



1.14 30k_SISO_50MHz_NTNV_EIRP

1.14.1 Test Result

5G NR n77a SCS=30kHz SISO 50MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3725.01	Edge_1RB_Left	20.94	/	/	18.14	/	/	<=30	Pass
		Edge_1RB_Right	21.60	/	/	18.80	/	/	<=30	Pass
		Outer_Full	23.70	/	/	20.90	/	/	<=30	Pass
		Inner_Full	24.81	/	/	22.01	/	/	<=30	Pass
		Inner_1RB_Left	24.41	/	/	21.61	/	/	<=30	Pass
		Inner_1RB_Right	24.99	/	/	22.19	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.08	/	/	18.28	/	/	<=30	Pass
		Edge_1RB_Right	21.51	/	/	18.71	/	/	<=30	Pass
		Outer_Full	24.58	/	/	21.78	/	/	<=30	Pass
		Inner_Full	25.11	/	/	22.31	/	/	<=30	Pass
		Inner_1RB_Left	24.80	/	/	22.00	/	/	<=30	Pass
		Inner_1RB_Right	24.76	/	/	21.96	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.34	/	/	18.54	/	/	<=30	Pass
		Edge_1RB_Right	21.40	/	/	18.60	/	/	<=30	Pass
		Outer_Full	24.27	/	/	21.47	/	/	<=30	Pass
		Inner_Full	24.69	/	/	21.89	/	/	<=30	Pass
		Inner_1RB_Left	24.54	/	/	21.74	/	/	<=30	Pass
		Inner_1RB_Right	24.53	/	/	21.73	/	/	<=30	Pass
DFT-s-OFDM QPSK	3725.01	Edge_1RB_Left	20.93	/	/	18.13	/	/	<=30	Pass
		Edge_1RB_Right	21.57	/	/	18.77	/	/	<=30	Pass
		Outer_Full	23.84	/	/	21.04	/	/	<=30	Pass
		Inner_Full	24.75	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Left	24.41	/	/	21.61	/	/	<=30	Pass
		Inner_1RB_Right	24.84	/	/	22.04	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.14	/	/	18.34	/	/	<=30	Pass
		Edge_1RB_Right	21.60	/	/	18.80	/	/	<=30	Pass
		Outer_Full	23.91	/	/	21.11	/	/	<=30	Pass
		Inner_Full	25.19	/	/	22.39	/	/	<=30	Pass
		Inner_1RB_Left	24.65	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Right	24.95	/	/	22.15	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.49	/	/	18.69	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	18.66	/	/	<=30	Pass
		Outer_Full	23.84	/	/	21.04	/	/	<=30	Pass
		Inner_Full	24.70	/	/	21.90	/	/	<=30	Pass
		Inner_1RB_Left	24.71	/	/	21.91	/	/	<=30	Pass
		Inner_1RB_Right	24.58	/	/	21.78	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3725.01	Edge_1RB_Left	20.83	/	/	18.03	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	18.95	/	/	<=30	Pass
		Outer_Full	22.78	/	/	19.98	/	/	<=30	Pass
		Inner_Full	23.73	/	/	20.93	/	/	<=30	Pass
		Inner_1RB_Left	23.22	/	/	20.42	/	/	<=30	Pass



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	3840	Inner_1RB_Right	24.00	/	/	21.20	/	/	<=30	Pass	
		Edge_1RB_Left	21.11	/	/	18.31	/	/	<=30	Pass	
		Edge_1RB_Right	21.52	/	/	18.72	/	/	<=30	Pass	
		Outer_Full	23.02	/	/	20.22	/	/	<=30	Pass	
		Inner_Full	23.98	/	/	21.18	/	/	<=30	Pass	
		Inner_1RB_Left	23.86	/	/	21.06	/	/	<=30	Pass	
	3954.99	Inner_1RB_Right	23.99	/	/	21.19	/	/	<=30	Pass	
		Edge_1RB_Left	21.45	/	/	18.65	/	/	<=30	Pass	
		Edge_1RB_Right	21.26	/	/	18.46	/	/	<=30	Pass	
		Outer_Full	22.91	/	/	20.11	/	/	<=30	Pass	
		Inner_Full	23.70	/	/	20.90	/	/	<=30	Pass	
		Inner_1RB_Left	23.73	/	/	20.93	/	/	<=30	Pass	
	DFT-s-OFDM 64 QAM	3725.01	Inner_1RB_Right	23.68	/	/	20.88	/	/	<=30	Pass
			Edge_1RB_Left	20.82	/	/	18.02	/	/	<=30	Pass
Edge_1RB_Right			21.40	/	/	18.60	/	/	<=30	Pass	
Outer_Full			22.33	/	/	19.53	/	/	<=30	Pass	
Inner_Full			22.32	/	/	19.52	/	/	<=30	Pass	
Inner_1RB_Left			22.00	/	/	19.20	/	/	<=30	Pass	
3840		Inner_1RB_Right	22.70	/	/	19.90	/	/	<=30	Pass	
		Edge_1RB_Left	21.47	/	/	18.67	/	/	<=30	Pass	
		Edge_1RB_Right	21.47	/	/	18.67	/	/	<=30	Pass	
		Outer_Full	22.38	/	/	19.58	/	/	<=30	Pass	
		Inner_Full	22.54	/	/	19.74	/	/	<=30	Pass	
		Inner_1RB_Left	22.25	/	/	19.45	/	/	<=30	Pass	
3954.99		Inner_1RB_Right	22.45	/	/	19.65	/	/	<=30	Pass	
		Edge_1RB_Left	21.29	/	/	18.49	/	/	<=30	Pass	
	Edge_1RB_Right	21.58	/	/	18.78	/	/	<=30	Pass		
	Outer_Full	22.39	/	/	19.59	/	/	<=30	Pass		
	Inner_Full	22.39	/	/	19.59	/	/	<=30	Pass		
	Inner_1RB_Left	22.64	/	/	19.84	/	/	<=30	Pass		
DFT-s-OFDM 256 QAM	3725.01	Inner_1RB_Right	22.53	/	/	19.73	/	/	<=30	Pass	
		Edge_1RB_Left	19.94	/	/	17.14	/	/	<=30	Pass	
		Edge_1RB_Right	20.38	/	/	17.58	/	/	<=30	Pass	
		Outer_Full	20.35	/	/	17.55	/	/	<=30	Pass	
		Inner_Full	20.34	/	/	17.54	/	/	<=30	Pass	
		Inner_1RB_Left	19.90	/	/	17.10	/	/	<=30	Pass	
	3840	Inner_1RB_Right	20.43	/	/	17.63	/	/	<=30	Pass	
		Edge_1RB_Left	20.11	/	/	17.31	/	/	<=30	Pass	
		Edge_1RB_Right	20.52	/	/	17.72	/	/	<=30	Pass	
		Outer_Full	20.53	/	/	17.73	/	/	<=30	Pass	
		Inner_Full	20.58	/	/	17.78	/	/	<=30	Pass	
		Inner_1RB_Left	20.26	/	/	17.46	/	/	<=30	Pass	
	3954.99	Inner_1RB_Right	20.59	/	/	17.79	/	/	<=30	Pass	
		Edge_1RB_Left	20.40	/	/	17.60	/	/	<=30	Pass	
Edge_1RB_Right		20.46	/	/	17.66	/	/	<=30	Pass		
Outer_Full		20.39	/	/	17.59	/	/	<=30	Pass		
Inner_Full		20.54	/	/	17.74	/	/	<=30	Pass		
Inner_1RB_Left		20.44	/	/	17.64	/	/	<=30	Pass		
		Inner_1RB_Right	20.45	/	/	17.65	/	/	<=30	Pass	



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Table with columns for Modulation Type, Bandwidth, and various signal parameters (Edge, Outer, Inner) with their respective values and pass/fail status.



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CP-OFDM 256 QAM		Edge_1RB_Right	21.45	/	/	18.65	/	/	<=30	Pass
		Outer_Full	21.53	/	/	18.73	/	/	<=30	Pass
		Inner_Full	21.56	/	/	18.76	/	/	<=30	Pass
		Inner_1RB_Left	21.42	/	/	18.62	/	/	<=30	Pass
		Inner_1RB_Right	21.38	/	/	18.58	/	/	<=30	Pass
	3725.01	Edge_1RB_Left	17.80	/	/	15.00	/	/	<=30	Pass
		Edge_1RB_Right	18.52	/	/	15.72	/	/	<=30	Pass
		Outer_Full	18.13	/	/	15.33	/	/	<=30	Pass
		Inner_Full	18.36	/	/	15.56	/	/	<=30	Pass
		Inner_1RB_Left	17.93	/	/	15.13	/	/	<=30	Pass
	3840	Inner_1RB_Right	18.57	/	/	15.77	/	/	<=30	Pass
		Edge_1RB_Left	18.29	/	/	15.49	/	/	<=30	Pass
		Edge_1RB_Right	18.55	/	/	15.75	/	/	<=30	Pass
		Outer_Full	18.40	/	/	15.60	/	/	<=30	Pass
		Inner_Full	18.56	/	/	15.76	/	/	<=30	Pass
	3954.99	Inner_1RB_Left	18.41	/	/	15.61	/	/	<=30	Pass
		Inner_1RB_Right	18.45	/	/	15.65	/	/	<=30	Pass
		Edge_1RB_Left	18.23	/	/	15.43	/	/	<=30	Pass
		Edge_1RB_Right	18.30	/	/	15.50	/	/	<=30	Pass
		Outer_Full	18.56	/	/	15.76	/	/	<=30	Pass
		Inner_Full	18.58	/	/	15.78	/	/	<=30	Pass
		Inner_1RB_Left	18.49	/	/	15.69	/	/	<=30	Pass
		Inner_1RB_Right	18.52	/	/	15.72	/	/	<=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 n77a SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge_1RB_Left	21.01	/	/	18.21	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	18.50	/	/	<=30	Pass
		Outer_Full	24.29	/	/	21.49	/	/	<=30	Pass
		Inner_Full	24.93	/	/	22.13	/	/	<=30	Pass
		Inner_1RB_Left	24.42	/	/	21.62	/	/	<=30	Pass
		Inner_1RB_Right	24.74	/	/	21.94	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.94	/	/	18.14	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	18.70	/	/	<=30	Pass
		Outer_Full	24.36	/	/	21.56	/	/	<=30	Pass
		Inner_Full	24.78	/	/	21.98	/	/	<=30	Pass
		Inner_1RB_Left	24.69	/	/	21.89	/	/	<=30	Pass
		Inner_1RB_Right	24.76	/	/	21.96	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	20.97	/	/	18.17	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	18.66	/	/	<=30	Pass
		Outer_Full	24.05	/	/	21.25	/	/	<=30	Pass
		Inner_Full	24.65	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Left	24.43	/	/	21.63	/	/	<=30	Pass
		Inner_1RB_Right	24.59	/	/	21.79	/	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	21.04	/	/	18.24	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	18.73	/	/	<=30	Pass
		Outer_Full	23.77	/	/	20.97	/	/	<=30	Pass
		Inner_Full	24.77	/	/	21.97	/	/	<=30	Pass
		Inner_1RB_Left	24.50	/	/	21.70	/	/	<=30	Pass
		Inner_1RB_Right	24.76	/	/	21.96	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.03	/	/	18.23	/	/	<=30	Pass
		Edge_1RB_Right	21.33	/	/	18.53	/	/	<=30	Pass
		Outer_Full	23.91	/	/	21.11	/	/	<=30	Pass
		Inner_Full	25.02	/	/	22.22	/	/	<=30	Pass
		Inner_1RB_Left	24.74	/	/	21.94	/	/	<=30	Pass
		Inner_1RB_Right	24.84	/	/	22.04	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.08	/	/	18.28	/	/	<=30	Pass
		Edge_1RB_Right	21.56	/	/	18.76	/	/	<=30	Pass
		Outer_Full	23.70	/	/	20.90	/	/	<=30	Pass
		Inner_Full	24.65	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Left	24.39	/	/	21.59	/	/	<=30	Pass
		Inner_1RB_Right	24.63	/	/	21.83	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.09	/	/	18.29	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	18.54	/	/	<=30	Pass
		Outer_Full	22.67	/	/	19.87	/	/	<=30	Pass
		Inner_Full	23.87	/	/	21.07	/	/	<=30	Pass
		Inner_1RB_Left	23.41	/	/	20.61	/	/	<=30	Pass



