

			30	NV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-3.00	-0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	-6.40	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0033	>=-2.5 & <=2.5	Pass
			50	NV	-7.00	-0.0037	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0041	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-6.00	-0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-6.40	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0033	>=-2.5 & <=2.5	Pass
			50	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-6.60	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-7.00	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0039	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0028	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

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0512-5125735000 0512-5125737000 sgs.china@sgs.com

			20	NV	-4.80	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0044	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0040	>=-2.5 & <=2.5	Pass
			50	NV	-8.00	-0.0042	>=-2.5 & <=2.5	Pass

4.5 15k_SISO_25MHz

4.5.1 Test Result

5G NR n25 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	1882.5	Outer_Full	20	LV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-4.90	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1882.5	Outer_Full	20	LV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-0.10	-0.0001	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留学院创业园伟业路18号 邮编 215300

86-51257350888 86-51257370811 www.sgs.com.cn
86-51257350888 86-51257370811 sgs.china@sgs.com

			20	NV	-2.50	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-4.40	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-2.50	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-2.50	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			CP-OFDM QPSK	1882.5	Outer_Full	20	LV	-3.30
HV	-2.80	-0.0015					>=-2.5 & <=2.5	Pass
-30	NV	-2.50				-0.0013	>=-2.5 & <=2.5	Pass
-20	NV	-2.50				-0.0013	>=-2.5 & <=2.5	Pass
-10	NV	-3.70				-0.0020	>=-2.5 & <=2.5	Pass
0	NV	-2.60				-0.0014	>=-2.5 & <=2.5	Pass
10	NV	-3.70				-0.0020	>=-2.5 & <=2.5	Pass
20	NV	-3.70				-0.0020	>=-2.5 & <=2.5	Pass
30	NV	-2.70				-0.0014	>=-2.5 & <=2.5	Pass
40	NV	-3.20				-0.0017	>=-2.5 & <=2.5	Pass
50	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
50	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
50	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-4.20	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass



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86-5125735688 86-5125737011 www.sgsygroup.com.cn
86-5125735688 86-5125737011 sgs.china@sgs.com

		10	NV	-5.70	-0.0030	>=-2.5 & <=2.5	Pass
		20	NV	-7.00	-0.0037	>=-2.5 & <=2.5	Pass
		30	NV	-6.00	-0.0032	>=-2.5 & <=2.5	Pass
		40	NV	-6.80	-0.0036	>=-2.5 & <=2.5	Pass
		50	NV	-4.90	-0.0026	>=-2.5 & <=2.5	Pass

4.6 15k_SISO_30MHz

4.6.1 Test Result

5G NR n25 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	1882.5	Outer_Full	20	LV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-3.90	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1882.5	Outer_Full	20	LV	-7.30	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-9.70	-0.0052	>=-2.5 & <=2.5	Pass
			10	NV	-8.40	-0.0045	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	-9.30	-0.0049	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-6.80	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-8.50	-0.0045	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0045	>=-2.5 & <=2.5	Pass
			0	NV	-9.10	-0.0048	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0041	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0036	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0037	>=-2.5 & <=2.5	Pass



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 0512-515735088 0512-515737010 www.sgs.com.cn
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			10	NV	-6.20	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0033	>=-2.5 & <=2.5	Pass
			50	NV	-6.30	-0.0033	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			HV	2.30	0.0012	>=-2.5 & <=2.5	Pass	
			-30	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	5.30	0.0028	>=-2.5 & <=2.5	Pass
			0	NV	3.50	0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-0.40	-0.0002	>=-2.5 & <=2.5	Pass
			20	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			30	NV	1.40	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
50	NV	0.50	0.0003	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	-4.40	-0.0023	>=-2.5 & <=2.5	Pass
			HV	-3.90	-0.0021	>=-2.5 & <=2.5	Pass	
			-30	NV	-4.70	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-4.80	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass
50	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	-4.70	-0.0025	>=-2.5 & <=2.5	Pass
			HV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass	
			-30	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-4.20	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0024	>=-2.5 & <=2.5	Pass
50	NV	-4.50	-0.0024	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-5.30	-0.0028	>=-2.5 & <=2.5	Pass
			HV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass	
			-30	NV	-4.80	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass
50	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-4.70	-0.0025	>=-2.5 & <=2.5	Pass
			HV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass	
			-30	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留园学生创业园伟业路10号 邮编 215300

086-51257356888 086-51257370010 www.sgsygroup.com.cn
086-51257356883 086-51257370011 sgs.china@sgs.com

