

LTE B48

1. Frequency Stability

1.1 B48_5MHz

1.1.1 Test Result

Band: 48 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3552.5	25	0	20	3.27	-1.044	-0.0003	-2.5 to 2.5	Pass
					3.85	2.604	0.0007	-2.5 to 2.5	Pass
					4.43	3.805	0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.931	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.146	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.388	0.0004	-2.5 to 2.5	Pass
				0	3.85	2.961	0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.388	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.645	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0003	-2.5 to 2.5	Pass
				50	3.85	1.860	0.0005	-2.5 to 2.5	Pass
	3625	25	0	20	3.27	3.777	0.0010	-2.5 to 2.5	Pass
					3.85	0.658	0.0002	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.947	0.0008	-2.5 to 2.5	Pass
				-10	3.85	3.405	0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				10	3.85	3.419	0.0009	-2.5 to 2.5	Pass
				30	3.85	2.332	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.245	0.0003	-2.5 to 2.5	Pass
				50	3.85	1.531	0.0004	-2.5 to 2.5	Pass
	3697.5	25	0	20	3.27	3.819	0.0010	-2.5 to 2.5	Pass
					3.85	1.931	0.0005	-2.5 to 2.5	Pass
					4.43	3.505	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.172	0.0000	-2.5 to 2.5	Pass
				-20	3.85	2.403	0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.160	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.917	0.0005	-2.5 to 2.5	Pass
				10	3.85	2.546	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0001	-2.5 to 2.5	Pass
				40	3.85	2.489	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.702	0.0005	-2.5 to 2.5	Pass
16QAM	3552.5	25	0	20	3.27	3.905	0.0011	-2.5 to 2.5	Pass
					3.85	3.433	0.0010	-2.5 to 2.5	Pass
					4.43	2.146	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.687	0.0002	-2.5 to 2.5	Pass
				-20	3.85	2.489	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.529	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.873	0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.874	-0.0005	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.273	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.359	-0.0004	-2.5 to 2.5	Pass
	3625	25	0	20	3.27	-0.200	-0.0001	-2.5 to 2.5	Pass
					3.85	1.917	0.0005	-2.5 to 2.5	Pass

					4.43	-0.672	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	2.818	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.961	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	2.589	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.358	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.672	-0.0002	-2.5 to 2.5	Pass
	3697.5	25	0	20	3.27	2.303	0.0006	-2.5 to 2.5	Pass
					3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
					4.43	2.217	0.0006	-2.5 to 2.5	Pass
				-30	3.85	4.449	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.887	0.0002	-2.5 to 2.5	Pass
				-10	3.85	2.933	0.0008	-2.5 to 2.5	Pass
				0	3.85	3.233	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				30	3.85	3.891	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.760	0.0005	-2.5 to 2.5	Pass
				50	3.85	3.262	0.0009	-2.5 to 2.5	Pass

1.2 B48_10MHz

1.2.1 Test Result

Band: 48 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3555	50	0	20	3.27	-3.333	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.172	0.0000	-2.5 to 2.5	Pass
					4.43	-1.345	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.973	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.030	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.458	0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.187	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.675	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-2.747	-0.0008	-2.5 to 2.5	Pass
	3625	50	0	20	3.27	-0.100	0.0000	-2.5 to 2.5	Pass
					3.85	2.189	0.0006	-2.5 to 2.5	Pass
					4.43	-2.775	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.129	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-4.377	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.116	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.787	0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.104	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.232	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.173	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.961	-0.0008	-2.5 to 2.5	Pass
	3695	50	0	20	3.27	1.287	0.0003	-2.5 to 2.5	Pass
					3.85	-1.531	-0.0004	-2.5 to 2.5	Pass
					4.43	0.973	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.001	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.189	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-2.003	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-2.131	-0.0006	-2.5 to 2.5	Pass