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Table with columns for test parameters (e.g., Inner_1RB_Right, Edge_1RB_Left), values, and pass/fail status. Rows are grouped by test type (DFT-s-OFDM 64 QAM, DFT-s-OFDM 256 QAM) and channel bandwidth (3840, 3949.98, 3730.02).



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CP-OFDM QPSK	3730.02	Edge_1RB_Left	20.64	/	/	17.84	/	/	<=30	Pass
		Edge_1RB_Right	21.23	/	/	18.43	/	/	<=30	Pass
		Outer_Full	21.80	/	/	19.00	/	/	<=30	Pass
		Inner_Full	23.38	/	/	20.58	/	/	<=30	Pass
		Inner_1RB_Left	22.80	/	/	20.00	/	/	<=30	Pass
	Inner_1RB_Right	23.29	/	/	20.49	/	/	<=30	Pass	
	3840	Edge_1RB_Left	20.99	/	/	18.19	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	18.47	/	/	<=30	Pass
		Outer_Full	21.74	/	/	18.94	/	/	<=30	Pass
		Inner_Full	23.41	/	/	20.61	/	/	<=30	Pass
		Inner_1RB_Left	22.81	/	/	20.01	/	/	<=30	Pass
	Inner_1RB_Right	23.12	/	/	20.32	/	/	<=30	Pass	
	3949.98	Edge_1RB_Left	20.80	/	/	18.00	/	/	<=30	Pass
		Edge_1RB_Right	21.21	/	/	18.41	/	/	<=30	Pass
		Outer_Full	21.69	/	/	18.89	/	/	<=30	Pass
Inner_Full		23.30	/	/	20.50	/	/	<=30	Pass	
Inner_1RB_Left		22.90	/	/	20.10	/	/	<=30	Pass	
Inner_1RB_Right	23.18	/	/	20.38	/	/	<=30	Pass		
CP-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.04	/	/	18.24	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	18.72	/	/	<=30	Pass
		Outer_Full	21.76	/	/	18.96	/	/	<=30	Pass
		Inner_Full	22.76	/	/	19.96	/	/	<=30	Pass
		Inner_1RB_Left	22.48	/	/	19.68	/	/	<=30	Pass
	Inner_1RB_Right	22.96	/	/	20.16	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.14	/	/	18.34	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	18.73	/	/	<=30	Pass
		Outer_Full	21.75	/	/	18.95	/	/	<=30	Pass
		Inner_Full	22.82	/	/	20.02	/	/	<=30	Pass
		Inner_1RB_Left	22.80	/	/	20.00	/	/	<=30	Pass
	Inner_1RB_Right	22.98	/	/	20.18	/	/	<=30	Pass	
	3949.98	Edge_1RB_Left	21.33	/	/	18.53	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	18.70	/	/	<=30	Pass
		Outer_Full	21.91	/	/	19.11	/	/	<=30	Pass
Inner_Full		22.80	/	/	20.00	/	/	<=30	Pass	
Inner_1RB_Left		22.72	/	/	19.92	/	/	<=30	Pass	
Inner_1RB_Right	22.83	/	/	20.03	/	/	<=30	Pass		
CP-OFDM 64 QAM	3730.02	Edge_1RB_Left	21.05	/	/	18.25	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	18.54	/	/	<=30	Pass
		Outer_Full	21.24	/	/	18.44	/	/	<=30	Pass
		Inner_Full	21.30	/	/	18.50	/	/	<=30	Pass
		Inner_1RB_Left	20.98	/	/	18.18	/	/	<=30	Pass
	Inner_1RB_Right	21.48	/	/	18.68	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.23	/	/	18.43	/	/	<=30	Pass
		Edge_1RB_Right	21.48	/	/	18.68	/	/	<=30	Pass
		Outer_Full	21.25	/	/	18.45	/	/	<=30	Pass
		Inner_Full	21.21	/	/	18.41	/	/	<=30	Pass
		Inner_1RB_Left	21.10	/	/	18.30	/	/	<=30	Pass
	Inner_1RB_Right	21.33	/	/	18.53	/	/	<=30	Pass	
	3949.98	Edge_1RB_Left	21.09	/	/	18.29	/	/	<=30	Pass



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CP-OFDM 256 QAM		Edge_1RB_Right	21.57	/	/	18.77	/	/	<=30	Pass
		Outer_Full	21.41	/	/	18.61	/	/	<=30	Pass
		Inner_Full	21.26	/	/	18.46	/	/	<=30	Pass
		Inner_1RB_Left	21.28	/	/	18.48	/	/	<=30	Pass
		Inner_1RB_Right	21.39	/	/	18.59	/	/	<=30	Pass
	3730.02	Edge_1RB_Left	17.98	/	/	15.18	/	/	<=30	Pass
		Edge_1RB_Right	18.42	/	/	15.62	/	/	<=30	Pass
		Outer_Full	18.29	/	/	15.49	/	/	<=30	Pass
		Inner_Full	18.31	/	/	15.51	/	/	<=30	Pass
		Inner_1RB_Left	17.94	/	/	15.14	/	/	<=30	Pass
	3840	Inner_1RB_Right	18.44	/	/	15.64	/	/	<=30	Pass
		Edge_1RB_Left	18.24	/	/	15.44	/	/	<=30	Pass
		Edge_1RB_Right	18.52	/	/	15.72	/	/	<=30	Pass
		Outer_Full	18.30	/	/	15.50	/	/	<=30	Pass
		Inner_Full	18.39	/	/	15.59	/	/	<=30	Pass
	3949.98	Inner_1RB_Left	18.24	/	/	15.44	/	/	<=30	Pass
		Inner_1RB_Right	18.54	/	/	15.74	/	/	<=30	Pass
		Edge_1RB_Left	18.11	/	/	15.31	/	/	<=30	Pass
		Edge_1RB_Right	18.54	/	/	15.74	/	/	<=30	Pass
		Outer_Full	18.47	/	/	15.67	/	/	<=30	Pass
	Inner_Full	18.38	/	/	15.58	/	/	<=30	Pass	
	Inner_1RB_Left	18.13	/	/	15.33	/	/	<=30	Pass	
	Inner_1RB_Right	18.46	/	/	15.66	/	/	<=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 n77a SCS=30kHz SISO 70MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3735	Edge_1RB_Left	20.82	/	/	18.02	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	18.57	/	/	<=30	Pass
		Outer_Full	23.63	/	/	20.83	/	/	<=30	Pass
		Inner_Full	24.81	/	/	22.01	/	/	<=30	Pass
		Inner_1RB_Left	24.18	/	/	21.38	/	/	<=30	Pass
		Inner_1RB_Right	24.96	/	/	22.16	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.22	/	/	18.42	/	/	<=30	Pass
		Edge_1RB_Right	21.44	/	/	18.64	/	/	<=30	Pass
		Outer_Full	24.60	/	/	21.80	/	/	<=30	Pass
		Inner_Full	24.99	/	/	22.19	/	/	<=30	Pass
		Inner_1RB_Left	24.73	/	/	21.93	/	/	<=30	Pass
		Inner_1RB_Right	24.63	/	/	21.83	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.14	/	/	18.34	/	/	<=30	Pass
		Edge_1RB_Right	21.59	/	/	18.79	/	/	<=30	Pass
		Outer_Full	24.31	/	/	21.51	/	/	<=30	Pass
		Inner_Full	24.54	/	/	21.74	/	/	<=30	Pass
		Inner_1RB_Left	24.42	/	/	21.62	/	/	<=30	Pass
		Inner_1RB_Right	24.65	/	/	21.85	/	/	<=30	Pass
DFT-s-OFDM QPSK	3735	Edge_1RB_Left	20.74	/	/	17.94	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	18.51	/	/	<=30	Pass
		Outer_Full	23.78	/	/	20.98	/	/	<=30	Pass
		Inner_Full	24.93	/	/	22.13	/	/	<=30	Pass
		Inner_1RB_Left	24.31	/	/	21.51	/	/	<=30	Pass
		Inner_1RB_Right	24.79	/	/	21.99	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.30	/	/	18.50	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	18.66	/	/	<=30	Pass
		Outer_Full	23.99	/	/	21.19	/	/	<=30	Pass
		Inner_Full	24.86	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Left	24.68	/	/	21.88	/	/	<=30	Pass
		Inner_1RB_Right	24.68	/	/	21.88	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.23	/	/	18.43	/	/	<=30	Pass
		Edge_1RB_Right	21.65	/	/	18.85	/	/	<=30	Pass
		Outer_Full	23.87	/	/	21.07	/	/	<=30	Pass
		Inner_Full	24.69	/	/	21.89	/	/	<=30	Pass
		Inner_1RB_Left	24.39	/	/	21.59	/	/	<=30	Pass
		Inner_1RB_Right	24.76	/	/	21.96	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3735	Edge_1RB_Left	21.01	/	/	18.21	/	/	<=30	Pass
		Edge_1RB_Right	21.48	/	/	18.68	/	/	<=30	Pass
		Outer_Full	22.77	/	/	19.97	/	/	<=30	Pass
		Inner_Full	23.69	/	/	20.89	/	/	<=30	Pass
		Inner_1RB_Left	23.31	/	/	20.51	/	/	<=30	Pass



