

	1745	50	0	40	12	-0.658	-0.0004	-2.5 to 2.5	Pass
				50	12	3.648	0.0021	-2.5 to 2.5	Pass
				20	10.8	3.290	0.0019	-2.5 to 2.5	Pass
					12	2.360	0.0014	-2.5 to 2.5	Pass
					13.2	2.017	0.0012	-2.5 to 2.5	Pass
				-30	12	5.221	0.0030	-2.5 to 2.5	Pass
				-20	12	3.104	0.0018	-2.5 to 2.5	Pass
				-10	12	1.674	0.0010	-2.5 to 2.5	Pass
				0	12	2.933	0.0017	-2.5 to 2.5	Pass
				10	12	0.429	0.0002	-2.5 to 2.5	Pass
				30	12	5.336	0.0031	-2.5 to 2.5	Pass
				40	12	4.334	0.0025	-2.5 to 2.5	Pass
				50	12	2.260	0.0013	-2.5 to 2.5	Pass
	1775	50	0	20	10.8	-3.963	-0.0022	-2.5 to 2.5	Pass
					12	1.917	0.0011	-2.5 to 2.5	Pass
					13.2	4.978	0.0028	-2.5 to 2.5	Pass
				-30	12	4.478	0.0025	-2.5 to 2.5	Pass
				-20	12	-4.249	-0.0024	-2.5 to 2.5	Pass
				-10	12	4.621	0.0026	-2.5 to 2.5	Pass
				0	12	0.029	0.0000	-2.5 to 2.5	Pass
				10	12	3.061	0.0017	-2.5 to 2.5	Pass
				30	12	4.263	0.0024	-2.5 to 2.5	Pass
				40	12	2.246	0.0013	-2.5 to 2.5	Pass
				50	12	5.221	0.0029	-2.5 to 2.5	Pass
256QAM	1715	50	0	20	10.8	2.089	0.0012	-2.5 to 2.5	Pass
					12	0.801	0.0005	-2.5 to 2.5	Pass
					13.2	3.304	0.0019	-2.5 to 2.5	Pass
				-30	12	3.161	0.0018	-2.5 to 2.5	Pass
				-20	12	3.104	0.0018	-2.5 to 2.5	Pass
				-10	12	0.615	0.0004	-2.5 to 2.5	Pass
				0	12	2.003	0.0012	-2.5 to 2.5	Pass
				10	12	2.446	0.0014	-2.5 to 2.5	Pass
				30	12	2.646	0.0015	-2.5 to 2.5	Pass
				40	12	1.416	0.0008	-2.5 to 2.5	Pass
				50	12	2.747	0.0016	-2.5 to 2.5	Pass
	1745	50	0	20	10.8	4.234	0.0024	-2.5 to 2.5	Pass
					12	4.892	0.0028	-2.5 to 2.5	Pass
					13.2	3.633	0.0021	-2.5 to 2.5	Pass
				-30	12	5.221	0.0030	-2.5 to 2.5	Pass
				-20	12	0.300	0.0002	-2.5 to 2.5	Pass
				-10	12	1.459	0.0008	-2.5 to 2.5	Pass
				0	12	-0.272	-0.0002	-2.5 to 2.5	Pass
				10	12	3.190	0.0018	-2.5 to 2.5	Pass
				30	12	-0.257	-0.0001	-2.5 to 2.5	Pass
				40	12	3.247	0.0019	-2.5 to 2.5	Pass
				50	12	1.588	0.0009	-2.5 to 2.5	Pass
	1775	50	0	20	10.8	1.445	0.0008	-2.5 to 2.5	Pass
					12	8.669	0.0049	-2.5 to 2.5	Pass
					13.2	6.294	0.0035	-2.5 to 2.5	Pass
				-30	12	1.559	0.0009	-2.5 to 2.5	Pass
				-20	12	5.622	0.0032	-2.5 to 2.5	Pass
				-10	12	4.463	0.0025	-2.5 to 2.5	Pass
				0	12	5.093	0.0029	-2.5 to 2.5	Pass
				10	12	3.805	0.0021	-2.5 to 2.5	Pass



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			30	12	4.978	0.0028	-2.5 to 2.5	Pass
			40	12	5.307	0.0030	-2.5 to 2.5	Pass
			50	12	3.433	0.0019	-2.5 to 2.5	Pass

13.5 B66_15MHz

13.5.1 Test Result

Band: 66 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	10.8	0.215	0.0001	-2.5 to 2.5	Pass
					12	-0.072	0.0000	-2.5 to 2.5	Pass
					13.2	-4.849	-0.0028	-2.5 to 2.5	Pass
				-30	12	-2.246	-0.0013	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	12	-0.944	-0.0005	-2.5 to 2.5	Pass
				0	12	-3.018	-0.0018	-2.5 to 2.5	Pass
				10	12	-2.532	-0.0015	-2.5 to 2.5	Pass
				30	12	-3.433	-0.0020	-2.5 to 2.5	Pass
				40	12	-0.458	-0.0003	-2.5 to 2.5	Pass
				50	12	1.760	0.0010	-2.5 to 2.5	Pass
	1745	75	0	20	10.8	0.901	0.0005	-2.5 to 2.5	Pass
					12	-0.687	-0.0004	-2.5 to 2.5	Pass
					13.2	-0.958	-0.0005	-2.5 to 2.5	Pass
				-30	12	1.817	0.0010	-2.5 to 2.5	Pass
				-20	12	-2.818	-0.0016	-2.5 to 2.5	Pass
				-10	12	0.114	0.0001	-2.5 to 2.5	Pass
				0	12	1.087	0.0006	-2.5 to 2.5	Pass
				10	12	0.529	0.0003	-2.5 to 2.5	Pass
				30	12	0.887	0.0005	-2.5 to 2.5	Pass
				40	12	-0.715	-0.0004	-2.5 to 2.5	Pass
				50	12	-2.160	-0.0012	-2.5 to 2.5	Pass
	1772.5	75	0	20	10.8	0.529	0.0003	-2.5 to 2.5	Pass
					12	-3.176	-0.0018	-2.5 to 2.5	Pass
					13.2	0.143	0.0001	-2.5 to 2.5	Pass
				-30	12	2.904	0.0016	-2.5 to 2.5	Pass
				-20	12	-0.701	-0.0004	-2.5 to 2.5	Pass
				-10	12	-0.486	-0.0003	-2.5 to 2.5	Pass
				0	12	1.001	0.0006	-2.5 to 2.5	Pass
				10	12	0.715	0.0004	-2.5 to 2.5	Pass
				30	12	1.788	0.0010	-2.5 to 2.5	Pass
				40	12	-0.215	-0.0001	-2.5 to 2.5	Pass
				50	12	-0.200	-0.0001	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	10.8	2.303	0.0013	-2.5 to 2.5	Pass
					12	3.204	0.0019	-2.5 to 2.5	Pass
					13.2	0.916	0.0005	-2.5 to 2.5	Pass
				-30	12	2.661	0.0015	-2.5 to 2.5	Pass
				-20	12	2.489	0.0014	-2.5 to 2.5	Pass
				-10	12	1.616	0.0009	-2.5 to 2.5	Pass
				0	12	3.734	0.0022	-2.5 to 2.5	Pass
				10	12	1.359	0.0008	-2.5 to 2.5	Pass



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64QAM	1745	75	0	30	12	1.402	0.0008	-2.5 to 2.5	Pass
				40	12	2.661	0.0015	-2.5 to 2.5	Pass
				50	12	2.289	0.0013	-2.5 to 2.5	Pass
				20	10.8	0.358	0.0002	-2.5 to 2.5	Pass
					12	-0.386	-0.0002	-2.5 to 2.5	Pass
					13.2	-2.246	-0.0013	-2.5 to 2.5	Pass
				-30	12	1.945	0.0011	-2.5 to 2.5	Pass
				-20	12	-0.443	-0.0003	-2.5 to 2.5	Pass
				-10	12	1.917	0.0011	-2.5 to 2.5	Pass
				0	12	1.245	0.0007	-2.5 to 2.5	Pass
				10	12	-2.389	-0.0014	-2.5 to 2.5	Pass
				30	12	2.217	0.0013	-2.5 to 2.5	Pass
				40	12	-0.930	-0.0005	-2.5 to 2.5	Pass
				50	12	0.958	0.0005	-2.5 to 2.5	Pass
	1772.5	75	0	20	10.8	0.086	0.0000	-2.5 to 2.5	Pass
					12	-0.987	-0.0006	-2.5 to 2.5	Pass
					13.2	0.901	0.0005	-2.5 to 2.5	Pass
				-30	12	-3.848	-0.0022	-2.5 to 2.5	Pass
				-20	12	0.930	0.0005	-2.5 to 2.5	Pass
				-10	12	-1.645	-0.0009	-2.5 to 2.5	Pass
				0	12	-0.300	-0.0002	-2.5 to 2.5	Pass
				10	12	-1.273	-0.0007	-2.5 to 2.5	Pass
				30	12	-0.114	-0.0001	-2.5 to 2.5	Pass
				40	12	-1.016	-0.0006	-2.5 to 2.5	Pass
				50	12	-2.060	-0.0012	-2.5 to 2.5	Pass
	1717.5	75	0	20	10.8	-0.300	-0.0002	-2.5 to 2.5	Pass
					12	1.287	0.0007	-2.5 to 2.5	Pass
					13.2	1.931	0.0011	-2.5 to 2.5	Pass
				-30	12	0.186	0.0001	-2.5 to 2.5	Pass
				-20	12	1.702	0.0010	-2.5 to 2.5	Pass
				-10	12	4.935	0.0029	-2.5 to 2.5	Pass
				0	12	6.552	0.0038	-2.5 to 2.5	Pass
				10	12	0.429	0.0002	-2.5 to 2.5	Pass
				30	12	4.749	0.0028	-2.5 to 2.5	Pass
				40	12	2.403	0.0014	-2.5 to 2.5	Pass
				50	12	3.490	0.0020	-2.5 to 2.5	Pass
	1745	75	0	20	10.8	-1.159	-0.0007	-2.5 to 2.5	Pass
					12	2.232	0.0013	-2.5 to 2.5	Pass
					13.2	0.587	0.0003	-2.5 to 2.5	Pass
				-30	12	3.533	0.0020	-2.5 to 2.5	Pass
				-20	12	2.947	0.0017	-2.5 to 2.5	Pass
				-10	12	-0.658	-0.0004	-2.5 to 2.5	Pass
				0	12	1.287	0.0007	-2.5 to 2.5	Pass
				10	12	5.779	0.0033	-2.5 to 2.5	Pass
				30	12	2.847	0.0016	-2.5 to 2.5	Pass
				40	12	3.862	0.0022	-2.5 to 2.5	Pass
				50	12	2.761	0.0016	-2.5 to 2.5	Pass
	1772.5	75	0	20	10.8	-1.216	-0.0007	-2.5 to 2.5	Pass
					12	-1.259	-0.0007	-2.5 to 2.5	Pass
					13.2	1.717	0.0010	-2.5 to 2.5	Pass
				-30	12	2.532	0.0014	-2.5 to 2.5	Pass
				-20	12	1.903	0.0011	-2.5 to 2.5	Pass
				-10	12	1.159	0.0007	-2.5 to 2.5	Pass
				0	12	2.975	0.0017	-2.5 to 2.5	Pass



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				10	12	1.087	0.0006	-2.5 to 2.5	Pass
				30	12	1.903	0.0011	-2.5 to 2.5	Pass
				40	12	0.715	0.0004	-2.5 to 2.5	Pass
				50	12	1.130	0.0006	-2.5 to 2.5	Pass
256QAM	1717.5	75	0	20	10.8	2.661	0.0015	-2.5 to 2.5	Pass
					12	1.202	0.0007	-2.5 to 2.5	Pass
					13.2	3.862	0.0022	-2.5 to 2.5	Pass
				-30	12	4.706	0.0027	-2.5 to 2.5	Pass
				-20	12	2.031	0.0012	-2.5 to 2.5	Pass
				-10	12	3.648	0.0021	-2.5 to 2.5	Pass
				0	12	4.578	0.0027	-2.5 to 2.5	Pass
				10	12	5.364	0.0031	-2.5 to 2.5	Pass
				30	12	2.260	0.0013	-2.5 to 2.5	Pass
				40	12	3.848	0.0022	-2.5 to 2.5	Pass
	1745	75	0	50	12	2.918	0.0017	-2.5 to 2.5	Pass
				20	10.8	5.937	0.0034	-2.5 to 2.5	Pass
					12	1.416	0.0008	-2.5 to 2.5	Pass
					13.2	-0.615	-0.0004	-2.5 to 2.5	Pass
				-30	12	-1.359	-0.0008	-2.5 to 2.5	Pass
				-20	12	3.004	0.0017	-2.5 to 2.5	Pass
				-10	12	2.060	0.0012	-2.5 to 2.5	Pass
				0	12	-1.101	-0.0006	-2.5 to 2.5	Pass
				10	12	2.961	0.0017	-2.5 to 2.5	Pass
				30	12	0.186	0.0001	-2.5 to 2.5	Pass
				40	12	2.246	0.0013	-2.5 to 2.5	Pass
	1772.5	75	0	50	12	2.704	0.0015	-2.5 to 2.5	Pass
				20	10.8	0.758	0.0004	-2.5 to 2.5	Pass
					12	-1.760	-0.0010	-2.5 to 2.5	Pass
					13.2	0.100	0.0001	-2.5 to 2.5	Pass
				-30	12	0.587	0.0003	-2.5 to 2.5	Pass
				-20	12	1.774	0.0010	-2.5 to 2.5	Pass
				-10	12	2.174	0.0012	-2.5 to 2.5	Pass
				0	12	1.860	0.0010	-2.5 to 2.5	Pass
				10	12	0.787	0.0004	-2.5 to 2.5	Pass
				30	12	0.401	0.0002	-2.5 to 2.5	Pass
				40	12	0.401	0.0002	-2.5 to 2.5	Pass
				50	12	1.144	0.0006	-2.5 to 2.5	Pass

13.6 B66_20MHz

13.6.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	10.8	-4.134	-0.0024	-2.5 to 2.5	Pass
					12	-2.160	-0.0013	-2.5 to 2.5	Pass
					13.2	-1.945	-0.0011	-2.5 to 2.5	Pass
				-30	12	-1.473	-0.0009	-2.5 to 2.5	Pass
				-20	12	-6.251	-0.0036	-2.5 to 2.5	Pass
				-10	12	-4.034	-0.0023	-2.5 to 2.5	Pass
				0	12	-5.078	-0.0030	-2.5 to 2.5	Pass



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16QAM				10	12	0.844	0.0005	-2.5 to 2.5	Pass
				30	12	-0.873	-0.0005	-2.5 to 2.5	Pass
				40	12	-2.861	-0.0017	-2.5 to 2.5	Pass
				50	12	-1.588	-0.0009	-2.5 to 2.5	Pass
	1745	100	0	20	10.8	3.691	0.0021	-2.5 to 2.5	Pass
					12	-0.243	-0.0001	-2.5 to 2.5	Pass
					13.2	2.604	0.0015	-2.5 to 2.5	Pass
				-30	12	1.101	0.0006	-2.5 to 2.5	Pass
				-20	12	0.672	0.0004	-2.5 to 2.5	Pass
				-10	12	6.208	0.0036	-2.5 to 2.5	Pass
				0	12	7.167	0.0041	-2.5 to 2.5	Pass
				10	12	7.911	0.0045	-2.5 to 2.5	Pass
				30	12	4.892	0.0028	-2.5 to 2.5	Pass
				40	12	3.448	0.0020	-2.5 to 2.5	Pass
				50	12	6.881	0.0039	-2.5 to 2.5	Pass
	1770	100	0	20	10.8	0.887	0.0005	-2.5 to 2.5	Pass
					12	-2.961	-0.0017	-2.5 to 2.5	Pass
					13.2	-1.702	-0.0010	-2.5 to 2.5	Pass
				-30	12	-0.472	-0.0003	-2.5 to 2.5	Pass
				-20	12	-2.375	-0.0013	-2.5 to 2.5	Pass
				-10	12	0.186	0.0001	-2.5 to 2.5	Pass
				0	12	-1.001	-0.0006	-2.5 to 2.5	Pass
				10	12	-1.845	-0.0010	-2.5 to 2.5	Pass
				30	12	-2.503	-0.0014	-2.5 to 2.5	Pass
				40	12	-2.990	-0.0017	-2.5 to 2.5	Pass
				50	12	-3.748	-0.0021	-2.5 to 2.5	Pass
	1720	100	0	20	10.8	-3.319	-0.0019	-2.5 to 2.5	Pass
					12	-2.890	-0.0017	-2.5 to 2.5	Pass
					13.2	-2.074	-0.0012	-2.5 to 2.5	Pass
				-30	12	-4.277	-0.0025	-2.5 to 2.5	Pass
				-20	12	-3.319	-0.0019	-2.5 to 2.5	Pass
				-10	12	-4.334	-0.0025	-2.5 to 2.5	Pass
				0	12	-3.676	-0.0021	-2.5 to 2.5	Pass
				10	12	-1.688	-0.0010	-2.5 to 2.5	Pass
				30	12	-2.446	-0.0014	-2.5 to 2.5	Pass
				40	12	-2.518	-0.0015	-2.5 to 2.5	Pass
				50	12	1.888	0.0011	-2.5 to 2.5	Pass
	1745	100	0	20	10.8	1.659	0.0010	-2.5 to 2.5	Pass
					12	1.745	0.0010	-2.5 to 2.5	Pass
					13.2	2.704	0.0015	-2.5 to 2.5	Pass
				-30	12	1.502	0.0009	-2.5 to 2.5	Pass
				-20	12	5.622	0.0032	-2.5 to 2.5	Pass
				-10	12	6.251	0.0036	-2.5 to 2.5	Pass
				0	12	4.392	0.0025	-2.5 to 2.5	Pass
				10	12	3.304	0.0019	-2.5 to 2.5	Pass
				30	12	0.200	0.0001	-2.5 to 2.5	Pass
				40	12	2.561	0.0015	-2.5 to 2.5	Pass
				50	12	4.549	0.0026	-2.5 to 2.5	Pass
	1770	100	0	20	10.8	-2.646	-0.0015	-2.5 to 2.5	Pass
					12	-2.031	-0.0011	-2.5 to 2.5	Pass
					13.2	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	12	-0.873	-0.0005	-2.5 to 2.5	Pass
				-20	12	0.758	0.0004	-2.5 to 2.5	Pass
				-10	12	-0.515	-0.0003	-2.5 to 2.5	Pass



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				0	12	-1.760	-0.0010	-2.5 to 2.5	Pass
				10	12	-4.692	-0.0027	-2.5 to 2.5	Pass
				30	12	1.016	0.0006	-2.5 to 2.5	Pass
				40	12	-2.375	-0.0013	-2.5 to 2.5	Pass
				50	12	-1.760	-0.0010	-2.5 to 2.5	Pass
64QAM	1720	100	0	20	10.8	-2.317	-0.0013	-2.5 to 2.5	Pass
					12	-0.644	-0.0004	-2.5 to 2.5	Pass
					13.2	-5.064	-0.0029	-2.5 to 2.5	Pass
				-30	12	-1.230	-0.0007	-2.5 to 2.5	Pass
				-20	12	-1.917	-0.0011	-2.5 to 2.5	Pass
				-10	12	-5.951	-0.0035	-2.5 to 2.5	Pass
				0	12	-0.801	-0.0005	-2.5 to 2.5	Pass
				10	12	-1.173	-0.0007	-2.5 to 2.5	Pass
				30	12	-3.605	-0.0021	-2.5 to 2.5	Pass
				40	12	-3.591	-0.0021	-2.5 to 2.5	Pass
				50	12	-0.472	-0.0003	-2.5 to 2.5	Pass
				1745	100	0	20	10.8	0.415
	12	3.791	0.0022					-2.5 to 2.5	Pass
	13.2	3.047	0.0017					-2.5 to 2.5	Pass
	-30	12	6.666				0.0038	-2.5 to 2.5	Pass
	-20	12	2.275				0.0013	-2.5 to 2.5	Pass
	-10	12	3.562				0.0020	-2.5 to 2.5	Pass
	0	12	0.958				0.0005	-2.5 to 2.5	Pass
	10	12	2.661				0.0015	-2.5 to 2.5	Pass
	30	12	5.579				0.0032	-2.5 to 2.5	Pass
	40	12	10.86				0.0019	-2.5 to 2.5	Pass
	50	12	3.390				0.0019	-2.5 to 2.5	Pass
	1770	100	0				20	10.8	-3.304
				12	-0.515	-0.0003		-2.5 to 2.5	Pass
				13.2	0.544	0.0003		-2.5 to 2.5	Pass
				-30	12	-1.588	-0.0009	-2.5 to 2.5	Pass
				-20	12	-2.947	-0.0017	-2.5 to 2.5	Pass
				-10	12	-2.060	-0.0012	-2.5 to 2.5	Pass
				0	12	-4.578	-0.0026	-2.5 to 2.5	Pass
				10	12	-2.174	-0.0012	-2.5 to 2.5	Pass
30				12	-4.992	-0.0028	-2.5 to 2.5	Pass	
40				12	-3.262	-0.0018	-2.5 to 2.5	Pass	
50				12	-3.362	-0.0019	-2.5 to 2.5	Pass	
256QAM				1720	100	0	20	10.8	-3.104
	12	-4.621	-0.0027					-2.5 to 2.5	Pass
	13.2	0.458	0.0003					-2.5 to 2.5	Pass
	-30	12	-1.545				-0.0009	-2.5 to 2.5	Pass
	-20	12	-3.147				-0.0018	-2.5 to 2.5	Pass
	-10	12	-1.888				-0.0011	-2.5 to 2.5	Pass
	0	12	-1.702				-0.0010	-2.5 to 2.5	Pass
	10	12	-5.279				-0.0031	-2.5 to 2.5	Pass
	30	12	-2.217				-0.0013	-2.5 to 2.5	Pass
	40	12	-2.017				-0.0012	-2.5 to 2.5	Pass
	50	12	-2.174				-0.0013	-2.5 to 2.5	Pass
	1745	100	0				20	10.8	2.346
				12	2.174	0.0012		-2.5 to 2.5	Pass
				13.2	4.992	0.0029		-2.5 to 2.5	Pass
				-30	12	1.316	0.0008	-2.5 to 2.5	Pass
				-20	12	5.879	0.0034	-2.5 to 2.5	Pass



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				-10	12	2.289	0.0013	-2.5 to 2.5	Pass
				0	12	8.054	0.0046	-2.5 to 2.5	Pass
				10	12	3.047	0.0017	-2.5 to 2.5	Pass
				30	12	2.890	0.0017	-2.5 to 2.5	Pass
				40	12	4.907	0.0028	-2.5 to 2.5	Pass
				50	12	3.734	0.0021	-2.5 to 2.5	Pass
	1770	100	0	20	10.8	-1.116	-0.0006	-2.5 to 2.5	Pass
					12	-1.059	-0.0006	-2.5 to 2.5	Pass
					13.2	-1.044	-0.0006	-2.5 to 2.5	Pass
				-30	12	-0.601	-0.0003	-2.5 to 2.5	Pass
				-20	12	-1.817	-0.0010	-2.5 to 2.5	Pass
				-10	12	-0.014	0.0000	-2.5 to 2.5	Pass
				0	12	0.315	0.0002	-2.5 to 2.5	Pass
				10	12	-0.501	-0.0003	-2.5 to 2.5	Pass
				30	12	-2.489	-0.0014	-2.5 to 2.5	Pass
				40	12	-0.014	0.0000	-2.5 to 2.5	Pass
				50	12	-3.505	-0.0020	-2.5 to 2.5	Pass



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6. Frequency Stability

6.1 B26a_1.4MHz

6.1.1 Test Result

Band: 26a / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	814.7	6	0	20	10.8	0.687	0.0008	-2.5 to 2.5	Pass
					12	-3.133	-0.0038	-2.5 to 2.5	Pass
					13.2	-2.933	-0.0036	-2.5 to 2.5	Pass
				-30	12	0.973	0.0012	-2.5 to 2.5	Pass
				-20	12	-0.815	-0.0010	-2.5 to 2.5	Pass
				-10	12	0.072	0.0001	-2.5 to 2.5	Pass
				0	12	-2.289	-0.0028	-2.5 to 2.5	Pass
				10	12	-0.458	-0.0006	-2.5 to 2.5	Pass
				30	12	-0.844	-0.0010	-2.5 to 2.5	Pass
				40	12	-1.760	-0.0022	-2.5 to 2.5	Pass
				50	12	-2.046	-0.0025	-2.5 to 2.5	Pass
	819	6	0	20	10.8	1.745	0.0021	-2.5 to 2.5	Pass
					12	-3.176	-0.0039	-2.5 to 2.5	Pass
					13.2	-2.360	-0.0029	-2.5 to 2.5	Pass
				-30	12	-2.003	-0.0024	-2.5 to 2.5	Pass
				-20	12	0.472	0.0006	-2.5 to 2.5	Pass
				-10	12	-3.433	-0.0042	-2.5 to 2.5	Pass
				0	12	-3.190	-0.0039	-2.5 to 2.5	Pass
				10	12	0.701	0.0009	-2.5 to 2.5	Pass
				30	12	-2.718	-0.0033	-2.5 to 2.5	Pass
				40	12	-3.619	-0.0044	-2.5 to 2.5	Pass
				50	12	-2.289	-0.0028	-2.5 to 2.5	Pass
	823.3	6	0	20	10.8	-1.588	-0.0019	-2.5 to 2.5	Pass
					12	-2.861	-0.0035	-2.5 to 2.5	Pass
					13.2	-1.302	-0.0016	-2.5 to 2.5	Pass
				-30	12	-1.473	-0.0018	-2.5 to 2.5	Pass
				-20	12	1.402	0.0017	-2.5 to 2.5	Pass
				-10	12	-3.119	-0.0038	-2.5 to 2.5	Pass
				0	12	-1.388	-0.0017	-2.5 to 2.5	Pass
				10	12	0.572	0.0007	-2.5 to 2.5	Pass
				30	12	-1.073	-0.0013	-2.5 to 2.5	Pass
				40	12	-1.917	-0.0023	-2.5 to 2.5	Pass
				50	12	-1.087	-0.0013	-2.5 to 2.5	Pass
16QAM	814.7	6	0	20	10.8	-2.074	-0.0025	-2.5 to 2.5	Pass
					12	-2.561	-0.0031	-2.5 to 2.5	Pass
					13.2	0.858	0.0011	-2.5 to 2.5	Pass
				-30	12	0.658	0.0008	-2.5 to 2.5	Pass
				-20	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				-10	12	-0.973	-0.0012	-2.5 to 2.5	Pass
				0	12	-1.845	-0.0023	-2.5 to 2.5	Pass
				10	12	-3.262	-0.0040	-2.5 to 2.5	Pass
				30	12	-0.243	-0.0003	-2.5 to 2.5	Pass
				40	12	-0.801	-0.0010	-2.5 to 2.5	Pass



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	819	6	0	50	12	2.046	0.0025	-2.5 to 2.5	Pass
				20	10.8	-3.033	-0.0037	-2.5 to 2.5	Pass
					12	-1.917	-0.0023	-2.5 to 2.5	Pass
					13.2	-3.004	-0.0037	-2.5 to 2.5	Pass
				-30	12	-2.947	-0.0036	-2.5 to 2.5	Pass
				-20	12	-0.300	-0.0004	-2.5 to 2.5	Pass
				-10	12	-1.230	-0.0015	-2.5 to 2.5	Pass
				0	12	-3.719	-0.0045	-2.5 to 2.5	Pass
				10	12	-3.233	-0.0039	-2.5 to 2.5	Pass
				30	12	-0.472	-0.0006	-2.5 to 2.5	Pass
	823.3	6	0	40	12	-1.674	-0.0020	-2.5 to 2.5	Pass
				50	12	-3.448	-0.0042	-2.5 to 2.5	Pass
				20	10.8	1.659	0.0020	-2.5 to 2.5	Pass
					12	-0.672	-0.0008	-2.5 to 2.5	Pass
					13.2	-1.903	-0.0023	-2.5 to 2.5	Pass
				-30	12	0.758	0.0009	-2.5 to 2.5	Pass
				-20	12	-1.960	-0.0024	-2.5 to 2.5	Pass
				-10	12	-1.531	-0.0019	-2.5 to 2.5	Pass
				0	12	-3.562	-0.0043	-2.5 to 2.5	Pass
				10	12	1.345	0.0016	-2.5 to 2.5	Pass
64QAM	814.7	6	0	30	12	-2.360	-0.0029	-2.5 to 2.5	Pass
				40	12	-1.631	-0.0020	-2.5 to 2.5	Pass
				50	12	1.087	0.0013	-2.5 to 2.5	Pass
				20	10.8	-1.287	-0.0016	-2.5 to 2.5	Pass
					12	-2.489	-0.0031	-2.5 to 2.5	Pass
					13.2	-2.475	-0.0030	-2.5 to 2.5	Pass
				-30	12	-2.146	-0.0026	-2.5 to 2.5	Pass
				-20	12	-1.216	-0.0015	-2.5 to 2.5	Pass
				-10	12	-3.061	-0.0038	-2.5 to 2.5	Pass
				0	12	1.416	0.0017	-2.5 to 2.5	Pass
	819	6	0	10	12	2.217	0.0027	-2.5 to 2.5	Pass
				30	12	1.030	0.0013	-2.5 to 2.5	Pass
				40	12	0.315	0.0004	-2.5 to 2.5	Pass
				50	12	-2.460	-0.0030	-2.5 to 2.5	Pass
				20	10.8	-4.406	-0.0054	-2.5 to 2.5	Pass
					12	-3.233	-0.0039	-2.5 to 2.5	Pass
					13.2	-2.260	-0.0028	-2.5 to 2.5	Pass
				-30	12	0.315	0.0004	-2.5 to 2.5	Pass
				-20	12	0.544	0.0007	-2.5 to 2.5	Pass
				-10	12	-2.890	-0.0035	-2.5 to 2.5	Pass
	823.3	6	0	0	12	-5.293	-0.0065	-2.5 to 2.5	Pass
				10	12	-2.503	-0.0031	-2.5 to 2.5	Pass
				30	12	-4.478	-0.0055	-2.5 to 2.5	Pass
				40	12	-3.862	-0.0047	-2.5 to 2.5	Pass
				50	12	-2.418	-0.0030	-2.5 to 2.5	Pass
				20	10.8	-1.974	-0.0024	-2.5 to 2.5	Pass
					12	-4.635	-0.0056	-2.5 to 2.5	Pass
					13.2	0.801	0.0010	-2.5 to 2.5	Pass
				-30	12	0.129	0.0002	-2.5 to 2.5	Pass
				-20	12	-2.990	-0.0036	-2.5 to 2.5	Pass
				-10	12	-2.360	-0.0029	-2.5 to 2.5	Pass
				0	12	-1.116	-0.0014	-2.5 to 2.5	Pass
				10	12	0.644	0.0008	-2.5 to 2.5	Pass
				30	12	-3.777	-0.0046	-2.5 to 2.5	Pass