16QAM				10	3.85	1.130	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.602	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.386	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0001	-2.5 to 2.5	Pass
	3555	50	0	20	3.27	-0.257	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-3.147	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.119	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.429	0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.860	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.315	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.089	-0.0006	-2.5 to 2.5	Pass
				50	3.85	0.930	0.0003	-2.5 to 2.5	Pass
	3625	50	0	20	3.27	-0.658	-0.0002	-2.5 to 2.5	Pass
					3.85	0.315	0.0001	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.114	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.558	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.472	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.472	-0.0001	-2.5 to 2.5	Pass
				10	3.85	1.988	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.529	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.300	0.0001	-2.5 to 2.5	Pass
	3695	50	0	20	3.27	0.987	0.0003	-2.5 to 2.5	Pass
					3.85	-2.232	-0.0006	-2.5 to 2.5	Pass
					4.43	0.858	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.358	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.429	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.445	0.0004	-2.5 to 2.5	Pass
				10	3.85	-3.276	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.787	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.300	0.0001	-2.5 to 2.5	Pass
				50	3.85	2.003	0.0005	-2.5 to 2.5	Pass

1.3 B48_15MHz

1.3.1 Test Result

Band: 48 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3557.5	75	0	20	3.27	-1.216	-0.0003	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-4.106	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-3.419	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.718	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-3.018	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.931	-0.0005	-2.5 to 2.5	Pass
	3625	75	0	20	3.27	-3.548	-0.0010	-2.5 to 2.5	Pass

					3.85	-2.546	-0.0007	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.030	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.173	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.505	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-3.676	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-2.146	-0.0006	-2.5 to 2.5	Pass
	3692.5	75	0	20	3.27	0.129	0.0000	-2.5 to 2.5	Pass
					3.85	0.744	0.0002	-2.5 to 2.5	Pass
					4.43	1.073	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.804	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.303	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.802	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.202	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.890	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
16QAM	3557.5	75	0	20	3.27	-2.260	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.345	-0.0004	-2.5 to 2.5	Pass
					4.43	-4.449	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.373	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.963	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-4.520	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-3.576	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.204	-0.0009	-2.5 to 2.5	Pass
				30	3.85	1.559	0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.302	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-5.078	-0.0014	-2.5 to 2.5	Pass
	3625	75	0	20	3.27	-3.276	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0002	-2.5 to 2.5	Pass
					4.43	-5.994	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.117	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-4.363	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.701	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.748	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-3.505	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.675	-0.0007	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0001	-2.5 to 2.5	Pass
	3692.5	75	0	20	3.27	-1.845	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.472	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.372	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.544	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.844	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.858	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.143	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.758	-0.0002	-2.5 to 2.5	Pass

1.4 B48_20MHz

1.4.1 Test Result

Band: 48 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3560	100	0	20	3.27	0.257	0.0001	-2.5 to 2.5	Pass
					3.85	-1.030	-0.0003	-2.5 to 2.5	Pass
					4.43	-2.432	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.558	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-5.164	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.777	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-6.266	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-0.787	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-6.337	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-1.717	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.701	0.0002	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	-1.330	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.887	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.973	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.704	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.731	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-4.292	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.901	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.904	-0.0008	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	-0.830	-0.0002	-2.5 to 2.5	Pass
					3.85	0.930	0.0003	-2.5 to 2.5	Pass
					4.43	-1.788	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.060	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.347	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.544	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.675	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.216	-0.0003	-2.5 to 2.5	Pass
16QAM	3560	100	0	20	3.27	-2.017	-0.0006	-2.5 to 2.5	Pass
					3.85	-2.146	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.973	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.958	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-4.406	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.017	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.744	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-4.134	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-3.090	-0.0009	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	-2.961	-0.0008	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.633	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-4.292	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.260	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.246	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-4.535	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.615	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.044	0.0003	-2.5 to 2.5	Pass

				50	3.85	-1.459	-0.0004	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	-0.858	-0.0002	-2.5 to 2.5	Pass
					3.85	1.030	0.0003	-2.5 to 2.5	Pass
					4.43	-0.758	-0.0002	-2.5 to 2.5	Pass
					-30	3.85	0.529	0.0001	-2.5 to 2.5
				-20	3.85	-1.259	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.087	0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.104	-0.0008	-2.5 to 2.5	Pass
				10	3.85	0.114	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.758	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.289	-0.0006	-2.5 to 2.5	Pass
				50	3.85	0.386	0.0001	-2.5 to 2.5	Pass