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	3840	Inner_1RB_Right	23.98	/	/	21.18	/	/	<=30	Pass	
		Edge_1RB_Left	21.15	/	/	18.35	/	/	<=30	Pass	
		Edge_1RB_Right	21.51	/	/	18.71	/	/	<=30	Pass	
		Outer_Full	23.04	/	/	20.24	/	/	<=30	Pass	
		Inner_Full	23.85	/	/	21.05	/	/	<=30	Pass	
		Inner_1RB_Left	23.68	/	/	20.88	/	/	<=30	Pass	
	3945	Inner_1RB_Right	23.87	/	/	21.07	/	/	<=30	Pass	
		Edge_1RB_Left	21.28	/	/	18.48	/	/	<=30	Pass	
		Edge_1RB_Right	21.64	/	/	18.84	/	/	<=30	Pass	
		Outer_Full	22.90	/	/	20.10	/	/	<=30	Pass	
		Inner_Full	23.78	/	/	20.98	/	/	<=30	Pass	
		Inner_1RB_Left	23.74	/	/	20.94	/	/	<=30	Pass	
	DFT-s-OFDM 64 QAM	3735	Inner_1RB_Right	24.07	/	/	21.27	/	/	<=30	Pass
			Edge_1RB_Left	20.99	/	/	18.19	/	/	<=30	Pass
Edge_1RB_Right			21.39	/	/	18.59	/	/	<=30	Pass	
Outer_Full			22.12	/	/	19.32	/	/	<=30	Pass	
Inner_Full			22.25	/	/	19.45	/	/	<=30	Pass	
Inner_1RB_Left			21.96	/	/	19.16	/	/	<=30	Pass	
3840		Inner_1RB_Right	22.34	/	/	19.54	/	/	<=30	Pass	
		Edge_1RB_Left	21.38	/	/	18.58	/	/	<=30	Pass	
		Edge_1RB_Right	21.60	/	/	18.80	/	/	<=30	Pass	
		Outer_Full	22.48	/	/	19.68	/	/	<=30	Pass	
		Inner_Full	22.38	/	/	19.58	/	/	<=30	Pass	
		Inner_1RB_Left	22.34	/	/	19.54	/	/	<=30	Pass	
3945		Inner_1RB_Right	22.39	/	/	19.59	/	/	<=30	Pass	
		Edge_1RB_Left	21.16	/	/	18.36	/	/	<=30	Pass	
	Edge_1RB_Right	21.82	/	/	19.02	/	/	<=30	Pass		
	Outer_Full	22.20	/	/	19.40	/	/	<=30	Pass		
	Inner_Full	22.35	/	/	19.55	/	/	<=30	Pass		
	Inner_1RB_Left	22.34	/	/	19.54	/	/	<=30	Pass		
DFT-s-OFDM 256 QAM	3735	Inner_1RB_Right	22.69	/	/	19.89	/	/	<=30	Pass	
		Edge_1RB_Left	19.79	/	/	16.99	/	/	<=30	Pass	
		Edge_1RB_Right	20.31	/	/	17.51	/	/	<=30	Pass	
		Outer_Full	20.19	/	/	17.39	/	/	<=30	Pass	
		Inner_Full	20.19	/	/	17.39	/	/	<=30	Pass	
		Inner_1RB_Left	19.81	/	/	17.01	/	/	<=30	Pass	
	3840	Inner_1RB_Right	20.45	/	/	17.65	/	/	<=30	Pass	
		Edge_1RB_Left	20.27	/	/	17.47	/	/	<=30	Pass	
		Edge_1RB_Right	20.50	/	/	17.70	/	/	<=30	Pass	
		Outer_Full	20.35	/	/	17.55	/	/	<=30	Pass	
		Inner_Full	20.55	/	/	17.75	/	/	<=30	Pass	
		Inner_1RB_Left	20.30	/	/	17.50	/	/	<=30	Pass	
	3945	Inner_1RB_Right	20.49	/	/	17.69	/	/	<=30	Pass	
		Edge_1RB_Left	20.18	/	/	17.38	/	/	<=30	Pass	
Edge_1RB_Right		20.68	/	/	17.88	/	/	<=30	Pass		
Outer_Full		20.42	/	/	17.62	/	/	<=30	Pass		
Inner_Full		20.39	/	/	17.59	/	/	<=30	Pass		
Inner_1RB_Left		20.21	/	/	17.41	/	/	<=30	Pass		
		Inner_1RB_Right	20.63	/	/	17.83	/	/	<=30	Pass	



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CP-OFDM QPSK	3735	Edge_1RB_Left	20.72	/	/	17.92	/	/	<=30	Pass
		Edge_1RB_Right	21.28	/	/	18.48	/	/	<=30	Pass
		Outer_Full	21.89	/	/	19.09	/	/	<=30	Pass
		Inner_Full	23.21	/	/	20.41	/	/	<=30	Pass
		Inner_1RB_Left	22.58	/	/	19.78	/	/	<=30	Pass
	Inner_1RB_Right	23.18	/	/	20.38	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.07	/	/	18.27	/	/	<=30	Pass
		Edge_1RB_Right	21.10	/	/	18.30	/	/	<=30	Pass
		Outer_Full	22.02	/	/	19.22	/	/	<=30	Pass
		Inner_Full	23.45	/	/	20.65	/	/	<=30	Pass
		Inner_1RB_Left	22.96	/	/	20.16	/	/	<=30	Pass
	Inner_1RB_Right	23.15	/	/	20.35	/	/	<=30	Pass	
	3945	Edge_1RB_Left	20.88	/	/	18.08	/	/	<=30	Pass
		Edge_1RB_Right	21.33	/	/	18.53	/	/	<=30	Pass
		Outer_Full	21.94	/	/	19.14	/	/	<=30	Pass
Inner_Full		23.30	/	/	20.50	/	/	<=30	Pass	
Inner_1RB_Left		22.88	/	/	20.08	/	/	<=30	Pass	
Inner_1RB_Right	23.28	/	/	20.48	/	/	<=30	Pass		
CP-OFDM 16 QAM	3735	Edge_1RB_Left	21.06	/	/	18.26	/	/	<=30	Pass
		Edge_1RB_Right	21.59	/	/	18.79	/	/	<=30	Pass
		Outer_Full	21.66	/	/	18.86	/	/	<=30	Pass
		Inner_Full	22.82	/	/	20.02	/	/	<=30	Pass
		Inner_1RB_Left	22.52	/	/	19.72	/	/	<=30	Pass
	Inner_1RB_Right	22.98	/	/	20.18	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.38	/	/	18.58	/	/	<=30	Pass
		Edge_1RB_Right	21.55	/	/	18.75	/	/	<=30	Pass
		Outer_Full	22.09	/	/	19.29	/	/	<=30	Pass
		Inner_Full	22.94	/	/	20.14	/	/	<=30	Pass
		Inner_1RB_Left	22.93	/	/	20.13	/	/	<=30	Pass
	Inner_1RB_Right	22.88	/	/	20.08	/	/	<=30	Pass	
	3945	Edge_1RB_Left	21.06	/	/	18.26	/	/	<=30	Pass
		Edge_1RB_Right	21.51	/	/	18.71	/	/	<=30	Pass
		Outer_Full	21.76	/	/	18.96	/	/	<=30	Pass
Inner_Full		22.86	/	/	20.06	/	/	<=30	Pass	
Inner_1RB_Left		22.54	/	/	19.74	/	/	<=30	Pass	
Inner_1RB_Right	23.08	/	/	20.28	/	/	<=30	Pass		
CP-OFDM 64 QAM	3735	Edge_1RB_Left	20.95	/	/	18.15	/	/	<=30	Pass
		Edge_1RB_Right	21.38	/	/	18.58	/	/	<=30	Pass
		Outer_Full	21.34	/	/	18.54	/	/	<=30	Pass
		Inner_Full	21.24	/	/	18.44	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	18.06	/	/	<=30	Pass
	Inner_1RB_Right	21.55	/	/	18.75	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.18	/	/	18.38	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	18.57	/	/	<=30	Pass
		Outer_Full	21.51	/	/	18.71	/	/	<=30	Pass
		Inner_Full	21.48	/	/	18.68	/	/	<=30	Pass
		Inner_1RB_Left	21.35	/	/	18.55	/	/	<=30	Pass
	Inner_1RB_Right	21.53	/	/	18.73	/	/	<=30	Pass	
	3945	Edge_1RB_Left	21.20	/	/	18.40	/	/	<=30	Pass