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256QAM	814.7	6	0	40	12	-2.975	-0.0036	-2.5 to 2.5	Pass
				50	12	0.129	0.0002	-2.5 to 2.5	Pass
				20	10.8	-2.775	-0.0034	-2.5 to 2.5	Pass
					12	1.802	0.0022	-2.5 to 2.5	Pass
					13.2	-1.373	-0.0017	-2.5 to 2.5	Pass
				-30	12	-1.574	-0.0019	-2.5 to 2.5	Pass
				-20	12	2.460	0.0030	-2.5 to 2.5	Pass
				-10	12	-0.372	-0.0005	-2.5 to 2.5	Pass
				0	12	0.243	0.0003	-2.5 to 2.5	Pass
				10	12	1.688	0.0021	-2.5 to 2.5	Pass
	819	6	0	30	12	-2.160	-0.0027	-2.5 to 2.5	Pass
				40	12	-1.044	-0.0013	-2.5 to 2.5	Pass
				50	12	-2.017	-0.0025	-2.5 to 2.5	Pass
				20	10.8	-1.502	-0.0018	-2.5 to 2.5	Pass
					12	-3.362	-0.0041	-2.5 to 2.5	Pass
					13.2	-3.691	-0.0045	-2.5 to 2.5	Pass
				-30	12	-3.891	-0.0048	-2.5 to 2.5	Pass
				-20	12	-2.618	-0.0032	-2.5 to 2.5	Pass
				-10	12	-2.718	-0.0033	-2.5 to 2.5	Pass
				0	12	-3.605	-0.0044	-2.5 to 2.5	Pass
	823.3	6	0	10	12	-2.174	-0.0027	-2.5 to 2.5	Pass
				30	12	-2.403	-0.0029	-2.5 to 2.5	Pass
				40	12	-1.116	-0.0014	-2.5 to 2.5	Pass
				50	12	-0.830	-0.0010	-2.5 to 2.5	Pass
				20	10.8	0.987	0.0012	-2.5 to 2.5	Pass
					12	1.631	0.0020	-2.5 to 2.5	Pass
					13.2	-2.489	-0.0030	-2.5 to 2.5	Pass
				-30	12	-1.130	-0.0014	-2.5 to 2.5	Pass
				-20	12	1.216	0.0015	-2.5 to 2.5	Pass
				-10	12	0.587	0.0007	-2.5 to 2.5	Pass

6.2 B26a_3MHz

6.2.1 Test Result

Band: 26a / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	815.5	15	0	20	10.8	-3.204	-0.0039	-2.5 to 2.5	Pass
					12	-0.587	-0.0007	-2.5 to 2.5	Pass
					13.2	0.672	0.0008	-2.5 to 2.5	Pass
				-30	12	-3.018	-0.0037	-2.5 to 2.5	Pass
				-20	12	-2.704	-0.0033	-2.5 to 2.5	Pass
				-10	12	-4.635	-0.0057	-2.5 to 2.5	Pass
				0	12	1.817	0.0022	-2.5 to 2.5	Pass
				10	12	-0.701	-0.0009	-2.5 to 2.5	Pass
				30	12	-1.087	-0.0013	-2.5 to 2.5	Pass



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	819	15	0	40	12	-3.405	-0.0042	-2.5 to 2.5	Pass
				50	12	-1.302	-0.0016	-2.5 to 2.5	Pass
				20	10.8	-0.772	-0.0009	-2.5 to 2.5	Pass
					12	-2.189	-0.0027	-2.5 to 2.5	Pass
					13.2	-6.423	-0.0078	-2.5 to 2.5	Pass
				-30	12	-2.346	-0.0029	-2.5 to 2.5	Pass
				-20	12	-2.532	-0.0031	-2.5 to 2.5	Pass
				-10	12	-1.888	-0.0023	-2.5 to 2.5	Pass
				0	12	-3.290	-0.0040	-2.5 to 2.5	Pass
				10	12	-2.446	-0.0030	-2.5 to 2.5	Pass
				30	12	-2.089	-0.0026	-2.5 to 2.5	Pass
				40	12	-7.238	-0.0088	-2.5 to 2.5	Pass
				50	12	-3.619	-0.0044	-2.5 to 2.5	Pass
	822.5	15	0	20	10.8	-1.917	-0.0023	-2.5 to 2.5	Pass
					12	0.229	0.0003	-2.5 to 2.5	Pass
					13.2	-2.017	-0.0025	-2.5 to 2.5	Pass
				-30	12	-2.074	-0.0025	-2.5 to 2.5	Pass
				-20	12	-0.257	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.416	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.674	-0.0020	-2.5 to 2.5	Pass
				10	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				30	12	-2.732	-0.0033	-2.5 to 2.5	Pass
				40	12	1.488	0.0018	-2.5 to 2.5	Pass
				50	12	-1.774	-0.0022	-2.5 to 2.5	Pass
16QAM	815.5	15	0	20	10.8	-0.958	-0.0012	-2.5 to 2.5	Pass
					12	-0.472	-0.0006	-2.5 to 2.5	Pass
					13.2	-3.119	-0.0038	-2.5 to 2.5	Pass
				-30	12	-2.489	-0.0031	-2.5 to 2.5	Pass
				-20	12	-4.392	-0.0054	-2.5 to 2.5	Pass
				-10	12	2.260	0.0028	-2.5 to 2.5	Pass
				0	12	-0.129	-0.0002	-2.5 to 2.5	Pass
				10	12	-2.646	-0.0032	-2.5 to 2.5	Pass
				30	12	-10.86	-0.0040	-2.5 to 2.5	Pass
				40	12	-4.034	-0.0049	-2.5 to 2.5	Pass
	819	15	0	20	10.8	-3.791	-0.0046	-2.5 to 2.5	Pass
					12	-6.137	-0.0075	-2.5 to 2.5	Pass
					13.2	1.903	0.0023	-2.5 to 2.5	Pass
				-30	12	-3.762	-0.0046	-2.5 to 2.5	Pass
				-20	12	-4.334	-0.0053	-2.5 to 2.5	Pass
				-10	12	-1.302	-0.0016	-2.5 to 2.5	Pass
				0	12	-4.377	-0.0053	-2.5 to 2.5	Pass
				10	12	0.501	0.0006	-2.5 to 2.5	Pass
				30	12	-4.420	-0.0054	-2.5 to 2.5	Pass
				40	12	-3.376	-0.0041	-2.5 to 2.5	Pass
	822.5	15	0	20	10.8	-0.687	-0.0008	-2.5 to 2.5	Pass
					12	-2.203	-0.0027	-2.5 to 2.5	Pass
					13.2	-0.401	-0.0005	-2.5 to 2.5	Pass
				-30	12	-1.287	-0.0016	-2.5 to 2.5	Pass
				-20	12	-1.802	-0.0022	-2.5 to 2.5	Pass
				-10	12	-2.961	-0.0036	-2.5 to 2.5	Pass
				0	12	-2.775	-0.0034	-2.5 to 2.5	Pass
				10	12	-1.202	-0.0015	-2.5 to 2.5	Pass



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				30	12	-1.273	-0.0015	-2.5 to 2.5	Pass
				40	12	-4.148	-0.0050	-2.5 to 2.5	Pass
				50	12	-3.576	-0.0043	-2.5 to 2.5	Pass
64QAM	815.5	15	0	20	10.8	-2.103	-0.0026	-2.5 to 2.5	Pass
					12	-1.159	-0.0014	-2.5 to 2.5	Pass
					13.2	-3.047	-0.0037	-2.5 to 2.5	Pass
				-30	12	-3.519	-0.0043	-2.5 to 2.5	Pass
				-20	12	-2.861	-0.0035	-2.5 to 2.5	Pass
				-10	12	-3.433	-0.0042	-2.5 to 2.5	Pass
				0	12	-1.860	-0.0023	-2.5 to 2.5	Pass
				10	12	-3.548	-0.0044	-2.5 to 2.5	Pass
				30	12	-0.572	-0.0007	-2.5 to 2.5	Pass
				40	12	-2.060	-0.0025	-2.5 to 2.5	Pass
				50	12	-2.975	-0.0036	-2.5 to 2.5	Pass
	819	15	0	20	10.8	-1.731	-0.0021	-2.5 to 2.5	Pass
					12	-0.715	-0.0009	-2.5 to 2.5	Pass
					13.2	-5.522	-0.0067	-2.5 to 2.5	Pass
				-30	12	-4.549	-0.0056	-2.5 to 2.5	Pass
				-20	12	-2.089	-0.0026	-2.5 to 2.5	Pass
				-10	12	-0.272	-0.0003	-2.5 to 2.5	Pass
				0	12	-2.174	-0.0027	-2.5 to 2.5	Pass
				10	12	-5.565	-0.0068	-2.5 to 2.5	Pass
				30	12	-5.879	-0.0072	-2.5 to 2.5	Pass
				40	12	-4.234	-0.0052	-2.5 to 2.5	Pass
				50	12	-0.386	-0.0005	-2.5 to 2.5	Pass
	822.5	15	0	20	10.8	0.472	0.0006	-2.5 to 2.5	Pass
					12	-2.289	-0.0028	-2.5 to 2.5	Pass
					13.2	-1.845	-0.0022	-2.5 to 2.5	Pass
				-30	12	-1.259	-0.0015	-2.5 to 2.5	Pass
				-20	12	-2.990	-0.0036	-2.5 to 2.5	Pass
				-10	12	-1.645	-0.0020	-2.5 to 2.5	Pass
				0	12	-3.505	-0.0043	-2.5 to 2.5	Pass
				10	12	0.072	0.0001	-2.5 to 2.5	Pass
				30	12	1.245	0.0015	-2.5 to 2.5	Pass
				40	12	-2.418	-0.0029	-2.5 to 2.5	Pass
256QAM	815.5	15	0	20	10.8	-3.190	-0.0039	-2.5 to 2.5	Pass
					12	-4.849	-0.0059	-2.5 to 2.5	Pass
					13.2	-1.259	-0.0015	-2.5 to 2.5	Pass
				-30	12	-1.588	-0.0019	-2.5 to 2.5	Pass
				-20	12	-2.589	-0.0032	-2.5 to 2.5	Pass
				-10	12	0.100	0.0001	-2.5 to 2.5	Pass
				0	12	-5.608	-0.0069	-2.5 to 2.5	Pass
				10	12	-1.373	-0.0017	-2.5 to 2.5	Pass
				30	12	-2.589	-0.0032	-2.5 to 2.5	Pass
				40	12	-4.091	-0.0050	-2.5 to 2.5	Pass
				50	12	-3.090	-0.0038	-2.5 to 2.5	Pass
	819	15	0	20	10.8	-4.878	-0.0060	-2.5 to 2.5	Pass
					12	-1.445	-0.0018	-2.5 to 2.5	Pass
					13.2	-4.420	-0.0054	-2.5 to 2.5	Pass
				-30	12	-2.303	-0.0028	-2.5 to 2.5	Pass
				-20	12	-1.745	-0.0021	-2.5 to 2.5	Pass
				-10	12	-1.631	-0.0020	-2.5 to 2.5	Pass
				0	12	-3.877	-0.0047	-2.5 to 2.5	Pass



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				10	12	-3.119	-0.0038	-2.5 to 2.5	Pass
				30	12	-0.200	-0.0002	-2.5 to 2.5	Pass
				40	12	-6.223	-0.0076	-2.5 to 2.5	Pass
				50	12	-1.116	-0.0014	-2.5 to 2.5	Pass
	822.5	15	0	20	10.8	-2.217	-0.0027	-2.5 to 2.5	Pass
					12	-2.875	-0.0035	-2.5 to 2.5	Pass
					13.2	0.043	0.0001	-2.5 to 2.5	Pass
				-30	12	-1.702	-0.0021	-2.5 to 2.5	Pass
				-20	12	-1.988	-0.0024	-2.5 to 2.5	Pass
				-10	12	0.701	0.0009	-2.5 to 2.5	Pass
				0	12	-1.931	-0.0023	-2.5 to 2.5	Pass
				10	12	-0.072	-0.0001	-2.5 to 2.5	Pass
				30	12	-0.858	-0.0010	-2.5 to 2.5	Pass
				40	12	-4.220	-0.0051	-2.5 to 2.5	Pass
				50	12	-3.862	-0.0047	-2.5 to 2.5	Pass

6.3 B26a 5MHz

6.3.1 Test Result

Band: 26a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	816.5	25	0	20	10.8	0.687	0.0008	-2.5 to 2.5	Pass
					12	-0.629	-0.0008	-2.5 to 2.5	Pass
					13.2	-1.087	-0.0013	-2.5 to 2.5	Pass
				-30	12	1.431	0.0018	-2.5 to 2.5	Pass
				-20	12	0.386	0.0005	-2.5 to 2.5	Pass
				-10	12	-1.874	-0.0023	-2.5 to 2.5	Pass
				0	12	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	12	-1.159	-0.0014	-2.5 to 2.5	Pass
				30	12	-1.659	-0.0020	-2.5 to 2.5	Pass
				40	12	0.558	0.0007	-2.5 to 2.5	Pass
	50	12	1.187	0.0015	-2.5 to 2.5	Pass			
	819	25	0	20	10.8	1.960	0.0024	-2.5 to 2.5	Pass
					12	0.043	0.0001	-2.5 to 2.5	Pass
					13.2	-0.429	-0.0005	-2.5 to 2.5	Pass
				-30	12	-0.558	-0.0007	-2.5 to 2.5	Pass
				-20	12	0.887	0.0011	-2.5 to 2.5	Pass
				-10	12	-0.873	-0.0011	-2.5 to 2.5	Pass
				0	12	2.260	0.0028	-2.5 to 2.5	Pass
				10	12	-1.216	-0.0015	-2.5 to 2.5	Pass
				30	12	2.074	0.0025	-2.5 to 2.5	Pass
				40	12	-0.787	-0.0010	-2.5 to 2.5	Pass
	50	12	0.887	0.0011	-2.5 to 2.5	Pass			
	821.5	25	0	20	10.8	-3.076	-0.0037	-2.5 to 2.5	Pass
					12	-1.860	-0.0023	-2.5 to 2.5	Pass
					13.2	-2.046	-0.0025	-2.5 to 2.5	Pass
				-30	12	-2.861	-0.0035	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0005	-2.5 to 2.5	Pass
				-10	12	-1.187	-0.0014	-2.5 to 2.5	Pass
				0	12	-1.316	-0.0016	-2.5 to 2.5	Pass



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				10	12	-3.319	-0.0040	-2.5 to 2.5	Pass
				30	12	-3.190	-0.0039	-2.5 to 2.5	Pass
				40	12	-1.960	-0.0024	-2.5 to 2.5	Pass
				50	12	0.043	0.0001	-2.5 to 2.5	Pass
16QAM	816.5	25	0	20	10.8	-1.245	-0.0015	-2.5 to 2.5	Pass
					12	0.458	0.0006	-2.5 to 2.5	Pass
					13.2	-1.874	-0.0023	-2.5 to 2.5	Pass
				-30	12	1.488	0.0018	-2.5 to 2.5	Pass
				-20	12	-0.186	-0.0002	-2.5 to 2.5	Pass
				-10	12	2.275	0.0028	-2.5 to 2.5	Pass
				0	12	0.515	0.0006	-2.5 to 2.5	Pass
				10	12	2.460	0.0030	-2.5 to 2.5	Pass
				30	12	0.272	0.0003	-2.5 to 2.5	Pass
				40	12	-2.632	-0.0032	-2.5 to 2.5	Pass
				50	12	0.100	0.0001	-2.5 to 2.5	Pass
				819	25	0	20	10.8	2.460
	12	1.245	0.0015					-2.5 to 2.5	Pass
	13.2	0.887	0.0011					-2.5 to 2.5	Pass
	-30	12	1.330				0.0016	-2.5 to 2.5	Pass
	-20	12	-0.544				-0.0007	-2.5 to 2.5	Pass
	-10	12	-0.887				-0.0011	-2.5 to 2.5	Pass
	0	12	-0.343				-0.0004	-2.5 to 2.5	Pass
	10	12	-0.830				-0.0010	-2.5 to 2.5	Pass
	30	12	-1.402				-0.0017	-2.5 to 2.5	Pass
	40	12	-3.204				-0.0039	-2.5 to 2.5	Pass
	50	12	1.116				0.0014	-2.5 to 2.5	Pass
	821.5	25	0				20	10.8	-4.492
				12	-2.160	-0.0026		-2.5 to 2.5	Pass
				13.2	-2.618	-0.0032		-2.5 to 2.5	Pass
				-30	12	-0.787	-0.0010	-2.5 to 2.5	Pass
				-20	12	-0.029	0.0000	-2.5 to 2.5	Pass
				-10	12	-3.247	-0.0040	-2.5 to 2.5	Pass
				0	12	0.114	0.0001	-2.5 to 2.5	Pass
				10	12	0.057	0.0001	-2.5 to 2.5	Pass
				30	12	-0.429	-0.0005	-2.5 to 2.5	Pass
				40	12	-0.358	-0.0004	-2.5 to 2.5	Pass
50				12	-2.561	-0.0031	-2.5 to 2.5	Pass	
64QAM				816.5	25	0	20	10.8	0.229
	12	-0.615	-0.0008					-2.5 to 2.5	Pass
	13.2	-0.343	-0.0004					-2.5 to 2.5	Pass
	-30	12	-1.545				-0.0019	-2.5 to 2.5	Pass
	-20	12	1.373				0.0017	-2.5 to 2.5	Pass
	-10	12	-0.386				-0.0005	-2.5 to 2.5	Pass
	0	12	-0.057				-0.0001	-2.5 to 2.5	Pass
	10	12	-0.472				-0.0006	-2.5 to 2.5	Pass
	30	12	-1.860				-0.0023	-2.5 to 2.5	Pass
	40	12	1.044				0.0013	-2.5 to 2.5	Pass
	50	12	-2.203				-0.0027	-2.5 to 2.5	Pass
	819	25	0				20	10.8	-0.072
				12	0.772	0.0009		-2.5 to 2.5	Pass
				13.2	1.330	0.0016		-2.5 to 2.5	Pass
				-30	12	-1.860	-0.0023	-2.5 to 2.5	Pass
				-20	12	1.817	0.0022	-2.5 to 2.5	Pass
				-10	12	-0.072	-0.0001	-2.5 to 2.5	Pass



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				0	12	2.046	0.0025	-2.5 to 2.5	Pass
				10	12	0.429	0.0005	-2.5 to 2.5	Pass
				30	12	0.315	0.0004	-2.5 to 2.5	Pass
				40	12	-0.458	-0.0006	-2.5 to 2.5	Pass
				50	12	0.687	0.0008	-2.5 to 2.5	Pass
	821.5	25	0	20	10.8	-0.014	0.0000	-2.5 to 2.5	Pass
					12	-2.332	-0.0028	-2.5 to 2.5	Pass
					13.2	-2.975	-0.0036	-2.5 to 2.5	Pass
				-30	12	-1.216	-0.0015	-2.5 to 2.5	Pass
				-20	12	-4.320	-0.0053	-2.5 to 2.5	Pass
				-10	12	-3.748	-0.0046	-2.5 to 2.5	Pass
				0	12	-0.243	-0.0003	-2.5 to 2.5	Pass
				10	12	-1.402	-0.0017	-2.5 to 2.5	Pass
				30	12	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	12	-0.544	-0.0007	-2.5 to 2.5	Pass
				50	12	-1.960	-0.0024	-2.5 to 2.5	Pass
	816.5	25	0	20	10.8	-0.787	-0.0010	-2.5 to 2.5	Pass
					12	2.904	0.0036	-2.5 to 2.5	Pass
					13.2	-1.202	-0.0015	-2.5 to 2.5	Pass
				-30	12	0.072	0.0001	-2.5 to 2.5	Pass
				-20	12	2.074	0.0025	-2.5 to 2.5	Pass
				-10	12	-1.431	-0.0018	-2.5 to 2.5	Pass
				0	12	-2.661	-0.0033	-2.5 to 2.5	Pass
				10	12	0.701	0.0009	-2.5 to 2.5	Pass
				30	12	-3.548	-0.0043	-2.5 to 2.5	Pass
				40	12	2.818	0.0035	-2.5 to 2.5	Pass
				50	12	-0.186	-0.0002	-2.5 to 2.5	Pass
256QAM	819	25	0	20	10.8	0.515	0.0006	-2.5 to 2.5	Pass
					12	-2.589	-0.0032	-2.5 to 2.5	Pass
					13.2	2.332	0.0028	-2.5 to 2.5	Pass
				-30	12	-3.676	-0.0045	-2.5 to 2.5	Pass
				-20	12	1.702	0.0021	-2.5 to 2.5	Pass
				-10	12	-1.559	-0.0019	-2.5 to 2.5	Pass
				0	12	0.086	0.0001	-2.5 to 2.5	Pass
				10	12	-1.445	-0.0018	-2.5 to 2.5	Pass
				30	12	-1.101	-0.0013	-2.5 to 2.5	Pass
				40	12	-1.473	-0.0018	-2.5 to 2.5	Pass
				50	12	1.087	0.0013	-2.5 to 2.5	Pass
	821.5	25	0	20	10.8	-4.234	-0.0052	-2.5 to 2.5	Pass
					12	-2.360	-0.0029	-2.5 to 2.5	Pass
					13.2	-0.186	-0.0002	-2.5 to 2.5	Pass
				-30	12	-1.974	-0.0024	-2.5 to 2.5	Pass
				-20	12	-3.948	-0.0048	-2.5 to 2.5	Pass
				-10	12	0.157	0.0002	-2.5 to 2.5	Pass
				0	12	-4.964	-0.0060	-2.5 to 2.5	Pass
				10	12	-1.516	-0.0018	-2.5 to 2.5	Pass
				30	12	0.572	0.0007	-2.5 to 2.5	Pass
				40	12	-2.933	-0.0036	-2.5 to 2.5	Pass
				50	12	-0.587	-0.0007	-2.5 to 2.5	Pass

6.4 B26a_10MHz



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Test Report Form Version: Rev01

Member of the SGS Group (SGS SA)

6.4.1 Test Result

Band: 26a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	10.8	-4.206	-0.0051	-2.5 to 2.5	Pass
					12	-2.174	-0.0027	-2.5 to 2.5	Pass
					13.2	-2.518	-0.0031	-2.5 to 2.5	Pass
				-30	12	-5.093	-0.0062	-2.5 to 2.5	Pass
				-20	12	-4.206	-0.0051	-2.5 to 2.5	Pass
				-10	12	-3.490	-0.0043	-2.5 to 2.5	Pass
				0	12	-2.232	-0.0027	-2.5 to 2.5	Pass
				10	12	-3.090	-0.0038	-2.5 to 2.5	Pass
				30	12	-2.031	-0.0025	-2.5 to 2.5	Pass
				40	12	-4.177	-0.0051	-2.5 to 2.5	Pass
				50	12	-2.303	-0.0028	-2.5 to 2.5	Pass
	819	50	0	20	10.8	-4.978	-0.0061	-2.5 to 2.5	Pass
					12	-5.121	-0.0063	-2.5 to 2.5	Pass
					13.2	-4.034	-0.0049	-2.5 to 2.5	Pass
				-30	12	-3.734	-0.0046	-2.5 to 2.5	Pass
				-20	12	-4.191	-0.0051	-2.5 to 2.5	Pass
				-10	12	-2.875	-0.0035	-2.5 to 2.5	Pass
				0	12	-4.892	-0.0060	-2.5 to 2.5	Pass
				10	12	-4.392	-0.0054	-2.5 to 2.5	Pass
				30	12	-3.877	-0.0047	-2.5 to 2.5	Pass
				40	12	-5.593	-0.0068	-2.5 to 2.5	Pass
				50	12	-4.334	-0.0053	-2.5 to 2.5	Pass
	819	50	0	20	10.8	-3.133	-0.0038	-2.5 to 2.5	Pass
					12	-5.236	-0.0064	-2.5 to 2.5	Pass
					13.2	-2.675	-0.0033	-2.5 to 2.5	Pass
				-30	12	-1.774	-0.0022	-2.5 to 2.5	Pass
				-20	12	-4.792	-0.0059	-2.5 to 2.5	Pass
				-10	12	-4.263	-0.0052	-2.5 to 2.5	Pass
				0	12	-3.519	-0.0043	-2.5 to 2.5	Pass
				10	12	-4.206	-0.0051	-2.5 to 2.5	Pass
				30	12	-4.120	-0.0050	-2.5 to 2.5	Pass
				40	12	-1.874	-0.0023	-2.5 to 2.5	Pass
16QAM	819	50	0	20	10.8	-4.878	-0.0060	-2.5 to 2.5	Pass
					12	-4.706	-0.0057	-2.5 to 2.5	Pass
					13.2	-4.878	-0.0060	-2.5 to 2.5	Pass
				-30	12	-2.332	-0.0028	-2.5 to 2.5	Pass
				-20	12	-1.130	-0.0014	-2.5 to 2.5	Pass
				-10	12	-5.622	-0.0069	-2.5 to 2.5	Pass
				0	12	-2.661	-0.0032	-2.5 to 2.5	Pass
				10	12	-5.493	-0.0067	-2.5 to 2.5	Pass
				30	12	-4.506	-0.0055	-2.5 to 2.5	Pass
				40	12	-3.505	-0.0043	-2.5 to 2.5	Pass
	819	50	0	20	10.8	-4.148	-0.0051	-2.5 to 2.5	Pass
					12	-1.445	-0.0018	-2.5 to 2.5	Pass
					13.2	-4.263	-0.0052	-2.5 to 2.5	Pass
				-30	12	-4.892	-0.0060	-2.5 to 2.5	Pass
				-20	12	-4.091	-0.0050	-2.5 to 2.5	Pass



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				-10	12	-3.633	-0.0044	-2.5 to 2.5	Pass
				0	12	-2.689	-0.0033	-2.5 to 2.5	Pass
				10	12	-3.433	-0.0042	-2.5 to 2.5	Pass
				30	12	-3.905	-0.0048	-2.5 to 2.5	Pass
				40	12	-4.206	-0.0051	-2.5 to 2.5	Pass
				50	12	-3.104	-0.0038	-2.5 to 2.5	Pass
	819	50	0	20	10.8	-2.975	-0.0036	-2.5 to 2.5	Pass
					12	-5.193	-0.0063	-2.5 to 2.5	Pass
					13.2	-4.277	-0.0052	-2.5 to 2.5	Pass
				-30	12	-5.250	-0.0064	-2.5 to 2.5	Pass
				-20	12	-5.479	-0.0067	-2.5 to 2.5	Pass
				-10	12	-3.591	-0.0044	-2.5 to 2.5	Pass
				0	12	-2.174	-0.0027	-2.5 to 2.5	Pass
				10	12	-3.648	-0.0045	-2.5 to 2.5	Pass
				30	12	-3.033	-0.0037	-2.5 to 2.5	Pass
				40	12	-3.748	-0.0046	-2.5 to 2.5	Pass
				50	12	-3.848	-0.0047	-2.5 to 2.5	Pass
64QAM	819	50	0	20	10.8	-2.432	-0.0030	-2.5 to 2.5	Pass
					12	-3.691	-0.0045	-2.5 to 2.5	Pass
					13.2	-5.522	-0.0067	-2.5 to 2.5	Pass
				-30	12	-3.519	-0.0043	-2.5 to 2.5	Pass
				-20	12	-3.934	-0.0048	-2.5 to 2.5	Pass
				-10	12	-6.495	-0.0079	-2.5 to 2.5	Pass
				0	12	-5.636	-0.0069	-2.5 to 2.5	Pass
				10	12	-4.449	-0.0054	-2.5 to 2.5	Pass
				30	12	-4.907	-0.0060	-2.5 to 2.5	Pass
				40	12	-1.373	-0.0017	-2.5 to 2.5	Pass
				50	12	-1.388	-0.0017	-2.5 to 2.5	Pass
	819	50	0	20	10.8	-3.219	-0.0039	-2.5 to 2.5	Pass
					12	-4.964	-0.0061	-2.5 to 2.5	Pass
					13.2	-5.593	-0.0068	-2.5 to 2.5	Pass
				-30	12	-5.322	-0.0065	-2.5 to 2.5	Pass
				-20	12	-5.379	-0.0066	-2.5 to 2.5	Pass
				-10	12	-3.963	-0.0048	-2.5 to 2.5	Pass
				0	12	-5.393	-0.0066	-2.5 to 2.5	Pass
				10	12	-4.849	-0.0059	-2.5 to 2.5	Pass
				30	12	-3.977	-0.0049	-2.5 to 2.5	Pass
				40	12	-4.077	-0.0050	-2.5 to 2.5	Pass
				50	12	-4.921	-0.0060	-2.5 to 2.5	Pass
		50	0	20	10.8	-5.221	-0.0064	-2.5 to 2.5	Pass
					12	-4.563	-0.0056	-2.5 to 2.5	Pass
					13.2	-4.334	-0.0053	-2.5 to 2.5	Pass
				-30	12	-2.403	-0.0029	-2.5 to 2.5	Pass
				-20	12	-3.376	-0.0041	-2.5 to 2.5	Pass
				-10	12	-3.633	-0.0044	-2.5 to 2.5	Pass
				0	12	-4.163	-0.0051	-2.5 to 2.5	Pass
				10	12	-5.894	-0.0072	-2.5 to 2.5	Pass
				30	12	-5.937	-0.0072	-2.5 to 2.5	Pass
				40	12	-1.574	-0.0019	-2.5 to 2.5	Pass
				50	12	-1.974	-0.0024	-2.5 to 2.5	Pass
256QAM	819	50	0	20	10.8	-3.405	-0.0042	-2.5 to 2.5	Pass
					12	-3.891	-0.0048	-2.5 to 2.5	Pass
					13.2	-3.719	-0.0045	-2.5 to 2.5	Pass
				-30	12	-4.148	-0.0051	-2.5 to 2.5	Pass