		0	NV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
		10	NV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass
		20	NV	-7.10	-0.0038	>=-2.5 & <=2.5	Pass
		30	NV	-7.10	-0.0038	>=-2.5 & <=2.5	Pass
		40	NV	-4.90	-0.0026	>=-2.5 & <=2.5	Pass
		50	NV	-5.80	-0.0031	>=-2.5 & <=2.5	Pass

4.7 15k_SISO_40MHz

4.7.1 Test Result

5G NR n25 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	1882.5	Outer_Full	20	LV	0.70	0.0004	>=-2.5 & <=2.5	Pass
				HV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1882.5	Outer_Full	20	LV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0031	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	1.70	0.0009	>=-2.5 & <=2.5	Pass
				HV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-1.00	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	-1.70	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0023	>=-2.5 & <=2.5	Pass



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0512-515735088 0512-515737010 www.sgs.com.cn

0512-515735088 0512-515737010 sgs.china@sgs.com

			0	NV	-0.40	-0.0002	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	1.30	0.0007	>=-2.5 & <=2.5	Pass
				HV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	0.50	0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
50	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	-4.50	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-4.40	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass
50	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0025	>=-2.5 & <=2.5	Pass
50	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-5.70	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	1.00	0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	1.00	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
50	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-7.30	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-9.40	-0.0050	>=-2.5 & <=2.5	Pass
			-30	NV	-8.40	-0.0045	>=-2.5 & <=2.5	Pass
			-20	NV	-9.80	-0.0052	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留學生创业园伟业路10号 邮编 215300

086-5125735688 086-5125737081 www.sgsygroup.com.cn
086-5125735688 086-5125737081 sgs.china@sgs.com

			-10	NV	-6.40	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0038	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0034	>=-2.5 & <=2.5	Pass

4.8 30k_SISO_10MHz

4.8.1 Test Result

5G NR n25 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	1882.5	Outer_Full	20	LV	4.90	0.0026	>=-2.5 & <=2.5	Pass
				HV	5.80	0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	4.00	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	3.00	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	3.20	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	3.40	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	8.10	0.0043	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1882.5	Outer_Full	20	LV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
				HV	1.40	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	6.10	0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	3.70	0.0020	>=-2.5 & <=2.5	Pass
			40	NV	2.30	0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
				HV	4.70	0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	3.40	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass



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			-10	NV	5.20	0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	5.30	0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	4.00	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	4.20	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	6.50	0.0035	>=-2.5 & <=2.5	Pass
			20	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	4.00	0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-1.60	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	4.40	0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	2.80	0.0015	>=-2.5 & <=2.5	Pass
				HV	4.90	0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	3.00	0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	1.40	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	0.80	0.0004	>=-2.5 & <=2.5	Pass
			20	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-0.40	-0.0002	>=-2.5 & <=2.5	Pass
			50	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	1.40	0.0007	>=-2.5 & <=2.5	Pass
				HV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	3.20	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	2.40	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			20	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			30	NV	4.10	0.0022	>=-2.5 & <=2.5	Pass
			40	NV	4.70	0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-1.20	-0.0006	>=-2.5 & <=2.5	Pass
				HV	0.80	0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	3.20	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	2.30	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	5.40	0.0029	>=-2.5 & <=2.5	Pass
			40	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			50	NV	3.50	0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass



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			-20	NV	-6.00	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-6.40	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass

4.9 30k_SISO_15MHz

4.9.1 Test Result

5G NR n25 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	1882.5	Outer_Full	20	LV	-3.90	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	6.00	0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-6.50	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1882.5	Outer_Full	20	LV	1.50	0.0008	>=-2.5 & <=2.5	Pass
				HV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	7.80	0.0041	>=-2.5 & <=2.5	Pass
			0	NV	-9.60	-0.0051	>=-2.5 & <=2.5	Pass
			10	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	4.20	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-8.90	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	-1.00	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0021	>=-2.5 & <=2.5	Pass



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			-20	NV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	4.10	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-6.80	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-9.00	-0.0048	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-10.00	-0.0053	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	2.20	0.0012	>=-2.5 & <=2.5	Pass
				HV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	3.00	0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	1.60	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	1.60	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
			20	NV	4.40	0.0023	>=-2.5 & <=2.5	Pass
			30	NV	5.70	0.0030	>=-2.5 & <=2.5	Pass
			40	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	3.00	0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	1.60	0.0008	>=-2.5 & <=2.5	Pass
				HV	-1.70	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	1.20	0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	5.20	0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	4.40	0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			40	NV	1.60	0.0008	>=-2.5 & <=2.5	Pass
			50	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	2.30	0.0012	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-1.70	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			0	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	1.00	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	1.50	0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0023	>=-2.5 & <=2.5	Pass