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CP-OFDM 256 QAM		Edge_1RB_Right	21.47	/	/	18.67	/	/	<=30	Pass
		Outer_Full	21.42	/	/	18.62	/	/	<=30	Pass
		Inner_Full	21.33	/	/	18.53	/	/	<=30	Pass
		Inner_1RB_Left	21.22	/	/	18.42	/	/	<=30	Pass
		Inner_1RB_Right	21.48	/	/	18.68	/	/	<=30	Pass
	3735	Edge_1RB_Left	17.71	/	/	14.91	/	/	<=30	Pass
		Edge_1RB_Right	18.50	/	/	15.70	/	/	<=30	Pass
		Outer_Full	18.37	/	/	15.57	/	/	<=30	Pass
		Inner_Full	18.38	/	/	15.58	/	/	<=30	Pass
		Inner_1RB_Left	17.88	/	/	15.08	/	/	<=30	Pass
	3840	Inner_1RB_Right	18.50	/	/	15.70	/	/	<=30	Pass
		Edge_1RB_Left	18.38	/	/	15.58	/	/	<=30	Pass
		Edge_1RB_Right	18.53	/	/	15.73	/	/	<=30	Pass
		Outer_Full	18.41	/	/	15.61	/	/	<=30	Pass
		Inner_Full	18.52	/	/	15.72	/	/	<=30	Pass
	3945	Inner_1RB_Left	18.32	/	/	15.52	/	/	<=30	Pass
		Inner_1RB_Right	18.53	/	/	15.73	/	/	<=30	Pass
		Edge_1RB_Left	18.31	/	/	15.51	/	/	<=30	Pass
		Edge_1RB_Right	18.67	/	/	15.87	/	/	<=30	Pass
		Outer_Full	18.30	/	/	15.50	/	/	<=30	Pass
			Inner_Full	18.21	/	/	15.41	/	/	<=30
		Inner_1RB_Left	18.33	/	/	15.53	/	/	<=30	Pass
		Inner_1RB_Right	18.72	/	/	15.92	/	/	<=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 n77a SCS=30kHz SISO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Edge_1RB_Left	20.87	/	/	18.07	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	18.62	/	/	<=30	Pass
		Outer_Full	23.86	/	/	21.06	/	/	<=30	Pass
		Inner_Full	24.98	/	/	22.18	/	/	<=30	Pass
		Inner_1RB_Left	24.50	/	/	21.70	/	/	<=30	Pass
		Inner_1RB_Right	24.90	/	/	22.10	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.22	/	/	18.42	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	18.66	/	/	<=30	Pass
		Outer_Full	24.59	/	/	21.79	/	/	<=30	Pass
		Inner_Full	25.00	/	/	22.20	/	/	<=30	Pass
		Inner_1RB_Left	24.74	/	/	21.94	/	/	<=30	Pass
		Inner_1RB_Right	24.73	/	/	21.93	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.33	/	/	18.53	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	18.73	/	/	<=30	Pass
		Outer_Full	24.16	/	/	21.36	/	/	<=30	Pass
		Inner_Full	24.82	/	/	22.02	/	/	<=30	Pass
		Inner_1RB_Left	24.46	/	/	21.66	/	/	<=30	Pass
		Inner_1RB_Right	24.65	/	/	21.85	/	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge_1RB_Left	21.03	/	/	18.23	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	18.57	/	/	<=30	Pass
		Outer_Full	23.87	/	/	21.07	/	/	<=30	Pass
		Inner_Full	25.01	/	/	22.21	/	/	<=30	Pass
		Inner_1RB_Left	24.45	/	/	21.65	/	/	<=30	Pass
		Inner_1RB_Right	24.66	/	/	21.86	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.10	/	/	18.30	/	/	<=30	Pass
		Edge_1RB_Right	21.51	/	/	18.71	/	/	<=30	Pass
		Outer_Full	23.85	/	/	21.05	/	/	<=30	Pass
		Inner_Full	24.90	/	/	22.10	/	/	<=30	Pass
		Inner_1RB_Left	24.77	/	/	21.97	/	/	<=30	Pass
		Inner_1RB_Right	24.77	/	/	21.97	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.35	/	/	18.55	/	/	<=30	Pass
		Edge_1RB_Right	21.36	/	/	18.56	/	/	<=30	Pass
		Outer_Full	23.77	/	/	20.97	/	/	<=30	Pass
		Inner_Full	24.71	/	/	21.91	/	/	<=30	Pass
		Inner_1RB_Left	24.65	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Right	24.67	/	/	21.87	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Left	21.10	/	/	18.30	/	/	<=30	Pass
		Edge_1RB_Right	21.26	/	/	18.46	/	/	<=30	Pass
		Outer_Full	22.72	/	/	19.92	/	/	<=30	Pass
		Inner_Full	23.80	/	/	21.00	/	/	<=30	Pass
		Inner_1RB_Left	23.54	/	/	20.74	/	/	<=30	Pass



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DFT-s-OFDM 64 QAM	3840	Inner_1RB_Right	23.88	/	/	21.08	/	/	<=30	Pass	
		Edge_1RB_Left	21.15	/	/	18.35	/	/	<=30	Pass	
		Edge_1RB_Right	21.52	/	/	18.72	/	/	<=30	Pass	
		Outer_Full	22.98	/	/	20.18	/	/	<=30	Pass	
		Inner_Full	24.06	/	/	21.26	/	/	<=30	Pass	
		Inner_1RB_Left	23.67	/	/	20.87	/	/	<=30	Pass	
	3939.99	Inner_1RB_Right	24.05	/	/	21.25	/	/	<=30	Pass	
		Edge_1RB_Left	21.40	/	/	18.60	/	/	<=30	Pass	
		Edge_1RB_Right	21.57	/	/	18.77	/	/	<=30	Pass	
		Outer_Full	22.72	/	/	19.92	/	/	<=30	Pass	
		Inner_Full	23.84	/	/	21.04	/	/	<=30	Pass	
		Inner_1RB_Left	23.79	/	/	20.99	/	/	<=30	Pass	
	DFT-s-OFDM 256 QAM	3740.01	Inner_1RB_Right	23.99	/	/	21.19	/	/	<=30	Pass
			Edge_1RB_Left	21.11	/	/	18.31	/	/	<=30	Pass
Edge_1RB_Right			21.49	/	/	18.69	/	/	<=30	Pass	
Outer_Full			22.24	/	/	19.44	/	/	<=30	Pass	
Inner_Full			22.33	/	/	19.53	/	/	<=30	Pass	
Inner_1RB_Left			22.12	/	/	19.32	/	/	<=30	Pass	
3840		Inner_1RB_Right	22.44	/	/	19.64	/	/	<=30	Pass	
		Edge_1RB_Left	21.43	/	/	18.63	/	/	<=30	Pass	
		Edge_1RB_Right	21.68	/	/	18.88	/	/	<=30	Pass	
		Outer_Full	22.45	/	/	19.65	/	/	<=30	Pass	
		Inner_Full	22.49	/	/	19.69	/	/	<=30	Pass	
		Inner_1RB_Left	22.33	/	/	19.53	/	/	<=30	Pass	
3939.99		Inner_1RB_Right	22.68	/	/	19.88	/	/	<=30	Pass	
		Edge_1RB_Left	21.55	/	/	18.75	/	/	<=30	Pass	
	Edge_1RB_Right	21.74	/	/	18.94	/	/	<=30	Pass		
	Outer_Full	22.32	/	/	19.52	/	/	<=30	Pass		
	Inner_Full	22.33	/	/	19.53	/	/	<=30	Pass		
	Inner_1RB_Left	22.52	/	/	19.72	/	/	<=30	Pass		
DFT-s-OFDM 256 QAM	3740.01	Inner_1RB_Right	22.72	/	/	19.92	/	/	<=30	Pass	
		Edge_1RB_Left	20.01	/	/	17.21	/	/	<=30	Pass	
		Edge_1RB_Right	20.35	/	/	17.55	/	/	<=30	Pass	
		Outer_Full	20.40	/	/	17.60	/	/	<=30	Pass	
		Inner_Full	20.44	/	/	17.64	/	/	<=30	Pass	
		Inner_1RB_Left	20.01	/	/	17.21	/	/	<=30	Pass	
	3840	Inner_1RB_Right	20.32	/	/	17.52	/	/	<=30	Pass	
		Edge_1RB_Left	20.25	/	/	17.45	/	/	<=30	Pass	
		Edge_1RB_Right	20.48	/	/	17.68	/	/	<=30	Pass	
		Outer_Full	20.50	/	/	17.70	/	/	<=30	Pass	
		Inner_Full	20.37	/	/	17.57	/	/	<=30	Pass	
		Inner_1RB_Left	20.15	/	/	17.35	/	/	<=30	Pass	
	3939.99	Inner_1RB_Right	20.29	/	/	17.49	/	/	<=30	Pass	
		Edge_1RB_Left	20.20	/	/	17.40	/	/	<=30	Pass	
Edge_1RB_Right		20.59	/	/	17.79	/	/	<=30	Pass		
Outer_Full		20.26	/	/	17.46	/	/	<=30	Pass		
Inner_Full		20.47	/	/	17.67	/	/	<=30	Pass		
Inner_1RB_Left		20.31	/	/	17.51	/	/	<=30	Pass		
		Inner_1RB_Right	20.58	/	/	17.78	/	/	<=30	Pass	



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Table with columns for test parameters (e.g., Edge_1RB_Left, Edge_1RB_Right, Outer_Full, Inner_Full, Inner_1RB_Left, Inner_1RB_Right), values, and pass/fail status. Rows are grouped by modulation type (CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM) and bandwidth (3740.01, 3840, 3939.99).