5G NR N48

1. Frequency Stability

1.1 30k_SISO_10MHz

1.1.1 Test Result

5G NR n48 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 QPSK	3624.99	Outer_Full	20	LV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-10.30	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-16.60	-0.0046	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-10.20	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	3.60	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-10.60	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	12.00	0.0033	>=-2.5 & <=2.5	Pass
				HV	-12.90	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-13.70	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	9.40	0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	13.00	0.0036	>=-2.5 & <=2.5	Pass
			0	NV	-14.80	-0.0041	>=-2.5 & <=2.5	Pass
			10	NV	-9.90	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-10.50	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	6.60	0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	4.90	0.0014	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	8.40	0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	6.60	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-16.60	-0.0046	>=-2.5 & <=2.5	Pass
			30	NV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	10.00	0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-11.40	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-11.60	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-16.70	-0.0046	>=-2.5 & <=2.5	Pass
			10	NV	-7.10	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	16.10	0.0044	>=-2.5 & <=2.5	Pass
			40	NV	7.40	0.0020	>=-2.5 & <=2.5	Pass
			50	NV	7.20	0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-19.40	-0.0054	>=-2.5 & <=2.5	Pass
				HV	7.10	0.0020	>=-2.5 & <=2.5	Pass

			-30	NV	-4.30	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-5.60	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-11.20	-0.0031	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	3.80	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-9.70	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	7.80	0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-12.70	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.10	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-6.30	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-9.70	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	8.50	0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-12.60	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	5.20	0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-8.20	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.90	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-9.90	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	10.80	0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	9.00	0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.90	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	8.80	0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-10.20	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.10	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	11.90	0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-10.60	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	8.60	0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-9.70	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.30	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-14.90	-0.0041	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	8.30	0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-6.20	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	5.50	0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.10	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-6.40	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	11.20	0.0031	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	11.50	0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-5.50	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-8.00	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	13.40	0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.90	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	16.90	0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass

1.2 30k_SISO_20MHz

1.2.1 Test Result

5G NR n48 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 QPSK	3624.99	Outer_Full	20	LV	-21.10	-0.0058	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-16.40	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-16.30	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-20.90	-0.0058	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-17.70	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-27.30	-0.0075	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-17.00	-0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			20	NV	-13.60	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-10.90	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-13.80	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-17.00	-0.0047	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-19.50	-0.0054	≥ -2.5 & ≤ 2.5	Pass
				HV	-18.00	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-17.50	-0.0048	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-9.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-15.80	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-20.70	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-16.20	-0.0045	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-9.80	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-16.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-12.90	-0.0036	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-10.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass
				HV	-16.70	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-11.90	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-15.80	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-17.90	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.90	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-18.50	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-18.30	-0.0050	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-21.00	-0.0058	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-13.60	-0.0038	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-14.50	-0.0040	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.00	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-25.80	-0.0071	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-17.80	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.30	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-15.60	-0.0043	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-14.80	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-12.40	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-15.90	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-20.30	-0.0056	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-10.10	-0.0028	≥ -2.5 & ≤ 2.5	Pass
				HV	-13.00	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-16.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.50	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-18.90	-0.0052	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.10	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-10.20	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-12.70	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-14.80	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.30	-0.0026	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-18.00	-0.0050	≥ -2.5 & ≤ 2.5	Pass
				HV	-16.70	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-22.80	-0.0063	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-14.70	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-9.10	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-10.20	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-14.40	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-13.60	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-13.90	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-15.40	-0.0042	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-18.10	-0.0050	≥ -2.5 & ≤ 2.5	Pass

CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-13.10	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-13.60	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-16.70	-0.0046	>=-2.5 & <=2.5	Pass
			0	NV	-25.80	-0.0071	>=-2.5 & <=2.5	Pass
			10	NV	-17.00	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	-12.20	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-15.20	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-13.30	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-11.60	-0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-11.30	-0.0031	>=-2.5 & <=2.5	Pass
				HV	-14.30	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-11.60	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-20.00	-0.0055	>=-2.5 & <=2.5	Pass
			-10	NV	-17.20	-0.0047	>=-2.5 & <=2.5	Pass
			0	NV	-11.30	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-10.20	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-15.40	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-20.90	-0.0058	>=-2.5 & <=2.5	Pass
			50	NV	-13.20	-0.0036	>=-2.5 & <=2.5	Pass