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				-20	12	-4.320	-0.0053	-2.5 to 2.5	Pass
				-10	12	-4.063	-0.0050	-2.5 to 2.5	Pass
				0	12	-3.533	-0.0043	-2.5 to 2.5	Pass
				10	12	-3.204	-0.0039	-2.5 to 2.5	Pass
				30	12	-6.824	-0.0083	-2.5 to 2.5	Pass
				40	12	-4.048	-0.0049	-2.5 to 2.5	Pass
				50	12	-3.219	-0.0039	-2.5 to 2.5	Pass
	819	50	0	20	10.8	-4.592	-0.0056	-2.5 to 2.5	Pass
					12	-4.964	-0.0061	-2.5 to 2.5	Pass
					13.2	-3.505	-0.0043	-2.5 to 2.5	Pass
				-30	12	-5.894	-0.0072	-2.5 to 2.5	Pass
				-20	12	-4.249	-0.0052	-2.5 to 2.5	Pass
				-10	12	-2.747	-0.0034	-2.5 to 2.5	Pass
				0	12	-4.134	-0.0050	-2.5 to 2.5	Pass
				10	12	-1.287	-0.0016	-2.5 to 2.5	Pass
				30	12	-3.405	-0.0042	-2.5 to 2.5	Pass
				40	12	-3.433	-0.0042	-2.5 to 2.5	Pass
				50	12	-3.791	-0.0046	-2.5 to 2.5	Pass
				20	10.8	-3.977	-0.0049	-2.5 to 2.5	Pass
					12	-4.377	-0.0053	-2.5 to 2.5	Pass
					13.2	-2.117	-0.0026	-2.5 to 2.5	Pass
	819	50	0	-30	12	-3.548	-0.0043	-2.5 to 2.5	Pass
				-20	12	-3.862	-0.0047	-2.5 to 2.5	Pass
				-10	12	-4.263	-0.0052	-2.5 to 2.5	Pass
				0	12	-3.877	-0.0047	-2.5 to 2.5	Pass
				10	12	-3.176	-0.0039	-2.5 to 2.5	Pass
				30	12	-3.676	-0.0045	-2.5 to 2.5	Pass
				40	12	-3.104	-0.0038	-2.5 to 2.5	Pass
				50	12	-3.533	-0.0043	-2.5 to 2.5	Pass



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7. Frequency Stability

7.1 B26b_1.4MHz

7.1.1 Test Result

Band: 26b / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	10.8	0.687	0.0008	-2.5 to 2.5	Pass
					12	-1.931	-0.0023	-2.5 to 2.5	Pass
					13.2	-1.945	-0.0024	-2.5 to 2.5	Pass
				-30	12	-1.931	-0.0023	-2.5 to 2.5	Pass
				-20	12	0.515	0.0006	-2.5 to 2.5	Pass
				-10	12	-1.516	-0.0018	-2.5 to 2.5	Pass
				0	12	-1.602	-0.0019	-2.5 to 2.5	Pass
				10	12	-3.862	-0.0047	-2.5 to 2.5	Pass
				30	12	0.114	0.0001	-2.5 to 2.5	Pass
				40	12	0.715	0.0009	-2.5 to 2.5	Pass
				50	12	-1.059	-0.0013	-2.5 to 2.5	Pass
	836.5	6	0	20	10.8	0.701	0.0008	-2.5 to 2.5	Pass
					12	-0.443	-0.0005	-2.5 to 2.5	Pass
					13.2	-0.415	-0.0005	-2.5 to 2.5	Pass
				-30	12	-0.257	-0.0003	-2.5 to 2.5	Pass
				-20	12	0.744	0.0009	-2.5 to 2.5	Pass
				-10	12	-2.875	-0.0034	-2.5 to 2.5	Pass
				0	12	-2.260	-0.0027	-2.5 to 2.5	Pass
				10	12	-0.343	-0.0004	-2.5 to 2.5	Pass
				30	12	-1.202	-0.0014	-2.5 to 2.5	Pass
				40	12	0.601	0.0007	-2.5 to 2.5	Pass
				50	12	-0.744	-0.0009	-2.5 to 2.5	Pass
	848.3	6	0	20	10.8	3.319	0.0039	-2.5 to 2.5	Pass
					12	-0.572	-0.0007	-2.5 to 2.5	Pass
					13.2	-1.345	-0.0016	-2.5 to 2.5	Pass
				-30	12	1.988	0.0023	-2.5 to 2.5	Pass
				-20	12	2.189	0.0026	-2.5 to 2.5	Pass
				-10	12	0.129	0.0002	-2.5 to 2.5	Pass
				0	12	1.101	0.0013	-2.5 to 2.5	Pass
				10	12	0.114	0.0001	-2.5 to 2.5	Pass
				30	12	-0.429	-0.0005	-2.5 to 2.5	Pass
				40	12	2.203	0.0026	-2.5 to 2.5	Pass
				50	12	-0.157	-0.0002	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	10.8	-0.958	-0.0012	-2.5 to 2.5	Pass
					12	-0.529	-0.0006	-2.5 to 2.5	Pass
					13.2	-1.001	-0.0012	-2.5 to 2.5	Pass
				-30	12	-0.730	-0.0009	-2.5 to 2.5	Pass
				-20	12	-3.033	-0.0037	-2.5 to 2.5	Pass
				-10	12	-1.974	-0.0024	-2.5 to 2.5	Pass
				0	12	-6.638	-0.0080	-2.5 to 2.5	Pass
				10	12	-2.046	-0.0025	-2.5 to 2.5	Pass
				30	12	-2.375	-0.0029	-2.5 to 2.5	Pass
				40	12	-2.747	-0.0033	-2.5 to 2.5	Pass



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	836.5	6	0	50	12	-3.233	-0.0039	-2.5 to 2.5	Pass
				20	10.8	0.629	0.0008	-2.5 to 2.5	Pass
					12	-1.602	-0.0019	-2.5 to 2.5	Pass
					13.2	-2.003	-0.0024	-2.5 to 2.5	Pass
				-30	12	-2.418	-0.0029	-2.5 to 2.5	Pass
				-20	12	-2.918	-0.0035	-2.5 to 2.5	Pass
				-10	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				0	12	-1.087	-0.0013	-2.5 to 2.5	Pass
				10	12	-1.945	-0.0023	-2.5 to 2.5	Pass
				30	12	-0.572	-0.0007	-2.5 to 2.5	Pass
	848.3	6	0	40	12	3.362	0.0040	-2.5 to 2.5	Pass
				50	12	0.300	0.0004	-2.5 to 2.5	Pass
				20	10.8	0.057	0.0001	-2.5 to 2.5	Pass
					12	-3.548	-0.0042	-2.5 to 2.5	Pass
					13.2	-4.005	-0.0047	-2.5 to 2.5	Pass
				-30	12	0.143	0.0002	-2.5 to 2.5	Pass
				-20	12	-4.406	-0.0052	-2.5 to 2.5	Pass
				-10	12	-3.304	-0.0039	-2.5 to 2.5	Pass
				0	12	1.230	0.0014	-2.5 to 2.5	Pass
				10	12	-3.147	-0.0037	-2.5 to 2.5	Pass
64QAM	824.7	6	0	30	12	-2.346	-0.0028	-2.5 to 2.5	Pass
				40	12	-3.619	-0.0043	-2.5 to 2.5	Pass
				50	12	-3.748	-0.0044	-2.5 to 2.5	Pass
				20	10.8	-4.306	-0.0052	-2.5 to 2.5	Pass
					12	-3.376	-0.0041	-2.5 to 2.5	Pass
					13.2	0.372	0.0005	-2.5 to 2.5	Pass
				-30	12	-4.992	-0.0061	-2.5 to 2.5	Pass
				-20	12	-3.977	-0.0048	-2.5 to 2.5	Pass
				-10	12	-1.602	-0.0019	-2.5 to 2.5	Pass
				0	12	0.143	0.0002	-2.5 to 2.5	Pass
	836.5	6	0	10	12	-1.874	-0.0023	-2.5 to 2.5	Pass
				30	12	-5.193	-0.0063	-2.5 to 2.5	Pass
				40	12	-2.017	-0.0024	-2.5 to 2.5	Pass
				50	12	0.114	0.0001	-2.5 to 2.5	Pass
				20	10.8	-0.687	-0.0008	-2.5 to 2.5	Pass
					12	-2.060	-0.0025	-2.5 to 2.5	Pass
					13.2	-1.488	-0.0018	-2.5 to 2.5	Pass
				-30	12	0.601	0.0007	-2.5 to 2.5	Pass
				-20	12	-1.330	-0.0016	-2.5 to 2.5	Pass
				-10	12	-5.665	-0.0068	-2.5 to 2.5	Pass
	848.3	6	0	0	12	-2.761	-0.0033	-2.5 to 2.5	Pass
				10	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				30	12	-0.243	-0.0003	-2.5 to 2.5	Pass
				40	12	-2.217	-0.0027	-2.5 to 2.5	Pass
				50	12	-1.273	-0.0015	-2.5 to 2.5	Pass
				20	10.8	-0.043	-0.0001	-2.5 to 2.5	Pass
					12	0.858	0.0010	-2.5 to 2.5	Pass
					13.2	1.745	0.0021	-2.5 to 2.5	Pass
				-30	12	0.129	0.0002	-2.5 to 2.5	Pass
				-20	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				-10	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				0	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				10	12	1.388	0.0016	-2.5 to 2.5	Pass
				30	12	0.386	0.0005	-2.5 to 2.5	Pass



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				40	12	-0.458	-0.0005	-2.5 to 2.5	Pass
				50	12	-3.834	-0.0045	-2.5 to 2.5	Pass
256QAM	824.7	6	0	20	10.8	3.147	0.0038	-2.5 to 2.5	Pass
					12	-1.402	-0.0017	-2.5 to 2.5	Pass
					13.2	0.687	0.0008	-2.5 to 2.5	Pass
				-30	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				-20	12	-0.772	-0.0009	-2.5 to 2.5	Pass
				-10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				0	12	-3.061	-0.0037	-2.5 to 2.5	Pass
				10	12	0.801	0.0010	-2.5 to 2.5	Pass
				30	12	0.501	0.0006	-2.5 to 2.5	Pass
				40	12	-1.702	-0.0021	-2.5 to 2.5	Pass
	50	12	-1.402	-0.0017	-2.5 to 2.5	Pass			
	836.5	6	0	20	10.8	0.386	0.0005	-2.5 to 2.5	Pass
					12	0.901	0.0011	-2.5 to 2.5	Pass
					13.2	0.701	0.0008	-2.5 to 2.5	Pass
				-30	12	-1.044	-0.0012	-2.5 to 2.5	Pass
				-20	12	-2.303	-0.0028	-2.5 to 2.5	Pass
				-10	12	2.475	0.0030	-2.5 to 2.5	Pass
				0	12	2.947	0.0035	-2.5 to 2.5	Pass
				10	12	-0.772	-0.0009	-2.5 to 2.5	Pass
				30	12	-1.473	-0.0018	-2.5 to 2.5	Pass
				40	12	1.016	0.0012	-2.5 to 2.5	Pass
	50	12	-1.330	-0.0016	-2.5 to 2.5	Pass			
	848.3	6	0	20	10.8	3.176	0.0037	-2.5 to 2.5	Pass
					12	1.373	0.0016	-2.5 to 2.5	Pass
					13.2	2.890	0.0034	-2.5 to 2.5	Pass
				-30	12	3.247	0.0038	-2.5 to 2.5	Pass
				-20	12	3.262	0.0038	-2.5 to 2.5	Pass
-10				12	0.572	0.0007	-2.5 to 2.5	Pass	
0				12	1.431	0.0017	-2.5 to 2.5	Pass	
10				12	1.330	0.0016	-2.5 to 2.5	Pass	
30				12	1.388	0.0016	-2.5 to 2.5	Pass	
40				12	0.787	0.0009	-2.5 to 2.5	Pass	
50	12	2.975	0.0035	-2.5 to 2.5	Pass				

7.2 B26b 3MHz

7.2.1 Test Result

Band: 26b / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	10.8	-1.087	-0.0013	-2.5 to 2.5	Pass
					12	-1.760	-0.0021	-2.5 to 2.5	Pass
					13.2	-3.347	-0.0041	-2.5 to 2.5	Pass
				-30	12	-3.705	-0.0045	-2.5 to 2.5	Pass
				-20	12	-3.991	-0.0048	-2.5 to 2.5	Pass
				-10	12	-4.950	-0.0060	-2.5 to 2.5	Pass
				0	12	-4.592	-0.0056	-2.5 to 2.5	Pass
				10	12	-4.263	-0.0052	-2.5 to 2.5	Pass
				30	12	-0.629	-0.0008	-2.5 to 2.5	Pass



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	836.5	15	0	40	12	-1.431	-0.0017	-2.5 to 2.5	Pass
				50	12	-4.621	-0.0056	-2.5 to 2.5	Pass
				20	10.8	-3.176	-0.0038	-2.5 to 2.5	Pass
					12	-2.089	-0.0025	-2.5 to 2.5	Pass
					13.2	1.202	0.0014	-2.5 to 2.5	Pass
				-30	12	2.403	0.0029	-2.5 to 2.5	Pass
				-20	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				-10	12	-1.817	-0.0022	-2.5 to 2.5	Pass
				0	12	-2.718	-0.0032	-2.5 to 2.5	Pass
				10	12	0.916	0.0011	-2.5 to 2.5	Pass
				30	12	-2.146	-0.0026	-2.5 to 2.5	Pass
				40	12	-0.086	-0.0001	-2.5 to 2.5	Pass
				50	12	-1.702	-0.0020	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-1.602	-0.0019	-2.5 to 2.5	Pass
					12	-2.117	-0.0025	-2.5 to 2.5	Pass
					13.2	-1.874	-0.0022	-2.5 to 2.5	Pass
				-30	12	-2.131	-0.0025	-2.5 to 2.5	Pass
				-20	12	-0.901	-0.0011	-2.5 to 2.5	Pass
				-10	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				0	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				10	12	-1.903	-0.0022	-2.5 to 2.5	Pass
				30	12	2.747	0.0032	-2.5 to 2.5	Pass
				40	12	-1.259	-0.0015	-2.5 to 2.5	Pass
				50	12	-1.502	-0.0018	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	10.8	-2.275	-0.0028	-2.5 to 2.5	Pass
					12	-3.004	-0.0036	-2.5 to 2.5	Pass
					13.2	-13.25	-0.0054	-2.5 to 2.5	Pass
				-30	12	-6.695	-0.0081	-2.5 to 2.5	Pass
				-20	12	-4.392	-0.0053	-2.5 to 2.5	Pass
				-10	12	-3.934	-0.0048	-2.5 to 2.5	Pass
				0	12	-3.676	-0.0045	-2.5 to 2.5	Pass
				10	12	-1.717	-0.0021	-2.5 to 2.5	Pass
				30	12	-0.415	-0.0005	-2.5 to 2.5	Pass
				40	12	-2.990	-0.0036	-2.5 to 2.5	Pass
				50	12	-5.422	-0.0066	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	2.389	0.0029	-2.5 to 2.5	Pass
					12	-2.389	-0.0029	-2.5 to 2.5	Pass
					13.2	-2.160	-0.0026	-2.5 to 2.5	Pass
				-30	12	-2.046	-0.0024	-2.5 to 2.5	Pass
				-20	12	2.360	0.0028	-2.5 to 2.5	Pass
				-10	12	0.558	0.0007	-2.5 to 2.5	Pass
				0	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.014	0.0000	-2.5 to 2.5	Pass
				30	12	-3.319	-0.0040	-2.5 to 2.5	Pass
				40	12	-2.818	-0.0034	-2.5 to 2.5	Pass
				50	12	-0.200	-0.0002	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	2.074	0.0024	-2.5 to 2.5	Pass
					12	1.788	0.0021	-2.5 to 2.5	Pass
					13.2	1.001	0.0012	-2.5 to 2.5	Pass
				-30	12	-3.405	-0.0040	-2.5 to 2.5	Pass
				-20	12	-2.618	-0.0031	-2.5 to 2.5	Pass
				-10	12	1.602	0.0019	-2.5 to 2.5	Pass
				0	12	1.874	0.0022	-2.5 to 2.5	Pass
				10	12	1.917	0.0023	-2.5 to 2.5	Pass



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				30	12	-2.217	-0.0026	-2.5 to 2.5	Pass
				40	12	0.315	0.0004	-2.5 to 2.5	Pass
				50	12	0.830	0.0010	-2.5 to 2.5	Pass
64QAM	825.5	15	0	20	10.8	0.930	0.0011	-2.5 to 2.5	Pass
					12	-0.701	-0.0008	-2.5 to 2.5	Pass
					13.2	-4.449	-0.0054	-2.5 to 2.5	Pass
				-30	12	-1.802	-0.0022	-2.5 to 2.5	Pass
				-20	12	1.259	0.0015	-2.5 to 2.5	Pass
				-10	12	-1.845	-0.0022	-2.5 to 2.5	Pass
				0	12	-3.247	-0.0039	-2.5 to 2.5	Pass
				10	12	-1.988	-0.0024	-2.5 to 2.5	Pass
				30	12	0.644	0.0008	-2.5 to 2.5	Pass
				40	12	-3.448	-0.0042	-2.5 to 2.5	Pass
				50	12	-1.760	-0.0021	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	-1.588	-0.0019	-2.5 to 2.5	Pass
					12	-0.615	-0.0007	-2.5 to 2.5	Pass
					13.2	-2.646	-0.0032	-2.5 to 2.5	Pass
				-30	12	0.429	0.0005	-2.5 to 2.5	Pass
				-20	12	-4.506	-0.0054	-2.5 to 2.5	Pass
				-10	12	-2.046	-0.0024	-2.5 to 2.5	Pass
				0	12	-1.087	-0.0013	-2.5 to 2.5	Pass
				10	12	-2.475	-0.0030	-2.5 to 2.5	Pass
				30	12	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	12	-2.089	-0.0025	-2.5 to 2.5	Pass
				50	12	-4.349	-0.0052	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-1.216	-0.0014	-2.5 to 2.5	Pass
					12	1.502	0.0018	-2.5 to 2.5	Pass
					13.2	2.632	0.0031	-2.5 to 2.5	Pass
				-30	12	4.363	0.0051	-2.5 to 2.5	Pass
				-20	12	6.094	0.0072	-2.5 to 2.5	Pass
				-10	12	0.143	0.0002	-2.5 to 2.5	Pass
				0	12	0.315	0.0004	-2.5 to 2.5	Pass
				10	12	-0.758	-0.0009	-2.5 to 2.5	Pass
				30	12	1.402	0.0017	-2.5 to 2.5	Pass
				40	12	3.705	0.0044	-2.5 to 2.5	Pass
				50	12	-0.057	-0.0001	-2.5 to 2.5	Pass
256QAM	825.5	15	0	20	10.8	-0.172	-0.0002	-2.5 to 2.5	Pass
					12	-0.672	-0.0008	-2.5 to 2.5	Pass
					13.2	-5.894	-0.0071	-2.5 to 2.5	Pass
				-30	12	-0.157	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.772	-0.0009	-2.5 to 2.5	Pass
				-10	12	-1.230	-0.0015	-2.5 to 2.5	Pass
				0	12	-0.901	-0.0011	-2.5 to 2.5	Pass
				10	12	-4.106	-0.0050	-2.5 to 2.5	Pass
				30	12	-4.978	-0.0060	-2.5 to 2.5	Pass
				40	12	-3.290	-0.0040	-2.5 to 2.5	Pass
				50	12	-1.488	-0.0018	-2.5 to 2.5	Pass
	836.5	15	0	20	10.8	-0.730	-0.0009	-2.5 to 2.5	Pass
					12	0.458	0.0005	-2.5 to 2.5	Pass
					13.2	-0.873	-0.0010	-2.5 to 2.5	Pass
				-30	12	-2.675	-0.0032	-2.5 to 2.5	Pass
				-20	12	-2.661	-0.0032	-2.5 to 2.5	Pass
				-10	12	-0.658	-0.0008	-2.5 to 2.5	Pass
				0	12	-0.515	-0.0006	-2.5 to 2.5	Pass



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				10	12	0.644	0.0008	-2.5 to 2.5	Pass
				30	12	0.329	0.0004	-2.5 to 2.5	Pass
				40	12	1.402	0.0017	-2.5 to 2.5	Pass
				50	12	-0.472	-0.0006	-2.5 to 2.5	Pass
	847.5	15	0	20	10.8	-1.860	-0.0022	-2.5 to 2.5	Pass
					12	-3.119	-0.0037	-2.5 to 2.5	Pass
					13.2	-1.659	-0.0020	-2.5 to 2.5	Pass
				-30	12	0.286	0.0003	-2.5 to 2.5	Pass
				-20	12	-2.818	-0.0033	-2.5 to 2.5	Pass
				-10	12	-1.917	-0.0023	-2.5 to 2.5	Pass
				0	12	-1.659	-0.0020	-2.5 to 2.5	Pass
				10	12	0.386	0.0005	-2.5 to 2.5	Pass
				30	12	-0.644	-0.0008	-2.5 to 2.5	Pass
				40	12	-0.343	-0.0004	-2.5 to 2.5	Pass
50	12	-0.272	-0.0003	-2.5 to 2.5	Pass				

7.3 B26b_5MHz

7.3.1 Test Result

Band: 26b / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	10.8	1.831	0.0022	-2.5 to 2.5	Pass
					12	-2.146	-0.0026	-2.5 to 2.5	Pass
					13.2	0.057	0.0001	-2.5 to 2.5	Pass
				-30	12	-2.303	-0.0028	-2.5 to 2.5	Pass
				-20	12	-1.802	-0.0022	-2.5 to 2.5	Pass
				-10	12	1.030	0.0012	-2.5 to 2.5	Pass
				0	12	-0.072	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				30	12	-1.116	-0.0014	-2.5 to 2.5	Pass
				40	12	-0.157	-0.0002	-2.5 to 2.5	Pass
	50	12	0.229	0.0003	-2.5 to 2.5	Pass			
	836.5	25	0	20	10.8	-0.358	-0.0004	-2.5 to 2.5	Pass
					12	-0.958	-0.0011	-2.5 to 2.5	Pass
					13.2	-4.091	-0.0049	-2.5 to 2.5	Pass
				-30	12	-3.805	-0.0045	-2.5 to 2.5	Pass
				-20	12	-0.458	-0.0005	-2.5 to 2.5	Pass
				-10	12	-1.888	-0.0023	-2.5 to 2.5	Pass
				0	12	-0.687	-0.0008	-2.5 to 2.5	Pass
				10	12	-2.618	-0.0031	-2.5 to 2.5	Pass
				30	12	-1.688	-0.0020	-2.5 to 2.5	Pass
				40	12	-0.229	-0.0003	-2.5 to 2.5	Pass
	50	12	-2.718	-0.0032	-2.5 to 2.5	Pass			
	846.5	25	0	20	10.8	-3.061	-0.0036	-2.5 to 2.5	Pass
					12	-0.229	-0.0003	-2.5 to 2.5	Pass
					13.2	-0.944	-0.0011	-2.5 to 2.5	Pass
				-30	12	-1.645	-0.0019	-2.5 to 2.5	Pass
				-20	12	-0.215	-0.0003	-2.5 to 2.5	Pass
-10				12	-1.402	-0.0017	-2.5 to 2.5	Pass	
0				12	-3.347	-0.0040	-2.5 to 2.5	Pass	



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				10	12	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	12	-0.329	-0.0004	-2.5 to 2.5	Pass
				40	12	-1.574	-0.0019	-2.5 to 2.5	Pass
				50	12	-1.702	-0.0020	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	10.8	-0.186	-0.0002	-2.5 to 2.5	Pass
					12	-1.717	-0.0021	-2.5 to 2.5	Pass
					13.2	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				-20	12	-4.349	-0.0053	-2.5 to 2.5	Pass
				-10	12	-2.546	-0.0031	-2.5 to 2.5	Pass
				0	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				10	12	-1.631	-0.0020	-2.5 to 2.5	Pass
				30	12	-1.059	-0.0013	-2.5 to 2.5	Pass
				40	12	1.259	0.0015	-2.5 to 2.5	Pass
				50	12	-0.687	-0.0008	-2.5 to 2.5	Pass
				836.5	25	0	20	10.8	-1.531
	12	-0.501	-0.0006					-2.5 to 2.5	Pass
	13.2	-4.520	-0.0054					-2.5 to 2.5	Pass
	-30	12	-3.133				-0.0037	-2.5 to 2.5	Pass
	-20	12	-1.159				-0.0014	-2.5 to 2.5	Pass
	-10	12	-2.360				-0.0028	-2.5 to 2.5	Pass
	0	12	0.629				0.0008	-2.5 to 2.5	Pass
	10	12	-4.277				-0.0051	-2.5 to 2.5	Pass
	30	12	-2.761				-0.0033	-2.5 to 2.5	Pass
	40	12	-1.230				-0.0015	-2.5 to 2.5	Pass
	50	12	-2.017				-0.0024	-2.5 to 2.5	Pass
	846.5	25	0				20	10.8	0.973
				12	-0.029	0.0000		-2.5 to 2.5	Pass
				13.2	-2.074	-0.0025		-2.5 to 2.5	Pass
				-30	12	0.801	0.0009	-2.5 to 2.5	Pass
				-20	12	2.174	0.0026	-2.5 to 2.5	Pass
				-10	12	1.860	0.0022	-2.5 to 2.5	Pass
				0	12	1.845	0.0022	-2.5 to 2.5	Pass
				10	12	-1.345	-0.0016	-2.5 to 2.5	Pass
30				12	0.815	0.0010	-2.5 to 2.5	Pass	
40				12	1.087	0.0013	-2.5 to 2.5	Pass	
50				12	-0.386	-0.0005	-2.5 to 2.5	Pass	
64QAM				826.5	25	0	20	10.8	-1.187
	12	-0.415	-0.0005					-2.5 to 2.5	Pass
	13.2	-0.343	-0.0004					-2.5 to 2.5	Pass
	-30	12	-0.615				-0.0007	-2.5 to 2.5	Pass
	-20	12	-3.977				-0.0048	-2.5 to 2.5	Pass
	-10	12	-3.576				-0.0043	-2.5 to 2.5	Pass
	0	12	-1.545				-0.0019	-2.5 to 2.5	Pass
	10	12	-0.501				-0.0006	-2.5 to 2.5	Pass
	30	12	1.073				0.0013	-2.5 to 2.5	Pass
	40	12	-1.187				-0.0014	-2.5 to 2.5	Pass
	50	12	-1.760				-0.0021	-2.5 to 2.5	Pass
	836.5	25	0				20	10.8	-0.587
				12	-0.758	-0.0009		-2.5 to 2.5	Pass
				13.2	0.501	0.0006		-2.5 to 2.5	Pass
				-30	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				-20	12	1.745	0.0021	-2.5 to 2.5	Pass
				-10	12	-1.817	-0.0022	-2.5 to 2.5	Pass



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				0	12	0.744	0.0009	-2.5 to 2.5	Pass
				10	12	-0.529	-0.0006	-2.5 to 2.5	Pass
				30	12	-0.815	-0.0010	-2.5 to 2.5	Pass
				40	12	-3.090	-0.0037	-2.5 to 2.5	Pass
				50	12	-1.631	-0.0019	-2.5 to 2.5	Pass
	846.5	25	0	20	10.8	-0.744	-0.0009	-2.5 to 2.5	Pass
					12	-1.760	-0.0021	-2.5 to 2.5	Pass
					13.2	-2.832	-0.0033	-2.5 to 2.5	Pass
				-30	12	0.501	0.0006	-2.5 to 2.5	Pass
				-20	12	0.315	0.0004	-2.5 to 2.5	Pass
				-10	12	-1.788	-0.0021	-2.5 to 2.5	Pass
				0	12	-2.174	-0.0026	-2.5 to 2.5	Pass
				10	12	-0.587	-0.0007	-2.5 to 2.5	Pass
				30	12	-0.873	-0.0010	-2.5 to 2.5	Pass
				40	12	-0.558	-0.0007	-2.5 to 2.5	Pass
				50	12	-2.432	-0.0029	-2.5 to 2.5	Pass
	826.5	25	0	20	10.8	-10.500	-0.0127	-2.5 to 2.5	Pass
					12	-22.216	-0.0269	-2.5 to 2.5	Pass
					13.2	-8.340	-0.0101	-2.5 to 2.5	Pass
				-30	12	-3.834	-0.0046	-2.5 to 2.5	Pass
				-20	12	6.380	0.0077	-2.5 to 2.5	Pass
				-10	12	2.675	0.0032	-2.5 to 2.5	Pass
				0	12	4.277	0.0052	-2.5 to 2.5	Pass
				10	12	0.558	0.0007	-2.5 to 2.5	Pass
				30	12	1.745	0.0021	-2.5 to 2.5	Pass
				40	12	0.186	0.0002	-2.5 to 2.5	Pass
				50	12	-0.515	-0.0006	-2.5 to 2.5	Pass
256QAM	836.5	25	0	20	10.8	0.615	0.0007	-2.5 to 2.5	Pass
					12	-2.275	-0.0027	-2.5 to 2.5	Pass
					13.2	-1.316	-0.0016	-2.5 to 2.5	Pass
				-30	12	-3.047	-0.0036	-2.5 to 2.5	Pass
				-20	12	-2.732	-0.0033	-2.5 to 2.5	Pass
				-10	12	-3.390	-0.0041	-2.5 to 2.5	Pass
				0	12	-2.961	-0.0035	-2.5 to 2.5	Pass
				10	12	-3.762	-0.0045	-2.5 to 2.5	Pass
				30	12	0.529	0.0006	-2.5 to 2.5	Pass
				40	12	-3.262	-0.0039	-2.5 to 2.5	Pass
				50	12	-3.090	-0.0037	-2.5 to 2.5	Pass
	846.5	25	0	20	10.8	-1.416	-0.0017	-2.5 to 2.5	Pass
					12	-3.877	-0.0046	-2.5 to 2.5	Pass
					13.2	-2.618	-0.0031	-2.5 to 2.5	Pass
				-30	12	-2.489	-0.0029	-2.5 to 2.5	Pass
				-20	12	-1.488	-0.0018	-2.5 to 2.5	Pass
				-10	12	-1.159	-0.0014	-2.5 to 2.5	Pass
				0	12	-0.558	-0.0007	-2.5 to 2.5	Pass
				10	12	-0.272	-0.0003	-2.5 to 2.5	Pass
				30	12	-3.476	-0.0041	-2.5 to 2.5	Pass
				40	12	-0.572	-0.0007	-2.5 to 2.5	Pass
				50	12	0.257	0.0003	-2.5 to 2.5	Pass