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			-30	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	0.10	0.0001	>=-2.5 & <=2.5	Pass
			-10	NV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	0.40	0.0002	>=-2.5 & <=2.5	Pass
			40	NV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			50	NV	1.60	0.0008	>=-2.5 & <=2.5	Pass

4.10 30k_SISO_20MHz

4.10.1 Test Result

5G NR n25 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	1882.5	Outer_Full	20	LV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
				HV	5.50	0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	4.10	0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	6.80	0.0036	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	7.60	0.0040	>=-2.5 & <=2.5	Pass
			20	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	5.80	0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1882.5	Outer_Full	20	LV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	3.40	0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	6.10	0.0032	>=-2.5 & <=2.5	Pass
				HV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	4.40	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	1.20	0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	5.00	0.0027	>=-2.5 & <=2.5	Pass
			40	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	2.60	0.0014	>=-2.5 & <=2.5	Pass
				HV	4.50	0.0024	>=-2.5 & <=2.5	Pass



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			-30	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	4.00	0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-2.60	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	50	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			20	LV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	40	NV	2.40	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			20	LV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-1.70	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	30	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			20	LV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
				HV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-1.70	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	2.40	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	20	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			20	LV	2.80	0.0015	>=-2.5 & <=2.5	Pass



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				HV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	4.00	0.0021	>=-2.5 & <=2.5	Pass
			50	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass

4.11 30k_SISO_25MHz

4.11.1 Test Result

5G NR n25 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	1882.5	Outer_Full	20	LV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
				HV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	2.40	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	4.40	0.0023	>=-2.5 & <=2.5	Pass
			10	NV	3.70	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	5.30	0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1882.5	Outer_Full	20	LV	-5.00	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	4.20	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	4.20	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	3.40	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
				HV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	5.10	0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	4.40	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	5.30	0.0028	>=-2.5 & <=2.5	Pass
			20	NV	7.40	0.0039	>=-2.5 & <=2.5	Pass
			30	NV	6.30	0.0033	>=-2.5 & <=2.5	Pass
			40	NV	4.90	0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	NV	4.50	0.0024	>=-2.5 & <=2.5	Pass
				LV	-5.90	-0.0031	>=-2.5 & <=2.5	Pass



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				HV	7.60	0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	3.50	0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	5.80	0.0031	>=-2.5 & <=2.5	Pass
			10	NV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	1.60	0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-1.20	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-12.00	-0.0064	>=-2.5 & <=2.5	Pass
				HV	-4.90	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-4.90	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-7.50	-0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-5.90	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1882.5	Outer_Full	50	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	LV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
				HV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	0.80	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	1.60	0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1882.5	Outer_Full	40	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass
			20	LV	-4.40	-0.0023	>=-2.5 & <=2.5	Pass
				HV	1.20	0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-0.30	-0.0002	>=-2.5 & <=2.5	Pass
			10	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	1882.5	Outer_Full	30	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			20	LV	1.10	0.0006	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	1.40	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-1.20	-0.0006	>=-2.5 & <=2.5	Pass



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CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass

4.12 30k_SISO_30MHz

4.12.1 Test Result

5G NR n25 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	1882.5	Outer_Full	20	LV	3.40	0.0018	>=-2.5 & <=2.5	Pass
				HV	6.50	0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-6.60	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	4.30	0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-9.90	-0.0053	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-4.80	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1882.5	Outer_Full	20	LV	3.00	0.0016	>=-2.5 & <=2.5	Pass
				HV	5.30	0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	5.20	0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	5.20	0.0028	>=-2.5 & <=2.5	Pass
			0	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			10	NV	3.70	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	5.00	0.0027	>=-2.5 & <=2.5	Pass
			30	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	4.00	0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	3.40	0.0018	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	3.70	0.0020	>=-2.5 & <=2.5	Pass
			40	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass



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DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
				HV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	4.70	0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	5.00	0.0027	>=-2.5 & <=2.5	Pass
			0	NV	3.70	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	3.50	0.0019	>=-2.5 & <=2.5	Pass
			40	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
50	NV	3.70	0.0020	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0041	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0038	>=-2.5 & <=2.5	Pass
50	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
				HV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	3.10	0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
			40	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
50	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	2.00	0.0011	>=-2.5 & <=2.5	Pass
				HV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			0	NV	4.70	0.0025	>=-2.5 & <=2.5	Pass
			10	NV	6.40	0.0034	>=-2.5 & <=2.5	Pass
			20	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	2.80	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
50	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-2.40	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-1.60	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	1.40	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	2.50	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
40	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass			