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CP-OFDM 256 QAM		Edge_1RB_Right	21.58	/	/	18.78	/	/	<=30	Pass
		Outer_Full	21.33	/	/	18.53	/	/	<=30	Pass
		Inner_Full	21.49	/	/	18.69	/	/	<=30	Pass
		Inner_1RB_Left	21.28	/	/	18.48	/	/	<=30	Pass
		Inner_1RB_Right	21.55	/	/	18.75	/	/	<=30	Pass
	3740.01	Edge_1RB_Left	17.87	/	/	15.07	/	/	<=30	Pass
		Edge_1RB_Right	18.23	/	/	15.43	/	/	<=30	Pass
		Outer_Full	18.38	/	/	15.58	/	/	<=30	Pass
		Inner_Full	18.47	/	/	15.67	/	/	<=30	Pass
		Inner_1RB_Left	17.86	/	/	15.06	/	/	<=30	Pass
	3840	Inner_1RB_Right	18.37	/	/	15.57	/	/	<=30	Pass
		Edge_1RB_Left	18.28	/	/	15.48	/	/	<=30	Pass
		Edge_1RB_Right	18.59	/	/	15.79	/	/	<=30	Pass
		Outer_Full	18.52	/	/	15.72	/	/	<=30	Pass
		Inner_Full	18.63	/	/	15.83	/	/	<=30	Pass
	3939.99	Inner_1RB_Left	18.31	/	/	15.51	/	/	<=30	Pass
		Inner_1RB_Right	18.52	/	/	15.72	/	/	<=30	Pass
		Edge_1RB_Left	18.21	/	/	15.41	/	/	<=30	Pass
		Edge_1RB_Right	18.48	/	/	15.68	/	/	<=30	Pass
		Outer_Full	18.28	/	/	15.48	/	/	<=30	Pass
	Inner_Full	18.30	/	/	15.50	/	/	<=30	Pass	
	Inner_1RB_Left	18.39	/	/	15.59	/	/	<=30	Pass	
	Inner_1RB_Right	18.45	/	/	15.65	/	/	<=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 n77a SCS=30kHz SISO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3745.02	Edge_1RB_Left	20.98	/	/	18.18	/	/	<=30	Pass
		Edge_1RB_Right	21.54	/	/	18.74	/	/	<=30	Pass
		Outer_Full	23.71	/	/	20.91	/	/	<=30	Pass
		Inner_Full	24.86	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Left	24.20	/	/	21.40	/	/	<=30	Pass
		Inner_1RB_Right	24.92	/	/	22.12	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.98	/	/	18.18	/	/	<=30	Pass
		Edge_1RB_Right	21.38	/	/	18.58	/	/	<=30	Pass
		Outer_Full	24.57	/	/	21.77	/	/	<=30	Pass
		Inner_Full	25.05	/	/	22.25	/	/	<=30	Pass
		Inner_1RB_Left	24.70	/	/	21.90	/	/	<=30	Pass
		Inner_1RB_Right	24.74	/	/	21.94	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.21	/	/	18.41	/	/	<=30	Pass
		Edge_1RB_Right	21.14	/	/	18.34	/	/	<=30	Pass
		Outer_Full	24.22	/	/	21.42	/	/	<=30	Pass
		Inner_Full	24.79	/	/	21.99	/	/	<=30	Pass
		Inner_1RB_Left	24.70	/	/	21.90	/	/	<=30	Pass
		Inner_1RB_Right	24.37	/	/	21.57	/	/	<=30	Pass
DFT-s-OFDM QPSK	3745.02	Edge_1RB_Left	20.90	/	/	18.10	/	/	<=30	Pass
		Edge_1RB_Right	21.43	/	/	18.63	/	/	<=30	Pass
		Outer_Full	23.82	/	/	21.02	/	/	<=30	Pass
		Inner_Full	24.99	/	/	22.19	/	/	<=30	Pass
		Inner_1RB_Left	24.29	/	/	21.49	/	/	<=30	Pass
		Inner_1RB_Right	24.91	/	/	22.11	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.23	/	/	18.43	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	18.47	/	/	<=30	Pass
		Outer_Full	23.84	/	/	21.04	/	/	<=30	Pass
		Inner_Full	24.82	/	/	22.02	/	/	<=30	Pass
		Inner_1RB_Left	24.63	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Right	24.76	/	/	21.96	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.50	/	/	18.70	/	/	<=30	Pass
		Edge_1RB_Right	21.14	/	/	18.34	/	/	<=30	Pass
		Outer_Full	23.96	/	/	21.16	/	/	<=30	Pass
		Inner_Full	24.69	/	/	21.89	/	/	<=30	Pass
		Inner_1RB_Left	24.55	/	/	21.75	/	/	<=30	Pass
		Inner_1RB_Right	24.38	/	/	21.58	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3745.02	Edge_1RB_Left	20.80	/	/	18.00	/	/	<=30	Pass
		Edge_1RB_Right	21.44	/	/	18.64	/	/	<=30	Pass
		Outer_Full	22.89	/	/	20.09	/	/	<=30	Pass
		Inner_Full	23.86	/	/	21.06	/	/	<=30	Pass
		Inner_1RB_Left	23.42	/	/	20.62	/	/	<=30	Pass



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	3840	Inner_1RB_Right	23.95	/	/	21.15	/	/	<=30	Pass	
		Edge_1RB_Left	21.08	/	/	18.28	/	/	<=30	Pass	
		Edge_1RB_Right	21.51	/	/	18.71	/	/	<=30	Pass	
		Outer_Full	22.83	/	/	20.03	/	/	<=30	Pass	
		Inner_Full	24.03	/	/	21.23	/	/	<=30	Pass	
		Inner_1RB_Left	23.82	/	/	21.02	/	/	<=30	Pass	
	3934.98	Inner_1RB_Right	24.08	/	/	21.28	/	/	<=30	Pass	
		Edge_1RB_Left	21.45	/	/	18.65	/	/	<=30	Pass	
		Edge_1RB_Right	21.42	/	/	18.62	/	/	<=30	Pass	
		Outer_Full	22.98	/	/	20.18	/	/	<=30	Pass	
		Inner_Full	23.98	/	/	21.18	/	/	<=30	Pass	
		Inner_1RB_Left	23.81	/	/	21.01	/	/	<=30	Pass	
	DFT-s-OFDM 64 QAM	3745.02	Inner_1RB_Right	23.90	/	/	21.10	/	/	<=30	Pass
			Edge_1RB_Left	20.77	/	/	17.97	/	/	<=30	Pass
Edge_1RB_Right			21.30	/	/	18.50	/	/	<=30	Pass	
Outer_Full			22.36	/	/	19.56	/	/	<=30	Pass	
Inner_Full			22.37	/	/	19.57	/	/	<=30	Pass	
Inner_1RB_Left			22.00	/	/	19.20	/	/	<=30	Pass	
3840		Inner_1RB_Right	22.34	/	/	19.54	/	/	<=30	Pass	
		Edge_1RB_Left	21.06	/	/	18.26	/	/	<=30	Pass	
		Edge_1RB_Right	21.38	/	/	18.58	/	/	<=30	Pass	
		Outer_Full	22.54	/	/	19.74	/	/	<=30	Pass	
		Inner_Full	22.42	/	/	19.62	/	/	<=30	Pass	
		Inner_1RB_Left	22.35	/	/	19.55	/	/	<=30	Pass	
3934.98		Inner_1RB_Right	22.63	/	/	19.83	/	/	<=30	Pass	
		Edge_1RB_Left	21.61	/	/	18.81	/	/	<=30	Pass	
	Edge_1RB_Right	21.50	/	/	18.70	/	/	<=30	Pass		
	Outer_Full	22.32	/	/	19.52	/	/	<=30	Pass		
	Inner_Full	22.29	/	/	19.49	/	/	<=30	Pass		
	Inner_1RB_Left	22.57	/	/	19.77	/	/	<=30	Pass		
DFT-s-OFDM 256 QAM	3745.02	Inner_1RB_Right	22.45	/	/	19.65	/	/	<=30	Pass	
		Edge_1RB_Left	19.96	/	/	17.16	/	/	<=30	Pass	
		Edge_1RB_Right	20.36	/	/	17.56	/	/	<=30	Pass	
		Outer_Full	20.35	/	/	17.55	/	/	<=30	Pass	
		Inner_Full	20.43	/	/	17.63	/	/	<=30	Pass	
		Inner_1RB_Left	19.74	/	/	16.94	/	/	<=30	Pass	
	3840	Inner_1RB_Right	20.54	/	/	17.74	/	/	<=30	Pass	
		Edge_1RB_Left	20.19	/	/	17.39	/	/	<=30	Pass	
		Edge_1RB_Right	20.30	/	/	17.50	/	/	<=30	Pass	
		Outer_Full	20.33	/	/	17.53	/	/	<=30	Pass	
		Inner_Full	20.56	/	/	17.76	/	/	<=30	Pass	
		Inner_1RB_Left	20.23	/	/	17.43	/	/	<=30	Pass	
	3934.98	Inner_1RB_Right	20.32	/	/	17.52	/	/	<=30	Pass	
		Edge_1RB_Left	20.29	/	/	17.49	/	/	<=30	Pass	
Edge_1RB_Right		20.19	/	/	17.39	/	/	<=30	Pass		
Outer_Full		20.26	/	/	17.46	/	/	<=30	Pass		
Inner_Full		20.30	/	/	17.50	/	/	<=30	Pass		
Inner_1RB_Left		20.43	/	/	17.63	/	/	<=30	Pass		
		Inner_1RB_Right	20.39	/	/	17.59	/	/	<=30	Pass	



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CP-OFDM QPSK	3745.02	Edge_1RB_Left	20.64	/	/	17.84	/	/	<=30	Pass
		Edge_1RB_Right	21.23	/	/	18.43	/	/	<=30	Pass
		Outer_Full	21.79	/	/	18.99	/	/	<=30	Pass
		Inner_Full	23.37	/	/	20.57	/	/	<=30	Pass
		Inner_1RB_Left	22.65	/	/	19.85	/	/	<=30	Pass
	Inner_1RB_Right	23.15	/	/	20.35	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.01	/	/	18.21	/	/	<=30	Pass
		Edge_1RB_Right	21.06	/	/	18.26	/	/	<=30	Pass
		Outer_Full	21.98	/	/	19.18	/	/	<=30	Pass
		Inner_Full	23.49	/	/	20.69	/	/	<=30	Pass
		Inner_1RB_Left	22.96	/	/	20.16	/	/	<=30	Pass
	Inner_1RB_Right	23.08	/	/	20.28	/	/	<=30	Pass	
	3934.98	Edge_1RB_Left	21.03	/	/	18.23	/	/	<=30	Pass
		Edge_1RB_Right	21.17	/	/	18.37	/	/	<=30	Pass
		Outer_Full	21.78	/	/	18.98	/	/	<=30	Pass
Inner_Full		23.43	/	/	20.63	/	/	<=30	Pass	
Inner_1RB_Left		23.05	/	/	20.25	/	/	<=30	Pass	
Inner_1RB_Right	23.12	/	/	20.32	/	/	<=30	Pass		
CP-OFDM 16 QAM	3745.02	Edge_1RB_Left	21.01	/	/	18.21	/	/	<=30	Pass
		Edge_1RB_Right	21.35	/	/	18.55	/	/	<=30	Pass
		Outer_Full	21.79	/	/	18.99	/	/	<=30	Pass
		Inner_Full	22.77	/	/	19.97	/	/	<=30	Pass
		Inner_1RB_Left	22.35	/	/	19.55	/	/	<=30	Pass
	Inner_1RB_Right	22.84	/	/	20.04	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.26	/	/	18.46	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	18.73	/	/	<=30	Pass
		Outer_Full	21.82	/	/	19.02	/	/	<=30	Pass
		Inner_Full	22.99	/	/	20.19	/	/	<=30	Pass
		Inner_1RB_Left	22.81	/	/	20.01	/	/	<=30	Pass
	Inner_1RB_Right	22.95	/	/	20.15	/	/	<=30	Pass	
	3934.98	Edge_1RB_Left	21.29	/	/	18.49	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	18.65	/	/	<=30	Pass
		Outer_Full	21.99	/	/	19.19	/	/	<=30	Pass
Inner_Full		22.94	/	/	20.14	/	/	<=30	Pass	
Inner_1RB_Left		22.79	/	/	19.99	/	/	<=30	Pass	
Inner_1RB_Right	22.78	/	/	19.98	/	/	<=30	Pass		
CP-OFDM 64 QAM	3745.02	Edge_1RB_Left	20.79	/	/	17.99	/	/	<=30	Pass
		Edge_1RB_Right	21.49	/	/	18.69	/	/	<=30	Pass
		Outer_Full	21.30	/	/	18.50	/	/	<=30	Pass
		Inner_Full	21.40	/	/	18.60	/	/	<=30	Pass
		Inner_1RB_Left	20.99	/	/	18.19	/	/	<=30	Pass
	Inner_1RB_Right	21.38	/	/	18.58	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.30	/	/	18.50	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	18.65	/	/	<=30	Pass
		Outer_Full	21.58	/	/	18.78	/	/	<=30	Pass
		Inner_Full	21.35	/	/	18.55	/	/	<=30	Pass
		Inner_1RB_Left	21.23	/	/	18.43	/	/	<=30	Pass
	Inner_1RB_Right	21.37	/	/	18.57	/	/	<=30	Pass	
	3934.98	Edge_1RB_Left	21.49	/	/	18.69	/	/	<=30	Pass