7.4 B26b_10MHz



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Test Report Form Version: Rev01

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7.4.1 Test Result

Band: 26b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	10.8	-0.100	-0.0001	-2.5 to 2.5	Pass
					12	-1.616	-0.0019	-2.5 to 2.5	Pass
					13.2	-0.458	-0.0006	-2.5 to 2.5	Pass
				-30	12	0.558	0.0007	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0005	-2.5 to 2.5	Pass
				-10	12	-0.229	-0.0003	-2.5 to 2.5	Pass
				0	12	0.772	0.0009	-2.5 to 2.5	Pass
				10	12	0.687	0.0008	-2.5 to 2.5	Pass
				30	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				40	12	-0.558	-0.0007	-2.5 to 2.5	Pass
	836.5	50	0	50	12	-2.275	-0.0027	-2.5 to 2.5	Pass
				20	10.8	-4.935	-0.0059	-2.5 to 2.5	Pass
					12	-2.675	-0.0032	-2.5 to 2.5	Pass
					13.2	-3.319	-0.0040	-2.5 to 2.5	Pass
				-30	12	-4.249	-0.0051	-2.5 to 2.5	Pass
				-20	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				-10	12	-2.890	-0.0035	-2.5 to 2.5	Pass
				0	12	-3.133	-0.0037	-2.5 to 2.5	Pass
				10	12	-3.691	-0.0044	-2.5 to 2.5	Pass
				30	12	-4.792	-0.0057	-2.5 to 2.5	Pass
				40	12	-5.178	-0.0062	-2.5 to 2.5	Pass
	844	50	0	50	12	-2.775	-0.0033	-2.5 to 2.5	Pass
				20	10.8	1.416	0.0017	-2.5 to 2.5	Pass
					12	1.945	0.0023	-2.5 to 2.5	Pass
					13.2	-1.044	-0.0012	-2.5 to 2.5	Pass
				-30	12	0.329	0.0004	-2.5 to 2.5	Pass
				-20	12	0.386	0.0005	-2.5 to 2.5	Pass
				-10	12	2.117	0.0025	-2.5 to 2.5	Pass
				0	12	0.787	0.0009	-2.5 to 2.5	Pass
				10	12	1.702	0.0020	-2.5 to 2.5	Pass
				30	12	-2.360	-0.0028	-2.5 to 2.5	Pass
				40	12	-1.144	-0.0014	-2.5 to 2.5	Pass
16QAM	829	50	0	20	10.8	-0.672	-0.0008	-2.5 to 2.5	Pass
					12	-2.689	-0.0032	-2.5 to 2.5	Pass
					13.2	-2.346	-0.0028	-2.5 to 2.5	Pass
				-30	12	-3.605	-0.0043	-2.5 to 2.5	Pass
				-20	12	-2.146	-0.0026	-2.5 to 2.5	Pass
				-10	12	-0.443	-0.0005	-2.5 to 2.5	Pass
				0	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.672	-0.0008	-2.5 to 2.5	Pass
				30	12	-2.403	-0.0029	-2.5 to 2.5	Pass
				40	12	-0.372	-0.0004	-2.5 to 2.5	Pass
	836.5	50	0	50	12	-2.804	-0.0034	-2.5 to 2.5	Pass
				20	10.8	-4.492	-0.0054	-2.5 to 2.5	Pass
					12	-2.947	-0.0035	-2.5 to 2.5	Pass
					13.2	-1.917	-0.0023	-2.5 to 2.5	Pass
				-30	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				-20	12	-3.762	-0.0045	-2.5 to 2.5	Pass



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				-10	12	-1.559	-0.0019	-2.5 to 2.5	Pass
				0	12	-2.546	-0.0030	-2.5 to 2.5	Pass
				10	12	-1.717	-0.0021	-2.5 to 2.5	Pass
				30	12	-3.405	-0.0041	-2.5 to 2.5	Pass
				40	12	-0.715	-0.0009	-2.5 to 2.5	Pass
				50	12	-2.260	-0.0027	-2.5 to 2.5	Pass
	844	50	0	20	10.8	-2.103	-0.0025	-2.5 to 2.5	Pass
					12	-2.174	-0.0026	-2.5 to 2.5	Pass
					13.2	-0.830	-0.0010	-2.5 to 2.5	Pass
				-30	12	-1.731	-0.0021	-2.5 to 2.5	Pass
				-20	12	-1.202	-0.0014	-2.5 to 2.5	Pass
				-10	12	-1.431	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.631	-0.0019	-2.5 to 2.5	Pass
				10	12	-2.375	-0.0028	-2.5 to 2.5	Pass
				30	12	-1.330	-0.0016	-2.5 to 2.5	Pass
				40	12	-0.844	-0.0010	-2.5 to 2.5	Pass
				50	12	0.057	0.0001	-2.5 to 2.5	Pass
64QAM	829	50	0	20	10.8	2.418	0.0029	-2.5 to 2.5	Pass
					12	-0.744	-0.0009	-2.5 to 2.5	Pass
					13.2	1.216	0.0015	-2.5 to 2.5	Pass
				-30	12	0.787	0.0009	-2.5 to 2.5	Pass
				-20	12	0.858	0.0010	-2.5 to 2.5	Pass
				-10	12	-0.544	-0.0007	-2.5 to 2.5	Pass
				0	12	-0.186	-0.0002	-2.5 to 2.5	Pass
				10	12	0.944	0.0011	-2.5 to 2.5	Pass
				30	12	0.801	0.0010	-2.5 to 2.5	Pass
				40	12	-1.988	-0.0024	-2.5 to 2.5	Pass
				50	12	-0.129	-0.0002	-2.5 to 2.5	Pass
	836.5	50	0	20	10.8	0.558	0.0007	-2.5 to 2.5	Pass
					12	-1.373	-0.0016	-2.5 to 2.5	Pass
					13.2	0.386	0.0005	-2.5 to 2.5	Pass
				-30	12	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	12	1.388	0.0017	-2.5 to 2.5	Pass
				-10	12	-0.372	-0.0004	-2.5 to 2.5	Pass
				0	12	0.086	0.0001	-2.5 to 2.5	Pass
				10	12	-0.372	-0.0004	-2.5 to 2.5	Pass
				30	12	0.286	0.0003	-2.5 to 2.5	Pass
				40	12	-1.616	-0.0019	-2.5 to 2.5	Pass
				50	12	0.672	0.0008	-2.5 to 2.5	Pass
	844	50	0	20	10.8	1.717	0.0020	-2.5 to 2.5	Pass
					12	-1.073	-0.0013	-2.5 to 2.5	Pass
					13.2	0.858	0.0010	-2.5 to 2.5	Pass
				-30	12	0.472	0.0006	-2.5 to 2.5	Pass
				-20	12	0.386	0.0005	-2.5 to 2.5	Pass
				-10	12	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	12	-1.159	-0.0014	-2.5 to 2.5	Pass
				10	12	-1.545	-0.0018	-2.5 to 2.5	Pass
				30	12	-1.273	-0.0015	-2.5 to 2.5	Pass
				40	12	-2.861	-0.0034	-2.5 to 2.5	Pass
256QAM	829	50	0	20	10.8	1.588	0.0019	-2.5 to 2.5	Pass
					12	-0.830	-0.0010	-2.5 to 2.5	Pass
					13.2	-1.402	-0.0017	-2.5 to 2.5	Pass
				-30	12	0.844	0.0010	-2.5 to 2.5	Pass



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				-20	12	1.416	0.0017	-2.5 to 2.5	Pass
				-10	12	1.245	0.0015	-2.5 to 2.5	Pass
				0	12	0.272	0.0003	-2.5 to 2.5	Pass
				10	12	3.576	0.0043	-2.5 to 2.5	Pass
				30	12	0.358	0.0004	-2.5 to 2.5	Pass
				40	12	0.644	0.0008	-2.5 to 2.5	Pass
				50	12	2.346	0.0028	-2.5 to 2.5	Pass
	836.5	50	0	20	10.8	-1.531	-0.0018	-2.5 to 2.5	Pass
					12	-0.587	-0.0007	-2.5 to 2.5	Pass
					13.2	0.544	0.0007	-2.5 to 2.5	Pass
				-30	12	-1.602	-0.0019	-2.5 to 2.5	Pass
				-20	12	-1.760	-0.0021	-2.5 to 2.5	Pass
				-10	12	-1.388	-0.0017	-2.5 to 2.5	Pass
				0	12	-1.974	-0.0024	-2.5 to 2.5	Pass
				10	12	-1.574	-0.0019	-2.5 to 2.5	Pass
				30	12	-0.744	-0.0009	-2.5 to 2.5	Pass
				40	12	-2.403	-0.0029	-2.5 to 2.5	Pass
				50	12	-3.633	-0.0043	-2.5 to 2.5	Pass
	844	50	0	20	10.8	-1.531	-0.0018	-2.5 to 2.5	Pass
					12	0.200	0.0002	-2.5 to 2.5	Pass
					13.2	-1.187	-0.0014	-2.5 to 2.5	Pass
				-30	12	0.157	0.0002	-2.5 to 2.5	Pass
				-20	12	-0.744	-0.0009	-2.5 to 2.5	Pass
				-10	12	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	12	-0.801	-0.0009	-2.5 to 2.5	Pass
				10	12	0.300	0.0004	-2.5 to 2.5	Pass
				30	12	0.873	0.0010	-2.5 to 2.5	Pass
				40	12	-0.329	-0.0004	-2.5 to 2.5	Pass
				50	12	0.987	0.0012	-2.5 to 2.5	Pass



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8. Frequency Stability

8.1 B26c_15MHz

8.1.1 Test Result

Band: 26c / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	831.5	75	0	20	10.8	-1.173	-0.0014	-2.5 to 2.5	Pass
					12	0.687	0.0008	-2.5 to 2.5	Pass
					13.2	-0.544	-0.0007	-2.5 to 2.5	Pass
				-30	12	-0.958	-0.0012	-2.5 to 2.5	Pass
				-20	12	-2.975	-0.0036	-2.5 to 2.5	Pass
				-10	12	-1.259	-0.0015	-2.5 to 2.5	Pass
				0	12	-2.475	-0.0030	-2.5 to 2.5	Pass
				10	12	-0.873	-0.0010	-2.5 to 2.5	Pass
				30	12	-0.415	-0.0005	-2.5 to 2.5	Pass
				40	12	-3.819	-0.0046	-2.5 to 2.5	Pass
				50	12	-0.787	-0.0009	-2.5 to 2.5	Pass
	836.5	75	0	20	10.8	-2.232	-0.0027	-2.5 to 2.5	Pass
					12	-2.317	-0.0028	-2.5 to 2.5	Pass
					13.2	-0.644	-0.0008	-2.5 to 2.5	Pass
				-30	12	-1.416	-0.0017	-2.5 to 2.5	Pass
				-20	12	-0.486	-0.0006	-2.5 to 2.5	Pass
				-10	12	-1.245	-0.0015	-2.5 to 2.5	Pass
				0	12	-0.658	-0.0008	-2.5 to 2.5	Pass
				10	12	-1.888	-0.0023	-2.5 to 2.5	Pass
				30	12	-0.887	-0.0011	-2.5 to 2.5	Pass
				40	12	-3.047	-0.0036	-2.5 to 2.5	Pass
				50	12	-0.815	-0.0010	-2.5 to 2.5	Pass
	841.5	75	0	20	10.8	-0.916	-0.0011	-2.5 to 2.5	Pass
					12	-3.119	-0.0037	-2.5 to 2.5	Pass
					13.2	1.130	0.0013	-2.5 to 2.5	Pass
				-30	12	-1.960	-0.0023	-2.5 to 2.5	Pass
				-20	12	-1.874	-0.0022	-2.5 to 2.5	Pass
				-10	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				0	12	-2.446	-0.0029	-2.5 to 2.5	Pass
				10	12	-2.017	-0.0024	-2.5 to 2.5	Pass
				30	12	-2.275	-0.0027	-2.5 to 2.5	Pass
				40	12	-0.787	-0.0009	-2.5 to 2.5	Pass
				50	12	-2.203	-0.0026	-2.5 to 2.5	Pass
16QAM	831.5	75	0	20	10.8	0.386	0.0005	-2.5 to 2.5	Pass
					12	-0.601	-0.0007	-2.5 to 2.5	Pass
					13.2	-0.658	-0.0008	-2.5 to 2.5	Pass
				-30	12	-0.129	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.286	-0.0003	-2.5 to 2.5	Pass
				-10	12	-0.415	-0.0005	-2.5 to 2.5	Pass
				0	12	-0.801	-0.0010	-2.5 to 2.5	Pass
				10	12	-1.373	-0.0017	-2.5 to 2.5	Pass
				30	12	0.143	0.0002	-2.5 to 2.5	Pass
				40	12	0.014	0.0000	-2.5 to 2.5	Pass



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	836.5	75	0	50	12	-1.287	-0.0015	-2.5 to 2.5	Pass
				20	10.8	-0.272	-0.0003	-2.5 to 2.5	Pass
					12	-2.332	-0.0028	-2.5 to 2.5	Pass
					13.2	-2.389	-0.0029	-2.5 to 2.5	Pass
				-30	12	-0.987	-0.0012	-2.5 to 2.5	Pass
				-20	12	-0.372	-0.0004	-2.5 to 2.5	Pass
				-10	12	-0.672	-0.0008	-2.5 to 2.5	Pass
				0	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				10	12	-1.860	-0.0022	-2.5 to 2.5	Pass
				30	12	-0.029	0.0000	-2.5 to 2.5	Pass
	841.5	75	0	40	12	-0.286	-0.0003	-2.5 to 2.5	Pass
				50	12	-1.974	-0.0024	-2.5 to 2.5	Pass
				20	10.8	-1.016	-0.0012	-2.5 to 2.5	Pass
					12	-0.501	-0.0006	-2.5 to 2.5	Pass
					13.2	-1.230	-0.0015	-2.5 to 2.5	Pass
				-30	12	-0.458	-0.0005	-2.5 to 2.5	Pass
				-20	12	0.086	0.0001	-2.5 to 2.5	Pass
				-10	12	-2.232	-0.0027	-2.5 to 2.5	Pass
				0	12	-2.618	-0.0031	-2.5 to 2.5	Pass
				10	12	-2.332	-0.0028	-2.5 to 2.5	Pass
64QAM	831.5	75	0	30	12	-0.687	-0.0008	-2.5 to 2.5	Pass
				40	12	-1.001	-0.0012	-2.5 to 2.5	Pass
				50	12	-2.832	-0.0034	-2.5 to 2.5	Pass
				20	10.8	-0.358	-0.0004	-2.5 to 2.5	Pass
					12	-1.874	-0.0023	-2.5 to 2.5	Pass
					13.2	-1.731	-0.0021	-2.5 to 2.5	Pass
				-30	12	-0.558	-0.0007	-2.5 to 2.5	Pass
				-20	12	-1.717	-0.0021	-2.5 to 2.5	Pass
				-10	12	-1.888	-0.0023	-2.5 to 2.5	Pass
				0	12	0.257	0.0003	-2.5 to 2.5	Pass
	836.5	75	0	10	12	-0.272	-0.0003	-2.5 to 2.5	Pass
				30	12	-0.043	-0.0001	-2.5 to 2.5	Pass
				40	12	-0.873	-0.0010	-2.5 to 2.5	Pass
				50	12	-1.988	-0.0024	-2.5 to 2.5	Pass
				20	10.8	-0.272	-0.0003	-2.5 to 2.5	Pass
					12	-3.119	-0.0037	-2.5 to 2.5	Pass
					13.2	1.445	0.0017	-2.5 to 2.5	Pass
				-30	12	-1.674	-0.0020	-2.5 to 2.5	Pass
				-20	12	-2.933	-0.0035	-2.5 to 2.5	Pass
				-10	12	0.787	0.0009	-2.5 to 2.5	Pass
	841.5	75	0	0	12	-1.059	-0.0013	-2.5 to 2.5	Pass
				10	12	-2.418	-0.0029	-2.5 to 2.5	Pass
				30	12	-2.089	-0.0025	-2.5 to 2.5	Pass
				40	12	-2.933	-0.0035	-2.5 to 2.5	Pass
				50	12	-0.515	-0.0006	-2.5 to 2.5	Pass
				20	10.8	0.029	0.0000	-2.5 to 2.5	Pass
					12	0.472	0.0006	-2.5 to 2.5	Pass
					13.2	-1.416	-0.0017	-2.5 to 2.5	Pass
				-30	12	-2.060	-0.0024	-2.5 to 2.5	Pass
				-20	12	-1.373	-0.0016	-2.5 to 2.5	Pass
				-10	12	-0.916	-0.0011	-2.5 to 2.5	Pass
				0	12	-0.873	-0.0010	-2.5 to 2.5	Pass
				10	12	-2.117	-0.0025	-2.5 to 2.5	Pass
				30	12	-2.360	-0.0028	-2.5 to 2.5	Pass



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				40	12	-1.373	-0.0016	-2.5 to 2.5	Pass
				50	12	-1.287	-0.0015	-2.5 to 2.5	Pass
256QAM	831.5	75	0	20	10.8	-0.458	-0.0006	-2.5 to 2.5	Pass
					12	0.157	0.0002	-2.5 to 2.5	Pass
					13.2	-2.217	-0.0027	-2.5 to 2.5	Pass
				-30	12	-0.944	-0.0011	-2.5 to 2.5	Pass
				-20	12	-1.087	-0.0013	-2.5 to 2.5	Pass
				-10	12	0.901	0.0011	-2.5 to 2.5	Pass
				0	12	-0.644	-0.0008	-2.5 to 2.5	Pass
				10	12	0.744	0.0009	-2.5 to 2.5	Pass
				30	12	-1.230	-0.0015	-2.5 to 2.5	Pass
				40	12	-0.215	-0.0003	-2.5 to 2.5	Pass
				50	12	-1.159	-0.0014	-2.5 to 2.5	Pass
	836.5	75	0	20	10.8	-1.559	-0.0019	-2.5 to 2.5	Pass
					12	-0.014	0.0000	-2.5 to 2.5	Pass
					13.2	-2.246	-0.0027	-2.5 to 2.5	Pass
				-30	12	0.257	0.0003	-2.5 to 2.5	Pass
				-20	12	-3.290	-0.0039	-2.5 to 2.5	Pass
				-10	12	-3.090	-0.0037	-2.5 to 2.5	Pass
				0	12	-0.930	-0.0011	-2.5 to 2.5	Pass
				10	12	-1.931	-0.0023	-2.5 to 2.5	Pass
				30	12	0.343	0.0004	-2.5 to 2.5	Pass
				40	12	-2.317	-0.0028	-2.5 to 2.5	Pass
				50	12	0.415	0.0005	-2.5 to 2.5	Pass
	841.5	75	0	20	10.8	-1.373	-0.0016	-2.5 to 2.5	Pass
					12	-2.933	-0.0035	-2.5 to 2.5	Pass
					13.2	-0.329	-0.0004	-2.5 to 2.5	Pass
				-30	12	-0.858	-0.0010	-2.5 to 2.5	Pass
				-20	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				-10	12	-0.930	-0.0011	-2.5 to 2.5	Pass
				0	12	-1.144	-0.0014	-2.5 to 2.5	Pass
				10	12	-2.246	-0.0027	-2.5 to 2.5	Pass
				30	12	-3.419	-0.0041	-2.5 to 2.5	Pass
				40	12	-2.475	-0.0029	-2.5 to 2.5	Pass
				50	12	-2.117	-0.0025	-2.5 to 2.5	Pass



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9. Frequency Stability

9.1 B38_5MHz

9.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	10.8	2.632	0.0010	-2.5 to 2.5	Pass
					12	-1.960	-0.0008	-2.5 to 2.5	Pass
					13.2	1.330	0.0005	-2.5 to 2.5	Pass
				-30	12	4.749	0.0018	-2.5 to 2.5	Pass
				-20	12	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	12	2.975	0.0012	-2.5 to 2.5	Pass
				0	12	2.060	0.0008	-2.5 to 2.5	Pass
				10	12	6.437	0.0025	-2.5 to 2.5	Pass
				30	12	4.292	0.0017	-2.5 to 2.5	Pass
				40	12	1.888	0.0007	-2.5 to 2.5	Pass
				50	12	1.087	0.0004	-2.5 to 2.5	Pass
	2595	25	0	20	10.8	-0.129	0.0000	-2.5 to 2.5	Pass
					12	0.830	0.0003	-2.5 to 2.5	Pass
					13.2	7.668	0.0030	-2.5 to 2.5	Pass
				-30	12	6.194	0.0024	-2.5 to 2.5	Pass
				-20	12	9.012	0.0035	-2.5 to 2.5	Pass
				-10	12	5.336	0.0021	-2.5 to 2.5	Pass
				0	12	10.686	0.0041	-2.5 to 2.5	Pass
				10	12	7.038	0.0027	-2.5 to 2.5	Pass
				30	12	7.539	0.0029	-2.5 to 2.5	Pass
				40	12	7.596	0.0029	-2.5 to 2.5	Pass
				50	12	2.990	0.0012	-2.5 to 2.5	Pass
	2617.5	25	0	20	10.8	4.206	0.0016	-2.5 to 2.5	Pass
					12	3.533	0.0013	-2.5 to 2.5	Pass
					13.2	4.063	0.0016	-2.5 to 2.5	Pass
				-30	12	0.157	0.0001	-2.5 to 2.5	Pass
				-20	12	4.792	0.0018	-2.5 to 2.5	Pass
				-10	12	1.588	0.0006	-2.5 to 2.5	Pass
				0	12	-0.072	0.0000	-2.5 to 2.5	Pass
				10	12	6.051	0.0023	-2.5 to 2.5	Pass
				30	12	-3.161	-0.0012	-2.5 to 2.5	Pass
				40	12	1.101	0.0004	-2.5 to 2.5	Pass
				50	12	-2.060	-0.0008	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	10.8	9.599	0.0037	-2.5 to 2.5	Pass
					12	1.559	0.0006	-2.5 to 2.5	Pass
					13.2	-1.931	-0.0008	-2.5 to 2.5	Pass
				-30	12	-0.658	-0.0003	-2.5 to 2.5	Pass
				-20	12	1.259	0.0005	-2.5 to 2.5	Pass
				-10	12	-17.223	-0.0067	-2.5 to 2.5	Pass
				0	12	-4.835	-0.0019	-2.5 to 2.5	Pass
				10	12	2.632	0.0010	-2.5 to 2.5	Pass
				30	12	3.777	0.0015	-2.5 to 2.5	Pass
				40	12	0.973	0.0004	-2.5 to 2.5	Pass



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	2595	25	0	50	12	-0.300	-0.0001	-2.5 to 2.5	Pass
				20	10.8	8.869	0.0034	-2.5 to 2.5	Pass
					12	8.054	0.0031	-2.5 to 2.5	Pass
					13.2	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	12	0.801	0.0003	-2.5 to 2.5	Pass
				-20	12	6.151	0.0024	-2.5 to 2.5	Pass
				-10	12	-0.486	-0.0002	-2.5 to 2.5	Pass
				0	12	-1.602	-0.0006	-2.5 to 2.5	Pass
				10	12	14.420	0.0056	-2.5 to 2.5	Pass
				30	12	6.108	0.0024	-2.5 to 2.5	Pass
	2617.5	25	0	40	12	7.095	0.0027	-2.5 to 2.5	Pass
				50	12	-0.043	0.0000	-2.5 to 2.5	Pass
				20	10.8	-1.659	-0.0006	-2.5 to 2.5	Pass
					12	2.189	0.0008	-2.5 to 2.5	Pass
					13.2	3.061	0.0012	-2.5 to 2.5	Pass
				-30	12	5.779	0.0022	-2.5 to 2.5	Pass
				-20	12	5.064	0.0019	-2.5 to 2.5	Pass
				-10	12	4.721	0.0018	-2.5 to 2.5	Pass
				0	12	5.264	0.0020	-2.5 to 2.5	Pass
				10	12	-0.486	-0.0002	-2.5 to 2.5	Pass
64QAM	2572.5	25	0	30	12	6.595	0.0025	-2.5 to 2.5	Pass
				40	12	-6.223	-0.0024	-2.5 to 2.5	Pass
				50	12	0.429	0.0002	-2.5 to 2.5	Pass
				20	10.8	5.178	0.0020	-2.5 to 2.5	Pass
					12	8.698	0.0034	-2.5 to 2.5	Pass
					13.2	2.646	0.0010	-2.5 to 2.5	Pass
				-30	12	-2.131	-0.0008	-2.5 to 2.5	Pass
				-20	12	0.587	0.0002	-2.5 to 2.5	Pass
				-10	12	5.422	0.0021	-2.5 to 2.5	Pass
				0	12	7.310	0.0028	-2.5 to 2.5	Pass
	2595	25	0	10	12	-2.418	-0.0009	-2.5 to 2.5	Pass
				30	12	1.559	0.0006	-2.5 to 2.5	Pass
				40	12	0.687	0.0003	-2.5 to 2.5	Pass
				50	12	6.781	0.0026	-2.5 to 2.5	Pass
				20	10.8	4.263	0.0016	-2.5 to 2.5	Pass
					12	8.984	0.0035	-2.5 to 2.5	Pass
					13.2	4.206	0.0016	-2.5 to 2.5	Pass
				-30	12	3.633	0.0014	-2.5 to 2.5	Pass
				-20	12	5.651	0.0022	-2.5 to 2.5	Pass
				-10	12	2.017	0.0008	-2.5 to 2.5	Pass
	2617.5	25	0	0	12	0.086	0.0000	-2.5 to 2.5	Pass
				10	12	-0.944	-0.0004	-2.5 to 2.5	Pass
				30	12	1.731	0.0007	-2.5 to 2.5	Pass
				40	12	5.922	0.0023	-2.5 to 2.5	Pass
				50	12	4.721	0.0018	-2.5 to 2.5	Pass
				20	10.8	3.433	0.0013	-2.5 to 2.5	Pass
					12	0.558	0.0002	-2.5 to 2.5	Pass
					13.2	4.177	0.0016	-2.5 to 2.5	Pass
				-30	12	1.588	0.0006	-2.5 to 2.5	Pass
				-20	12	-2.217	-0.0008	-2.5 to 2.5	Pass
				-10	12	1.416	0.0005	-2.5 to 2.5	Pass
				0	12	3.848	0.0015	-2.5 to 2.5	Pass
				10	12	2.360	0.0009	-2.5 to 2.5	Pass
				30	12	3.390	0.0013	-2.5 to 2.5	Pass



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 056-512157350883 056-512157370911 sgs.china@sgs.com

				40	12	2.832	0.0011	-2.5 to 2.5	Pass
				50	12	5.479	0.0021	-2.5 to 2.5	Pass
256QAM	2572.5	25	0	20	10.8	3.376	0.0013	-2.5 to 2.5	Pass
					12	1.431	0.0006	-2.5 to 2.5	Pass
					13.2	0.472	0.0002	-2.5 to 2.5	Pass
				-30	12	0.572	0.0002	-2.5 to 2.5	Pass
				-20	12	5.450	0.0021	-2.5 to 2.5	Pass
				-10	12	4.063	0.0016	-2.5 to 2.5	Pass
				0	12	1.988	0.0008	-2.5 to 2.5	Pass
				10	12	-0.072	0.0000	-2.5 to 2.5	Pass
				30	12	2.089	0.0008	-2.5 to 2.5	Pass
				40	12	5.307	0.0021	-2.5 to 2.5	Pass
	50	12	2.460	0.0010	-2.5 to 2.5	Pass			
	2595	25	0	20	10.8	7.153	0.0028	-2.5 to 2.5	Pass
					12	-0.472	-0.0002	-2.5 to 2.5	Pass
					13.2	7.052	0.0027	-2.5 to 2.5	Pass
				-30	12	1.359	0.0005	-2.5 to 2.5	Pass
				-20	12	1.545	0.0006	-2.5 to 2.5	Pass
				-10	12	6.723	0.0026	-2.5 to 2.5	Pass
				0	12	3.805	0.0015	-2.5 to 2.5	Pass
				10	12	1.359	0.0005	-2.5 to 2.5	Pass
				30	12	0.772	0.0003	-2.5 to 2.5	Pass
				40	12	12.259	0.0047	-2.5 to 2.5	Pass
	50	12	-0.615	-0.0002	-2.5 to 2.5	Pass			
	2617.5	25	0	20	10.8	0.329	0.0001	-2.5 to 2.5	Pass
					12	2.589	0.0010	-2.5 to 2.5	Pass
					13.2	-3.104	-0.0012	-2.5 to 2.5	Pass
				-30	12	2.990	0.0011	-2.5 to 2.5	Pass
				-20	12	1.273	0.0005	-2.5 to 2.5	Pass
-10				12	2.418	0.0009	-2.5 to 2.5	Pass	
0				12	5.565	0.0021	-2.5 to 2.5	Pass	
10				12	2.804	0.0011	-2.5 to 2.5	Pass	
30				12	-1.388	-0.0005	-2.5 to 2.5	Pass	
40				12	-1.388	-0.0005	-2.5 to 2.5	Pass	
50	12	0.386	0.0001	-2.5 to 2.5	Pass				

9.2 B38 10MHz

9.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	10.8	3.476	0.0013	-2.5 to 2.5	Pass
					12	3.233	0.0013	-2.5 to 2.5	Pass
					13.2	0.815	0.0003	-2.5 to 2.5	Pass
				-30	12	-4.463	-0.0017	-2.5 to 2.5	Pass
				-20	12	1.273	0.0005	-2.5 to 2.5	Pass
				-10	12	5.651	0.0022	-2.5 to 2.5	Pass
				0	12	0.472	0.0002	-2.5 to 2.5	Pass
				10	12	3.119	0.0012	-2.5 to 2.5	Pass
				30	12	2.561	0.0010	-2.5 to 2.5	Pass