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			50	NV	5.00	0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-6.60	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-1.90	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-5.80	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-6.30	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-5.10	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0029	>=-2.5 & <=2.5	Pass

4.13 30k_SISO_40MHz

4.13.1 Test Result

5G NR n25 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	1882.5	Outer_Full	20	LV	3.50	0.0019	>=-2.5 & <=2.5	Pass
				HV	1.00	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	4.50	0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-1.00	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	1.00	0.0005	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1882.5	Outer_Full	20	LV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	5.60	0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	5.10	0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	2.30	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	3.40	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	5.20	0.0028	>=-2.5 & <=2.5	Pass
			20	NV	0.60	0.0003	>=-2.5 & <=2.5	Pass
			30	NV	4.20	0.0022	>=-2.5 & <=2.5	Pass
			40	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1882.5	Outer_Full	20	LV	1.00	0.0005	>=-2.5 & <=2.5	Pass
				HV	3.00	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	4.00	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	4.10	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass



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			50	NV	3.50	0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-3.40	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-2.10	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	3.80	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
			30	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	5.80	0.0031	>=-2.5 & <=2.5	Pass
50	NV	-2.30	-0.0012	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-4.30	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	4.80	0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	3.00	0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-3.20	-0.0017	>=-2.5 & <=2.5	Pass
50	NV	-2.80	-0.0015	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	1882.5	Outer_Full	20	LV	2.00	0.0011	>=-2.5 & <=2.5	Pass
				HV	0.80	0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	2.10	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-0.80	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-1.50	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			30	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	4.00	0.0021	>=-2.5 & <=2.5	Pass
50	NV	4.10	0.0022	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	1882.5	Outer_Full	20	LV	2.30	0.0012	>=-2.5 & <=2.5	Pass
				HV	2.20	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	1.40	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-1.70	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	1.70	0.0009	>=-2.5 & <=2.5	Pass
			10	NV	3.90	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	2.60	0.0014	>=-2.5 & <=2.5	Pass
50	NV	3.30	0.0018	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	1882.5	Outer_Full	20	LV	-2.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	2.60	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	1.90	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-1.40	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-1.20	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	2.90	0.0015	>=-2.5 & <=2.5	Pass
30	NV	1.20	0.0006	>=-2.5 & <=2.5	Pass			



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			40	NV	-2.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.10	-0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	1882.5	Outer_Full	20	LV	-2.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.50	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.20	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.60	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.80	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.50	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.30	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.40	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass



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5. n38 Frequency Stability

5.1 15k_SISO_5MHz

5.1.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	2.70	0.0010	>=-2.5 & <=2.5	Pass
				HV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass



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DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-1.30	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-0.70	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	50	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			20	LV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	40	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			20	LV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			50	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			20	LV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			20	LV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass



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No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路18号 邮编 215300

0512-51257300 0512-51257301 www.sgs.com.cn

0512-51257300 0512-51257301 sgs.china@sgs.com

			50	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
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5.2 15k_SISO_10MHz

5.2.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	2.10	0.0008	>=-2.5 & <=2.5	Pass
				HV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	2.00	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-7.50	-0.0029	>=-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	-11.20	-0.0043	>=-2.5 & <=2.5	Pass
			-10	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			20	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass



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 0512-515735088 0512-515737010 sgs.china@sgs.com

			50	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-1.30	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	1.20	0.0005	>=-2.5 & <=2.5	Pass
			50	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

0512-51257350000 0512-51257370000 www.sgs.com www.sgs.com

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		40	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
		50	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass

5.3 15k_SISO_15MHz

5.3.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-0.90	-0.0003	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-1.30	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass



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			40	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-0.90	-0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			-20	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			50	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			50	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			-20	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass



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 056-512157350888 056-51215737011 www.sgs.com.cn
 056-512157350888 056-51215737011 sgs.china@sgs.com

		30	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
		40	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
		50	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass

5.4 15k_SISO_20MHz

5.4.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	1.30	0.0005	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	0.50	0.0002	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-0.90	-0.0003	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass



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			30	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	2.00	0.0008	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0006	>=-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	-0.80	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-5.30	-0.0020	>=-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	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

0512-515735088 0512-515737010 www.sgs.com.cn

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		20	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
		30	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
		40	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
		50	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass

5.5 15k_SISO_25MHz

5.5.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-11.60	-0.0045	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
				HV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			-10	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			20	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
				HV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			0	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			10	NV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