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CP-OFDM 256 QAM		Edge_1RB_Right	21.34	/	/	18.54	/	/	<=30	Pass
		Outer_Full	21.26	/	/	18.46	/	/	<=30	Pass
		Inner_Full	21.49	/	/	18.69	/	/	<=30	Pass
		Inner_1RB_Left	21.44	/	/	18.64	/	/	<=30	Pass
		Inner_1RB_Right	21.43	/	/	18.63	/	/	<=30	Pass
	3745.02	Edge_1RB_Left	17.93	/	/	15.13	/	/	<=30	Pass
		Edge_1RB_Right	18.24	/	/	15.44	/	/	<=30	Pass
		Outer_Full	18.34	/	/	15.54	/	/	<=30	Pass
		Inner_Full	18.45	/	/	15.65	/	/	<=30	Pass
		Inner_1RB_Left	17.90	/	/	15.10	/	/	<=30	Pass
	3840	Inner_1RB_Right	18.21	/	/	15.41	/	/	<=30	Pass
		Edge_1RB_Left	18.10	/	/	15.30	/	/	<=30	Pass
		Edge_1RB_Right	18.32	/	/	15.52	/	/	<=30	Pass
		Outer_Full	18.50	/	/	15.70	/	/	<=30	Pass
		Inner_Full	18.55	/	/	15.75	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	18.25	/	/	15.45	/	/	<=30	Pass
		Inner_1RB_Right	18.54	/	/	15.74	/	/	<=30	Pass
		Edge_1RB_Left	18.46	/	/	15.66	/	/	<=30	Pass
		Edge_1RB_Right	18.36	/	/	15.56	/	/	<=30	Pass
		Outer_Full	18.47	/	/	15.67	/	/	<=30	Pass
		Inner_Full	18.49	/	/	15.69	/	/	<=30	Pass
		Inner_1RB_Left	18.47	/	/	15.67	/	/	<=30	Pass
		Inner_1RB_Right	18.49	/	/	15.69	/	/	<=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 n77a SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant5	Ant2	Sum	Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge_1RB_Left	20.89	/	/	18.09	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	18.57	/	/	<=30	Pass
		Outer_Full	23.70	/	/	20.90	/	/	<=30	Pass
		Inner_Full	24.94	/	/	22.14	/	/	<=30	Pass
		Inner_1RB_Left	24.40	/	/	21.60	/	/	<=30	Pass
		Inner_1RB_Right	24.81	/	/	22.01	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.94	/	/	18.14	/	/	<=30	Pass
		Edge_1RB_Right	21.14	/	/	18.34	/	/	<=30	Pass
		Outer_Full	24.42	/	/	21.62	/	/	<=30	Pass
		Inner_Full	25.00	/	/	22.20	/	/	<=30	Pass
		Inner_1RB_Left	24.67	/	/	21.87	/	/	<=30	Pass
		Inner_1RB_Right	24.53	/	/	21.73	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.30	/	/	18.50	/	/	<=30	Pass
		Edge_1RB_Right	21.38	/	/	18.58	/	/	<=30	Pass
		Outer_Full	24.26	/	/	21.46	/	/	<=30	Pass
		Inner_Full	24.75	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Left	24.47	/	/	21.67	/	/	<=30	Pass
		Inner_1RB_Right	24.60	/	/	21.80	/	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	20.81	/	/	18.01	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	18.54	/	/	<=30	Pass
		Outer_Full	23.75	/	/	20.95	/	/	<=30	Pass
		Inner_Full	24.81	/	/	22.01	/	/	<=30	Pass
		Inner_1RB_Left	24.33	/	/	21.53	/	/	<=30	Pass
		Inner_1RB_Right	24.79	/	/	21.99	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.20	/	/	18.40	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	18.57	/	/	<=30	Pass
		Outer_Full	23.81	/	/	21.01	/	/	<=30	Pass
		Inner_Full	25.08	/	/	22.28	/	/	<=30	Pass
		Inner_1RB_Left	24.69	/	/	21.89	/	/	<=30	Pass
		Inner_1RB_Right	24.66	/	/	21.86	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.34	/	/	18.54	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	18.72	/	/	<=30	Pass
		Outer_Full	23.90	/	/	21.10	/	/	<=30	Pass
		Inner_Full	24.59	/	/	21.79	/	/	<=30	Pass
		Inner_1RB_Left	24.45	/	/	21.65	/	/	<=30	Pass
		Inner_1RB_Right	24.49	/	/	21.69	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	21.04	/	/	18.24	/	/	<=30	Pass
		Edge_1RB_Right	21.36	/	/	18.56	/	/	<=30	Pass
		Outer_Full	22.87	/	/	20.07	/	/	<=30	Pass
		Inner_Full	23.96	/	/	21.16	/	/	<=30	Pass
		Inner_1RB_Left	23.56	/	/	20.76	/	/	<=30	Pass



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Table with columns for test parameters (e.g., Inner_1RB_Right, Edge_1RB_Left), values, and pass/fail status. Rows are grouped by test type (DFT-s-OFDM 64 QAM, DFT-s-OFDM 256 QAM) and channel bandwidth (3750, 3840, 3930).



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CP-OFDM QPSK	3750	Edge_1RB_Left	20.78	/	/	17.98	/	/	<=30	Pass
		Edge_1RB_Right	21.08	/	/	18.28	/	/	<=30	Pass
		Outer_Full	21.73	/	/	18.93	/	/	<=30	Pass
		Inner_Full	23.35	/	/	20.55	/	/	<=30	Pass
		Inner_1RB_Left	22.70	/	/	19.90	/	/	<=30	Pass
	Inner_1RB_Right	23.02	/	/	20.22	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.01	/	/	18.21	/	/	<=30	Pass
		Edge_1RB_Right	20.94	/	/	18.14	/	/	<=30	Pass
		Outer_Full	22.01	/	/	19.21	/	/	<=30	Pass
		Inner_Full	23.34	/	/	20.54	/	/	<=30	Pass
		Inner_1RB_Left	22.88	/	/	20.08	/	/	<=30	Pass
	Inner_1RB_Right	23.23	/	/	20.43	/	/	<=30	Pass	
	3930	Edge_1RB_Left	21.11	/	/	18.31	/	/	<=30	Pass
		Edge_1RB_Right	21.28	/	/	18.48	/	/	<=30	Pass
		Outer_Full	21.70	/	/	18.90	/	/	<=30	Pass
Inner_Full		23.24	/	/	20.44	/	/	<=30	Pass	
Inner_1RB_Left		23.04	/	/	20.24	/	/	<=30	Pass	
Inner_1RB_Right	23.28	/	/	20.48	/	/	<=30	Pass		
CP-OFDM 16 QAM	3750	Edge_1RB_Left	21.10	/	/	18.30	/	/	<=30	Pass
		Edge_1RB_Right	21.43	/	/	18.63	/	/	<=30	Pass
		Outer_Full	21.83	/	/	19.03	/	/	<=30	Pass
		Inner_Full	22.79	/	/	19.99	/	/	<=30	Pass
		Inner_1RB_Left	22.41	/	/	19.61	/	/	<=30	Pass
	Inner_1RB_Right	22.66	/	/	19.86	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.29	/	/	18.49	/	/	<=30	Pass
		Edge_1RB_Right	21.48	/	/	18.68	/	/	<=30	Pass
		Outer_Full	22.00	/	/	19.20	/	/	<=30	Pass
		Inner_Full	22.87	/	/	20.07	/	/	<=30	Pass
		Inner_1RB_Left	22.53	/	/	19.73	/	/	<=30	Pass
	Inner_1RB_Right	22.89	/	/	20.09	/	/	<=30	Pass	
	3930	Edge_1RB_Left	21.45	/	/	18.65	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	18.52	/	/	<=30	Pass
		Outer_Full	21.75	/	/	18.95	/	/	<=30	Pass
Inner_Full		22.93	/	/	20.13	/	/	<=30	Pass	
Inner_1RB_Left		22.64	/	/	19.84	/	/	<=30	Pass	
Inner_1RB_Right	22.96	/	/	20.16	/	/	<=30	Pass		
CP-OFDM 64 QAM	3750	Edge_1RB_Left	20.89	/	/	18.09	/	/	<=30	Pass
		Edge_1RB_Right	21.38	/	/	18.58	/	/	<=30	Pass
		Outer_Full	21.39	/	/	18.59	/	/	<=30	Pass
		Inner_Full	21.33	/	/	18.53	/	/	<=30	Pass
		Inner_1RB_Left	20.93	/	/	18.13	/	/	<=30	Pass
	Inner_1RB_Right	21.37	/	/	18.57	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.28	/	/	18.48	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	18.67	/	/	<=30	Pass
		Outer_Full	21.51	/	/	18.71	/	/	<=30	Pass
		Inner_Full	21.49	/	/	18.69	/	/	<=30	Pass
		Inner_1RB_Left	21.36	/	/	18.56	/	/	<=30	Pass
	Inner_1RB_Right	21.49	/	/	18.69	/	/	<=30	Pass	
	3930	Edge_1RB_Left	21.24	/	/	18.44	/	/	<=30	Pass