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				40	12	4.978	0.0019	-2.5 to 2.5	Pass
				50	12	2.804	0.0011	-2.5 to 2.5	Pass
	2595	50	0	20	10.8	2.747	0.0011	-2.5 to 2.5	Pass
					12	4.478	0.0017	-2.5 to 2.5	Pass
					13.2	4.320	0.0017	-2.5 to 2.5	Pass
				-30	12	5.593	0.0022	-2.5 to 2.5	Pass
				-20	12	7.110	0.0027	-2.5 to 2.5	Pass
				-10	12	5.264	0.0020	-2.5 to 2.5	Pass
				0	12	-2.017	-0.0008	-2.5 to 2.5	Pass
				10	12	-1.316	-0.0005	-2.5 to 2.5	Pass
				30	12	6.695	0.0026	-2.5 to 2.5	Pass
				40	12	-0.300	-0.0001	-2.5 to 2.5	Pass
	50	12	3.862	0.0015	-2.5 to 2.5	Pass			
	2615	50	0	20	10.8	-1.173	-0.0004	-2.5 to 2.5	Pass
					12	-1.173	-0.0004	-2.5 to 2.5	Pass
					13.2	-0.629	-0.0002	-2.5 to 2.5	Pass
				-30	12	7.224	0.0028	-2.5 to 2.5	Pass
				-20	12	2.947	0.0011	-2.5 to 2.5	Pass
				-10	12	2.403	0.0009	-2.5 to 2.5	Pass
				0	12	3.219	0.0012	-2.5 to 2.5	Pass
10				12	3.791	0.0014	-2.5 to 2.5	Pass	
30				12	4.349	0.0017	-2.5 to 2.5	Pass	
40				12	4.864	0.0019	-2.5 to 2.5	Pass	
50	12	1.874	0.0007	-2.5 to 2.5	Pass				
16QAM	2575	50	0	20	10.8	8.011	0.0031	-2.5 to 2.5	Pass
					12	-1.960	-0.0008	-2.5 to 2.5	Pass
					13.2	0.415	0.0002	-2.5 to 2.5	Pass
				-30	12	6.008	0.0023	-2.5 to 2.5	Pass
				-20	12	2.575	0.0010	-2.5 to 2.5	Pass
				-10	12	3.519	0.0014	-2.5 to 2.5	Pass
				0	12	4.349	0.0017	-2.5 to 2.5	Pass
				10	12	2.403	0.0009	-2.5 to 2.5	Pass
				30	12	4.749	0.0018	-2.5 to 2.5	Pass
				40	12	-0.286	-0.0001	-2.5 to 2.5	Pass
	50	12	7.124	0.0028	-2.5 to 2.5	Pass			
	2595	50	0	20	10.8	2.747	0.0011	-2.5 to 2.5	Pass
					12	4.334	0.0017	-2.5 to 2.5	Pass
					13.2	2.589	0.0010	-2.5 to 2.5	Pass
				-30	12	1.802	0.0007	-2.5 to 2.5	Pass
				-20	12	4.392	0.0017	-2.5 to 2.5	Pass
				-10	12	6.480	0.0025	-2.5 to 2.5	Pass
				0	12	3.562	0.0014	-2.5 to 2.5	Pass
				10	12	-0.901	-0.0003	-2.5 to 2.5	Pass
				30	12	-1.345	-0.0005	-2.5 to 2.5	Pass
				40	12	4.177	0.0016	-2.5 to 2.5	Pass
	50	12	2.689	0.0010	-2.5 to 2.5	Pass			
	2615	50	0	20	10.8	0.901	0.0003	-2.5 to 2.5	Pass
					12	6.638	0.0025	-2.5 to 2.5	Pass
					13.2	4.950	0.0019	-2.5 to 2.5	Pass
				-30	12	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	12	2.761	0.0011	-2.5 to 2.5	Pass
				-10	12	3.819	0.0015	-2.5 to 2.5	Pass
				0	12	7.610	0.0029	-2.5 to 2.5	Pass
				10	12	6.022	0.0023	-2.5 to 2.5	Pass



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				30	12	3.977	0.0015	-2.5 to 2.5	Pass	
				40	12	0.658	0.0003	-2.5 to 2.5	Pass	
				50	12	3.004	0.0011	-2.5 to 2.5	Pass	
64QAM	2575	50	0	20	10.8	3.877	0.0015	-2.5 to 2.5	Pass	
					12	4.864	0.0019	-2.5 to 2.5	Pass	
					13.2	0.830	0.0003	-2.5 to 2.5	Pass	
				-30	12	-2.189	-0.0009	-2.5 to 2.5	Pass	
				-20	12	2.818	0.0011	-2.5 to 2.5	Pass	
				-10	12	4.606	0.0018	-2.5 to 2.5	Pass	
				0	12	2.446	0.0009	-2.5 to 2.5	Pass	
				10	12	1.659	0.0006	-2.5 to 2.5	Pass	
				30	12	3.033	0.0012	-2.5 to 2.5	Pass	
				40	12	1.917	0.0007	-2.5 to 2.5	Pass	
	50	12	2.761	0.0011	-2.5 to 2.5	Pass				
	2595	50	0	20	10.8	-1.717	-0.0007	-2.5 to 2.5	Pass	
					12	3.204	0.0012	-2.5 to 2.5	Pass	
					13.2	-0.458	-0.0002	-2.5 to 2.5	Pass	
				-30	12	1.516	0.0006	-2.5 to 2.5	Pass	
				-20	12	3.090	0.0012	-2.5 to 2.5	Pass	
				-10	12	1.116	0.0004	-2.5 to 2.5	Pass	
				0	12	-0.658	-0.0003	-2.5 to 2.5	Pass	
				10	12	1.831	0.0007	-2.5 to 2.5	Pass	
				30	12	-0.658	-0.0003	-2.5 to 2.5	Pass	
				40	12	2.732	0.0011	-2.5 to 2.5	Pass	
	50	12	4.506	0.0017	-2.5 to 2.5	Pass				
	2615	50	0	20	10.8	4.921	0.0019	-2.5 to 2.5	Pass	
					12	2.332	0.0009	-2.5 to 2.5	Pass	
					13.2	5.636	0.0022	-2.5 to 2.5	Pass	
				-30	12	-5.279	-0.0020	-2.5 to 2.5	Pass	
				-20	12	0.615	0.0002	-2.5 to 2.5	Pass	
				-10	12	4.091	0.0016	-2.5 to 2.5	Pass	
				0	12	-1.044	-0.0004	-2.5 to 2.5	Pass	
				10	12	1.745	0.0007	-2.5 to 2.5	Pass	
				30	12	3.161	0.0012	-2.5 to 2.5	Pass	
				40	12	10.786	0.0041	-2.5 to 2.5	Pass	
	50	12	-0.672	-0.0003	-2.5 to 2.5	Pass				
	256QAM	2575	50	0	20	10.8	1.273	0.0005	-2.5 to 2.5	Pass
						12	2.117	0.0008	-2.5 to 2.5	Pass
						13.2	3.047	0.0012	-2.5 to 2.5	Pass
-30					12	0.544	0.0002	-2.5 to 2.5	Pass	
-20					12	5.507	0.0021	-2.5 to 2.5	Pass	
-10					12	-0.901	-0.0003	-2.5 to 2.5	Pass	
0					12	4.807	0.0019	-2.5 to 2.5	Pass	
10					12	2.289	0.0009	-2.5 to 2.5	Pass	
30					12	-5.865	-0.0023	-2.5 to 2.5	Pass	
40					12	6.266	0.0024	-2.5 to 2.5	Pass	
50		12	3.977	0.0015	-2.5 to 2.5	Pass				
2595		50	0	20	10.8	7.453	0.0029	-2.5 to 2.5	Pass	
					12	4.020	0.0015	-2.5 to 2.5	Pass	
					13.2	0.758	0.0003	-2.5 to 2.5	Pass	
				-30	12	5.522	0.0021	-2.5 to 2.5	Pass	
				-20	12	3.247	0.0013	-2.5 to 2.5	Pass	
				-10	12	1.202	0.0005	-2.5 to 2.5	Pass	
				0	12	3.734	0.0014	-2.5 to 2.5	Pass	



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				10	12	9.542	0.0037	-2.5 to 2.5	Pass
				30	12	7.210	0.0028	-2.5 to 2.5	Pass
				40	12	1.187	0.0005	-2.5 to 2.5	Pass
				50	12	8.883	0.0034	-2.5 to 2.5	Pass
	2615	50	0	20	10.8	2.632	0.0010	-2.5 to 2.5	Pass
					12	2.460	0.0009	-2.5 to 2.5	Pass
					13.2	1.202	0.0005	-2.5 to 2.5	Pass
				-30	12	2.117	0.0008	-2.5 to 2.5	Pass
				-20	12	-3.047	-0.0012	-2.5 to 2.5	Pass
				-10	12	3.691	0.0014	-2.5 to 2.5	Pass
				0	12	5.550	0.0021	-2.5 to 2.5	Pass
				10	12	3.247	0.0012	-2.5 to 2.5	Pass
				30	12	0.043	0.0000	-2.5 to 2.5	Pass
				40	12	2.103	0.0008	-2.5 to 2.5	Pass
				50	12	0.529	0.0002	-2.5 to 2.5	Pass

9.3 B38_15MHz

9.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	10.8	3.562	0.0014	-2.5 to 2.5	Pass
					12	2.275	0.0009	-2.5 to 2.5	Pass
					13.2	0.415	0.0002	-2.5 to 2.5	Pass
				-30	12	3.304	0.0013	-2.5 to 2.5	Pass
				-20	12	1.745	0.0007	-2.5 to 2.5	Pass
				-10	12	1.774	0.0007	-2.5 to 2.5	Pass
				0	12	3.119	0.0012	-2.5 to 2.5	Pass
				10	12	2.389	0.0009	-2.5 to 2.5	Pass
				30	12	3.333	0.0013	-2.5 to 2.5	Pass
				40	12	9.012	0.0035	-2.5 to 2.5	Pass
				50	12	4.263	0.0017	-2.5 to 2.5	Pass
	2595	75	0	20	10.8	7.653	0.0029	-2.5 to 2.5	Pass
					12	3.648	0.0014	-2.5 to 2.5	Pass
					13.2	4.735	0.0018	-2.5 to 2.5	Pass
				-30	12	6.323	0.0024	-2.5 to 2.5	Pass
				-20	12	1.545	0.0006	-2.5 to 2.5	Pass
				-10	12	-0.401	-0.0002	-2.5 to 2.5	Pass
				0	12	1.330	0.0005	-2.5 to 2.5	Pass
				10	12	0.086	0.0000	-2.5 to 2.5	Pass
				30	12	4.878	0.0019	-2.5 to 2.5	Pass
				40	12	8.383	0.0032	-2.5 to 2.5	Pass
				50	12	4.048	0.0016	-2.5 to 2.5	Pass
	2612.5	75	0	20	10.8	1.330	0.0005	-2.5 to 2.5	Pass
					12	-1.616	-0.0006	-2.5 to 2.5	Pass
					13.2	4.535	0.0017	-2.5 to 2.5	Pass
				-30	12	2.518	0.0010	-2.5 to 2.5	Pass
				-20	12	5.450	0.0021	-2.5 to 2.5	Pass
				-10	12	0.157	0.0001	-2.5 to 2.5	Pass
				0	12	1.831	0.0007	-2.5 to 2.5	Pass



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				10	12	-3.963	-0.0015	-2.5 to 2.5	Pass
				30	12	3.519	0.0013	-2.5 to 2.5	Pass
				40	12	4.992	0.0019	-2.5 to 2.5	Pass
				50	12	-1.044	-0.0004	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	10.8	1.845	0.0007	-2.5 to 2.5	Pass
					12	6.108	0.0024	-2.5 to 2.5	Pass
					13.2	6.881	0.0027	-2.5 to 2.5	Pass
				-30	12	4.292	0.0017	-2.5 to 2.5	Pass
				-20	12	4.706	0.0018	-2.5 to 2.5	Pass
				-10	12	5.836	0.0023	-2.5 to 2.5	Pass
				0	12	3.304	0.0013	-2.5 to 2.5	Pass
				10	12	5.536	0.0021	-2.5 to 2.5	Pass
				30	12	1.845	0.0007	-2.5 to 2.5	Pass
				40	12	9.155	0.0036	-2.5 to 2.5	Pass
				50	12	1.817	0.0007	-2.5 to 2.5	Pass
				2595	75	0	20	10.8	7.854
	12	5.808	0.0022					-2.5 to 2.5	Pass
	13.2	6.094	0.0023					-2.5 to 2.5	Pass
	-30	12	8.268				0.0032	-2.5 to 2.5	Pass
	-20	12	10.757				0.0041	-2.5 to 2.5	Pass
	-10	12	1.674				0.0006	-2.5 to 2.5	Pass
	0	12	2.661				0.0010	-2.5 to 2.5	Pass
	10	12	8.597				0.0033	-2.5 to 2.5	Pass
	30	12	11.029				0.0043	-2.5 to 2.5	Pass
	40	12	8.669				0.0033	-2.5 to 2.5	Pass
	50	12	5.522				0.0021	-2.5 to 2.5	Pass
	2612.5	75	0				20	10.8	4.706
				12	1.359	0.0005		-2.5 to 2.5	Pass
				13.2	-4.163	-0.0016		-2.5 to 2.5	Pass
				-30	12	-0.715	-0.0003	-2.5 to 2.5	Pass
				-20	12	2.217	0.0008	-2.5 to 2.5	Pass
				-10	12	2.704	0.0010	-2.5 to 2.5	Pass
				0	12	3.777	0.0014	-2.5 to 2.5	Pass
				10	12	2.131	0.0008	-2.5 to 2.5	Pass
				30	12	5.422	0.0021	-2.5 to 2.5	Pass
				40	12	6.480	0.0025	-2.5 to 2.5	Pass
50				12	5.407	0.0021	-2.5 to 2.5	Pass	
64QAM				2577.5	75	0	20	10.8	7.753
	12	3.576	0.0014					-2.5 to 2.5	Pass
	13.2	-1.674	-0.0006					-2.5 to 2.5	Pass
	-30	12	6.537				0.0025	-2.5 to 2.5	Pass
	-20	12	6.380				0.0025	-2.5 to 2.5	Pass
	-10	12	2.275				0.0009	-2.5 to 2.5	Pass
	0	12	4.206				0.0016	-2.5 to 2.5	Pass
	10	12	2.446				0.0009	-2.5 to 2.5	Pass
	30	12	6.437				0.0025	-2.5 to 2.5	Pass
	40	12	0.486				0.0002	-2.5 to 2.5	Pass
	50	12	-1.073				-0.0004	-2.5 to 2.5	Pass
	2595	75	0				20	10.8	-2.103
				12	5.679	0.0022		-2.5 to 2.5	Pass
				13.2	3.891	0.0015		-2.5 to 2.5	Pass
				-30	12	1.645	0.0006	-2.5 to 2.5	Pass
				-20	12	-2.160	-0.0008	-2.5 to 2.5	Pass
				-10	12	6.952	0.0027	-2.5 to 2.5	Pass



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				0	12	2.217	0.0009	-2.5 to 2.5	Pass
				10	12	6.609	0.0025	-2.5 to 2.5	Pass
				30	12	5.350	0.0021	-2.5 to 2.5	Pass
				40	12	0.715	0.0003	-2.5 to 2.5	Pass
				50	12	1.388	0.0005	-2.5 to 2.5	Pass
	2612.5	75	0	20	10.8	3.347	0.0013	-2.5 to 2.5	Pass
					12	2.060	0.0008	-2.5 to 2.5	Pass
					13.2	-2.990	-0.0011	-2.5 to 2.5	Pass
				-30	12	0.529	0.0002	-2.5 to 2.5	Pass
				-20	12	5.980	0.0023	-2.5 to 2.5	Pass
				-10	12	2.360	0.0009	-2.5 to 2.5	Pass
				0	12	-0.916	-0.0004	-2.5 to 2.5	Pass
				10	12	4.406	0.0017	-2.5 to 2.5	Pass
				30	12	-0.386	-0.0001	-2.5 to 2.5	Pass
				40	12	5.550	0.0021	-2.5 to 2.5	Pass
				50	12	2.832	0.0011	-2.5 to 2.5	Pass
256QAM	2577.5	75	0	20	10.8	4.578	0.0018	-2.5 to 2.5	Pass
					12	4.220	0.0016	-2.5 to 2.5	Pass
					13.2	2.017	0.0008	-2.5 to 2.5	Pass
				-30	12	5.579	0.0022	-2.5 to 2.5	Pass
				-20	12	5.207	0.0020	-2.5 to 2.5	Pass
				-10	12	7.124	0.0028	-2.5 to 2.5	Pass
				0	12	5.178	0.0020	-2.5 to 2.5	Pass
				10	12	8.612	0.0033	-2.5 to 2.5	Pass
				30	12	1.559	0.0006	-2.5 to 2.5	Pass
				40	12	3.691	0.0014	-2.5 to 2.5	Pass
				50	12	4.406	0.0017	-2.5 to 2.5	Pass
	2595	75	0	20	10.8	2.661	0.0010	-2.5 to 2.5	Pass
					12	0.715	0.0003	-2.5 to 2.5	Pass
					13.2	4.964	0.0019	-2.5 to 2.5	Pass
				-30	12	5.064	0.0020	-2.5 to 2.5	Pass
				-20	12	-0.801	-0.0003	-2.5 to 2.5	Pass
				-10	12	-1.788	-0.0007	-2.5 to 2.5	Pass
				0	12	2.160	0.0008	-2.5 to 2.5	Pass
				10	12	7.796	0.0030	-2.5 to 2.5	Pass
				30	12	6.037	0.0023	-2.5 to 2.5	Pass
				40	12	6.123	0.0024	-2.5 to 2.5	Pass
				50	12	3.247	0.0013	-2.5 to 2.5	Pass
	2612.5	75	0	20	10.8	4.449	0.0017	-2.5 to 2.5	Pass
					12	-1.116	-0.0004	-2.5 to 2.5	Pass
					13.2	3.762	0.0014	-2.5 to 2.5	Pass
				-30	12	0.358	0.0001	-2.5 to 2.5	Pass
				-20	12	0.629	0.0002	-2.5 to 2.5	Pass
				-10	12	2.904	0.0011	-2.5 to 2.5	Pass
				0	12	-3.505	-0.0013	-2.5 to 2.5	Pass
				10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				30	12	0.844	0.0003	-2.5 to 2.5	Pass
				40	12	8.154	0.0031	-2.5 to 2.5	Pass
				50	12	-0.272	-0.0001	-2.5 to 2.5	Pass

9.4 B38_20MHz



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Test Report Form Version: Rev01

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9.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	10.8	4.478	0.0017	-2.5 to 2.5	Pass
					12	-2.317	-0.0009	-2.5 to 2.5	Pass
					13.2	5.751	0.0022	-2.5 to 2.5	Pass
				-30	12	1.044	0.0004	-2.5 to 2.5	Pass
				-20	12	0.744	0.0003	-2.5 to 2.5	Pass
				-10	12	4.292	0.0017	-2.5 to 2.5	Pass
				0	12	3.119	0.0012	-2.5 to 2.5	Pass
				10	12	1.831	0.0007	-2.5 to 2.5	Pass
				30	12	2.260	0.0009	-2.5 to 2.5	Pass
				40	12	1.774	0.0007	-2.5 to 2.5	Pass
				50	12	5.393	0.0021	-2.5 to 2.5	Pass
	2595	100	0	20	10.8	10.486	0.0040	-2.5 to 2.5	Pass
					12	1.187	0.0005	-2.5 to 2.5	Pass
					13.2	1.159	0.0004	-2.5 to 2.5	Pass
				-30	12	13.25	0.0017	-2.5 to 2.5	Pass
				-20	12	4.392	0.0017	-2.5 to 2.5	Pass
				-10	12	0.057	0.0000	-2.5 to 2.5	Pass
				0	12	4.678	0.0018	-2.5 to 2.5	Pass
				10	12	3.119	0.0012	-2.5 to 2.5	Pass
				30	12	0.458	0.0002	-2.5 to 2.5	Pass
				40	12	10.86	0.0013	-2.5 to 2.5	Pass
				50	12	-0.701	-0.0003	-2.5 to 2.5	Pass
	2610	100	0	20	10.8	4.163	0.0016	-2.5 to 2.5	Pass
					12	9.098	0.0035	-2.5 to 2.5	Pass
					13.2	5.865	0.0022	-2.5 to 2.5	Pass
				-30	12	0.043	0.0000	-2.5 to 2.5	Pass
				-20	12	2.990	0.0011	-2.5 to 2.5	Pass
				-10	12	1.931	0.0007	-2.5 to 2.5	Pass
				0	12	8.011	0.0031	-2.5 to 2.5	Pass
				10	12	1.931	0.0007	-2.5 to 2.5	Pass
				30	12	6.180	0.0024	-2.5 to 2.5	Pass
				40	12	3.204	0.0012	-2.5 to 2.5	Pass
				50	12	-2.975	-0.0011	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	10.8	-0.343	-0.0001	-2.5 to 2.5	Pass
					12	2.990	0.0012	-2.5 to 2.5	Pass
					13.2	7.195	0.0028	-2.5 to 2.5	Pass
				-30	12	4.735	0.0018	-2.5 to 2.5	Pass
				-20	12	5.364	0.0021	-2.5 to 2.5	Pass
				-10	12	5.422	0.0021	-2.5 to 2.5	Pass
				0	12	5.536	0.0021	-2.5 to 2.5	Pass
				10	12	1.044	0.0004	-2.5 to 2.5	Pass
				30	12	2.232	0.0009	-2.5 to 2.5	Pass
				40	12	3.033	0.0012	-2.5 to 2.5	Pass
				50	12	5.336	0.0021	-2.5 to 2.5	Pass
	2595	100	0	20	10.8	1.659	0.0006	-2.5 to 2.5	Pass
					12	-2.203	-0.0008	-2.5 to 2.5	Pass
					13.2	2.174	0.0008	-2.5 to 2.5	Pass
				-30	12	5.822	0.0022	-2.5 to 2.5	Pass
				-20	12	5.636	0.0022	-2.5 to 2.5	Pass



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				-10	12	6.809	0.0026	-2.5 to 2.5	Pass				
				0	12	1.774	0.0007	-2.5 to 2.5	Pass				
				10	12	3.262	0.0013	-2.5 to 2.5	Pass				
				30	12	3.762	0.0014	-2.5 to 2.5	Pass				
				40	12	4.406	0.0017	-2.5 to 2.5	Pass				
				50	12	0.057	0.0000	-2.5 to 2.5	Pass				
	2610	100	0	20	10.8	3.963	0.0015	-2.5 to 2.5	Pass				
					12	0.172	0.0001	-2.5 to 2.5	Pass				
					13.2	4.034	0.0015	-2.5 to 2.5	Pass				
				-30	12	1.230	0.0005	-2.5 to 2.5	Pass				
				-20	12	5.422	0.0021	-2.5 to 2.5	Pass				
				-10	12	2.789	0.0011	-2.5 to 2.5	Pass				
				0	12	2.303	0.0009	-2.5 to 2.5	Pass				
				10	12	2.918	0.0011	-2.5 to 2.5	Pass				
				30	12	0.973	0.0004	-2.5 to 2.5	Pass				
				40	12	-2.818	-0.0011	-2.5 to 2.5	Pass				
				50	12	-0.501	-0.0002	-2.5 to 2.5	Pass				
				64QAM	2580	100	0	20	10.8	5.093	0.0020	-2.5 to 2.5	Pass
									12	2.847	0.0011	-2.5 to 2.5	Pass
13.2	5.236	0.0020	-2.5 to 2.5						Pass				
-30	12	0.029	0.0000					-2.5 to 2.5	Pass				
-20	12	2.804	0.0011					-2.5 to 2.5	Pass				
-10	12	3.948	0.0015					-2.5 to 2.5	Pass				
0	12	1.416	0.0005					-2.5 to 2.5	Pass				
10	12	4.292	0.0017					-2.5 to 2.5	Pass				
30	12	2.804	0.0011					-2.5 to 2.5	Pass				
40	12	3.262	0.0013					-2.5 to 2.5	Pass				
50	12	-1.903	-0.0007					-2.5 to 2.5	Pass				
2595	100	0	20		10.8	3.433	0.0013	-2.5 to 2.5	Pass				
					12	8.755	0.0034	-2.5 to 2.5	Pass				
					13.2	5.608	0.0022	-2.5 to 2.5	Pass				
			-30		12	-2.289	-0.0009	-2.5 to 2.5	Pass				
			-20		12	3.490	0.0013	-2.5 to 2.5	Pass				
			-10		12	6.366	0.0025	-2.5 to 2.5	Pass				
			0		12	-0.157	-0.0001	-2.5 to 2.5	Pass				
			10		12	-0.200	-0.0001	-2.5 to 2.5	Pass				
			30		12	4.363	0.0017	-2.5 to 2.5	Pass				
			40		12	9.112	0.0035	-2.5 to 2.5	Pass				
			50		12	-0.386	-0.0001	-2.5 to 2.5	Pass				
2610	100	0	20		10.8	8.297	0.0032	-2.5 to 2.5	Pass				
					12	3.333	0.0013	-2.5 to 2.5	Pass				
					13.2	0.658	0.0003	-2.5 to 2.5	Pass				
			-30		12	0.844	0.0003	-2.5 to 2.5	Pass				
			-20		12	2.818	0.0011	-2.5 to 2.5	Pass				
			-10		12	-2.947	-0.0011	-2.5 to 2.5	Pass				
			0		12	5.322	0.0020	-2.5 to 2.5	Pass				
			10	12	4.849	0.0019	-2.5 to 2.5	Pass					
			30	12	2.747	0.0011	-2.5 to 2.5	Pass					
			40	12	4.034	0.0015	-2.5 to 2.5	Pass					
			50	12	0.229	0.0001	-2.5 to 2.5	Pass					
256QAM	2580	100	0	20	10.8	5.980	0.0023	-2.5 to 2.5	Pass				
					12	1.802	0.0007	-2.5 to 2.5	Pass				
					13.2	4.334	0.0017	-2.5 to 2.5	Pass				
				-30	12	2.861	0.0011	-2.5 to 2.5	Pass				



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				-20	12	4.063	0.0016	-2.5 to 2.5	Pass
				-10	12	9.127	0.0035	-2.5 to 2.5	Pass
				0	12	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	12	2.561	0.0010	-2.5 to 2.5	Pass
				30	12	-0.386	-0.0001	-2.5 to 2.5	Pass
				40	12	5.193	0.0020	-2.5 to 2.5	Pass
				50	12	1.731	0.0007	-2.5 to 2.5	Pass
	2595	100	0	20	10.8	2.475	0.0010	-2.5 to 2.5	Pass
					12	2.103	0.0008	-2.5 to 2.5	Pass
					13.2	1.502	0.0006	-2.5 to 2.5	Pass
				-30	12	7.954	0.0031	-2.5 to 2.5	Pass
				-20	12	0.329	0.0001	-2.5 to 2.5	Pass
				-10	12	2.646	0.0010	-2.5 to 2.5	Pass
				0	12	6.323	0.0024	-2.5 to 2.5	Pass
				10	12	1.144	0.0004	-2.5 to 2.5	Pass
				30	12	4.592	0.0018	-2.5 to 2.5	Pass
				40	12	3.777	0.0015	-2.5 to 2.5	Pass
				50	12	2.332	0.0009	-2.5 to 2.5	Pass
	2610	100	0	20	10.8	5.264	0.0020	-2.5 to 2.5	Pass
					12	4.148	0.0016	-2.5 to 2.5	Pass
					13.2	2.103	0.0008	-2.5 to 2.5	Pass
				-30	12	4.091	0.0016	-2.5 to 2.5	Pass
				-20	12	3.061	0.0012	-2.5 to 2.5	Pass
				-10	12	4.292	0.0016	-2.5 to 2.5	Pass
				0	12	10.171	0.0039	-2.5 to 2.5	Pass
				10	12	2.975	0.0011	-2.5 to 2.5	Pass
				30	12	4.177	0.0016	-2.5 to 2.5	Pass
				40	12	1.230	0.0005	-2.5 to 2.5	Pass
				50	12	2.503	0.0010	-2.5 to 2.5	Pass



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10. Frequency Stability

10.1 B41_5MHz

10.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	10.8	14.533	0.0058	-2.5 to 2.5	Pass
					12	7.310	0.0029	-2.5 to 2.5	Pass
					13.2	5.891	0.0024	-2.5 to 2.5	Pass
				-30	12	10.654	0.0043	-2.5 to 2.5	Pass
				-20	12	5.972	0.0024	-2.5 to 2.5	Pass
				-10	12	2.315	0.0009	-2.5 to 2.5	Pass
				0	12	-1.415	-0.0006	-2.5 to 2.5	Pass
				10	12	-1.318	-0.0005	-2.5 to 2.5	Pass
				30	12	-1.154	-0.0005	-2.5 to 2.5	Pass
				40	12	-0.957	-0.0004	-2.5 to 2.5	Pass
				50	12	3.829	0.0015	-2.5 to 2.5	Pass
	2593	25	0	20	10.8	8.058	0.0031	-2.5 to 2.5	Pass
					12	-2.065	-0.0008	-2.5 to 2.5	Pass
					13.2	-1.850	-0.0007	-2.5 to 2.5	Pass
				-30	12	0.741	0.0003	-2.5 to 2.5	Pass
				-20	12	-1.974	-0.0008	-2.5 to 2.5	Pass
				-10	12	0.023	0.0000	-2.5 to 2.5	Pass
				0	12	2.835	0.0011	-2.5 to 2.5	Pass
				10	12	2.601	0.0010	-2.5 to 2.5	Pass
				30	12	3.896	0.0015	-2.5 to 2.5	Pass
				40	12	-0.178	-0.0001	-2.5 to 2.5	Pass
				50	12	7.718	0.0030	-2.5 to 2.5	Pass
	2687.5	25	0	20	10.8	5.671	0.0021	-2.5 to 2.5	Pass
					12	0.293	0.0001	-2.5 to 2.5	Pass
					13.2	8.789	0.0033	-2.5 to 2.5	Pass
				-30	12	0.095	0.0000	-2.5 to 2.5	Pass
				-20	12	7.678	0.0029	-2.5 to 2.5	Pass
				-10	12	3.073	0.0011	-2.5 to 2.5	Pass
				0	12	6.059	0.0023	-2.5 to 2.5	Pass
				10	12	-3.604	-0.0013	-2.5 to 2.5	Pass
				30	12	7.488	0.0028	-2.5 to 2.5	Pass
				40	12	-1.270	-0.0005	-2.5 to 2.5	Pass
				50	12	-2.594	-0.0010	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	10.8	-0.212	-0.0001	-2.5 to 2.5	Pass
					12	11.293	0.0045	-2.5 to 2.5	Pass
					13.2	0.335	0.0001	-2.5 to 2.5	Pass
				-30	12	1.962	0.0008	-2.5 to 2.5	Pass
				-20	12	-4.385	-0.0018	-2.5 to 2.5	Pass
				-10	12	-4.264	-0.0017	-2.5 to 2.5	Pass
				0	12	-0.473	-0.0002	-2.5 to 2.5	Pass
				10	12	-2.531	-0.0010	-2.5 to 2.5	Pass
				30	12	-2.404	-0.0010	-2.5 to 2.5	Pass
				40	12	0.817	0.0003	-2.5 to 2.5	Pass