86-512(573)50888 86-512(573)7091 www.sgs.com.cn
86-512(573)50888 86-512(573)7091 sgs.china@sgs.com

			20	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			50	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			0	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			10	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass



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No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

0512-515735088 0512-515737011 www.sgs.com.cn

0512-515735088 0512-515737011 sgs.china@sgs.com

			10	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass

5.6 15k SISO 30MHz

5.6.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass
			0	NV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
			10	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			20	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-13.80	-0.0053	>=-2.5 & <=2.5	Pass
			40	NV	-15.00	-0.0058	>=-2.5 & <=2.5	Pass
			50	NV	-12.70	-0.0049	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-9.00	-0.0035	>=-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	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
50	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
50	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass



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800-5125735688 800-5125737000 www.agsgroup.com.cn
800-5125735688 800-5125737000 ags.china@ags.com

			10	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			HV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass	
			-30	NV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
50	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	2595	Outer_Full	20	LV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			HV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass	
			-30	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
50	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			HV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass	
			-30	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
50	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			HV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass	
			-30	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
50	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			HV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass	
			-30	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass



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86-5125735688 86-5125737011 www.sgs-group.com.cn
86-5125735688 86-5125737011 sgs.china@sgs.com

		0	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
		10	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
		20	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
		30	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
		40	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
		50	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass

5.7 15k_SISO_40MHz

5.7.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-13.10	-0.0050	>=-2.5 & <=2.5	Pass
			-20	NV	-13.20	-0.0051	>=-2.5 & <=2.5	Pass
			-10	NV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
			0	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
50	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	2595	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	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
50	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-13.30	-0.0051	>=-2.5 & <=2.5	Pass
			-30	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
			0	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
50	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass



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 (86-512)57370888 (86-512)57370911 www.sgs.com.cn
 (86-512)57350888 (86-512)57370911 sgs.china@sgs.com

			0	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			50	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			40	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
50	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	2595	Outer_Full	20	LV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
50	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
50	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
50	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留园学生创业园伟业路10号 邮编 215300

086-5125735688 086-5125737000 www.sgschina.com.cn
086-5125735688 086-5125737000 sgs.china@sgs.com

			-10	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass

5.8 30k_SISO_10MHz

5.8.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-14.60	-0.0056	>=-2.5 & <=2.5	Pass
			-20	NV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
			-10	NV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
			0	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
				HV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass
				HV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass



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			-10	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	4.40	0.0017	>=-2.5 & <=2.5	Pass
				HV	5.50	0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	8.80	0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	3.90	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	2.60	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	4.60	0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	2.00	0.0008	>=-2.5 & <=2.5	Pass
				HV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	4.20	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	1.50	0.0006	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	1.10	0.0004	>=-2.5 & <=2.5	Pass



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			-20	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass

5.9 30k_SISO_15MHz

5.9.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	3.00	0.0012	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass



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			-20	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-0.70	-0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			50	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	2.20	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	3.50	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	2.80	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	3.10	0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-0.60	-0.0002	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass



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			-30	NV	3.00	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-1.00	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass

5.10 30k_SISO_20MHz

5.10.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	3.40	0.0013	>=-2.5 & <=2.5	Pass
				HV	1.20	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	2.00	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	4.90	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	6.10	0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
				HV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	0.90	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	6.60	0.0025	>=-2.5 & <=2.5	Pass
			30	NV	3.30	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	4.40	0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	2.50	0.0010	>=-2.5 & <=2.5	Pass
				HV	4.00	0.0015	>=-2.5 & <=2.5	Pass



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			-30	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	0.80	0.0003	>=-2.5 & <=2.5	Pass
				HV	4.10	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	1.40	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	0.80	0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	5.10	0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2595	Outer_Full	20	LV	4.50	0.0017	>=-2.5 & <=2.5	Pass
				HV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	7.10	0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	3.40	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	1.20	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	6.40	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	3.90	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	2.00	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	5.20	0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	2.90	0.0011	>=-2.5 & <=2.5	Pass
				HV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	3.10	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	3.50	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	3.90	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	2.20	0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	4.40	0.0017	>=-2.5 & <=2.5	Pass
				HV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	5.90	0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	3.10	0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	3.60	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			50	NV	2.60	0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass



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				HV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass

5.11 30k_SISO_25MHz

5.11.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	6.00	0.0023	>=-2.5 & <=2.5	Pass
			0	NV	4.10	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	NV	4.10	0.0016	>=-2.5 & <=2.5	Pass
				LV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass



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				HV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	2.80	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	3.90	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
50	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	2595	Outer_Full	20	LV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
50	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
50	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
50	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass			



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186-51257356888 186-51257370818 www.sgsigroup.com.cn
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CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass

5.12 30k_SISO_30MHz

5.12.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-10.90	-0.0042	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	3.20	0.0012	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	3.60	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

0512-515735088 0512-515737010 www.sgs.com.cn

0512-515735088 0512-515737010 sgs.china@sgs.com

DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
50	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	3.30	0.0013	>=-2.5 & <=2.5	Pass
				HV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	4.60	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	1.90	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0008	>=-2.5 & <=2.5	Pass
50	NV	5.00	0.0019	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	2595	Outer_Full	20	LV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
50	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
50	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-1.30	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
40	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass			



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中国·江苏·昆山市留园学生创业园伟业路10号 邮编 215300

800-5125735888 800-5125737000 www.sgsgroup.com.cn
 86-51265735888 86-51265737000 sgs.china@sgs.com

			50	NV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	2595	Outer_Full	20	LV	-8.40	-0.0032	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.70	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.90	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.20	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.10	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.10	-0.0024	≥ -2.5 & ≤ 2.5	Pass

5.13 30k_SISO_40MHz

5.13.1 Test Result

5G NR n38 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	2595	Outer_Full	20	LV	-7.20	-0.0028	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.40	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.30	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-9.10	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.20	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.20	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.10	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.50	-0.0029	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM QPSK	2595	Outer_Full	20	LV	-2.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	2.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.60	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-0.60	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.40	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-10.40	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-9.40	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.00	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.20	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.20	-0.0028	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	2595	Outer_Full	20	LV	-6.30	-0.0024	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.60	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.40	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.50	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.00	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.50	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.30	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.90	-0.0027	≥ -2.5 & ≤ 2.5	Pass



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No.18, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学生创业园伟业路18号 邮编 215300

86-512)57350888 86-512)57370911 www.sgs.com.cn

86-512)57350888 86-512)57370911 sgs.china@sgs.com

			50	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2595	Outer_Full	20	LV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
50	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	2595	Outer_Full	20	LV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
50	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	2595	Outer_Full	20	LV	-4.80	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
50	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	2595	Outer_Full	20	LV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
50	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	2595	Outer_Full	20	LV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	1.50	0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
30	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass			



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86-5125735888 86-5125737000 sgs.china@sgs.com

CP-OFDM 256 QAM	2595	Outer_Full	40	NV	-5.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.40	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-5.20	-0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.70	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.00	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.00	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.10	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.60	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.80	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.70	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.10	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.00	-0.0019	≥ -2.5 & ≤ 2.5	Pass



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(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com

6. n41 Frequency Stability

6.1 15k_SISO_10MHz

6.1.1 Test Result

5G NR n41 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	2593.005	Outer_Full	20	LV	3.40	0.0013	>=-2.5 & <=2.5	Pass
				HV	3.10	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
				NV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass
				NV	1.20	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	1.40	0.0005	>=-2.5 & <=2.5	Pass
				NV	2.20	0.0008	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0010	>=-2.5 & <=2.5	Pass
				NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			50	NV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2593.005	Outer_Full	20	LV	1.30	0.0005	>=-2.5 & <=2.5	Pass
				HV	3.50	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	4.20	0.0016	>=-2.5 & <=2.5	Pass
				NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	2.60	0.0010	>=-2.5 & <=2.5	Pass
				NV	2.20	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	2.60	0.0010	>=-2.5 & <=2.5	Pass
				NV	1.40	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
				NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2593.005	Outer_Full	20	LV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
				HV	1.10	0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	4.20	0.0016	>=-2.5 & <=2.5	Pass
				NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	1.90	0.0007	>=-2.5 & <=2.5	Pass
				NV	3.50	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	4.10	0.0016	>=-2.5 & <=2.5	Pass
				NV	1.90	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
				NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			50	NV	2.70	0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2593.005	Outer_Full	20	LV	0.90	0.0003	>=-2.5 & <=2.5	Pass
				HV	2.60	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	3.70	0.0014	>=-2.5 & <=2.5	Pass
				NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	3.90	0.0015	>=-2.5 & <=2.5	Pass
				NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
				NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	2.90	0.0011	>=-2.5 & <=2.5	Pass
				NV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			50	NV	3.10	0.0012	>=-2.5 & <=2.5	Pass



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0085-51257350888 006-51257370911 www.sgs.com cn

0085-51257350888 006-51257370911 sgs.china@sgs.com

DFT-s-OFDM 256 QAM	2593.005	Outer_Full	20	LV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-1.30	-0.0005	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2593.005	Outer_Full	50	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	LV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2593.005	Outer_Full	40	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	LV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2593.005	Outer_Full	30	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			20	LV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2593.005	Outer_Full	20	NV	0.60	0.0002	>=-2.5 & <=2.5	Pass
			30	NV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			40	NV	1.50	0.0006	>=-2.5 & <=2.5	Pass
			50	NV	1.80	0.0007	>=-2.5 & <=2.5	Pass
			20	LV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	1.20	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	1.10	0.0004	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass



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056-512157350888 056-51215737010 www.sgs.com.cn

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			50	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
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6.2 15k SISO 15MHz

6.2.1 Test Result

5G NR n41 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	2593.005	Outer_Full	20	LV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
50	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	2593.005	Outer_Full	20	LV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
50	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	2593.005	Outer_Full	20	LV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
50	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	2593.005	Outer_Full	20	LV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-1.60	-0.0006	>=-2.5 & <=2.5	Pass
40	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass			



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186-51257356888 186-51257370818 www.sgsigroup.com.cn
186-51257356888 186-51257370818 sgs.china@sgs.com

			50	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2593.005	Outer_Full	20	LV	-1.50	-0.0006	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
50	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	2593.005	Outer_Full	20	LV	2.70	0.0010	>=-2.5 & <=2.5	Pass
				HV	3.70	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	1.20	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	0.90	0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	2.80	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	2.70	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	2.20	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	0.90	0.0003	>=-2.5 & <=2.5	Pass
			30	NV	1.50	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
50	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	2593.005	Outer_Full	20	LV	1.90	0.0007	>=-2.5 & <=2.5	Pass
				HV	2.60	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-0.70	-0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	-1.20	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	2.00	0.0008	>=-2.5 & <=2.5	Pass
			0	NV	3.50	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	2.80	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-1.00	-0.0004	>=-2.5 & <=2.5	Pass
			30	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-0.50	-0.0002	>=-2.5 & <=2.5	Pass
50	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	2593.005	Outer_Full	20	LV	2.70	0.0010	>=-2.5 & <=2.5	Pass
				HV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	4.40	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	3.10	0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	4.70	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	4.80	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	4.20	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	3.60	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	1.70	0.0007	>=-2.5 & <=2.5	Pass
50	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	2593.005	Outer_Full	20	LV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass			



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		40	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
		50	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass

6.3 15k_SISO_20MHz

6.3.1 Test Result

5G NR n41 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	2593.005	Outer_Full	20	LV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-0.70	-0.0003	>=-2.5 & <=2.5	Pass
			50	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2593.005	Outer_Full	20	LV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2593.005	Outer_Full	20	LV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2593.005	Outer_Full	20	LV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass



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			40	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2593.005	Outer_Full	20	LV	3.50	0.0013	>=-2.5 & <=2.5	Pass
				HV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	5.10	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	5.80	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	2.70	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	3.10	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	3.40	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	3.10	0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2593.005	Outer_Full	20	LV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			50	NV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2593.005	Outer_Full	20	LV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-0.90	-0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0014	>=-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	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2593.005	Outer_Full	20	LV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2593.005	Outer_Full	20	LV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	0.80	0.0003	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	1.40	0.0005	>=-2.5 & <=2.5	Pass



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		30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
		40	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
		50	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass

6.4 15k_SISO_30MHz

6.4.1 Test Result

5G NR n41 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	2593.005	Outer_Full	20	LV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2593.005	Outer_Full	20	LV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2593.005	Outer_Full	20	LV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2593.005	Outer_Full	20	LV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass



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 0512-515735088 0512-515737010 www.sgs.com.cn
 0512-515735088 0512-515737010 sgs.china@sgs.com

			30	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2593.005	Outer_Full	20	LV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2593.005	Outer_Full	20	LV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			50	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2593.005	Outer_Full	20	LV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass
			50	NV	3.30	0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2593.005	Outer_Full	20	LV	4.30	0.0017	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	3.30	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	5.60	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	4.40	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	1.40	0.0005	>=-2.5 & <=2.5	Pass
			40	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass
			50	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2593.005	Outer_Full	20	LV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	4.00	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	1.10	0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass



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		20	NV	3.50	0.0013	>=-2.5 & <=2.5	Pass
		30	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
		40	NV	4.10	0.0016	>=-2.5 & <=2.5	Pass
		50	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass

6.5 15k_SISO_40MHz

6.5.1 Test Result

5G NR n41 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	2593.005	Outer_Full	20	LV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2593.005	Outer_Full	20	LV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2593.005	Outer_Full	20	LV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2593.005	Outer_Full	20	LV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass



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			20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2593.005	Outer_Full	20	LV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-1.80	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-0.90	-0.0003	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2593.005	Outer_Full	20	LV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2593.005	Outer_Full	20	LV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2593.005	Outer_Full	20	LV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2593.005	Outer_Full	20	LV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass



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		10	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
		20	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
		30	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
		40	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
		50	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass

6.6 15k_SISO_50MHz

6.6.1 Test Result

5G NR n41 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	2593.005	Outer_Full	20	LV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	1.30	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	3.60	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-0.80	-0.0003	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2593.005	Outer_Full	20	LV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-2.90	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2593.005	Outer_Full	20	LV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	2.60	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2593.005	Outer_Full	20	LV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass



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			10	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2593.005	Outer_Full	20	LV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2593.005	Outer_Full	20	LV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2593.005	Outer_Full	20	LV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2593.005	Outer_Full	20	LV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2593.005	Outer_Full	20	LV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass



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		0	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
		10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
		20	NV	4.20	0.0016	>=-2.5 & <=2.5	Pass
		30	NV	1.50	0.0006	>=-2.5 & <=2.5	Pass
		40	NV	5.10	0.0020	>=-2.5 & <=2.5	Pass
		50	NV	2.10	0.0008	>=-2.5 & <=2.5	Pass

6.7 30k_SISO_10MHz

6.7.1 Test Result

5G NR n41 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	2592.99	Outer_Full	20	LV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-12.80	-0.0049	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			40	NV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
				HV	-12.70	-0.0049	>=-2.5 & <=2.5	Pass
			-30	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-8.10	-0.0031	>=-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	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-10.90	-0.0042	>=-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	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留学院创业园伟业路18号 邮编 215300

0512-515735088 0512-515737010 www.sgs.com.cn

0512-515735088 0512-515737010 sgs.china@sgs.com

			0	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
	50	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass		
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
				HV	3.00	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	1.60	0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-0.50	-0.0002	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	3.60	0.0014	>=-2.5 & <=2.5	Pass
	50	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass		
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	2.10	0.0008	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
	50	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass		
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
	50	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass		
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass



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No. 10, Waiye Road, Innovation Park, Keshan, Jiangsu, China 215300
中国·江苏·昆山市留园学生创业园伟业路10号 邮编 215300

086-6125735688 086-6125737061 www.sgsygroup.com.cn
086-6125735688 086-6125737061 sgs.china@sgs.com

			-10	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass

6.8 30k_SISO_15MHz

6.8.1 Test Result

5G NR n41 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	2592.99	Outer_Full	20	LV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-11.80	-0.0046	>=-2.5 & <=2.5	Pass
			20	NV	-13.40	-0.0052	>=-2.5 & <=2.5	Pass
			30	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			40	NV	-11.90	-0.0046	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			-10	NV	-12.40	-0.0048	>=-2.5 & <=2.5	Pass
			0	NV	-11.50	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			20	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0032	>=-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	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-6.50	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			40	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留学院创业伟业路10号 邮编 215300

886-512157350888 886-512157370911 www.sgs.com.cn
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			-10	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-10.50	-0.0040	>=-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	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
			-30	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0038	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-1.40	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0007	>=-2.5 & <=2.5	Pass



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中国·江苏·昆山市留学院创业园伟业路18号 邮编 215300

0085-512157350000 0085-512157370011 www.sgs.com cn

0085-512157350000 0085-512157370011 sgs.china@sgs.com

			-20	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-2.20	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-2.30	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	2.40	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-2.00	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass

6.9 30k_SISO_20MHz

6.9.1 Test Result

5G NR n41 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	2592.99	Outer_Full	20	LV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-7.20	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-7.30	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-5.20	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-11.10	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-12.60	-0.0049	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-12.90	-0.0050	>=-2.5 & <=2.5	Pass
			40	NV	-12.30	-0.0047	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass



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			-20	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-13.80	-0.0053	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-10.10	-0.0039	>=-2.5 & <=2.5	Pass
			50	NV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-10.00	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-10.40	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-7.50	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-11.40	-0.0044	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-9.70	-0.0037	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-1.10	-0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-3.20	-0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass



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			-30	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass

6.10 30k_SISO_30MHz

6.10.1 Test Result

5G NR n41 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	2592.99	Outer_Full	20	LV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
			0	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			10	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-10.60	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0040	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0036	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	-5.90	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-9.60	-0.0037	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass



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