			-30	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass
			40	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			50	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			50	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass

				HV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass

6.11 30k_SISO_40MHz

6.11.1 Test Result

5G NR n41 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	2592.99	Outer_Full	20	LV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass

				HV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-0.90	-0.0003	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	2.60	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass

CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			50	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass

6.12 30k_SISO_50MHz

6.12.1 Test Result

5G NR n41 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	2592.99	Outer_Full	20	LV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	-16.90	-0.0065	>=-2.5 & <=2.5	Pass
			-10	NV	-13.10	-0.0051	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
			20	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			30	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-12.50	-0.0048	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
				HV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			-30	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	-11.70	-0.0045	>=-2.5 & <=2.5	Pass
			30	NV	-14.40	-0.0056	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-11.60	-0.0045	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			10	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			50	NV	-11.60	-0.0045	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
				HV	-11.20	-0.0043	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-14.30	-0.0055	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass

			50	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			20	NV	-10.90	-0.0042	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass

6.13 30k_SISO_60MHz

6.13.1 Test Result

5G NR n41 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	2592.99	Outer_Full	20	LV	-12.40	-0.0048	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			0	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-13.10	-0.0051	>=-2.5 & <=2.5	Pass
			30	NV	-13.60	-0.0052	>=-2.5 & <=2.5	Pass
			40	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-10.90	-0.0042	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			-20	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			30	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass

			50	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			10	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			40	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			0	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			10	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			50	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass

			40	NV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
			50	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass

6.14 30k_SISO_80MHz

6.14.1 Test Result

5G NR n41 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	2592.99	Outer_Full	20	LV	-15.60	-0.0060	>=-2.5 & <=2.5	Pass
				HV	-15.90	-0.0061	>=-2.5 & <=2.5	Pass
			-30	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			-10	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			0	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-10.90	-0.0042	>=-2.5 & <=2.5	Pass
			20	NV	-14.60	-0.0056	>=-2.5 & <=2.5	Pass
			30	NV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass
			40	NV	-11.60	-0.0045	>=-2.5 & <=2.5	Pass
			50	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-12.50	-0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	-14.50	-0.0056	>=-2.5 & <=2.5	Pass
			50	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
				HV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-10.90	-0.0042	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			0	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
			40	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-12.50	-0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			0	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-11.20	-0.0043	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass

			50	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			50	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass

6.15 30k_SISO_90MHz

6.15.1 Test Result

5G NR n41 SCS=30kHz SISO 90MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2592.99	Outer_Full	20	LV	-11.60	-0.0045	>=-2.5 & <=2.5	Pass
				HV	-14.50	-0.0056	>=-2.5 & <=2.5	Pass
			-30	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
			-20	NV	-12.50	-0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			50	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-15.70	-0.0061	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			10	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
			40	NV	-13.40	-0.0052	>=-2.5 & <=2.5	Pass
			50	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-11.60	-0.0045	>=-2.5 & <=2.5	Pass
				HV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-13.00	-0.0050	>=-2.5 & <=2.5	Pass
			-20	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-13.20	-0.0051	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass

			50	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-14.80	-0.0057	>=-2.5 & <=2.5	Pass
				HV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			-20	NV	-13.00	-0.0050	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-12.40	-0.0048	>=-2.5 & <=2.5	Pass
			10	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
			30	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
			40	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-13.20	-0.0051	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
				HV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			-10	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			0	NV	-13.70	-0.0053	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			50	NV	-13.70	-0.0053	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-1.30	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	2.50	0.0010	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass

			40	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			0	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass

6.16 30k_SISO_100MHz

6.16.1 Test Result

5G NR n41 SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	2592.99	Outer_Full	20	LV	-14.20	-0.0055	>=-2.5 & <=2.5	Pass
				HV	-12.70	-0.0049	>=-2.5 & <=2.5	Pass
			-30	NV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
			-20	NV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
			-10	NV	-12.50	-0.0048	>=-2.5 & <=2.5	Pass
			0	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
			10	NV	-13.50	-0.0052	>=-2.5 & <=2.5	Pass
			20	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			50	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
				HV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
			-30	NV	-13.90	-0.0054	>=-2.5 & <=2.5	Pass
			-20	NV	-12.30	-0.0047	>=-2.5 & <=2.5	Pass
			-10	NV	-15.40	-0.0059	>=-2.5 & <=2.5	Pass
			0	NV	-14.80	-0.0057	>=-2.5 & <=2.5	Pass
			10	NV	-12.30	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-16.70	-0.0064	>=-2.5 & <=2.5	Pass
			50	NV	-13.30	-0.0051	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
			-20	NV	-13.30	-0.0051	>=-2.5 & <=2.5	Pass
			-10	NV	-17.10	-0.0066	>=-2.5 & <=2.5	Pass
			0	NV	-15.40	-0.0059	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass

			40	NV	-12.70	-0.0049	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			-30	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass
			-10	NV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
			0	NV	-15.10	-0.0058	>=-2.5 & <=2.5	Pass
			10	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-14.20	-0.0055	>=-2.5 & <=2.5	Pass
			30	NV	-10.90	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-11.60	-0.0045	>=-2.5 & <=2.5	Pass
			50	NV	-13.30	-0.0051	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-14.50	-0.0056	>=-2.5 & <=2.5	Pass
			-10	NV	-12.70	-0.0049	>=-2.5 & <=2.5	Pass
			0	NV	-11.20	-0.0043	>=-2.5 & <=2.5	Pass
			10	NV	-14.00	-0.0054	>=-2.5 & <=2.5	Pass
			20	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
			40	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			50	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			20	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			50	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-13.00	-0.0050	>=-2.5 & <=2.5	Pass
			-10	NV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass

			30	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			50	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass

7. n66 Frequency Stability

7.1 15k_SISO_5MHz

7.1.1 Test Result

5G NR n66 SCS=15kHz SISO 5MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	2.90	0.0017	>=-2.5 & <=2.5	Pass
				HV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			40	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	3.30	0.0019	>=-2.5 & <=2.5	Pass
				HV	4.90	0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
			10	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			40	NV	4.40	0.0025	>=-2.5 & <=2.5	Pass
			50	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	3.10	0.0018	>=-2.5 & <=2.5	Pass
				HV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			50	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
				HV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			10	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass

			50	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass

7.2 15k_SISO_10MHz

7.2.1 Test Result

5G NR n66 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	1745	Outer_Full	20	LV	3.60	0.0021	>=-2.5 & <=2.5	Pass
				HV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
			0	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			10	NV	4.40	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	4.90	0.0028	>=-2.5 & <=2.5	Pass
			30	NV	4.20	0.0024	>=-2.5 & <=2.5	Pass
			40	NV	5.10	0.0029	>=-2.5 & <=2.5	Pass
			50	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass

			50	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	1.30	0.0007	>=-2.5 & <=2.5	Pass
				HV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			50	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	1.00	0.0006	>=-2.5 & <=2.5	Pass
				HV	0.50	0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
				HV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-0.30	-0.0002	>=-2.5 & <=2.5	Pass
			-10	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	0.40	0.0002	>=-2.5 & <=2.5	Pass
			50	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	3.10	0.0018	>=-2.5 & <=2.5	Pass
				HV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass

			40	NV	4.70	0.0027	>=-2.5 & <=2.5	Pass
			50	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass

7.3 15k_SISO_15MHz

7.3.1 Test Result

5G NR n66 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	1745	Outer_Full	20	LV	0.80	0.0005	>=-2.5 & <=2.5	Pass
				HV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	2.70	0.0015	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
				HV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass

			40	NV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	1.00	0.0006	>=-2.5 & <=2.5	Pass
				HV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	0.20	0.0001	>=-2.5 & <=2.5	Pass
			-20	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	2.10	0.0012	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			20	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			30	NV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			40	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			50	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	0.70	0.0004	>=-2.5 & <=2.5	Pass
				HV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			40	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			50	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	0.50	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			30	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass
			50	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass

			30	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass

7.4 15k_SISO_20MHz

7.4.1 Test Result

5G NR n66 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	1745	Outer_Full	20	LV	1.00	0.0006	>=-2.5 & <=2.5	Pass
				HV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass

			30	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	0.60	0.0003	>=-2.5 & <=2.5	Pass
				HV	-0.40	-0.0002	>=-2.5 & <=2.5	Pass
			-30	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	3.00	0.0017	>=-2.5 & <=2.5	Pass
				HV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	4.90	0.0028	>=-2.5 & <=2.5	Pass
			20	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			40	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			50	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	2.70	0.0015	>=-2.5 & <=2.5	Pass
				HV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
			10	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	5.50	0.0032	>=-2.5 & <=2.5	Pass
			50	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	3.70	0.0021	>=-2.5 & <=2.5	Pass
				HV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass

			20	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass

7.5 15k_SISO_25MHz

7.5.1 Test Result

5G NR n66 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	1745	Outer_Full	20	LV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
				HV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			0	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			10	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass
			50	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
				HV	0.60	0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
			20	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			50	NV	4.80	0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	2.40	0.0014	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			0	NV	4.90	0.0028	>=-2.5 & <=2.5	Pass
			10	NV	5.20	0.0030	>=-2.5 & <=2.5	Pass
			20	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			50	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	4.00	0.0023	>=-2.5 & <=2.5	Pass
				HV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	5.20	0.0030	>=-2.5 & <=2.5	Pass
			10	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass

			20	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			50	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-0.20	-0.0001	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	-0.40	-0.0002	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			50	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	0.60	0.0003	>=-2.5 & <=2.5	Pass
				HV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	0.50	0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	0.40	0.0002	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			50	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
				HV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			30	NV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
				HV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass

			10	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	0.30	0.0002	>=-2.5 & <=2.5	Pass
			30	NV	0.50	0.0003	>=-2.5 & <=2.5	Pass
			40	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass

7.6 15k_SISO_30MHz

7.6.1 Test Result

5G NR n66 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	1745	Outer_Full	20	LV	1.20	0.0007	>=-2.5 & <=2.5	Pass
				HV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	0.50	0.0003	>=-2.5 & <=2.5	Pass
			10	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
				HV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass

			10	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			20	NV	0.50	0.0003	>=-2.5 & <=2.5	Pass
			30	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			50	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
				HV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			50	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			30	NV	0.20	0.0001	>=-2.5 & <=2.5	Pass
			40	NV	-0.40	-0.0002	>=-2.5 & <=2.5	Pass
			50	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
				HV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
			20	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			50	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	1.60	0.0009	>=-2.5 & <=2.5	Pass
				HV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			50	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0027	>=-2.5 & <=2.5	Pass

			0	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass

7.7 15k_SISO_40MHz

7.7.1 Test Result

5G NR n66 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	1745	Outer_Full	20	LV	2.40	0.0014	>=-2.5 & <=2.5	Pass
				HV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	0.50	0.0003	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0031	>=-2.5 & <=2.5	Pass
			50	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-7.90	-0.0045	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-5.20	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass

			0	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	2.40	0.0014	>=-2.5 & <=2.5	Pass
				HV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			20	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	3.00	0.0017	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			20	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			40	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			50	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	1.20	0.0007	>=-2.5 & <=2.5	Pass
				HV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass

			-10	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass

7.8 30k_SISO_10MHz

7.8.1 Test Result

5G NR n66 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	1745	Outer_Full	20	LV	2.80	0.0016	>=-2.5 & <=2.5	Pass
				HV	5.50	0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	5.70	0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	2.70	0.0015	>=-2.5 & <=2.5	Pass
				HV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			20	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0034	>=-2.5 & <=2.5	Pass
			50	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
				HV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass

			-10	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			0	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-5.10	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
				HV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass

			-20	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass

7.9 30k_SISO_15MHz

7.9.1 Test Result

5G NR n66 SCS=30kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			50	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
				HV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	5.90	0.0034	>=-2.5 & <=2.5	Pass
			10	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			20	NV	5.50	0.0032	>=-2.5 & <=2.5	Pass
			30	NV	4.20	0.0024	>=-2.5 & <=2.5	Pass
			40	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
			50	NV	5.10	0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	4.30	0.0025	>=-2.5 & <=2.5	Pass
				HV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass

			-20	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	5.20	0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-5.10	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-4.40	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	2.00	0.0011	>=-2.5 & <=2.5	Pass
				HV	4.20	0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
				HV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	0.30	0.0002	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
				HV	2.30	0.0013	>=-2.5 & <=2.5	Pass