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	2593	25	0	50	12	1.618	0.0006	-2.5 to 2.5	Pass
				20	10.8	-4.508	-0.0017	-2.5 to 2.5	Pass
					12	-4.472	-0.0017	-2.5 to 2.5	Pass
					13.2	2.541	0.0010	-2.5 to 2.5	Pass
				-30	12	-1.717	-0.0007	-2.5 to 2.5	Pass
				-20	12	6.686	0.0026	-2.5 to 2.5	Pass
				-10	12	-0.043	0.0000	-2.5 to 2.5	Pass
				0	12	5.500	0.0021	-2.5 to 2.5	Pass
				10	12	-2.544	-0.0010	-2.5 to 2.5	Pass
				30	12	2.928	0.0011	-2.5 to 2.5	Pass
	2687.5	25	0	40	12	2.593	0.0010	-2.5 to 2.5	Pass
				50	12	3.935	0.0015	-2.5 to 2.5	Pass
				20	10.8	-5.075	-0.0019	-2.5 to 2.5	Pass
					12	-4.081	-0.0015	-2.5 to 2.5	Pass
					13.2	16.420	0.0061	-2.5 to 2.5	Pass
				-30	12	0.982	0.0004	-2.5 to 2.5	Pass
				-20	12	1.273	0.0005	-2.5 to 2.5	Pass
				-10	12	-3.968	-0.0015	-2.5 to 2.5	Pass
				0	12	1.083	0.0004	-2.5 to 2.5	Pass
				10	12	2.038	0.0008	-2.5 to 2.5	Pass
64QAM	2498.5	25	0	30	12	-0.469	-0.0002	-2.5 to 2.5	Pass
				40	12	-7.535	-0.0028	-2.5 to 2.5	Pass
				50	12	3.990	0.0015	-2.5 to 2.5	Pass
				20	10.8	8.566	0.0034	-2.5 to 2.5	Pass
					12	9.211	0.0037	-2.5 to 2.5	Pass
					13.2	6.015	0.0024	-2.5 to 2.5	Pass
				-30	12	10.905	0.0044	-2.5 to 2.5	Pass
				-20	12	9.352	0.0037	-2.5 to 2.5	Pass
				-10	12	2.329	0.0009	-2.5 to 2.5	Pass
				0	12	10.200	0.0041	-2.5 to 2.5	Pass
	2593	25	0	10	12	-0.433	-0.0002	-2.5 to 2.5	Pass
				30	12	0.079	0.0000	-2.5 to 2.5	Pass
				40	12	3.915	0.0016	-2.5 to 2.5	Pass
				50	12	6.121	0.0024	-2.5 to 2.5	Pass
				20	10.8	0.605	0.0002	-2.5 to 2.5	Pass
					12	-0.597	-0.0002	-2.5 to 2.5	Pass
					13.2	-3.837	-0.0015	-2.5 to 2.5	Pass
				-30	12	-1.623	-0.0006	-2.5 to 2.5	Pass
				-20	12	-3.096	-0.0012	-2.5 to 2.5	Pass
				-10	12	4.447	0.0017	-2.5 to 2.5	Pass
	2687.5	25	0	0	12	3.137	0.0012	-2.5 to 2.5	Pass
				10	12	7.536	0.0029	-2.5 to 2.5	Pass
				30	12	3.820	0.0015	-2.5 to 2.5	Pass
				40	12	-6.437	-0.0025	-2.5 to 2.5	Pass
				50	12	2.124	0.0008	-2.5 to 2.5	Pass
				20	10.8	-1.577	-0.0006	-2.5 to 2.5	Pass
					12	-5.314	-0.0020	-2.5 to 2.5	Pass
					13.2	-2.539	-0.0009	-2.5 to 2.5	Pass
				-30	12	1.942	0.0007	-2.5 to 2.5	Pass
				-20	12	-0.309	-0.0001	-2.5 to 2.5	Pass
				-10	12	0.767	0.0003	-2.5 to 2.5	Pass
				0	12	1.763	0.0007	-2.5 to 2.5	Pass
				10	12	2.317	0.0009	-2.5 to 2.5	Pass
				30	12	2.956	0.0011	-2.5 to 2.5	Pass



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				40	12	3.478	0.0013	-2.5 to 2.5	Pass
				50	12	5.412	0.0020	-2.5 to 2.5	Pass
256QAM	2498.5	25	0	20	10.8	7.657	0.0031	-2.5 to 2.5	Pass
					12	-0.515	-0.0002	-2.5 to 2.5	Pass
					13.2	7.915	0.0032	-2.5 to 2.5	Pass
				-30	12	-2.315	-0.0009	-2.5 to 2.5	Pass
				-20	12	4.340	0.0017	-2.5 to 2.5	Pass
				-10	12	2.188	0.0009	-2.5 to 2.5	Pass
				0	12	-0.232	-0.0001	-2.5 to 2.5	Pass
				10	12	2.036	0.0008	-2.5 to 2.5	Pass
				30	12	4.774	0.0019	-2.5 to 2.5	Pass
				40	12	-1.872	-0.0007	-2.5 to 2.5	Pass
	50	12	-2.208	-0.0009	-2.5 to 2.5	Pass			
	2593	25	0	20	10.8	1.246	0.0005	-2.5 to 2.5	Pass
					12	4.814	0.0019	-2.5 to 2.5	Pass
					13.2	-0.796	-0.0003	-2.5 to 2.5	Pass
				-30	12	5.204	0.0020	-2.5 to 2.5	Pass
				-20	12	-5.630	-0.0022	-2.5 to 2.5	Pass
				-10	12	1.500	0.0006	-2.5 to 2.5	Pass
				0	12	3.242	0.0013	-2.5 to 2.5	Pass
				10	12	0.624	0.0002	-2.5 to 2.5	Pass
				30	12	1.710	0.0007	-2.5 to 2.5	Pass
				40	12	4.725	0.0018	-2.5 to 2.5	Pass
	50	12	1.262	0.0005	-2.5 to 2.5	Pass			
	2687.5	25	0	20	10.8	-3.409	-0.0013	-2.5 to 2.5	Pass
					12	3.301	0.0012	-2.5 to 2.5	Pass
					13.2	5.471	0.0020	-2.5 to 2.5	Pass
				-30	12	-6.154	-0.0023	-2.5 to 2.5	Pass
				-20	12	11.682	0.0043	-2.5 to 2.5	Pass
-10				12	8.228	0.0031	-2.5 to 2.5	Pass	
0				12	10.801	0.0040	-2.5 to 2.5	Pass	
10				12	1.726	0.0006	-2.5 to 2.5	Pass	
30				12	0.929	0.0003	-2.5 to 2.5	Pass	
40				12	-0.495	-0.0002	-2.5 to 2.5	Pass	
50	12	-5.674	-0.0021	-2.5 to 2.5	Pass				

10.2 B41 10MHz

10.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	10.8	-0.458	-0.0002	-2.5 to 2.5	Pass
					12	-0.122	0.0000	-2.5 to 2.5	Pass
					13.2	-7.385	-0.0030	-2.5 to 2.5	Pass
				-30	12	-0.605	-0.0002	-2.5 to 2.5	Pass
				-20	12	-0.575	-0.0002	-2.5 to 2.5	Pass
				-10	12	1.818	0.0007	-2.5 to 2.5	Pass
				0	12	-0.570	-0.0002	-2.5 to 2.5	Pass
				10	12	5.524	0.0022	-2.5 to 2.5	Pass
				30	12	2.103	0.0008	-2.5 to 2.5	Pass



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	2593	50	0	40	12	3.956	0.0016	-2.5 to 2.5	Pass
				50	12	8.742	0.0035	-2.5 to 2.5	Pass
				20	10.8	-2.601	-0.0010	-2.5 to 2.5	Pass
					12	3.493	0.0013	-2.5 to 2.5	Pass
					13.2	0.154	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.274	-0.0001	-2.5 to 2.5	Pass
				-20	12	6.272	0.0024	-2.5 to 2.5	Pass
				-10	12	6.573	0.0025	-2.5 to 2.5	Pass
				0	12	0.765	0.0003	-2.5 to 2.5	Pass
				10	12	1.601	0.0006	-2.5 to 2.5	Pass
				30	12	-1.967	-0.0008	-2.5 to 2.5	Pass
				40	12	6.476	0.0025	-2.5 to 2.5	Pass
				50	12	2.301	0.0009	-2.5 to 2.5	Pass
	2685	50	0	20	10.8	5.398	0.0020	-2.5 to 2.5	Pass
					12	2.045	0.0008	-2.5 to 2.5	Pass
					13.2	8.435	0.0031	-2.5 to 2.5	Pass
				-30	12	5.694	0.0021	-2.5 to 2.5	Pass
				-20	12	4.925	0.0018	-2.5 to 2.5	Pass
				-10	12	-0.125	0.0000	-2.5 to 2.5	Pass
				0	12	5.381	0.0020	-2.5 to 2.5	Pass
				10	12	-0.858	-0.0003	-2.5 to 2.5	Pass
				30	12	3.071	0.0011	-2.5 to 2.5	Pass
				40	12	4.324	0.0016	-2.5 to 2.5	Pass
				50	12	0.117	0.0000	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	10.8	7.846	0.0031	-2.5 to 2.5	Pass
					12	5.368	0.0021	-2.5 to 2.5	Pass
					13.2	5.573	0.0022	-2.5 to 2.5	Pass
				-30	12	2.453	0.0010	-2.5 to 2.5	Pass
				-20	12	0.753	0.0003	-2.5 to 2.5	Pass
				-10	12	-2.106	-0.0008	-2.5 to 2.5	Pass
				0	12	-1.273	-0.0005	-2.5 to 2.5	Pass
				10	12	7.710	0.0031	-2.5 to 2.5	Pass
				30	12	3.720	0.0015	-2.5 to 2.5	Pass
				40	12	5.808	0.0023	-2.5 to 2.5	Pass
				50	12	7.613	0.0030	-2.5 to 2.5	Pass
	2593	50	0	20	10.8	7.361	0.0028	-2.5 to 2.5	Pass
					12	0.481	0.0002	-2.5 to 2.5	Pass
					13.2	2.753	0.0011	-2.5 to 2.5	Pass
				-30	12	3.929	0.0015	-2.5 to 2.5	Pass
				-20	12	2.600	0.0010	-2.5 to 2.5	Pass
				-10	12	-2.116	-0.0008	-2.5 to 2.5	Pass
				0	12	6.714	0.0026	-2.5 to 2.5	Pass
				10	12	10.634	0.0041	-2.5 to 2.5	Pass
				30	12	4.685	0.0018	-2.5 to 2.5	Pass
				40	12	-5.608	-0.0022	-2.5 to 2.5	Pass
				50	12	10.129	0.0039	-2.5 to 2.5	Pass
	2685	50	0	20	10.8	-6.398	-0.0024	-2.5 to 2.5	Pass
					12	-0.782	-0.0003	-2.5 to 2.5	Pass
					13.2	0.596	0.0002	-2.5 to 2.5	Pass
				-30	12	-3.077	-0.0011	-2.5 to 2.5	Pass
				-20	12	2.135	0.0008	-2.5 to 2.5	Pass
				-10	12	-2.017	-0.0008	-2.5 to 2.5	Pass
				0	12	3.064	0.0011	-2.5 to 2.5	Pass
				10	12	2.738	0.0010	-2.5 to 2.5	Pass



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				30	12	4.821	0.0018	-2.5 to 2.5	Pass
				40	12	5.701	0.0021	-2.5 to 2.5	Pass
				50	12	5.327	0.0020	-2.5 to 2.5	Pass
64QAM	2501	50	0	20	10.8	0.350	0.0001	-2.5 to 2.5	Pass
					12	1.215	0.0005	-2.5 to 2.5	Pass
					13.2	1.378	0.0006	-2.5 to 2.5	Pass
				-30	12	5.103	0.0020	-2.5 to 2.5	Pass
				-20	12	3.868	0.0015	-2.5 to 2.5	Pass
				-10	12	0.687	0.0003	-2.5 to 2.5	Pass
				0	12	2.685	0.0011	-2.5 to 2.5	Pass
				10	12	0.474	0.0002	-2.5 to 2.5	Pass
				30	12	-1.710	-0.0007	-2.5 to 2.5	Pass
				40	12	-7.896	-0.0032	-2.5 to 2.5	Pass
				50	12	13.187	0.0053	-2.5 to 2.5	Pass
	2593	50	0	20	10.8	1.438	0.0006	-2.5 to 2.5	Pass
					12	4.466	0.0017	-2.5 to 2.5	Pass
					13.2	6.099	0.0024	-2.5 to 2.5	Pass
				-30	12	-1.087	-0.0004	-2.5 to 2.5	Pass
				-20	12	0.844	0.0003	-2.5 to 2.5	Pass
				-10	12	0.851	0.0003	-2.5 to 2.5	Pass
				0	12	6.582	0.0025	-2.5 to 2.5	Pass
				10	12	5.581	0.0022	-2.5 to 2.5	Pass
				30	12	-3.267	-0.0013	-2.5 to 2.5	Pass
				40	12	-0.152	-0.0001	-2.5 to 2.5	Pass
				50	12	3.768	0.0015	-2.5 to 2.5	Pass
	2685	50	0	20	10.8	4.355	0.0016	-2.5 to 2.5	Pass
					12	10.253	0.0038	-2.5 to 2.5	Pass
					13.2	-2.451	-0.0009	-2.5 to 2.5	Pass
				-30	12	-0.276	-0.0001	-2.5 to 2.5	Pass
				-20	12	3.668	0.0014	-2.5 to 2.5	Pass
				-10	12	7.538	0.0028	-2.5 to 2.5	Pass
				0	12	-0.272	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.076	0.0000	-2.5 to 2.5	Pass
				30	12	0.989	0.0004	-2.5 to 2.5	Pass
				40	12	2.217	0.0008	-2.5 to 2.5	Pass
				50	12	0.438	0.0002	-2.5 to 2.5	Pass
256QAM	2501	50	0	20	10.8	7.998	0.0032	-2.5 to 2.5	Pass
					12	4.519	0.0018	-2.5 to 2.5	Pass
					13.2	-0.133	-0.0001	-2.5 to 2.5	Pass
				-30	12	3.096	0.0012	-2.5 to 2.5	Pass
				-20	12	1.159	0.0005	-2.5 to 2.5	Pass
				-10	12	1.493	0.0006	-2.5 to 2.5	Pass
				0	12	-3.653	-0.0015	-2.5 to 2.5	Pass
				10	12	7.112	0.0028	-2.5 to 2.5	Pass
				30	12	3.673	0.0015	-2.5 to 2.5	Pass
				40	12	6.177	0.0025	-2.5 to 2.5	Pass
				50	12	-6.459	-0.0026	-2.5 to 2.5	Pass
	2593	50	0	20	10.8	-0.044	0.0000	-2.5 to 2.5	Pass
					12	7.952	0.0031	-2.5 to 2.5	Pass
					13.2	0.885	0.0003	-2.5 to 2.5	Pass
				-30	12	0.205	0.0001	-2.5 to 2.5	Pass
				-20	12	-0.564	-0.0002	-2.5 to 2.5	Pass
				-10	12	12.292	0.0047	-2.5 to 2.5	Pass
				0	12	1.745	0.0007	-2.5 to 2.5	Pass



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				10	12	5.657	0.0022	-2.5 to 2.5	Pass
				30	12	-2.077	-0.0008	-2.5 to 2.5	Pass
				40	12	-3.177	-0.0012	-2.5 to 2.5	Pass
				50	12	1.056	0.0004	-2.5 to 2.5	Pass
	2685	50	0	20	10.8	-0.125	0.0000	-2.5 to 2.5	Pass
					12	9.127	0.0034	-2.5 to 2.5	Pass
					13.2	6.575	0.0024	-2.5 to 2.5	Pass
				-30	12	2.091	0.0008	-2.5 to 2.5	Pass
				-20	12	3.510	0.0013	-2.5 to 2.5	Pass
				-10	12	2.055	0.0008	-2.5 to 2.5	Pass
				0	12	9.655	0.0036	-2.5 to 2.5	Pass
				10	12	5.510	0.0021	-2.5 to 2.5	Pass
				30	12	1.902	0.0007	-2.5 to 2.5	Pass
				40	12	3.953	0.0015	-2.5 to 2.5	Pass
				50	12	11.367	0.0042	-2.5 to 2.5	Pass

10.3 B41_15MHz

10.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	10.8	-2.251	-0.0009	-2.5 to 2.5	Pass
					12	10.656	0.0043	-2.5 to 2.5	Pass
					13.2	-1.214	-0.0005	-2.5 to 2.5	Pass
				-30	12	5.107	0.0020	-2.5 to 2.5	Pass
				-20	12	-8.523	-0.0034	-2.5 to 2.5	Pass
				-10	12	2.945	0.0012	-2.5 to 2.5	Pass
				0	12	5.693	0.0023	-2.5 to 2.5	Pass
				10	12	2.353	0.0009	-2.5 to 2.5	Pass
				30	12	1.232	0.0005	-2.5 to 2.5	Pass
				40	12	5.409	0.0022	-2.5 to 2.5	Pass
				50	12	5.798	0.0023	-2.5 to 2.5	Pass
	2593	75	0	20	10.8	0.583	0.0002	-2.5 to 2.5	Pass
					12	4.016	0.0015	-2.5 to 2.5	Pass
					13.2	1.652	0.0006	-2.5 to 2.5	Pass
				-30	12	2.234	0.0009	-2.5 to 2.5	Pass
				-20	12	-2.310	-0.0009	-2.5 to 2.5	Pass
				-10	12	-3.212	-0.0012	-2.5 to 2.5	Pass
				0	12	-7.345	-0.0028	-2.5 to 2.5	Pass
				10	12	1.025	0.0004	-2.5 to 2.5	Pass
				30	12	-2.047	-0.0008	-2.5 to 2.5	Pass
				40	12	2.404	0.0009	-2.5 to 2.5	Pass
				50	12	-0.321	-0.0001	-2.5 to 2.5	Pass
	2682.5	75	0	20	10.8	5.084	0.0019	-2.5 to 2.5	Pass
					12	4.587	0.0017	-2.5 to 2.5	Pass
					13.2	4.584	0.0017	-2.5 to 2.5	Pass
				-30	12	-2.831	-0.0011	-2.5 to 2.5	Pass
				-20	12	3.062	0.0011	-2.5 to 2.5	Pass
				-10	12	-1.149	-0.0004	-2.5 to 2.5	Pass
				0	12	2.186	0.0008	-2.5 to 2.5	Pass



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				10	12	5.324	0.0020	-2.5 to 2.5	Pass			
				30	12	1.440	0.0005	-2.5 to 2.5	Pass			
				40	12	-2.849	-0.0011	-2.5 to 2.5	Pass			
				50	12	4.666	0.0017	-2.5 to 2.5	Pass			
16QAM	2503.5	75	0	20	10.8	2.559	0.0010	-2.5 to 2.5	Pass			
					12	10.374	0.0041	-2.5 to 2.5	Pass			
					13.2	6.491	0.0026	-2.5 to 2.5	Pass			
				-30	12	4.108	0.0016	-2.5 to 2.5	Pass			
				-20	12	6.068	0.0024	-2.5 to 2.5	Pass			
				-10	12	3.995	0.0016	-2.5 to 2.5	Pass			
				0	12	-0.191	-0.0001	-2.5 to 2.5	Pass			
				10	12	0.945	0.0004	-2.5 to 2.5	Pass			
				30	12	5.715	0.0023	-2.5 to 2.5	Pass			
				40	12	-2.039	-0.0008	-2.5 to 2.5	Pass			
				50	12	-2.864	-0.0011	-2.5 to 2.5	Pass			
				2593	75	0	20	10.8	0.363	0.0001	-2.5 to 2.5	Pass
	12	0.288	0.0001					-2.5 to 2.5	Pass			
	13.2	-5.518	-0.0021					-2.5 to 2.5	Pass			
	-30	12	-3.661				-0.0014	-2.5 to 2.5	Pass			
	-20	12	-1.086				-0.0004	-2.5 to 2.5	Pass			
	-10	12	6.898				0.0027	-2.5 to 2.5	Pass			
	0	12	-3.116				-0.0012	-2.5 to 2.5	Pass			
	10	12	-1.896				-0.0007	-2.5 to 2.5	Pass			
	30	12	-2.903				-0.0011	-2.5 to 2.5	Pass			
	40	12	2.114				0.0008	-2.5 to 2.5	Pass			
	50	12	4.314				0.0017	-2.5 to 2.5	Pass			
	2682.5	75	0				20	10.8	-4.666	-0.0017	-2.5 to 2.5	Pass
				12	6.538	0.0024		-2.5 to 2.5	Pass			
				13.2	8.624	0.0032		-2.5 to 2.5	Pass			
				-30	12	4.567	0.0017	-2.5 to 2.5	Pass			
				-20	12	5.831	0.0022	-2.5 to 2.5	Pass			
				-10	12	-2.785	-0.0010	-2.5 to 2.5	Pass			
				0	12	2.174	0.0008	-2.5 to 2.5	Pass			
				10	12	2.539	0.0009	-2.5 to 2.5	Pass			
				30	12	5.435	0.0020	-2.5 to 2.5	Pass			
				40	12	9.493	0.0035	-2.5 to 2.5	Pass			
50				12	8.729	0.0033	-2.5 to 2.5	Pass				
64QAM				2503.5	75	0	20	10.8	6.291	0.0025	-2.5 to 2.5	Pass
	12	6.745	0.0027					-2.5 to 2.5	Pass			
	13.2	7.234	0.0029					-2.5 to 2.5	Pass			
	-30	12	1.849				0.0007	-2.5 to 2.5	Pass			
	-20	12	7.704				0.0031	-2.5 to 2.5	Pass			
	-10	12	4.672				0.0019	-2.5 to 2.5	Pass			
	0	12	0.479				0.0002	-2.5 to 2.5	Pass			
	10	12	3.323				0.0013	-2.5 to 2.5	Pass			
	30	12	5.689				0.0023	-2.5 to 2.5	Pass			
	40	12	-1.287				-0.0005	-2.5 to 2.5	Pass			
	50	12	1.763				0.0007	-2.5 to 2.5	Pass			
	2593	75	0				20	10.8	-0.226	-0.0001	-2.5 to 2.5	Pass
				12	-2.444	-0.0009		-2.5 to 2.5	Pass			
				13.2	2.325	0.0009		-2.5 to 2.5	Pass			
				-30	12	-0.925	-0.0004	-2.5 to 2.5	Pass			
				-20	12	4.126	0.0016	-2.5 to 2.5	Pass			
				-10	12	-1.470	-0.0006	-2.5 to 2.5	Pass			



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				0	12	-0.241	-0.0001	-2.5 to 2.5	Pass
				10	12	-0.566	-0.0002	-2.5 to 2.5	Pass
				30	12	4.992	0.0019	-2.5 to 2.5	Pass
				40	12	3.759	0.0014	-2.5 to 2.5	Pass
				50	12	0.413	0.0002	-2.5 to 2.5	Pass
	2682.5	75	0	20	10.8	1.220	0.0005	-2.5 to 2.5	Pass
					12	2.222	0.0008	-2.5 to 2.5	Pass
					13.2	-1.054	-0.0004	-2.5 to 2.5	Pass
				-30	12	4.468	0.0017	-2.5 to 2.5	Pass
				-20	12	6.020	0.0022	-2.5 to 2.5	Pass
				-10	12	-3.283	-0.0012	-2.5 to 2.5	Pass
				0	12	-5.937	-0.0022	-2.5 to 2.5	Pass
				10	12	6.964	0.0026	-2.5 to 2.5	Pass
				30	12	2.528	0.0009	-2.5 to 2.5	Pass
				40	12	-2.996	-0.0011	-2.5 to 2.5	Pass
				50	12	11.183	0.0042	-2.5 to 2.5	Pass
256QAM	2503.5	75	0	20	10.8	8.933	0.0036	-2.5 to 2.5	Pass
					12	0.386	0.0002	-2.5 to 2.5	Pass
					13.2	3.626	0.0014	-2.5 to 2.5	Pass
				-30	12	9.824	0.0039	-2.5 to 2.5	Pass
				-20	12	-0.373	-0.0001	-2.5 to 2.5	Pass
				-10	12	5.720	0.0023	-2.5 to 2.5	Pass
				0	12	4.956	0.0020	-2.5 to 2.5	Pass
				10	12	3.965	0.0016	-2.5 to 2.5	Pass
				30	12	2.856	0.0011	-2.5 to 2.5	Pass
				40	12	7.273	0.0029	-2.5 to 2.5	Pass
				50	12	2.481	0.0010	-2.5 to 2.5	Pass
	2593	75	0	20	10.8	4.976	0.0019	-2.5 to 2.5	Pass
					12	-1.149	-0.0004	-2.5 to 2.5	Pass
					13.2	4.569	0.0018	-2.5 to 2.5	Pass
				-30	12	-2.503	-0.0010	-2.5 to 2.5	Pass
				-20	12	0.006	0.0000	-2.5 to 2.5	Pass
				-10	12	7.371	0.0028	-2.5 to 2.5	Pass
				0	12	-4.338	-0.0017	-2.5 to 2.5	Pass
				10	12	-11.702	-0.0045	-2.5 to 2.5	Pass
				30	12	6.007	0.0023	-2.5 to 2.5	Pass
				40	12	-0.267	-0.0001	-2.5 to 2.5	Pass
				50	12	-3.608	-0.0014	-2.5 to 2.5	Pass
	2682.5	75	0	20	10.8	1.567	0.0006	-2.5 to 2.5	Pass
					12	-1.719	-0.0006	-2.5 to 2.5	Pass
					13.2	-1.466	-0.0005	-2.5 to 2.5	Pass
				-30	12	-2.576	-0.0010	-2.5 to 2.5	Pass
				-20	12	4.337	0.0016	-2.5 to 2.5	Pass
				-10	12	-2.688	-0.0010	-2.5 to 2.5	Pass
				0	12	3.033	0.0011	-2.5 to 2.5	Pass
				10	12	2.193	0.0008	-2.5 to 2.5	Pass
				30	12	4.874	0.0018	-2.5 to 2.5	Pass
				40	12	-3.535	-0.0013	-2.5 to 2.5	Pass
				50	12	3.369	0.0013	-2.5 to 2.5	Pass

10.4 B41_20MHz



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Test Report Form Version: Rev01

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10.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	10.8	-0.954	-0.0004	-2.5 to 2.5	Pass
					12	7.673	0.0031	-2.5 to 2.5	Pass
					13.2	1.134	0.0005	-2.5 to 2.5	Pass
				-30	12	0.108	0.0000	-2.5 to 2.5	Pass
				-20	12	-1.624	-0.0006	-2.5 to 2.5	Pass
				-10	12	6.075	0.0024	-2.5 to 2.5	Pass
				0	12	-0.276	-0.0001	-2.5 to 2.5	Pass
				10	12	7.933	0.0032	-2.5 to 2.5	Pass
				30	12	7.863	0.0031	-2.5 to 2.5	Pass
				40	12	3.687	0.0015	-2.5 to 2.5	Pass
				50	12	8.430	0.0034	-2.5 to 2.5	Pass
	2593	100	0	20	10.8	0.661	0.0003	-2.5 to 2.5	Pass
					12	-0.005	0.0000	-2.5 to 2.5	Pass
					13.2	1.353	0.0005	-2.5 to 2.5	Pass
				-30	12	3.756	0.0014	-2.5 to 2.5	Pass
				-20	12	7.679	0.0030	-2.5 to 2.5	Pass
				-10	12	4.739	0.0018	-2.5 to 2.5	Pass
				0	12	-3.247	-0.0013	-2.5 to 2.5	Pass
				10	12	2.594	0.0010	-2.5 to 2.5	Pass
				30	12	2.870	0.0011	-2.5 to 2.5	Pass
				40	12	-0.006	0.0000	-2.5 to 2.5	Pass
				50	12	-1.929	-0.0007	-2.5 to 2.5	Pass
	2680	100	0	20	10.8	-3.740	-0.0014	-2.5 to 2.5	Pass
					12	1.861	0.0007	-2.5 to 2.5	Pass
					13.2	7.502	0.0028	-2.5 to 2.5	Pass
				-30	12	-1.508	-0.0006	-2.5 to 2.5	Pass
				-20	12	2.848	0.0011	-2.5 to 2.5	Pass
				-10	12	6.425	0.0024	-2.5 to 2.5	Pass
				0	12	1.816	0.0007	-2.5 to 2.5	Pass
				10	12	9.019	0.0034	-2.5 to 2.5	Pass
				30	12	4.061	0.0015	-2.5 to 2.5	Pass
				40	12	6.106	0.0023	-2.5 to 2.5	Pass
				50	12	-1.649	-0.0006	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	10.8	4.166	0.0017	-2.5 to 2.5	Pass
					12	3.808	0.0015	-2.5 to 2.5	Pass
					13.2	1.366	0.0005	-2.5 to 2.5	Pass
				-30	12	0.574	0.0002	-2.5 to 2.5	Pass
				-20	12	-1.841	-0.0007	-2.5 to 2.5	Pass
				-10	12	-5.595	-0.0022	-2.5 to 2.5	Pass
				0	12	-0.158	-0.0001	-2.5 to 2.5	Pass
				10	12	3.794	0.0015	-2.5 to 2.5	Pass
				30	12	2.982	0.0012	-2.5 to 2.5	Pass
				40	12	5.509	0.0022	-2.5 to 2.5	Pass
				50	12	3.162	0.0013	-2.5 to 2.5	Pass
	2593	100	0	20	10.8	9.303	0.0036	-2.5 to 2.5	Pass
					12	1.440	0.0006	-2.5 to 2.5	Pass
					13.2	9.457	0.0036	-2.5 to 2.5	Pass
				-30	12	-0.390	-0.0002	-2.5 to 2.5	Pass
				-20	12	1.876	0.0007	-2.5 to 2.5	Pass