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CP-OFDM 256 QAM		Edge_1RB_Right	21.57	/	/	18.77	/	/	<=30	Pass
		Outer_Full	21.41	/	/	18.61	/	/	<=30	Pass
		Inner_Full	21.43	/	/	18.63	/	/	<=30	Pass
		Inner_1RB_Left	21.40	/	/	18.60	/	/	<=30	Pass
		Inner_1RB_Right	21.56	/	/	18.76	/	/	<=30	Pass
	3750	Edge_1RB_Left	17.77	/	/	14.97	/	/	<=30	Pass
		Edge_1RB_Right	18.16	/	/	15.36	/	/	<=30	Pass
		Outer_Full	18.38	/	/	15.58	/	/	<=30	Pass
		Inner_Full	18.51	/	/	15.71	/	/	<=30	Pass
		Inner_1RB_Left	18.00	/	/	15.20	/	/	<=30	Pass
	3840	Inner_1RB_Right	18.39	/	/	15.59	/	/	<=30	Pass
		Edge_1RB_Left	18.22	/	/	15.42	/	/	<=30	Pass
		Edge_1RB_Right	18.47	/	/	15.67	/	/	<=30	Pass
		Outer_Full	18.32	/	/	15.52	/	/	<=30	Pass
		Inner_Full	18.58	/	/	15.78	/	/	<=30	Pass
	3930	Inner_1RB_Left	18.24	/	/	15.44	/	/	<=30	Pass
		Inner_1RB_Right	18.26	/	/	15.46	/	/	<=30	Pass
		Edge_1RB_Left	18.35	/	/	15.55	/	/	<=30	Pass
		Edge_1RB_Right	18.56	/	/	15.76	/	/	<=30	Pass
		Outer_Full	18.46	/	/	15.66	/	/	<=30	Pass
		Inner_Full	18.48	/	/	15.68	/	/	<=30	Pass
		Inner_1RB_Left	18.40	/	/	15.60	/	/	<=30	Pass
		Inner_1RB_Right	18.61	/	/	15.81	/	/	<=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 n77a 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	3840	Outer_Full	20	LV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
				HV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-1.30	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			20	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
50	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
50	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-1.10	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-12.40	-0.0032	>=-2.5 & <=2.5	Pass
50	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
0	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass			



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Table with 8 columns: Test Item, Modulation, Bandwidth, Subcarrier Spacing, Subcarrier Index, Measured Value, Error Value, Compliance Limit, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, and CP-OFDM 64 QAM.



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CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass



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2.2 15k_SISO_15MHz

2.2.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
50	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-1.70	-0.0004	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
50	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
50	NV	3.00	0.0008	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass



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			30	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass			
			40	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass			
			50	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass			
				HV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass			
			-30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass			
			-20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass			
			-10	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass			
			0	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass			
			10	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass			
			20	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass			
			30	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass			
			40	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass			
			50	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass			
			CP-OFDM QPSK	3840	Outer_Full	20	LV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
							HV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
-30	NV	-2.70				-0.0007	>=-2.5 & <=2.5	Pass			
-20	NV	-6.30				-0.0016	>=-2.5 & <=2.5	Pass			
-10	NV	-3.90				-0.0010	>=-2.5 & <=2.5	Pass			
0	NV	-2.10				-0.0005	>=-2.5 & <=2.5	Pass			
10	NV	-6.90				-0.0018	>=-2.5 & <=2.5	Pass			
20	NV	-9.60				-0.0025	>=-2.5 & <=2.5	Pass			
30	NV	-3.20				-0.0008	>=-2.5 & <=2.5	Pass			
40	NV	-4.70				-0.0012	>=-2.5 & <=2.5	Pass			
50	NV	-4.70				-0.0012	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	3840	Outer_Full				20	LV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
							HV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass			
			-20	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass			
			-10	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass			
			0	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass			
			10	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass			
			20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass			
			30	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass			
			40	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass			
			50	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass			
			CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
							HV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
-30	NV	-5.80				-0.0015	>=-2.5 & <=2.5	Pass			
-20	NV	-2.00				-0.0005	>=-2.5 & <=2.5	Pass			
-10	NV	3.20				0.0008	>=-2.5 & <=2.5	Pass			
0	NV	-1.60				-0.0004	>=-2.5 & <=2.5	Pass			
10	NV	-7.50				-0.0020	>=-2.5 & <=2.5	Pass			
20	NV	-2.00				-0.0005	>=-2.5 & <=2.5	Pass			
30	NV	-4.20				-0.0011	>=-2.5 & <=2.5	Pass			
40	NV	-6.30				-0.0016	>=-2.5 & <=2.5	Pass			
50	NV	-3.20				-0.0008	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	3840	Outer_Full				20	LV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
							HV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass



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			-30	NV	-2.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.70	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-9.00	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass



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2.3 15k_SISO_20MHz

2.3.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-4.40	-0.0011	>=-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	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-2.80	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass



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			30	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass			
			40	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass			
			50	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass			
				HV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass			
						-30	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
						-20	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
						-10	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
						0	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
						10	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
						20	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
						30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
						40	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
						50	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			CP-OFDM QPSK	3840	Outer_Full	20	LV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
HV	-2.90	-0.0008					>=-2.5 & <=2.5	Pass			
						-30	NV	1.10	0.0003	>=-2.5 & <=2.5	Pass
						-20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
						-10	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
						0	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
						10	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
						20	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
						30	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
						40	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			50	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass			
				HV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass			
						-30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
						-20	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
						-10	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
						0	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
						10	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
						20	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
						30	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
						40	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass			
				HV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass			
						-30	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
						-20	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
						-10	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
						0	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
						10	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
						20	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
						30	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
						40	NV	-2.80	-0.0007	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass			
				HV	1.30	0.0003	>=-2.5 & <=2.5	Pass			



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			-30	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.10	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.50	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.70	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass



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2.4 15k_SISO_25MHz

2.4.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
50	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
50	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
50	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass



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			30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass			
			40	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass			
			50	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass			
				HV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass			
						-30	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
						-20	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
						-10	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
						0	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
						10	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
						20	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
						30	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
						40	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
						50	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			CP-OFDM QPSK	3840	Outer_Full	20	LV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
HV	-2.90	-0.0008					>=-2.5 & <=2.5	Pass			
						-30	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
						-20	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
						-10	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
						0	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
						10	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
						20	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
						30	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
						40	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
						50	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full				20	LV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			HV	-5.60	-0.0015		>=-2.5 & <=2.5	Pass			
						-30	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
						-20	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
						-10	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
						0	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
						10	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
						20	NV	-2.40	-0.0006	>=-2.5 & <=2.5	Pass
						30	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
						40	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
						50	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
HV	-3.60	-0.0009					>=-2.5 & <=2.5	Pass			
						-30	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
						-20	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
						-10	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
						0	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
						10	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
						20	NV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
						30	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
						40	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
						50	NV	2.40	0.0006	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full				20	LV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			HV	-3.30	-0.0009		>=-2.5 & <=2.5	Pass			



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			-30	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-2.80	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-2.80	-0.0007	>=-2.5 & <=2.5	Pass



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2.5 15k_SISO_30MHz

2.5.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-1.00	-0.0003	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	0.90	0.0002	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass



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Table with 8 columns: Test Item, Modulation, Bandwidth, Subcarrier, Modulation, Error Rate, Error Rate, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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			-30	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.10	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.90	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass



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2.6 15k_SISO_40MHz

2.6.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-1.70	-0.0004	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass



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			30	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass			
			40	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass			
			50	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass			
				HV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass			
			-30	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass			
			-20	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass			
			-10	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass			
			0	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass			
			10	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass			
			20	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass			
			30	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass			
			40	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass			
			50	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass			
			CP-OFDM QPSK	3840	Outer_Full	20	LV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
							HV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
-30	NV	-1.60				-0.0004	>=-2.5 & <=2.5	Pass			
-20	NV	-4.10				-0.0011	>=-2.5 & <=2.5	Pass			
-10	NV	-4.10				-0.0011	>=-2.5 & <=2.5	Pass			
0	NV	-4.20				-0.0011	>=-2.5 & <=2.5	Pass			
10	NV	-3.20				-0.0008	>=-2.5 & <=2.5	Pass			
20	NV	-4.80				-0.0013	>=-2.5 & <=2.5	Pass			
30	NV	1.30				0.0003	>=-2.5 & <=2.5	Pass			
40	NV	-5.70				-0.0015	>=-2.5 & <=2.5	Pass			
50	NV	-3.20				-0.0008	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	3840	Outer_Full				20	LV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
							HV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass			
			-20	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass			
			-10	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass			
			0	NV	3.10	0.0008	>=-2.5 & <=2.5	Pass			
			10	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass			
			20	NV	-0.70	-0.0002	>=-2.5 & <=2.5	Pass			
			30	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass			
			40	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass			
			50	NV	-1.10	-0.0003	>=-2.5 & <=2.5	Pass			
			CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
							HV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
-30	NV	-6.30				-0.0016	>=-2.5 & <=2.5	Pass			
-20	NV	-2.10				-0.0005	>=-2.5 & <=2.5	Pass			
-10	NV	-3.50				-0.0009	>=-2.5 & <=2.5	Pass			
0	NV	-2.80				-0.0007	>=-2.5 & <=2.5	Pass			
10	NV	-7.30				-0.0019	>=-2.5 & <=2.5	Pass			
20	NV	-8.10				-0.0021	>=-2.5 & <=2.5	Pass			
30	NV	-3.00				-0.0008	>=-2.5 & <=2.5	Pass			
40	NV	-6.20				-0.0016	>=-2.5 & <=2.5	Pass			
50	NV	-3.60				-0.0009	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	3840	Outer_Full				20	LV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
							HV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass



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			-30	NV	2.60	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.50	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass



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2.7 15k_SISO_50MHz

2.7.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	1.40	0.0004	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	1.30	0.0003	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			40	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-1.10	-0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass



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			30	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass			
			40	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass			
			50	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass			
				HV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass			
						-30	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
						-20	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
						-10	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
						0	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
						10	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
						20	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
						30	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
						40	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
						50	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			CP-OFDM QPSK	3840	Outer_Full	20	LV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
							HV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
						-30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
						-20	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
						-10	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
						0	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
						10	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
						20	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
						30	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
						40	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
						50	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full				20	LV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
							HV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
						-30	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
						-20	NV	-1.00	-0.0003	>=-2.5 & <=2.5	Pass
						-10	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
						0	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
						10	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
						20	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
						30	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
						40	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
						50	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
							HV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
						-30	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
						-20	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
						-10	NV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
						0	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
						10	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
						20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
						30	NV	2.00	0.0005	>=-2.5 & <=2.5	Pass
						40	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
						50	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full				20	LV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
							HV	-0.80	-0.0002	>=-2.5 & <=2.5	Pass



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			-30	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	3.50	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	3.20	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0006	>=-2.5 & <=2.5	Pass



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2.8 30k_SISO_10MHz

2.8.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	2.30	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	1.40	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	3.10	0.0008	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
				HV	2.00	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	3.10	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	4.90	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	3.10	0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	4.70	0.0012	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	1.00	0.0003	>=-2.5 & <=2.5	Pass



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Table with 9 columns: Test Item, Modulation, Bandwidth, Frequency, Power, Error Rate, SNR, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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			-30	NV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.40	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.30	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass



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2.9 30k_SISO_15MHz

2.9.1 Test Result

Table with 9 columns: Modulation, Frequency (MHz), RB Allocation, Temp. (°C), Volt., Freq. Error (Hz), Freq. vs. rated (ppm) (Result, Limit), and Verdict. It contains test data for three modulation schemes: DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK, and DFT-s-OFDM 16 QAM, all at 3840 MHz and 30kHz SCS.



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Table with columns for Modulation, Bandwidth, Channel, Frequency, Power, SNR, BER, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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			-30	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.00	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.50	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.60	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass



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2.10 30k_SISO_20MHz

2.10.1 Test Result

Table with 9 columns: Modulation, Frequency (MHz), RB Allocation, Temp. (°C), Volt., Freq. Error (Hz), Freq. vs. rated (ppm) (Result, Limit), and Verdict. It contains test data for 5G NR n77a SCS=30kHz SISO 20MHz across four modulation schemes: DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK, DFT-s-OFDM 16 QAM, and DFT-s-OFDM 64 QAM.



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Table with columns for Test Item, Modulation, Bandwidth, Subcarrier Spacing, Frequency Offset, SNR, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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			-30	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.30	-0.0016	≥ -2.5 & ≤ 2.5	Pass



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2.11 30k_SISO_25MHz

2.11.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
50	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	0.30	0.0001	>=-2.5 & <=2.5	Pass
50	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
50	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass



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Table with 8 columns: Test Item, Modulation, Bandwidth, Subcarrier Spacing, Frequency Offset, Amplitude Error, Phase Error, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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			-30	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.50	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass



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2.12 30k_SISO_30MHz

2.12.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			0	NV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	1.10	0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-2.80	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass



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Table with columns for Modulation, Bandwidth, Channel, Frequency, Power, SNR, BER, and Pass/Fail status. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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			-30	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.30	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.50	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass



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2.13 30k_SISO_40MHz

2.13.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-1.40	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
				HV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	3.10	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	5.30	0.0014	>=-2.5 & <=2.5	Pass



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			30	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass			
			40	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass			
			50	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	3.40	0.0009	>=-2.5 & <=2.5	Pass			
				HV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass			
			-30	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass			
			-20	NV	1.70	0.0004	>=-2.5 & <=2.5	Pass			
			-10	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass			
			0	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass			
			10	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass			
			20	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass			
			30	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass			
			40	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass			
			50	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass			
			CP-OFDM QPSK	3840	Outer_Full	20	LV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
							HV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
-30	NV	-4.70				-0.0012	>=-2.5 & <=2.5	Pass			
-20	NV	-8.00				-0.0021	>=-2.5 & <=2.5	Pass			
-10	NV	-4.00				-0.0010	>=-2.5 & <=2.5	Pass			
0	NV	-5.30				-0.0014	>=-2.5 & <=2.5	Pass			
10	NV	-3.00				-0.0008	>=-2.5 & <=2.5	Pass			
20	NV	-3.70				-0.0010	>=-2.5 & <=2.5	Pass			
30	NV	-4.80				-0.0013	>=-2.5 & <=2.5	Pass			
40	NV	-3.60				-0.0009	>=-2.5 & <=2.5	Pass			
50	NV	-6.00				-0.0016	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	3840	Outer_Full				20	LV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
							HV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass			
			-20	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass			
			-10	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass			
			0	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass			
			10	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass			
			20	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass			
			30	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass			
			40	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass			
			50	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass			
			CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
							HV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
-30	NV	-4.80				-0.0013	>=-2.5 & <=2.5	Pass			
-20	NV	-4.00				-0.0010	>=-2.5 & <=2.5	Pass			
-10	NV	-6.60				-0.0017	>=-2.5 & <=2.5	Pass			
0	NV	-3.30				-0.0009	>=-2.5 & <=2.5	Pass			
10	NV	-2.30				-0.0006	>=-2.5 & <=2.5	Pass			
20	NV	-8.10				-0.0021	>=-2.5 & <=2.5	Pass			
30	NV	-6.80				-0.0018	>=-2.5 & <=2.5	Pass			
40	NV	-7.10				-0.0018	>=-2.5 & <=2.5	Pass			
50	NV	-6.90				-0.0018	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	3840	Outer_Full				20	LV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
							HV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass



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			-30	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.20	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.60	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.20	-0.0019	≥ -2.5 & ≤ 2.5	Pass



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2.14 30k_SISO_50MHz

2.14.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-1.70	-0.0004	>=-2.5 & <=2.5	Pass
				HV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	2.80	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-12.30	-0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	3.00	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	3.00	0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	3.10	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	1.10	0.0003	>=-2.5 & <=2.5	Pass
			10	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass



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Table with 8 columns: Test Item, Modulation, Bandwidth, Subcarrier, Frequency, Power Spectral Density, Error Rate, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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			-30	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.80	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.50	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.10	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass



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2.15 30k_SISO_60MHz

2.15.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-12.30	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
50	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
50	NV	-2.40	-0.0006	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
50	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	2.10	0.0005	>=-2.5 & <=2.5	Pass
				HV	6.50	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	3.60	0.0009	>=-2.5 & <=2.5	Pass



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Table with columns for Test Item, Modulation, Bandwidth, Subcarrier Spacing, Frequency Offset, SNR, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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			-30	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass



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2.16 30k_SISO_70MHz

2.16.1 Test Result

Table with 9 columns: Modulation, Frequency (MHz), RB Allocation, Temp. (°C), Volt., Freq. Error (Hz), Freq. vs. rated (ppm) (Result, Limit), and Verdict. It contains test data for three modulation schemes: DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK, and DFT-s-OFDM 16 QAM, all at 3840 MHz and 30kHz SCS.



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			30	NV	-12.00	-0.0031	>=-2.5 & <=2.5	Pass			
			40	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass			
			50	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass			
				HV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass			
			-30	NV	3.70	0.0010	>=-2.5 & <=2.5	Pass			
			-20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass			
			-10	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass			
			0	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass			
			10	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass			
			20	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass			
			30	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass			
			40	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass			
			50	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass			
			CP-OFDM QPSK	3840	Outer_Full	20	LV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
							HV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
-30	NV	-5.50				-0.0014	>=-2.5 & <=2.5	Pass			
-20	NV	-3.10				-0.0008	>=-2.5 & <=2.5	Pass			
-10	NV	-3.10				-0.0008	>=-2.5 & <=2.5	Pass			
0	NV	-6.40				-0.0017	>=-2.5 & <=2.5	Pass			
10	NV	-5.70				-0.0015	>=-2.5 & <=2.5	Pass			
20	NV	-4.20				-0.0011	>=-2.5 & <=2.5	Pass			
30	NV	-6.00				-0.0016	>=-2.5 & <=2.5	Pass			
40	NV	-0.80				-0.0002	>=-2.5 & <=2.5	Pass			
50	NV	-4.70				-0.0012	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	3840	Outer_Full				20	LV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
							HV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass			
			-20	NV	-1.30	-0.0003	>=-2.5 & <=2.5	Pass			
			-10	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass			
			0	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass			
			10	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass			
			20	NV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass			
			30	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass			
			40	NV	3.40	0.0009	>=-2.5 & <=2.5	Pass			
			50	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass			
			CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
							HV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
-30	NV	-3.90				-0.0010	>=-2.5 & <=2.5	Pass			
-20	NV	-7.60				-0.0020	>=-2.5 & <=2.5	Pass			
-10	NV	-4.80				-0.0013	>=-2.5 & <=2.5	Pass			
0	NV	-7.80				-0.0020	>=-2.5 & <=2.5	Pass			
10	NV	-8.60				-0.0022	>=-2.5 & <=2.5	Pass			
20	NV	-4.70				-0.0012	>=-2.5 & <=2.5	Pass			
30	NV	-4.70				-0.0012	>=-2.5 & <=2.5	Pass			
40	NV	-5.40				-0.0014	>=-2.5 & <=2.5	Pass			
50	NV	-5.70				-0.0015	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	3840	Outer_Full				20	LV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
							HV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass



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			-30	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-1.70	-0.0004	>=-2.5 & <=2.5	Pass



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2.17 30k_SISO_80MHz

2.17.1 Test Result

5G NR n77a 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	3840	Outer_Full	20	LV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-13.30	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-1.40	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	3.50	0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	3.20	0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	2.90	0.0008	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	3.40	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	4.40	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-1.10	-0.0003	>=-2.5 & <=2.5	Pass
				HV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass



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Table with columns for Test Item, Modulation, Bandwidth, Subcarrier Spacing, Frequency Offset, SNR, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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			-30	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass



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