1.3 30k_SISO_40MHz

1.3.1 Test Result

5G NR n48 SCS=30kHz SISO 40MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3624.99	Outer_Full	20	LV	-11.00	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-16.50	-0.0046	>=-2.5 & <=2.5	Pass
			-30	NV	-11.50	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-17.00	-0.0047	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-12.00	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-27.70	-0.0076	>=-2.5 & <=2.5	Pass
			30	NV	-15.10	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-12.70	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-21.20	-0.0058	>=-2.5 & <=2.5	Pass
				HV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-11.30	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-16.20	-0.0045	>=-2.5 & <=2.5	Pass
			10	NV	-17.30	-0.0048	>=-2.5 & <=2.5	Pass
			20	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-19.10	-0.0053	>=-2.5 & <=2.5	Pass
			50	NV	-11.70	-0.0032	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-15.30	-0.0042	>=-2.5 & <=2.5	Pass
				HV	-13.70	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-18.40	-0.0051	>=-2.5 & <=2.5	Pass
			-20	NV	-11.40	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass

			0	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-20.00	-0.0055	>=-2.5 & <=2.5	Pass
			40	NV	-14.10	-0.0039	>=-2.5 & <=2.5	Pass
			50	NV	-12.30	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3624.99	Outer_Full	20	LV	-21.40	-0.0059	>=-2.5 & <=2.5	Pass
				HV	-12.30	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-16.00	-0.0044	>=-2.5 & <=2.5	Pass
			-20	NV	-12.50	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	7.80	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-17.00	-0.0047	>=-2.5 & <=2.5	Pass
			20	NV	-20.60	-0.0057	>=-2.5 & <=2.5	Pass
			30	NV	-13.10	-0.0036	>=-2.5 & <=2.5	Pass
			40	NV	-3.20	-0.0009	>=-2.5 & <=2.5	Pass
50	NV	-13.20	-0.0036	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	3624.99	Outer_Full	20	LV	-12.10	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-17.30	-0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-9.80	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	6.50	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	5.30	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-15.40	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-8.60	-0.0024	>=-2.5 & <=2.5	Pass
50	NV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	3624.99	Outer_Full	20	LV	-12.10	-0.0033	>=-2.5 & <=2.5	Pass
				HV	17.50	0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	-12.60	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-8.00	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
50	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	3624.99	Outer_Full	20	LV	-14.20	-0.0039	>=-2.5 & <=2.5	Pass
				HV	-13.60	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-14.10	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-12.60	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-10.40	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-9.70	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-9.50	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-12.70	-0.0035	>=-2.5 & <=2.5	Pass
50	NV	-15.40	-0.0042	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	3624.99	Outer_Full	20	LV	12.00	0.0033	>=-2.5 & <=2.5	Pass
				HV	-11.60	-0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-12.90	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-12.60	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	9.50	0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-15.50	-0.0043	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0024	>=-2.5 & <=2.5	Pass
30	NV	-12.70	-0.0035	>=-2.5 & <=2.5	Pass			

			40	NV	-11.40	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-14.40	-0.0040	≥ -2.5 & ≤ 2.5	Pass

UL 48C - LTE

Frequency Stability

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	VH	NT	54.20	0.028982	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	VL	NT	46.10	0.024651	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	VN	NT	42.50	0.022726	PASS
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	NV	50	19.20	0.010267	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	NV	40	20.60	0.011015	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	NV	30	43.00	0.022993	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	NV	20	26.70	0.014277	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	NV	10	29.60	0.015828	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	NV	0	30.40	0.016256	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	NV	-10	46.30	0.024758	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	NV	-20	34.00	0.018181	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	M	100RB#0- 100RB#0	NV	-30	41.80	0.022352	PASS