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				-10	12	10.667	0.0041	-2.5 to 2.5	Pass
				0	12	3.944	0.0015	-2.5 to 2.5	Pass
				10	12	5.262	0.0020	-2.5 to 2.5	Pass
				30	12	1.064	0.0004	-2.5 to 2.5	Pass
				40	12	-1.010	-0.0004	-2.5 to 2.5	Pass
				50	12	0.334	0.0001	-2.5 to 2.5	Pass
	2680	100	0	20	10.8	-2.219	-0.0008	-2.5 to 2.5	Pass
					12	-0.677	-0.0003	-2.5 to 2.5	Pass
					13.2	-3.743	-0.0014	-2.5 to 2.5	Pass
				-30	12	2.482	0.0009	-2.5 to 2.5	Pass
				-20	12	8.908	0.0033	-2.5 to 2.5	Pass
				-10	12	6.660	0.0025	-2.5 to 2.5	Pass
				0	12	-3.325	-0.0012	-2.5 to 2.5	Pass
				10	12	9.708	0.0036	-2.5 to 2.5	Pass
				30	12	-2.215	-0.0008	-2.5 to 2.5	Pass
40				12	1.590	0.0006	-2.5 to 2.5	Pass	
50	12	-0.849	-0.0003	-2.5 to 2.5	Pass				
64QAM	2506	100	0	20	10.8	5.403	0.0022	-2.5 to 2.5	Pass
					12	2.247	0.0009	-2.5 to 2.5	Pass
					13.2	6.889	0.0027	-2.5 to 2.5	Pass
				-30	12	-0.127	-0.0001	-2.5 to 2.5	Pass
				-20	12	6.917	0.0028	-2.5 to 2.5	Pass
				-10	12	0.335	0.0001	-2.5 to 2.5	Pass
				0	12	2.163	0.0009	-2.5 to 2.5	Pass
				10	12	4.474	0.0018	-2.5 to 2.5	Pass
				30	12	-0.393	-0.0002	-2.5 to 2.5	Pass
				40	12	-2.537	-0.0010	-2.5 to 2.5	Pass
	50	12	0.216	0.0001	-2.5 to 2.5	Pass			
	2593	100	0	20	10.8	-2.560	-0.0010	-2.5 to 2.5	Pass
					12	8.956	0.0035	-2.5 to 2.5	Pass
					13.2	5.353	0.0021	-2.5 to 2.5	Pass
				-30	12	-0.828	-0.0003	-2.5 to 2.5	Pass
				-20	12	2.364	0.0009	-2.5 to 2.5	Pass
				-10	12	3.336	0.0013	-2.5 to 2.5	Pass
				0	12	-1.019	-0.0004	-2.5 to 2.5	Pass
				10	12	0.811	0.0003	-2.5 to 2.5	Pass
				30	12	7.093	0.0027	-2.5 to 2.5	Pass
				40	12	-3.714	-0.0014	-2.5 to 2.5	Pass
	50	12	1.500	0.0006	-2.5 to 2.5	Pass			
	2680	100	0	20	10.8	0.598	0.0002	-2.5 to 2.5	Pass
					12	-3.836	-0.0014	-2.5 to 2.5	Pass
					13.2	2.594	0.0010	-2.5 to 2.5	Pass
				-30	12	-3.232	-0.0012	-2.5 to 2.5	Pass
				-20	12	1.473	0.0005	-2.5 to 2.5	Pass
				-10	12	6.096	0.0023	-2.5 to 2.5	Pass
				0	12	-0.607	-0.0002	-2.5 to 2.5	Pass
				10	12	-1.454	-0.0005	-2.5 to 2.5	Pass
30				12	5.124	0.0019	-2.5 to 2.5	Pass	
40				12	-1.609	-0.0006	-2.5 to 2.5	Pass	
50	12	-0.371	-0.0001	-2.5 to 2.5	Pass				
256QAM	2506	100	0	20	10.8	7.296	0.0029	-2.5 to 2.5	Pass
					12	5.614	0.0022	-2.5 to 2.5	Pass
					13.2	6.844	0.0027	-2.5 to 2.5	Pass
				-30	12	1.387	0.0006	-2.5 to 2.5	Pass



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				-20	12	5.167	0.0021	-2.5 to 2.5	Pass
				-10	12	2.020	0.0008	-2.5 to 2.5	Pass
				0	12	8.288	0.0033	-2.5 to 2.5	Pass
				10	12	-3.483	-0.0014	-2.5 to 2.5	Pass
				30	12	1.622	0.0006	-2.5 to 2.5	Pass
				40	12	-2.200	-0.0009	-2.5 to 2.5	Pass
				50	12	4.087	0.0016	-2.5 to 2.5	Pass
	2593	100	0	20	10.8	0.732	0.0003	-2.5 to 2.5	Pass
					12	-0.083	0.0000	-2.5 to 2.5	Pass
					13.2	1.558	0.0006	-2.5 to 2.5	Pass
				-30	12	3.219	0.0012	-2.5 to 2.5	Pass
				-20	12	6.687	0.0026	-2.5 to 2.5	Pass
				-10	12	5.280	0.0020	-2.5 to 2.5	Pass
				0	12	4.614	0.0018	-2.5 to 2.5	Pass
				10	12	-3.531	-0.0014	-2.5 to 2.5	Pass
				30	12	-0.023	0.0000	-2.5 to 2.5	Pass
				40	12	6.202	0.0024	-2.5 to 2.5	Pass
				50	12	6.361	0.0025	-2.5 to 2.5	Pass
	2680	100	0	20	10.8	4.913	0.0018	-2.5 to 2.5	Pass
					12	2.665	0.0010	-2.5 to 2.5	Pass
					13.2	3.933	0.0015	-2.5 to 2.5	Pass
				-30	12	-1.176	-0.0004	-2.5 to 2.5	Pass
				-20	12	-0.453	-0.0002	-2.5 to 2.5	Pass
				-10	12	2.534	0.0009	-2.5 to 2.5	Pass
				0	12	-1.173	-0.0004	-2.5 to 2.5	Pass
				10	12	1.001	0.0004	-2.5 to 2.5	Pass
				30	12	0.190	0.0001	-2.5 to 2.5	Pass
				40	12	-4.264	-0.0016	-2.5 to 2.5	Pass
				50	12	-1.972	-0.0007	-2.5 to 2.5	Pass



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11. Frequency Stability

11.1 B42a_5MHz

11.1.1 Test Result

Band: 42a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3452.5	25	0	20	10.8	7.587	0.0022	-2.5 to 2.5	Pass
					12	4.952	0.0014	-2.5 to 2.5	Pass
					13.2	6.025	0.0017	-2.5 to 2.5	Pass
				-30	12	1.060	0.0003	-2.5 to 2.5	Pass
				-20	12	-0.126	0.0000	-2.5 to 2.5	Pass
				-10	12	5.074	0.0015	-2.5 to 2.5	Pass
				0	12	4.836	0.0014	-2.5 to 2.5	Pass
				10	12	5.184	0.0015	-2.5 to 2.5	Pass
				30	12	-7.738	-0.0022	-2.5 to 2.5	Pass
				40	12	-0.715	-0.0002	-2.5 to 2.5	Pass
				50	12	5.810	0.0017	-2.5 to 2.5	Pass
	3500	25	0	20	10.8	-1.148	-0.0003	-2.5 to 2.5	Pass
					12	-3.704	-0.0011	-2.5 to 2.5	Pass
					13.2	5.893	0.0017	-2.5 to 2.5	Pass
				-30	12	4.489	0.0013	-2.5 to 2.5	Pass
				-20	12	-3.541	-0.0010	-2.5 to 2.5	Pass
				-10	12	-1.778	-0.0005	-2.5 to 2.5	Pass
				0	12	1.281	0.0004	-2.5 to 2.5	Pass
				10	12	3.118	0.0009	-2.5 to 2.5	Pass
				30	12	10.690	0.0031	-2.5 to 2.5	Pass
				40	12	1.164	0.0003	-2.5 to 2.5	Pass
				50	12	1.970	0.0006	-2.5 to 2.5	Pass
	3547.5	25	0	20	10.8	-4.349	-0.0012	-2.5 to 2.5	Pass
					12	-6.158	-0.0017	-2.5 to 2.5	Pass
					13.2	10.949	0.0031	-2.5 to 2.5	Pass
				-30	12	1.224	0.0003	-2.5 to 2.5	Pass
				-20	12	7.777	0.0022	-2.5 to 2.5	Pass
				-10	12	9.597	0.0027	-2.5 to 2.5	Pass
				0	12	-0.155	0.0000	-2.5 to 2.5	Pass
				10	12	-0.501	-0.0001	-2.5 to 2.5	Pass
				30	12	3.099	0.0009	-2.5 to 2.5	Pass
				40	12	-7.498	-0.0021	-2.5 to 2.5	Pass
				50	12	0.141	0.0000	-2.5 to 2.5	Pass
16QAM	3452.5	25	0	20	10.8	2.992	0.0009	-2.5 to 2.5	Pass
					12	3.004	0.0009	-2.5 to 2.5	Pass
					13.2	6.563	0.0019	-2.5 to 2.5	Pass
				-30	12	6.286	0.0018	-2.5 to 2.5	Pass
				-20	12	-1.529	-0.0004	-2.5 to 2.5	Pass
				-10	12	3.050	0.0009	-2.5 to 2.5	Pass
				0	12	11.451	0.0033	-2.5 to 2.5	Pass
				10	12	-6.342	-0.0018	-2.5 to 2.5	Pass
				30	12	-3.750	-0.0011	-2.5 to 2.5	Pass
				40	12	-8.670	-0.0025	-2.5 to 2.5	Pass



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	3500	25	0	50	12	5.848	0.0017	-2.5 to 2.5	Pass
				20	10.8	2.527	0.0007	-2.5 to 2.5	Pass
					12	-10.535	-0.0030	-2.5 to 2.5	Pass
					13.2	0.427	0.0001	-2.5 to 2.5	Pass
				-30	12	9.149	0.0026	-2.5 to 2.5	Pass
				-20	12	0.637	0.0002	-2.5 to 2.5	Pass
				-10	12	-2.680	-0.0008	-2.5 to 2.5	Pass
				0	12	1.150	0.0003	-2.5 to 2.5	Pass
				10	12	3.303	0.0009	-2.5 to 2.5	Pass
				30	12	0.674	0.0002	-2.5 to 2.5	Pass
	40	12	-3.381	-0.0010	-2.5 to 2.5	Pass			
	50	12	0.351	0.0001	-2.5 to 2.5	Pass			
	3547.5	25	0	20	10.8	0.887	0.0003	-2.5 to 2.5	Pass
					12	6.278	0.0018	-2.5 to 2.5	Pass
					13.2	-0.672	-0.0002	-2.5 to 2.5	Pass
				-30	12	0.316	0.0001	-2.5 to 2.5	Pass
				-20	12	-3.561	-0.0010	-2.5 to 2.5	Pass
				-10	12	6.945	0.0020	-2.5 to 2.5	Pass
				0	12	5.614	0.0016	-2.5 to 2.5	Pass
				10	12	4.753	0.0013	-2.5 to 2.5	Pass
30				12	-2.295	-0.0006	-2.5 to 2.5	Pass	
40				12	2.856	0.0008	-2.5 to 2.5	Pass	
50	12	-4.877	-0.0014	-2.5 to 2.5	Pass				
64QAM	3452.5	25	0	20	10.8	-3.595	-0.0010	-2.5 to 2.5	Pass
					12	-0.906	-0.0003	-2.5 to 2.5	Pass
					13.2	0.474	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.896	-0.0003	-2.5 to 2.5	Pass
				-20	12	-2.660	-0.0008	-2.5 to 2.5	Pass
				-10	12	2.921	0.0008	-2.5 to 2.5	Pass
				0	12	13.738	0.0040	-2.5 to 2.5	Pass
				10	12	-9.046	-0.0026	-2.5 to 2.5	Pass
				30	12	4.428	0.0013	-2.5 to 2.5	Pass
				40	12	2.710	0.0008	-2.5 to 2.5	Pass
	50	12	1.181	0.0003	-2.5 to 2.5	Pass			
	3500	25	0	20	10.8	7.165	0.0020	-2.5 to 2.5	Pass
					12	-0.074	0.0000	-2.5 to 2.5	Pass
					13.2	-8.221	-0.0023	-2.5 to 2.5	Pass
				-30	12	-1.474	-0.0004	-2.5 to 2.5	Pass
				-20	12	-5.947	-0.0017	-2.5 to 2.5	Pass
				-10	12	6.047	0.0017	-2.5 to 2.5	Pass
				0	12	5.554	0.0016	-2.5 to 2.5	Pass
				10	12	3.830	0.0011	-2.5 to 2.5	Pass
				30	12	-2.039	-0.0006	-2.5 to 2.5	Pass
				40	12	-2.744	-0.0008	-2.5 to 2.5	Pass
	50	12	10.098	0.0029	-2.5 to 2.5	Pass			
	3547.5	25	0	20	10.8	-1.909	-0.0005	-2.5 to 2.5	Pass
					12	3.967	0.0011	-2.5 to 2.5	Pass
					13.2	2.632	0.0007	-2.5 to 2.5	Pass
				-30	12	1.507	0.0004	-2.5 to 2.5	Pass
				-20	12	-7.386	-0.0021	-2.5 to 2.5	Pass
				-10	12	5.202	0.0015	-2.5 to 2.5	Pass
				0	12	-1.001	-0.0003	-2.5 to 2.5	Pass
				10	12	4.121	0.0012	-2.5 to 2.5	Pass
30	12	0.085	0.0000	-2.5 to 2.5	Pass				



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				40	12	-10.105	-0.0028	-2.5 to 2.5	Pass
				50	12	-2.792	-0.0008	-2.5 to 2.5	Pass
256QAM	3452.5	25	0	20	10.8	3.040	0.0009	-2.5 to 2.5	Pass
					12	-3.407	-0.0010	-2.5 to 2.5	Pass
					13.2	7.153	0.0021	-2.5 to 2.5	Pass
				-30	12	5.368	0.0016	-2.5 to 2.5	Pass
				-20	12	10.578	0.0031	-2.5 to 2.5	Pass
				-10	12	9.606	0.0028	-2.5 to 2.5	Pass
				0	12	10.937	0.0032	-2.5 to 2.5	Pass
				10	12	3.808	0.0011	-2.5 to 2.5	Pass
				30	12	1.802	0.0005	-2.5 to 2.5	Pass
				40	12	-0.906	-0.0003	-2.5 to 2.5	Pass
	50	12	2.412	0.0007	-2.5 to 2.5	Pass			
	3500	25	0	20	10.8	-10.034	-0.0029	-2.5 to 2.5	Pass
					12	-8.841	-0.0025	-2.5 to 2.5	Pass
					13.2	2.884	0.0008	-2.5 to 2.5	Pass
				-30	12	-3.630	-0.0010	-2.5 to 2.5	Pass
				-20	12	0.600	0.0002	-2.5 to 2.5	Pass
				-10	12	0.103	0.0000	-2.5 to 2.5	Pass
				0	12	1.712	0.0005	-2.5 to 2.5	Pass
				10	12	-2.279	-0.0007	-2.5 to 2.5	Pass
				30	12	-0.090	0.0000	-2.5 to 2.5	Pass
				40	12	-6.945	-0.0020	-2.5 to 2.5	Pass
	50	12	-0.624	-0.0002	-2.5 to 2.5	Pass			
	3547.5	25	0	20	10.8	10.879	0.0031	-2.5 to 2.5	Pass
					12	-1.458	-0.0004	-2.5 to 2.5	Pass
					13.2	5.881	0.0017	-2.5 to 2.5	Pass
				-30	12	-5.438	-0.0015	-2.5 to 2.5	Pass
				-20	12	-6.543	-0.0018	-2.5 to 2.5	Pass
-10				12	-9.606	-0.0027	-2.5 to 2.5	Pass	
0				12	-12.911	-0.0036	-2.5 to 2.5	Pass	
10				12	-7.729	-0.0022	-2.5 to 2.5	Pass	
30				12	4.815	0.0014	-2.5 to 2.5	Pass	
40				12	6.698	0.0019	-2.5 to 2.5	Pass	
50	12	-2.556	-0.0007	-2.5 to 2.5	Pass				

11.2 B42a 10MHz

11.2.1 Test Result

Band: 42a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3455	50	0	20	10.8	-5.011	-0.0015	-2.5 to 2.5	Pass
					12	-1.092	-0.0003	-2.5 to 2.5	Pass
					13.2	-3.978	-0.0012	-2.5 to 2.5	Pass
				-30	12	-1.878	-0.0005	-2.5 to 2.5	Pass
				-20	12	0.280	0.0001	-2.5 to 2.5	Pass
				-10	12	-3.753	-0.0011	-2.5 to 2.5	Pass
				0	12	-1.169	-0.0003	-2.5 to 2.5	Pass
				10	12	-1.638	-0.0005	-2.5 to 2.5	Pass
				30	12	4.261	0.0012	-2.5 to 2.5	Pass



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	3500	50	0	40	12	8.093	0.0023	-2.5 to 2.5	Pass
				50	12	1.217	0.0004	-2.5 to 2.5	Pass
				20	10.8	-4.999	-0.0014	-2.5 to 2.5	Pass
					12	2.657	0.0008	-2.5 to 2.5	Pass
					13.2	7.903	0.0023	-2.5 to 2.5	Pass
				-30	12	9.316	0.0027	-2.5 to 2.5	Pass
				-20	12	6.717	0.0019	-2.5 to 2.5	Pass
				-10	12	0.131	0.0000	-2.5 to 2.5	Pass
				0	12	3.217	0.0009	-2.5 to 2.5	Pass
				10	12	-3.356	-0.0010	-2.5 to 2.5	Pass
				30	12	2.746	0.0008	-2.5 to 2.5	Pass
				40	12	2.563	0.0007	-2.5 to 2.5	Pass
				50	12	2.018	0.0006	-2.5 to 2.5	Pass
	3545	50	0	20	10.8	-4.218	-0.0012	-2.5 to 2.5	Pass
					12	1.943	0.0005	-2.5 to 2.5	Pass
					13.2	1.582	0.0004	-2.5 to 2.5	Pass
				-30	12	-0.288	-0.0001	-2.5 to 2.5	Pass
				-20	12	5.548	0.0016	-2.5 to 2.5	Pass
				-10	12	-0.526	-0.0001	-2.5 to 2.5	Pass
				0	12	-0.774	-0.0002	-2.5 to 2.5	Pass
				10	12	8.759	0.0025	-2.5 to 2.5	Pass
				30	12	3.807	0.0011	-2.5 to 2.5	Pass
				40	12	8.730	0.0025	-2.5 to 2.5	Pass
				50	12	-3.885	-0.0011	-2.5 to 2.5	Pass
16QAM	3455	50	0	20	10.8	5.743	0.0017	-2.5 to 2.5	Pass
					12	6.231	0.0018	-2.5 to 2.5	Pass
					13.2	2.977	0.0009	-2.5 to 2.5	Pass
				-30	12	5.583	0.0016	-2.5 to 2.5	Pass
				-20	12	5.420	0.0016	-2.5 to 2.5	Pass
				-10	12	-0.707	-0.0002	-2.5 to 2.5	Pass
				0	12	11.644	0.0034	-2.5 to 2.5	Pass
				10	12	3.033	0.0009	-2.5 to 2.5	Pass
				30	12	2.107	0.0006	-2.5 to 2.5	Pass
				40	12	3.563	0.0010	-2.5 to 2.5	Pass
	3500	50	0	50	12	2.627	0.0008	-2.5 to 2.5	Pass
				20	10.8	4.208	0.0012	-2.5 to 2.5	Pass
					12	3.563	0.0010	-2.5 to 2.5	Pass
					13.2	-2.440	-0.0007	-2.5 to 2.5	Pass
				-30	12	-1.418	-0.0004	-2.5 to 2.5	Pass
				-20	12	3.655	0.0010	-2.5 to 2.5	Pass
				-10	12	-3.755	-0.0011	-2.5 to 2.5	Pass
				0	12	-4.304	-0.0012	-2.5 to 2.5	Pass
				10	12	-0.607	-0.0002	-2.5 to 2.5	Pass
				30	12	-5.295	-0.0015	-2.5 to 2.5	Pass
				40	12	2.702	0.0008	-2.5 to 2.5	Pass
				50	12	0.127	0.0000	-2.5 to 2.5	Pass
	3545	50	0	20	10.8	2.829	0.0008	-2.5 to 2.5	Pass
					12	-2.974	-0.0008	-2.5 to 2.5	Pass
					13.2	4.242	0.0012	-2.5 to 2.5	Pass
				-30	12	0.750	0.0002	-2.5 to 2.5	Pass
				-20	12	4.899	0.0014	-2.5 to 2.5	Pass
				-10	12	6.254	0.0018	-2.5 to 2.5	Pass
				0	12	8.155	0.0023	-2.5 to 2.5	Pass
				10	12	7.144	0.0020	-2.5 to 2.5	Pass



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				30	12	1.924	0.0005	-2.5 to 2.5	Pass
				40	12	0.728	0.0002	-2.5 to 2.5	Pass
				50	12	-2.505	-0.0007	-2.5 to 2.5	Pass
64QAM	3455	50	0	20	10.8	1.770	0.0005	-2.5 to 2.5	Pass
					12	-0.266	-0.0001	-2.5 to 2.5	Pass
					13.2	1.081	0.0003	-2.5 to 2.5	Pass
				-30	12	-1.098	-0.0003	-2.5 to 2.5	Pass
				-20	12	2.676	0.0008	-2.5 to 2.5	Pass
				-10	12	14.639	0.0042	-2.5 to 2.5	Pass
				0	12	8.088	0.0023	-2.5 to 2.5	Pass
				10	12	-2.136	-0.0006	-2.5 to 2.5	Pass
				30	12	-2.654	-0.0008	-2.5 to 2.5	Pass
				40	12	4.747	0.0014	-2.5 to 2.5	Pass
	50	12	-2.983	-0.0009	-2.5 to 2.5	Pass			
	3500	50	0	20	10.8	7.398	0.0021	-2.5 to 2.5	Pass
					12	-3.988	-0.0011	-2.5 to 2.5	Pass
					13.2	-2.439	-0.0007	-2.5 to 2.5	Pass
				-30	12	-0.046	0.0000	-2.5 to 2.5	Pass
				-20	12	5.540	0.0016	-2.5 to 2.5	Pass
				-10	12	0.859	0.0002	-2.5 to 2.5	Pass
				0	12	0.161	0.0000	-2.5 to 2.5	Pass
				10	12	-7.481	-0.0021	-2.5 to 2.5	Pass
				30	12	3.778	0.0011	-2.5 to 2.5	Pass
				40	12	5.412	0.0015	-2.5 to 2.5	Pass
	50	12	-0.897	-0.0003	-2.5 to 2.5	Pass			
	3545	50	0	20	10.8	8.020	0.0023	-2.5 to 2.5	Pass
					12	3.678	0.0010	-2.5 to 2.5	Pass
					13.2	3.440	0.0010	-2.5 to 2.5	Pass
				-30	12	1.170	0.0003	-2.5 to 2.5	Pass
				-20	12	-4.142	-0.0012	-2.5 to 2.5	Pass
				-10	12	12.757	0.0036	-2.5 to 2.5	Pass
				0	12	10.154	0.0029	-2.5 to 2.5	Pass
				10	12	-0.552	-0.0002	-2.5 to 2.5	Pass
30				12	4.421	0.0012	-2.5 to 2.5	Pass	
40				12	0.576	0.0002	-2.5 to 2.5	Pass	
50	12	5.255	0.0015	-2.5 to 2.5	Pass				
256QAM	3455	50	0	20	10.8	6.511	0.0019	-2.5 to 2.5	Pass
					12	6.727	0.0019	-2.5 to 2.5	Pass
					13.2	0.478	0.0001	-2.5 to 2.5	Pass
				-30	12	-2.192	-0.0006	-2.5 to 2.5	Pass
				-20	12	-6.046	-0.0017	-2.5 to 2.5	Pass
				-10	12	12.105	0.0035	-2.5 to 2.5	Pass
				0	12	-0.339	-0.0001	-2.5 to 2.5	Pass
				10	12	4.365	0.0013	-2.5 to 2.5	Pass
				30	12	7.673	0.0022	-2.5 to 2.5	Pass
				40	12	-3.925	-0.0011	-2.5 to 2.5	Pass
	50	12	4.531	0.0013	-2.5 to 2.5	Pass			
	3500	50	0	20	10.8	4.962	0.0014	-2.5 to 2.5	Pass
					12	-0.739	-0.0002	-2.5 to 2.5	Pass
					13.2	-5.474	-0.0016	-2.5 to 2.5	Pass
				-30	12	-2.465	-0.0007	-2.5 to 2.5	Pass
				-20	12	5.513	0.0016	-2.5 to 2.5	Pass
				-10	12	4.825	0.0014	-2.5 to 2.5	Pass
				0	12	1.618	0.0005	-2.5 to 2.5	Pass



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3545	50	0	10	12	-2.453	-0.0007	-2.5 to 2.5	Pass
			30	12	7.057	0.0020	-2.5 to 2.5	Pass
			40	12	6.180	0.0018	-2.5 to 2.5	Pass
			50	12	6.434	0.0018	-2.5 to 2.5	Pass
			20	10.8	8.392	0.0024	-2.5 to 2.5	Pass
				12	10.658	0.0030	-2.5 to 2.5	Pass
				13.2	0.730	0.0002	-2.5 to 2.5	Pass
			-30	12	7.298	0.0021	-2.5 to 2.5	Pass
			-20	12	8.808	0.0025	-2.5 to 2.5	Pass
			-10	12	5.131	0.0014	-2.5 to 2.5	Pass
			0	12	1.004	0.0003	-2.5 to 2.5	Pass
			10	12	4.801	0.0014	-2.5 to 2.5	Pass
			30	12	-0.253	-0.0001	-2.5 to 2.5	Pass
			40	12	-8.489	-0.0024	-2.5 to 2.5	Pass
			50	12	-2.667	-0.0008	-2.5 to 2.5	Pass

11.3 B42a_15MHz

11.3.1 Test Result

Band: 42a / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3457.5	75	0	20	10.8	8.263	0.0024	-2.5 to 2.5	Pass
					12	-0.127	0.0000	-2.5 to 2.5	Pass
					13.2	10.89	0.0009	-2.5 to 2.5	Pass
				-30	12	-1.814	-0.0005	-2.5 to 2.5	Pass
				-20	12	1.358	0.0004	-2.5 to 2.5	Pass
				-10	12	3.909	0.0011	-2.5 to 2.5	Pass
				0	12	-1.793	-0.0005	-2.5 to 2.5	Pass
				10	12	7.171	0.0021	-2.5 to 2.5	Pass
				30	12	5.069	0.0015	-2.5 to 2.5	Pass
				40	12	5.049	0.0015	-2.5 to 2.5	Pass
				50	12	-4.388	-0.0013	-2.5 to 2.5	Pass
	3500	75	0	20	10.8	3.698	0.0011	-2.5 to 2.5	Pass
					12	2.441	0.0007	-2.5 to 2.5	Pass
					13.2	-11.094	-0.0032	-2.5 to 2.5	Pass
				-30	12	3.625	0.0010	-2.5 to 2.5	Pass
				-20	12	4.999	0.0014	-2.5 to 2.5	Pass
				-10	12	0.425	0.0001	-2.5 to 2.5	Pass
				0	12	3.872	0.0011	-2.5 to 2.5	Pass
				10	12	8.803	0.0025	-2.5 to 2.5	Pass
				30	12	5.774	0.0016	-2.5 to 2.5	Pass
				40	12	3.365	0.0010	-2.5 to 2.5	Pass
				50	12	2.501	0.0007	-2.5 to 2.5	Pass
	3542.5	75	0	20	10.8	-3.031	-0.0009	-2.5 to 2.5	Pass
					12	5.783	0.0016	-2.5 to 2.5	Pass
					13.2	1.695	0.0005	-2.5 to 2.5	Pass
				-30	12	11.333	0.0032	-2.5 to 2.5	Pass
				-20	12	11.156	0.0031	-2.5 to 2.5	Pass
				-10	12	3.212	0.0009	-2.5 to 2.5	Pass
				0	12	-3.672	-0.0010	-2.5 to 2.5	Pass



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				10	12	0.854	0.0002	-2.5 to 2.5	Pass		
				30	12	4.779	0.0013	-2.5 to 2.5	Pass		
				40	12	-1.050	-0.0003	-2.5 to 2.5	Pass		
				50	12	2.978	0.0008	-2.5 to 2.5	Pass		
16QAM	3457.5	75	0	20	10.8	7.020	0.0020	-2.5 to 2.5	Pass		
					12	-2.863	-0.0008	-2.5 to 2.5	Pass		
					13.2	3.286	0.0010	-2.5 to 2.5	Pass		
				-30	12	5.033	0.0015	-2.5 to 2.5	Pass		
				-20	12	-1.615	-0.0005	-2.5 to 2.5	Pass		
				-10	12	1.870	0.0005	-2.5 to 2.5	Pass		
				0	12	-5.088	-0.0015	-2.5 to 2.5	Pass		
				10	12	5.315	0.0015	-2.5 to 2.5	Pass		
				30	12	-2.916	-0.0008	-2.5 to 2.5	Pass		
				40	12	3.455	0.0010	-2.5 to 2.5	Pass		
				50	12	2.031	0.0006	-2.5 to 2.5	Pass		
				3500	75	0	20	10.8	7.679	0.0022	-2.5 to 2.5
	12	-0.809	-0.0002					-2.5 to 2.5	Pass		
	13.2	1.690	0.0005					-2.5 to 2.5	Pass		
	-30	12	4.723				0.0013	-2.5 to 2.5	Pass		
	-20	12	-3.781				-0.0011	-2.5 to 2.5	Pass		
	-10	12	0.353				0.0001	-2.5 to 2.5	Pass		
	0	12	6.155				0.0018	-2.5 to 2.5	Pass		
	10	12	0.751				0.0002	-2.5 to 2.5	Pass		
	30	12	0.781				0.0002	-2.5 to 2.5	Pass		
	40	12	3.181				0.0009	-2.5 to 2.5	Pass		
	50	12	-2.451				-0.0007	-2.5 to 2.5	Pass		
	3542.5	75	0				20	10.8	3.571	0.0010	-2.5 to 2.5
				12	5.786	0.0016		-2.5 to 2.5	Pass		
				13.2	7.420	0.0021		-2.5 to 2.5	Pass		
				-30	12	-1.169	-0.0003	-2.5 to 2.5	Pass		
				-20	12	-0.461	-0.0001	-2.5 to 2.5	Pass		
				-10	12	-0.476	-0.0001	-2.5 to 2.5	Pass		
				0	12	-0.916	-0.0003	-2.5 to 2.5	Pass		
				10	12	2.216	0.0006	-2.5 to 2.5	Pass		
				30	12	-1.312	-0.0004	-2.5 to 2.5	Pass		
				40	12	3.231	0.0009	-2.5 to 2.5	Pass		
50				12	1.411	0.0004	-2.5 to 2.5	Pass			
64QAM				3457.5	75	0	20	10.8	7.177	0.0021	-2.5 to 2.5
	12	0.115	0.0000					-2.5 to 2.5	Pass		
	13.2	0.724	0.0002					-2.5 to 2.5	Pass		
	-30	12	-0.271				-0.0001	-2.5 to 2.5	Pass		
	-20	12	11.454				0.0033	-2.5 to 2.5	Pass		
	-10	12	-0.185				-0.0001	-2.5 to 2.5	Pass		
	0	12	4.461				0.0013	-2.5 to 2.5	Pass		
	10	12	-0.479				-0.0001	-2.5 to 2.5	Pass		
	30	12	3.776				0.0011	-2.5 to 2.5	Pass		
	40	12	-2.811				-0.0008	-2.5 to 2.5	Pass		
	50	12	-2.180				-0.0006	-2.5 to 2.5	Pass		
	3500	75	0				20	10.8	3.744	0.0011	-2.5 to 2.5
				12	17.996	0.0051		-2.5 to 2.5	Pass		
				13.2	3.038	0.0009		-2.5 to 2.5	Pass		
				-30	12	6.081	0.0017	-2.5 to 2.5	Pass		
				-20	12	9.521	0.0027	-2.5 to 2.5	Pass		
				-10	12	9.711	0.0028	-2.5 to 2.5	Pass		



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				0	12	6.307	0.0018	-2.5 to 2.5	Pass
				10	12	-12.495	-0.0036	-2.5 to 2.5	Pass
				30	12	7.714	0.0022	-2.5 to 2.5	Pass
				40	12	7.333	0.0021	-2.5 to 2.5	Pass
				50	12	-5.343	-0.0015	-2.5 to 2.5	Pass
	3542.5	75	0	20	10.8	0.107	0.0000	-2.5 to 2.5	Pass
					12	2.536	0.0007	-2.5 to 2.5	Pass
					13.2	2.660	0.0008	-2.5 to 2.5	Pass
				-30	12	3.229	0.0009	-2.5 to 2.5	Pass
				-20	12	-1.322	-0.0004	-2.5 to 2.5	Pass
				-10	12	2.214	0.0006	-2.5 to 2.5	Pass
				0	12	-3.621	-0.0010	-2.5 to 2.5	Pass
				10	12	-0.183	-0.0001	-2.5 to 2.5	Pass
				30	12	0.047	0.0000	-2.5 to 2.5	Pass
				40	12	4.108	0.0012	-2.5 to 2.5	Pass
				50	12	5.745	0.0016	-2.5 to 2.5	Pass
	3457.5	75	0	20	10.8	-2.524	-0.0007	-2.5 to 2.5	Pass
					12	-1.268	-0.0004	-2.5 to 2.5	Pass
					13.2	-2.084	-0.0006	-2.5 to 2.5	Pass
				-30	12	2.502	0.0007	-2.5 to 2.5	Pass
				-20	12	0.009	0.0000	-2.5 to 2.5	Pass
				-10	12	2.495	0.0007	-2.5 to 2.5	Pass
				0	12	0.982	0.0003	-2.5 to 2.5	Pass
				10	12	1.236	0.0004	-2.5 to 2.5	Pass
				30	12	-4.193	-0.0012	-2.5 to 2.5	Pass
				40	12	5.887	0.0017	-2.5 to 2.5	Pass
				50	12	8.037	0.0023	-2.5 to 2.5	Pass
	3500	75	0	20	10.8	7.465	0.0021	-2.5 to 2.5	Pass
					12	7.535	0.0022	-2.5 to 2.5	Pass
					13.2	1.028	0.0003	-2.5 to 2.5	Pass
				-30	12	7.051	0.0020	-2.5 to 2.5	Pass
				-20	12	7.110	0.0020	-2.5 to 2.5	Pass
				-10	12	3.819	0.0011	-2.5 to 2.5	Pass
				0	12	3.658	0.0010	-2.5 to 2.5	Pass
				10	12	2.049	0.0006	-2.5 to 2.5	Pass
				30	12	5.560	0.0016	-2.5 to 2.5	Pass
				40	12	-4.306	-0.0012	-2.5 to 2.5	Pass
				50	12	-4.164	-0.0012	-2.5 to 2.5	Pass
256QAM	3542.5	75	0	20	10.8	2.817	0.0008	-2.5 to 2.5	Pass
					12	-0.106	0.0000	-2.5 to 2.5	Pass
					13.2	3.489	0.0010	-2.5 to 2.5	Pass
				-30	12	6.052	0.0017	-2.5 to 2.5	Pass
				-20	12	3.166	0.0009	-2.5 to 2.5	Pass
				-10	12	6.460	0.0018	-2.5 to 2.5	Pass
				0	12	0.847	0.0002	-2.5 to 2.5	Pass
				10	12	-3.923	-0.0011	-2.5 to 2.5	Pass
				30	12	1.232	0.0003	-2.5 to 2.5	Pass
				40	12	5.541	0.0016	-2.5 to 2.5	Pass
				50	12	-0.919	-0.0003	-2.5 to 2.5	Pass

11.4 B42a_20MHz



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Test Report Form Version: Rev01

Member of the SGS Group (SGS SA)

11.4.1 Test Result

Band: 42a / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3460	100	0	20	10.8	-5.397	-0.0016	-2.5 to 2.5	Pass
					12	-5.373	-0.0016	-2.5 to 2.5	Pass
					13.2	-1.929	-0.0006	-2.5 to 2.5	Pass
				-30	12	5.199	0.0015	-2.5 to 2.5	Pass
				-20	12	-2.151	-0.0006	-2.5 to 2.5	Pass
				-10	12	3.740	0.0011	-2.5 to 2.5	Pass
				0	12	9.238	0.0027	-2.5 to 2.5	Pass
				10	12	0.076	0.0000	-2.5 to 2.5	Pass
				30	12	-0.339	-0.0001	-2.5 to 2.5	Pass
				40	12	-5.180	-0.0015	-2.5 to 2.5	Pass
				50	12	-0.871	-0.0003	-2.5 to 2.5	Pass
	3500	100	0	20	10.8	-0.451	-0.0001	-2.5 to 2.5	Pass
					12	-9.269	-0.0026	-2.5 to 2.5	Pass
					13.2	6.665	0.0019	-2.5 to 2.5	Pass
				-30	12	11.136	0.0032	-2.5 to 2.5	Pass
				-20	12	-5.355	-0.0015	-2.5 to 2.5	Pass
				-10	12	2.399	0.0007	-2.5 to 2.5	Pass
				0	12	5.830	0.0017	-2.5 to 2.5	Pass
				10	12	0.959	0.0003	-2.5 to 2.5	Pass
				30	12	-3.382	-0.0010	-2.5 to 2.5	Pass
				40	12	2.890	0.0008	-2.5 to 2.5	Pass
				50	12	-4.711	-0.0013	-2.5 to 2.5	Pass
	3540	100	0	20	10.8	-3.787	-0.0011	-2.5 to 2.5	Pass
					12	11.798	0.0033	-2.5 to 2.5	Pass
					13.2	-1.545	-0.0004	-2.5 to 2.5	Pass
				-30	12	13.105	0.0037	-2.5 to 2.5	Pass
				-20	12	7.426	0.0021	-2.5 to 2.5	Pass
				-10	12	11.395	0.0032	-2.5 to 2.5	Pass
				0	12	-9.655	-0.0027	-2.5 to 2.5	Pass
				10	12	3.411	0.0010	-2.5 to 2.5	Pass
				30	12	7.246	0.0020	-2.5 to 2.5	Pass
				40	12	1.010	0.0003	-2.5 to 2.5	Pass
				50	12	-7.376	-0.0021	-2.5 to 2.5	Pass
16QAM	3460	100	0	20	10.8	-1.148	-0.0003	-2.5 to 2.5	Pass
					12	10.185	0.0029	-2.5 to 2.5	Pass
					13.2	0.192	0.0001	-2.5 to 2.5	Pass
				-30	12	-2.001	-0.0006	-2.5 to 2.5	Pass
				-20	12	4.445	0.0013	-2.5 to 2.5	Pass
				-10	12	-0.117	0.0000	-2.5 to 2.5	Pass
				0	12	2.510	0.0007	-2.5 to 2.5	Pass
				10	12	-3.800	-0.0011	-2.5 to 2.5	Pass
				30	12	-6.901	-0.0020	-2.5 to 2.5	Pass
				40	12	-6.135	-0.0018	-2.5 to 2.5	Pass
				50	12	-2.292	-0.0007	-2.5 to 2.5	Pass
	3500	100	0	20	10.8	4.604	0.0013	-2.5 to 2.5	Pass
					12	-1.756	-0.0005	-2.5 to 2.5	Pass
					13.2	0.404	0.0001	-2.5 to 2.5	Pass
				-30	12	-2.322	-0.0007	-2.5 to 2.5	Pass
				-20	12	0.488	0.0001	-2.5 to 2.5	Pass



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				-10	12	-3.716	-0.0011	-2.5 to 2.5	Pass
				0	12	2.957	0.0008	-2.5 to 2.5	Pass
				10	12	2.336	0.0007	-2.5 to 2.5	Pass
				30	12	1.204	0.0003	-2.5 to 2.5	Pass
				40	12	2.554	0.0007	-2.5 to 2.5	Pass
				50	12	-4.316	-0.0012	-2.5 to 2.5	Pass
	3540	100	0	20	10.8	-0.644	-0.0002	-2.5 to 2.5	Pass
					12	-4.324	-0.0012	-2.5 to 2.5	Pass
					13.2	6.817	0.0019	-2.5 to 2.5	Pass
				-30	12	0.809	0.0002	-2.5 to 2.5	Pass
				-20	12	-1.824	-0.0005	-2.5 to 2.5	Pass
				-10	12	3.500	0.0010	-2.5 to 2.5	Pass
				0	12	-3.223	-0.0009	-2.5 to 2.5	Pass
				10	12	2.758	0.0008	-2.5 to 2.5	Pass
				30	12	-1.405	-0.0004	-2.5 to 2.5	Pass
				40	12	10.049	0.0028	-2.5 to 2.5	Pass
				50	12	-0.367	-0.0001	-2.5 to 2.5	Pass
64QAM	3460	100	0	20	10.8	5.433	0.0016	-2.5 to 2.5	Pass
					12	0.380	0.0001	-2.5 to 2.5	Pass
					13.2	-7.087	-0.0020	-2.5 to 2.5	Pass
				-30	12	6.451	0.0019	-2.5 to 2.5	Pass
				-20	12	-1.357	-0.0004	-2.5 to 2.5	Pass
				-10	12	9.223	0.0027	-2.5 to 2.5	Pass
				0	12	-5.397	-0.0016	-2.5 to 2.5	Pass
				10	12	9.443	0.0027	-2.5 to 2.5	Pass
				30	12	3.159	0.0009	-2.5 to 2.5	Pass
				40	12	1.815	0.0005	-2.5 to 2.5	Pass
				50	12	-0.617	-0.0002	-2.5 to 2.5	Pass
	3500	100	0	20	10.8	3.128	0.0009	-2.5 to 2.5	Pass
					12	6.220	0.0018	-2.5 to 2.5	Pass
					13.2	5.136	0.0015	-2.5 to 2.5	Pass
				-30	12	4.777	0.0014	-2.5 to 2.5	Pass
				-20	12	-5.163	-0.0015	-2.5 to 2.5	Pass
				-10	12	-2.856	-0.0008	-2.5 to 2.5	Pass
				0	12	1.902	0.0005	-2.5 to 2.5	Pass
				10	12	-1.883	-0.0005	-2.5 to 2.5	Pass
				30	12	-3.105	-0.0009	-2.5 to 2.5	Pass
				40	12	-7.573	-0.0022	-2.5 to 2.5	Pass
				50	12	3.412	0.0010	-2.5 to 2.5	Pass
	3540	100	0	20	10.8	0.084	0.0000	-2.5 to 2.5	Pass
					12	0.799	0.0002	-2.5 to 2.5	Pass
					13.2	1.732	0.0005	-2.5 to 2.5	Pass
				-30	12	3.365	0.0010	-2.5 to 2.5	Pass
				-20	12	1.804	0.0005	-2.5 to 2.5	Pass
				-10	12	-1.197	-0.0003	-2.5 to 2.5	Pass
				0	12	-0.005	0.0000	-2.5 to 2.5	Pass
				10	12	0.492	0.0001	-2.5 to 2.5	Pass
				30	12	6.210	0.0018	-2.5 to 2.5	Pass
				40	12	-4.194	-0.0012	-2.5 to 2.5	Pass
256QAM	3460	100	0	20	10.8	2.416	0.0007	-2.5 to 2.5	Pass
					12	3.370	0.0010	-2.5 to 2.5	Pass
					13.2	7.915	0.0023	-2.5 to 2.5	Pass
				-30	12	6.547	0.0019	-2.5 to 2.5	Pass



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				-20	12	-6.010	-0.0017	-2.5 to 2.5	Pass
				-10	12	-1.266	-0.0004	-2.5 to 2.5	Pass
				0	12	7.836	0.0023	-2.5 to 2.5	Pass
				10	12	7.401	0.0021	-2.5 to 2.5	Pass
				30	12	-0.995	-0.0003	-2.5 to 2.5	Pass
				40	12	-0.293	-0.0001	-2.5 to 2.5	Pass
				50	12	-2.813	-0.0008	-2.5 to 2.5	Pass
	3500	100	0	20	10.8	7.971	0.0023	-2.5 to 2.5	Pass
					12	3.223	0.0009	-2.5 to 2.5	Pass
					13.2	-2.091	-0.0006	-2.5 to 2.5	Pass
				-30	12	8.505	0.0024	-2.5 to 2.5	Pass
				-20	12	9.561	0.0027	-2.5 to 2.5	Pass
				-10	12	1.593	0.0005	-2.5 to 2.5	Pass
				0	12	-7.626	-0.0022	-2.5 to 2.5	Pass
				10	12	7.299	0.0021	-2.5 to 2.5	Pass
				30	12	0.831	0.0002	-2.5 to 2.5	Pass
				40	12	8.995	0.0026	-2.5 to 2.5	Pass
				50	12	0.608	0.0002	-2.5 to 2.5	Pass
	3540	100	0	20	10.8	-4.575	-0.0013	-2.5 to 2.5	Pass
					12	4.253	0.0012	-2.5 to 2.5	Pass
					13.2	-0.353	-0.0001	-2.5 to 2.5	Pass
				-30	12	6.483	0.0018	-2.5 to 2.5	Pass
				-20	12	2.937	0.0008	-2.5 to 2.5	Pass
				-10	12	5.494	0.0016	-2.5 to 2.5	Pass
				0	12	5.400	0.0015	-2.5 to 2.5	Pass
				10	12	-3.135	-0.0009	-2.5 to 2.5	Pass
				30	12	5.385	0.0015	-2.5 to 2.5	Pass
				40	12	8.330	0.0024	-2.5 to 2.5	Pass
				50	12	-3.681	-0.0010	-2.5 to 2.5	Pass



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12. Frequency Stability

12.1 B42c_5MHz

12.1.1 Test Result

Band: 42c / 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	10.8	2.706	0.0008	-2.5 to 2.5	Pass
					12	-4.141	-0.0012	-2.5 to 2.5	Pass
					13.2	7.539	0.0021	-2.5 to 2.5	Pass
				-30	12	-0.013	0.0000	-2.5 to 2.5	Pass
				-20	12	6.337	0.0018	-2.5 to 2.5	Pass
				-10	12	2.442	0.0007	-2.5 to 2.5	Pass
				0	12	-0.998	-0.0003	-2.5 to 2.5	Pass
				10	12	0.333	0.0001	-2.5 to 2.5	Pass
				30	12	1.133	0.0003	-2.5 to 2.5	Pass
				40	12	3.238	0.0009	-2.5 to 2.5	Pass
				50	12	3.597	0.0010	-2.5 to 2.5	Pass
	3575	25	0	20	10.8	-2.001	-0.0006	-2.5 to 2.5	Pass
					12	-5.868	-0.0016	-2.5 to 2.5	Pass
					13.2	1.841	0.0005	-2.5 to 2.5	Pass
				-30	12	-0.077	0.0000	-2.5 to 2.5	Pass
				-20	12	-3.042	-0.0009	-2.5 to 2.5	Pass
				-10	12	4.499	0.0013	-2.5 to 2.5	Pass
				0	12	2.507	0.0007	-2.5 to 2.5	Pass
				10	12	0.126	0.0000	-2.5 to 2.5	Pass
				30	12	1.111	0.0003	-2.5 to 2.5	Pass
				40	12	2.949	0.0008	-2.5 to 2.5	Pass
				50	12	13.383	0.0037	-2.5 to 2.5	Pass
	3597.5	25	0	20	10.8	-4.030	-0.0011	-2.5 to 2.5	Pass
					12	-0.835	-0.0002	-2.5 to 2.5	Pass
					13.2	2.553	0.0007	-2.5 to 2.5	Pass
				-30	12	4.075	0.0011	-2.5 to 2.5	Pass
				-20	12	4.832	0.0013	-2.5 to 2.5	Pass
				-10	12	0.314	0.0001	-2.5 to 2.5	Pass
				0	12	1.554	0.0004	-2.5 to 2.5	Pass
				10	12	4.021	0.0011	-2.5 to 2.5	Pass
				30	12	-3.283	-0.0009	-2.5 to 2.5	Pass
				40	12	-6.328	-0.0018	-2.5 to 2.5	Pass
16QAM	3552.5	25	0	20	10.8	-0.157	0.0000	-2.5 to 2.5	Pass
					12	1.258	0.0004	-2.5 to 2.5	Pass
					13.2	7.187	0.0020	-2.5 to 2.5	Pass
				-30	12	3.483	0.0010	-2.5 to 2.5	Pass
				-20	12	-0.988	-0.0003	-2.5 to 2.5	Pass
				-10	12	4.020	0.0011	-2.5 to 2.5	Pass
				0	12	4.183	0.0012	-2.5 to 2.5	Pass
				10	12	2.062	0.0006	-2.5 to 2.5	Pass
				30	12	1.811	0.0005	-2.5 to 2.5	Pass
				40	12	1.901	0.0005	-2.5 to 2.5	Pass



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	3575	25	0	50	12	-5.406	-0.0015	-2.5 to 2.5	Pass
				20	10.8	8.321	0.0023	-2.5 to 2.5	Pass
					12	3.435	0.0010	-2.5 to 2.5	Pass
					13.2	-4.619	-0.0013	-2.5 to 2.5	Pass
				-30	12	2.561	0.0007	-2.5 to 2.5	Pass
				-20	12	4.966	0.0014	-2.5 to 2.5	Pass
				-10	12	3.469	0.0010	-2.5 to 2.5	Pass
				0	12	2.163	0.0006	-2.5 to 2.5	Pass
				10	12	0.858	0.0002	-2.5 to 2.5	Pass
				30	12	1.302	0.0004	-2.5 to 2.5	Pass
	40	12	0.976	0.0003	-2.5 to 2.5	Pass			
	50	12	-3.873	-0.0011	-2.5 to 2.5	Pass			
	3597.5	25	0	20	10.8	1.007	0.0003	-2.5 to 2.5	Pass
					12	-1.355	-0.0004	-2.5 to 2.5	Pass
					13.2	0.549	0.0002	-2.5 to 2.5	Pass
				-30	12	2.462	0.0007	-2.5 to 2.5	Pass
				-20	12	3.986	0.0011	-2.5 to 2.5	Pass
				-10	12	1.982	0.0006	-2.5 to 2.5	Pass
				0	12	-2.615	-0.0007	-2.5 to 2.5	Pass
				10	12	-2.521	-0.0007	-2.5 to 2.5	Pass
30				12	-1.611	-0.0004	-2.5 to 2.5	Pass	
40				12	-5.378	-0.0015	-2.5 to 2.5	Pass	
50	12	9.132	0.0025	-2.5 to 2.5	Pass				
64QAM	3552.5	25	0	20	10.8	13.237	0.0037	-2.5 to 2.5	Pass
					12	7.100	0.0020	-2.5 to 2.5	Pass
					13.2	-2.967	-0.0008	-2.5 to 2.5	Pass
				-30	12	-6.784	-0.0019	-2.5 to 2.5	Pass
				-20	12	2.597	0.0007	-2.5 to 2.5	Pass
				-10	12	-5.788	-0.0016	-2.5 to 2.5	Pass
				0	12	-2.317	-0.0007	-2.5 to 2.5	Pass
				10	12	2.941	0.0008	-2.5 to 2.5	Pass
				30	12	-2.093	-0.0006	-2.5 to 2.5	Pass
				40	12	-12.859	-0.0036	-2.5 to 2.5	Pass
	50	12	-8.609	-0.0024	-2.5 to 2.5	Pass			
	3575	25	0	20	10.8	4.569	0.0013	-2.5 to 2.5	Pass
					12	1.901	0.0005	-2.5 to 2.5	Pass
					13.2	4.474	0.0013	-2.5 to 2.5	Pass
				-30	12	-1.184	-0.0003	-2.5 to 2.5	Pass
				-20	12	1.428	0.0004	-2.5 to 2.5	Pass
				-10	12	-6.481	-0.0018	-2.5 to 2.5	Pass
				0	12	1.215	0.0003	-2.5 to 2.5	Pass
				10	12	-6.264	-0.0018	-2.5 to 2.5	Pass
				30	12	3.330	0.0009	-2.5 to 2.5	Pass
				40	12	10.989	0.0031	-2.5 to 2.5	Pass
	50	12	-4.778	-0.0013	-2.5 to 2.5	Pass			
	3597.5	25	0	20	10.8	-1.078	-0.0003	-2.5 to 2.5	Pass
					12	2.402	0.0007	-2.5 to 2.5	Pass
					13.2	8.410	0.0023	-2.5 to 2.5	Pass
				-30	12	8.664	0.0024	-2.5 to 2.5	Pass
				-20	12	4.966	0.0014	-2.5 to 2.5	Pass
				-10	12	5.885	0.0016	-2.5 to 2.5	Pass
				0	12	6.945	0.0019	-2.5 to 2.5	Pass
				10	12	10.340	0.0029	-2.5 to 2.5	Pass
30	12	4.381	0.0012	-2.5 to 2.5	Pass				



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				40	12	11.623	0.0032	-2.5 to 2.5	Pass
				50	12	0.075	0.0000	-2.5 to 2.5	Pass
256QAM	3552.5	25	0	20	10.8	1.549	0.0004	-2.5 to 2.5	Pass
					12	2.877	0.0008	-2.5 to 2.5	Pass
					13.2	-3.389	-0.0010	-2.5 to 2.5	Pass
				-30	12	-5.951	-0.0017	-2.5 to 2.5	Pass
				-20	12	12.616	0.0036	-2.5 to 2.5	Pass
				-10	12	-0.112	0.0000	-2.5 to 2.5	Pass
				0	12	3.702	0.0010	-2.5 to 2.5	Pass
				10	12	-6.651	-0.0019	-2.5 to 2.5	Pass
				30	12	-5.807	-0.0016	-2.5 to 2.5	Pass
				40	12	-2.594	-0.0007	-2.5 to 2.5	Pass
	50	12	0.136	0.0000	-2.5 to 2.5	Pass			
	3575	25	0	20	10.8	7.676	0.0021	-2.5 to 2.5	Pass
					12	1.238	0.0003	-2.5 to 2.5	Pass
					13.2	5.206	0.0015	-2.5 to 2.5	Pass
				-30	12	2.907	0.0008	-2.5 to 2.5	Pass
				-20	12	4.560	0.0013	-2.5 to 2.5	Pass
				-10	12	-2.738	-0.0008	-2.5 to 2.5	Pass
				0	12	4.819	0.0013	-2.5 to 2.5	Pass
				10	12	-3.417	-0.0010	-2.5 to 2.5	Pass
				30	12	3.734	0.0010	-2.5 to 2.5	Pass
				40	12	2.758	0.0008	-2.5 to 2.5	Pass
	50	12	3.968	0.0011	-2.5 to 2.5	Pass			
	3597.5	25	0	20	10.8	-3.130	-0.0009	-2.5 to 2.5	Pass
					12	6.273	0.0017	-2.5 to 2.5	Pass
					13.2	1.316	0.0004	-2.5 to 2.5	Pass
				-30	12	0.860	0.0002	-2.5 to 2.5	Pass
				-20	12	2.798	0.0008	-2.5 to 2.5	Pass
				-10	12	8.689	0.0024	-2.5 to 2.5	Pass
0				12	0.479	0.0001	-2.5 to 2.5	Pass	
10				12	8.446	0.0023	-2.5 to 2.5	Pass	
30				12	1.519	0.0004	-2.5 to 2.5	Pass	
40				12	3.875	0.0011	-2.5 to 2.5	Pass	
50	12	6.885	0.0019	-2.5 to 2.5	Pass				

12.2 B42c 10MHz

12.2.1 Test Result

Band: 42c / 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	10.8	-2.561	-0.0007	-2.5 to 2.5	Pass
					12	-1.271	-0.0004	-2.5 to 2.5	Pass
					13.2	4.683	0.0013	-2.5 to 2.5	Pass
				-30	12	4.833	0.0014	-2.5 to 2.5	Pass
				-20	12	-1.330	-0.0004	-2.5 to 2.5	Pass
				-10	12	5.187	0.0015	-2.5 to 2.5	Pass
				0	12	2.341	0.0007	-2.5 to 2.5	Pass
				10	12	-3.055	-0.0009	-2.5 to 2.5	Pass
				30	12	4.685	0.0013	-2.5 to 2.5	Pass



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	3575	50	0	40	12	4.115	0.0012	-2.5 to 2.5	Pass
				50	12	10.84	0.0009	-2.5 to 2.5	Pass
				20	10.8	-0.641	-0.0002	-2.5 to 2.5	Pass
					12	-5.471	-0.0015	-2.5 to 2.5	Pass
					13.2	0.259	0.0001	-2.5 to 2.5	Pass
				-30	12	4.009	0.0011	-2.5 to 2.5	Pass
				-20	12	5.792	0.0016	-2.5 to 2.5	Pass
				-10	12	6.419	0.0018	-2.5 to 2.5	Pass
				0	12	2.443	0.0007	-2.5 to 2.5	Pass
				10	12	-0.373	-0.0001	-2.5 to 2.5	Pass
	3595	50	0	30	12	-0.467	-0.0001	-2.5 to 2.5	Pass
				40	12	3.062	0.0009	-2.5 to 2.5	Pass
				50	12	8.537	0.0024	-2.5 to 2.5	Pass
				20	10.8	2.854	0.0008	-2.5 to 2.5	Pass
					12	4.670	0.0013	-2.5 to 2.5	Pass
					13.2	6.010	0.0017	-2.5 to 2.5	Pass
				-30	12	9.984	0.0028	-2.5 to 2.5	Pass
				-20	12	-2.116	-0.0006	-2.5 to 2.5	Pass
				-10	12	7.496	0.0021	-2.5 to 2.5	Pass
				0	12	-0.382	-0.0001	-2.5 to 2.5	Pass
16QAM	3555	50	0	10	12	2.498	0.0007	-2.5 to 2.5	Pass
				30	12	6.577	0.0018	-2.5 to 2.5	Pass
				40	12	6.645	0.0018	-2.5 to 2.5	Pass
				50	12	5.175	0.0014	-2.5 to 2.5	Pass
				20	10.8	3.305	0.0009	-2.5 to 2.5	Pass
					12	3.645	0.0010	-2.5 to 2.5	Pass
					13.2	2.478	0.0007	-2.5 to 2.5	Pass
				-30	12	2.438	0.0007	-2.5 to 2.5	Pass
				-20	12	-2.141	-0.0006	-2.5 to 2.5	Pass
				-10	12	2.689	0.0008	-2.5 to 2.5	Pass
	3575	50	0	0	12	-1.632	-0.0005	-2.5 to 2.5	Pass
				10	12	-1.008	-0.0003	-2.5 to 2.5	Pass
				30	12	2.651	0.0007	-2.5 to 2.5	Pass
				40	12	3.126	0.0009	-2.5 to 2.5	Pass
				50	12	0.334	0.0001	-2.5 to 2.5	Pass
				20	10.8	-1.258	-0.0004	-2.5 to 2.5	Pass
					12	9.279	0.0026	-2.5 to 2.5	Pass
					13.2	4.223	0.0012	-2.5 to 2.5	Pass
				-30	12	-0.253	-0.0001	-2.5 to 2.5	Pass
				-20	12	3.841	0.0011	-2.5 to 2.5	Pass
	3595	50	0	-10	12	8.824	0.0025	-2.5 to 2.5	Pass
				0	12	9.042	0.0025	-2.5 to 2.5	Pass
				10	12	1.327	0.0004	-2.5 to 2.5	Pass
				30	12	5.936	0.0017	-2.5 to 2.5	Pass
				40	12	3.897	0.0011	-2.5 to 2.5	Pass
				50	12	4.700	0.0013	-2.5 to 2.5	Pass
				20	10.8	5.123	0.0014	-2.5 to 2.5	Pass
					12	3.030	0.0008	-2.5 to 2.5	Pass
					13.2	7.197	0.0020	-2.5 to 2.5	Pass
				-30	12	1.140	0.0003	-2.5 to 2.5	Pass
				-20	12	-1.676	-0.0005	-2.5 to 2.5	Pass
				-10	12	6.398	0.0018	-2.5 to 2.5	Pass
				0	12	0.469	0.0001	-2.5 to 2.5	Pass
				10	12	4.484	0.0012	-2.5 to 2.5	Pass



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