			-30	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			10	NV	4.60	0.0026	>=-2.5 & <=2.5	Pass
			20	NV	4.40	0.0025	>=-2.5 & <=2.5	Pass
			30	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			40	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			50	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass

7.10 30k_SISO_20MHz

7.10.1 Test Result

5G NR n66 SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	2.30	0.0013	>=-2.5 & <=2.5	Pass
				HV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-6.80	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			30	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	3.00	0.0017	>=-2.5 & <=2.5	Pass
				HV	5.40	0.0031	>=-2.5 & <=2.5	Pass

			-30	NV	6.20	0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	5.90	0.0034	>=-2.5 & <=2.5	Pass
			30	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-4.40	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	0.90	0.0005	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			40	NV	8.40	0.0048	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	0.50	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			30	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass

				HV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass

7.11 30k_SISO_25MHz

7.11.1 Test Result

5G NR n66 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	1745	Outer_Full	20	LV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	5.30	0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	3.30	0.0019	>=-2.5 & <=2.5	Pass
				HV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	5.50	0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	7.40	0.0042	>=-2.5 & <=2.5	Pass
			50	NV	6.60	0.0038	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	1.50	0.0009	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0045	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-7.10	-0.0041	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass

				HV	-5.10	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0043	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0043	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-6.20	-0.0036	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	3.10	0.0018	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
			50	NV	5.60	0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	0.50	0.0003	>=-2.5 & <=2.5	Pass
				HV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			30	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
				HV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			30	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			40	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			50	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass

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CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-4.40	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-6.50	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass

7.12 30k_SISO_30MHz

7.12.1 Test Result

5G NR n66 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	1745	Outer_Full	20	LV	7.90	0.0045	>=-2.5 & <=2.5	Pass
				HV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
			30	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			40	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			50	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	2.30	0.0013	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
			30	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	3.50	0.0020	>=-2.5 & <=2.5	Pass
				HV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	5.10	0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	5.70	0.0033	>=-2.5 & <=2.5	Pass
			20	NV	4.70	0.0027	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			40	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			50	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	5.10	0.0029	>=-2.5 & <=2.5	Pass
				HV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
			0	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	4.80	0.0028	>=-2.5 & <=2.5	Pass
			20	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	5.10	0.0029	>=-2.5 & <=2.5	Pass
			50	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	0.90	0.0005	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	-5.30	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	1.30	0.0007	>=-2.5 & <=2.5	Pass
				HV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
				HV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	5.90	0.0034	>=-2.5 & <=2.5	Pass
			0	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass

			50	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass

7.13 30k_SISO_40MHz

7.13.1 Test Result

5G NR n66 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	1745	Outer_Full	20	LV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-5.60	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-5.30	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
				HV	7.70	0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	6.00	0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	5.40	0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			30	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			40	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass

			50	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	5.00	0.0029	>=-2.5 & <=2.5	Pass
				HV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	7.10	0.0041	>=-2.5 & <=2.5	Pass
			0	NV	4.80	0.0028	>=-2.5 & <=2.5	Pass
			10	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	0.50	0.0003	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	1.40	0.0008	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1745	Outer_Full	20	LV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-4.70	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full	20	LV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass

			40	NV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
				HV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass

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8. n78d Frequency Stability

8.1 15k_SISO_10MHz

8.1.1 Test Result

5G NR n78d 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	3625.005	Outer_Full	20	LV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3625.005	Outer_Full	20	LV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-10.30	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-10.30	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-10.30	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-10.00	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-10.10	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3625.005	Outer_Full	20	LV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-10.00	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-10.30	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-9.30	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-9.90	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-9.90	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass

			50	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass

8.2 15k_SISO_15MHz

8.2.1 Test Result

5G NR n78d 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	3625.005	Outer_Full	20	LV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3625.005	Outer_Full	20	LV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-10.40	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-11.50	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass

			50	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-10.40	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3625.005	Outer_Full	20	LV	-10.40	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-12.30	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-12.40	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-10.60	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-9.30	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-9.30	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-9.00	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-11.00	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass

			40	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass

8.3 15k_SISO_20MHz

8.3.1 Test Result

5G NR n78d 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	3625.005	Outer_Full	20	LV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3625.005	Outer_Full	20	LV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-10.30	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-10.10	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass

			40	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3625.005	Outer_Full	20	LV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-10.60	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-10.20	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass

			30	NV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass

8.4 15k_SISO_25MHz

8.4.1 Test Result

5G NR n78d 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	3625.005	Outer_Full	20	LV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3625.005	Outer_Full	20	LV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-10.20	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-9.30	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass

			30	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-10.90	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-9.90	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3625.005	Outer_Full	20	LV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-10.20	-0.0028	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass

			20	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass

8.5 15k_SISO_30MHz

8.5.1 Test Result

5G NR n78d 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	3625.005	Outer_Full	20	LV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0007	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3625.005	Outer_Full	20	LV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-10.90	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-10.70	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-11.20	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-10.10	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-10.80	-0.0030	>=-2.5 & <=2.5	Pass

			20	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-9.30	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3625.005	Outer_Full	20	LV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-10.00	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-11.00	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass

			10	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass

8.6 15k_SISO_40MHz

8.6.1 Test Result

5G NR n78d 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	3625.005	Outer_Full	20	LV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3625.005	Outer_Full	20	LV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-10.80	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-9.30	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-11.80	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass

			10	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3625.005	Outer_Full	20	LV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-9.00	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass

			0	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass

8.7 15k_SISO_50MHz

8.7.1 Test Result

5G NR n78d 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	3625.005	Outer_Full	20	LV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3625.005	Outer_Full	20	LV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-9.90	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-10.20	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-10.80	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-10.00	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-11.10	-0.0031	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-9.00	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-10.30	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass

			0	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-10.00	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-10.00	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-10.40	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-9.00	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3625.005	Outer_Full	20	LV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-9.00	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-11.10	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-9.00	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3625.005	Outer_Full	20	LV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-9.30	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3625.005	Outer_Full	20	LV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3625.005	Outer_Full	20	LV	-7.90	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass

			-10	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass

8.8 30k_SISO_10MHz

8.8.1 Test Result

5G NR n78d 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	3624.99	Outer_Full	20	LV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
				HV	2.00	0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			50	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	1.70	0.0005	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	0.90	0.0002	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-1.10	-0.0003	>=-2.5 & <=2.5	Pass
			50	NV	3.20	0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass

			-10	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	1.40	0.0004	>=-2.5 & <=2.5	Pass
			50	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass

			-20	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass

8.9 30k_SISO_15MHz

8.9.1 Test Result

5G NR n78d SCS=30kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3624.99	Outer_Full	20	LV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-2.00	-0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			50	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	2.50	0.0007	>=-2.5 & <=2.5	Pass
				HV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	0.90	0.0002	>=-2.5 & <=2.5	Pass
			-20	NV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass

			-20	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0007	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	3.20	0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass

			-30	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-1.00	-0.0003	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass

8.10 30k_SISO_20MHz

8.10.1 Test Result

5G NR n78d SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3624.99	Outer_Full	20	LV	1.70	0.0005	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			20	NV	5.40	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			50	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
				HV	2.40	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-1.70	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			0	NV	3.50	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	1.40	0.0004	>=-2.5 & <=2.5	Pass
			20	NV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	1.90	0.0005	>=-2.5 & <=2.5	Pass
				HV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass

			-30	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-8.40	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-0.80	-0.0002	>=-2.5 & <=2.5	Pass
			50	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass

				HV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass

8.11 30k_SISO_25MHz

8.11.1 Test Result

5G NR n78d 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	3624.99	Outer_Full	20	LV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-2.00	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			40	NV	-1.10	-0.0003	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-1.40	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-11.40	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass

				HV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0019	>=-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
			50	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-8.30	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			40	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-7.20	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass

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CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass

8.12 30k_SISO_30MHz

8.12.1 Test Result

5G NR n78d 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	3624.99	Outer_Full	20	LV	3.10	0.0009	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	3.00	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	3.00	0.0008	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	2.00	0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-3.10	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-4.00	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-2.10	-0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass

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			50	NV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass

8.13 30k_SISO_40MHz

8.13.1 Test Result

5G NR n78d SCS=30kHz SISO 40MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3624.99	Outer_Full	20	LV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-1.10	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	3.10	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-10.10	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass