

# 1. Frequency Stability

## 1.1 B38\_5MHz

### 1.1.1 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	3.27	-24.948	-0.0097	-2.5 to 2.5	Pass
					3.85	-5.007	-0.0019	-2.5 to 2.5	Pass
					4.43	-16.909	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-20.571	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-13.332	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-17.152	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-31.958	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-12.174	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-15.550	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-25.778	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-21.501	-0.0084	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	-17.996	-0.0069	-2.5 to 2.5	Pass
					3.85	-12.932	-0.0050	-2.5 to 2.5	Pass
					4.43	-24.533	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-16.265	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-18.353	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-12.732	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-26.135	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-26.236	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-14.477	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-31.743	-0.0122	-2.5 to 2.5	Pass
				50	3.85	-8.283	-0.0032	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	-25.835	-0.0099	-2.5 to 2.5	Pass
					3.85	-10.114	-0.0039	-2.5 to 2.5	Pass
					4.43	-17.695	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-8.612	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-15.721	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-11.716	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-21.000	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-20.256	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-12.116	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-8.168	-0.0031	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.27	-5.078	-0.0020	-2.5 to 2.5	Pass
					3.85	-12.975	-0.0050	-2.5 to 2.5	Pass
					4.43	-16.665	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-10.014	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-9.212	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-13.790	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-27.208	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-20.399	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-13.461	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-7.281	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-15.922	-0.0062	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	-20.742	-0.0080	-2.5 to 2.5	Pass
					3.85	-30.513	-0.0118	-2.5 to 2.5	Pass

					4.43	-27.523	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-19.784	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-7.424	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-23.890	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-25.005	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-21.143	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-11.630	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-21.987	-0.0085	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	-11.430	-0.0044	-2.5 to 2.5	Pass
					3.85	-14.133	-0.0054	-2.5 to 2.5	Pass
					4.43	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-2.246	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-16.265	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-15.793	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-22.202	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-24.390	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-5.293	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-10.958	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-15.864	-0.0061	-2.5 to 2.5	Pass

## 1.2 B38\_10MHz

### 1.2.1 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	3.27	-10.157	-0.0039	-2.5 to 2.5	Pass
					3.85	-16.866	-0.0065	-2.5 to 2.5	Pass
					4.43	-14.620	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-20.113	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-14.820	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-15.879	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-19.927	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-17.781	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-11.172	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-16.379	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-22.802	-0.0089	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-18.325	-0.0071	-2.5 to 2.5	Pass
					3.85	-15.149	-0.0058	-2.5 to 2.5	Pass
					4.43	-21.629	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-11.816	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-16.966	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-14.334	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-22.273	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-8.712	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-9.956	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-28.496	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-14.634	-0.0056	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-4.048	-0.0015	-2.5 to 2.5	Pass
					3.85	-21.901	-0.0084	-2.5 to 2.5	Pass
					4.43	-21.830	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-10.128	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-15.478	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-8.297	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-16.265	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-23.375	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-10.343	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-16.780	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-17.552	-0.0067	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.27	-19.140	-0.0074	-2.5 to 2.5	Pass
					3.85	-8.183	-0.0032	-2.5 to 2.5	Pass
					4.43	-18.325	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-8.740	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-12.102	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-9.527	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-17.037	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-18.082	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-23.718	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-18.067	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-13.475	-0.0052	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-18.554	-0.0071	-2.5 to 2.5	Pass
					3.85	-20.256	-0.0078	-2.5 to 2.5	Pass
					4.43	-13.576	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-13.719	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-10.958	-0.0042	-2.5 to 2.5	Pass

				-10	3.85	-8.869	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-10.157	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-21.114	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-11.930	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-18.439	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-25.420	-0.0098	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-24.004	-0.0092	-2.5 to 2.5	Pass
					3.85	-27.480	-0.0105	-2.5 to 2.5	Pass
					4.43	-7.796	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-18.682	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-12.760	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-19.126	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-16.723	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-16.537	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-12.646	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-19.856	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-14.591	-0.0056	-2.5 to 2.5	Pass

## 1.3 B38\_15MHz

### 1.3.1 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	3.27	-21.758	-0.0084	-2.5 to 2.5	Pass
					3.85	-26.250	-0.0102	-2.5 to 2.5	Pass
					4.43	-22.459	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-23.174	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-23.646	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-17.910	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-19.498	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-25.778	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-6.423	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-20.928	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-18.768	-0.0073	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-17.552	-0.0068	-2.5 to 2.5	Pass
					3.85	-6.623	-0.0026	-2.5 to 2.5	Pass
					4.43	-20.599	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-9.799	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-21.815	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-12.403	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-18.883	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-25.492	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-22.974	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-13.475	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-20.399	-0.0079	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-27.723	-0.0106	-2.5 to 2.5	Pass
					3.85	-24.991	-0.0096	-2.5 to 2.5	Pass
					4.43	-12.803	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-27.981	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-21.758	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-15.035	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-16.351	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-12.989	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-18.682	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-27.909	-0.0107	-2.5 to 2.5	Pass
				50	3.85	-23.475	-0.0090	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.27	-18.268	-0.0071	-2.5 to 2.5	Pass
					3.85	-15.292	-0.0059	-2.5 to 2.5	Pass
					4.43	-28.267	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-23.103	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-22.545	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-24.018	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-16.193	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-26.994	-0.0105	-2.5 to 2.5	Pass
				30	3.85	-17.509	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-12.331	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-26.121	-0.0101	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-15.049	-0.0058	-2.5 to 2.5	Pass
					3.85	-17.180	-0.0066	-2.5 to 2.5	Pass
					4.43	-25.306	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-26.093	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-15.621	-0.0060	-2.5 to 2.5	Pass

				-10	3.85	-22.860	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-12.674	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-17.538	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-15.650	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-19.126	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-19.112	-0.0074	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-11.945	-0.0046	-2.5 to 2.5	Pass
					3.85	-15.221	-0.0058	-2.5 to 2.5	Pass
					4.43	-17.552	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-23.890	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-20.971	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-24.590	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-12.274	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-19.469	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-12.803	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-8.311	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-17.123	-0.0066	-2.5 to 2.5	Pass

## 1.4 B38\_20MHz

### 1.4.1 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	3.27	-17.939	-0.0070	-2.5 to 2.5	Pass
					3.85	-12.717	-0.0049	-2.5 to 2.5	Pass
					4.43	-22.316	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-16.923	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-18.926	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-21.200	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-18.053	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-18.339	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-20.599	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-17.982	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-15.965	-0.0062	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-17.910	-0.0069	-2.5 to 2.5	Pass
					3.85	-16.007	-0.0062	-2.5 to 2.5	Pass
					4.43	-17.552	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-11.272	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-7.997	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-16.065	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-14.048	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-13.461	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-24.562	-0.0095	-2.5 to 2.5	Pass
				40	3.85	-20.914	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-21.286	-0.0082	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-13.661	-0.0052	-2.5 to 2.5	Pass
					3.85	-17.180	-0.0066	-2.5 to 2.5	Pass
					4.43	-19.169	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-27.809	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-15.349	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-24.776	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-25.949	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-10.543	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-15.979	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-19.784	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-17.495	-0.0067	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.27	-22.388	-0.0087	-2.5 to 2.5	Pass
					3.85	-9.384	-0.0036	-2.5 to 2.5	Pass
					4.43	-25.492	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-17.896	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-11.859	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-20.928	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-11.573	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-20.785	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-11.058	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-13.733	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-12.918	-0.0050	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-22.659	-0.0087	-2.5 to 2.5	Pass
					3.85	-19.012	-0.0073	-2.5 to 2.5	Pass
					4.43	-25.821	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-20.514	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-13.962	-0.0054	-2.5 to 2.5	Pass

				-10	3.85	-18.754	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-20.599	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-13.890	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-8.540	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-13.275	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-12.259	-0.0047	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-14.977	-0.0057	-2.5 to 2.5	Pass
					3.85	-22.058	-0.0085	-2.5 to 2.5	Pass
					4.43	-18.153	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-8.512	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-11.544	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-24.204	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-12.689	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-14.691	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-14.391	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-13.547	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-23.046	-0.0088	-2.5 to 2.5	Pass



## 2. Frequency Stability

### 2.1 B41\_5MHz

#### 2.1.1 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	2537.5	25	0	20	3.27	-16.193	-0.0064	-2.5 to 2.5	Pass
					3.85	-4.821	-0.0019	-2.5 to 2.5	Pass
					4.43	-10.471	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-17.624	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-13.676	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-33.016	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-28.510	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-11.544	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-4.034	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-10.028	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-9.112	-0.0036	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-8.798	-0.0034	-2.5 to 2.5	Pass
					3.85	-14.749	-0.0057	-2.5 to 2.5	Pass
					4.43	-0.186	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.490	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-16.150	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-29.225	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-6.623	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-26.050	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-18.568	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-14.205	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-16.036	-0.0062	-2.5 to 2.5	Pass
	2672.5	25	0	20	3.27	-14.334	-0.0054	-2.5 to 2.5	Pass
					3.85	-9.842	-0.0037	-2.5 to 2.5	Pass
					4.43	-31.385	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-12.074	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-21.200	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-16.508	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-21.987	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-21.443	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-15.163	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-21.272	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-28.095	-0.0105	-2.5 to 2.5	Pass
16QAM	2537.5	25	0	20	3.27	-17.996	-0.0071	-2.5 to 2.5	Pass
					3.85	-10.414	-0.0041	-2.5 to 2.5	Pass
					4.43	-11.101	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-22.345	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-5.822	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-21.272	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-8.225	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-16.823	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-17.910	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-15.135	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-16.451	-0.0065	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	-9.556	-0.0037	-2.5 to 2.5	Pass
					3.85	-16.093	-0.0062	-2.5 to 2.5	Pass

					4.43	-11.745	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-18.525	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-15.278	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-25.749	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-5.336	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-8.111	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-10.285	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-8.855	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-17.552	-0.0067	-2.5 to 2.5	Pass
	2672.5	25	0	20	3.27	-6.523	-0.0024	-2.5 to 2.5	Pass
					3.85	-14.863	-0.0056	-2.5 to 2.5	Pass
					4.43	-21.186	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-20.185	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-8.798	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-2.575	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.486	0.0002	-2.5 to 2.5	Pass
				10	3.85	-12.903	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-8.254	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-10.643	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-8.140	-0.0030	-2.5 to 2.5	Pass

## 2.2 B41\_10MHz

### 2.2.1 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	2540	50	0	20	3.27	-17.338	-0.0068	-2.5 to 2.5	Pass
					3.85	-9.484	-0.0037	-2.5 to 2.5	Pass
					4.43	-16.565	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-13.947	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-27.223	-0.0107	-2.5 to 2.5	Pass
				-10	3.85	-16.608	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-8.426	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-23.046	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-23.103	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-14.648	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-18.740	-0.0074	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-24.476	-0.0094	-2.5 to 2.5	Pass
					3.85	-33.832	-0.0130	-2.5 to 2.5	Pass
					4.43	-20.070	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-19.541	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-20.185	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-13.247	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-18.511	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-25.764	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-27.881	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-28.224	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-18.325	-0.0070	-2.5 to 2.5	Pass
	2670	50	0	20	3.27	-10.614	-0.0040	-2.5 to 2.5	Pass
					3.85	-19.412	-0.0073	-2.5 to 2.5	Pass
					4.43	-16.079	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-21.729	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-21.815	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-7.725	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-14.663	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-24.076	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-17.066	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-22.044	-0.0083	-2.5 to 2.5	Pass
16QAM	2540	50	0	20	3.27	-13.032	-0.0051	-2.5 to 2.5	Pass
					3.85	-8.941	-0.0035	-2.5 to 2.5	Pass
					4.43	-13.018	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-17.967	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-17.467	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-14.219	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-11.115	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-13.633	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-23.875	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-8.969	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-14.777	-0.0058	-2.5 to 2.5	Pass
	2605	50	0	20	3.27	-15.836	-0.0061	-2.5 to 2.5	Pass
					3.85	-20.056	-0.0077	-2.5 to 2.5	Pass
					4.43	-8.469	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-23.932	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-12.245	-0.0047	-2.5 to 2.5	Pass

				-10	3.85	-18.725	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-5.665	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-24.190	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-16.980	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-25.678	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-28.868	-0.0111	-2.5 to 2.5	Pass
	2670	50	0	20	3.27	-16.365	-0.0061	-2.5 to 2.5	Pass
					3.85	-7.839	-0.0029	-2.5 to 2.5	Pass
					4.43	-15.879	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-22.430	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-6.967	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-10.571	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-10.457	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-6.967	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-10.715	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-26.550	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-16.351	-0.0061	-2.5 to 2.5	Pass

## 2.3 B41\_15MHz

### 2.3.1 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	2542.5	75	0	20	3.27	-25.263	-0.0099	-2.5 to 2.5	Pass
					3.85	-25.234	-0.0099	-2.5 to 2.5	Pass
					4.43	-7.868	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-27.881	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-20.757	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-18.682	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-19.727	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-14.548	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-7.854	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-20.142	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-11.930	-0.0047	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-14.377	-0.0055	-2.5 to 2.5	Pass
					3.85	-17.352	-0.0067	-2.5 to 2.5	Pass
					4.43	-16.108	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-24.104	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-9.155	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-13.833	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-20.170	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-22.974	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-18.668	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-18.096	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-22.717	-0.0087	-2.5 to 2.5	Pass
	2667.5	75	0	20	3.27	-13.676	-0.0051	-2.5 to 2.5	Pass
					3.85	-10.457	-0.0039	-2.5 to 2.5	Pass
					4.43	-19.469	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-29.583	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-14.849	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-14.834	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-22.616	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-12.102	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-9.828	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-10.328	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-14.548	-0.0055	-2.5 to 2.5	Pass
16QAM	2542.5	75	0	20	3.27	-20.127	-0.0079	-2.5 to 2.5	Pass
					3.85	-7.524	-0.0030	-2.5 to 2.5	Pass
					4.43	-15.349	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-9.184	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-21.400	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-16.651	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-19.970	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-16.937	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-20.227	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-15.721	-0.0062	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-20.628	-0.0079	-2.5 to 2.5	Pass
					3.85	-15.550	-0.0060	-2.5 to 2.5	Pass
					4.43	-11.272	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-11.959	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-15.349	-0.0059	-2.5 to 2.5	Pass

				-10	3.85	-13.089	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-16.451	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-18.010	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-6.080	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-14.977	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-19.054	-0.0073	-2.5 to 2.5	Pass
	2667.5	75	0	20	3.27	-16.637	-0.0062	-2.5 to 2.5	Pass
					3.85	-14.791	-0.0055	-2.5 to 2.5	Pass
					4.43	-23.503	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-18.082	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-17.767	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-18.468	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-14.291	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-17.338	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-15.378	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-13.704	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-17.967	-0.0067	-2.5 to 2.5	Pass

## 2.4 B41\_20MHz

### 2.4.1 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	2545	100	0	20	3.27	-15.278	-0.0060	-2.5 to 2.5	Pass
					3.85	-13.990	-0.0055	-2.5 to 2.5	Pass
					4.43	-20.442	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-25.377	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-14.391	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-20.070	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-23.861	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-20.685	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-21.372	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-24.848	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-12.403	-0.0049	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-24.891	-0.0096	-2.5 to 2.5	Pass
					3.85	-11.101	-0.0043	-2.5 to 2.5	Pass
					4.43	-18.196	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-10.614	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-21.815	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-24.004	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-22.759	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-9.084	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-10.314	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-21.758	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-16.665	-0.0064	-2.5 to 2.5	Pass
	2665	100	0	20	3.27	-17.467	-0.0066	-2.5 to 2.5	Pass
					3.85	-20.914	-0.0078	-2.5 to 2.5	Pass
					4.43	-30.084	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-21.071	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-22.259	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-24.562	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-9.713	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-8.512	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-12.689	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-14.620	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-13.418	-0.0050	-2.5 to 2.5	Pass
16QAM	2545	100	0	20	3.27	-16.894	-0.0066	-2.5 to 2.5	Pass
					3.85	-19.856	-0.0078	-2.5 to 2.5	Pass
					4.43	-9.942	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-12.274	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-14.691	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-2.589	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-10.886	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-2.732	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-15.764	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-16.022	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-18.110	-0.0071	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-12.903	-0.0050	-2.5 to 2.5	Pass
					3.85	-10.800	-0.0041	-2.5 to 2.5	Pass
					4.43	-19.312	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-22.259	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-20.628	-0.0079	-2.5 to 2.5	Pass

				-10	3.85	-28.954	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-14.477	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-16.236	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-16.108	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-20.599	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-19.641	-0.0075	-2.5 to 2.5	Pass
	2665	100	0	20	3.27	-14.892	-0.0056	-2.5 to 2.5	Pass
					3.85	-15.764	-0.0059	-2.5 to 2.5	Pass
					4.43	-8.984	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-10.285	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-31.571	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-18.883	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-8.168	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-21.958	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-19.283	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-9.999	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-17.424	-0.0065	-2.5 to 2.5	Pass



### 3. Frequency Stability

#### 3.1 B5\_1.4MHz

##### 3.1.1 Test Result

Band: 5 / 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	3.27	-27.108	-0.0329	-2.5 to 2.5	Pass
					3.85	-34.118	-0.0414	-2.5 to 2.5	Pass
					4.43	-19.641	-0.0238	-2.5 to 2.5	Pass
				-30	3.85	-13.089	-0.0159	-2.5 to 2.5	Pass
				-20	3.85	-21.343	-0.0259	-2.5 to 2.5	Pass
				-10	3.85	-22.531	-0.0273	-2.5 to 2.5	Pass
				0	3.85	-17.953	-0.0218	-2.5 to 2.5	Pass
				10	3.85	-29.011	-0.0352	-2.5 to 2.5	Pass
				30	3.85	-5.465	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-1.116	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-17.295	-0.0210	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-21.429	-0.0256	-2.5 to 2.5	Pass
					3.85	-21.501	-0.0257	-2.5 to 2.5	Pass
					4.43	-13.118	-0.0157	-2.5 to 2.5	Pass
				-30	3.85	-20.227	-0.0242	-2.5 to 2.5	Pass
				-20	3.85	-27.866	-0.0333	-2.5 to 2.5	Pass
				-10	3.85	-25.535	-0.0305	-2.5 to 2.5	Pass
				0	3.85	-14.391	-0.0172	-2.5 to 2.5	Pass
				10	3.85	-20.313	-0.0243	-2.5 to 2.5	Pass
				30	3.85	-31.958	-0.0382	-2.5 to 2.5	Pass
				40	3.85	-9.327	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-22.144	-0.0265	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-26.250	-0.0309	-2.5 to 2.5	Pass
					3.85	-28.496	-0.0336	-2.5 to 2.5	Pass
					4.43	-14.820	-0.0175	-2.5 to 2.5	Pass
				-30	3.85	-18.868	-0.0222	-2.5 to 2.5	Pass
				-20	3.85	-28.152	-0.0332	-2.5 to 2.5	Pass
				-10	3.85	-15.621	-0.0184	-2.5 to 2.5	Pass
				0	3.85	-14.262	-0.0168	-2.5 to 2.5	Pass
				10	3.85	-25.234	-0.0297	-2.5 to 2.5	Pass
				30	3.85	-18.454	-0.0218	-2.5 to 2.5	Pass
				40	3.85	-10.829	-0.0128	-2.5 to 2.5	Pass
				50	3.85	-12.574	-0.0148	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-5.193	-0.0063	-2.5 to 2.5	Pass
					3.85	-9.856	-0.0120	-2.5 to 2.5	Pass
					4.43	-2.532	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-3.376	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	2.875	0.0035	-2.5 to 2.5	Pass
				-10	3.85	-28.839	-0.0350	-2.5 to 2.5	Pass
				0	3.85	-23.403	-0.0284	-2.5 to 2.5	Pass
				10	3.85	-30.684	-0.0372	-2.5 to 2.5	Pass
				30	3.85	-25.563	-0.0310	-2.5 to 2.5	Pass
				40	3.85	-29.583	-0.0359	-2.5 to 2.5	Pass
				50	3.85	-25.635	-0.0311	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	2.689	0.0032	-2.5 to 2.5	Pass
					3.85	1.588	0.0019	-2.5 to 2.5	Pass

					4.43	-2.775	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-6.895	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	0.815	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.632	0.0031	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0024	-2.5 to 2.5	Pass
				40	3.85	-7.424	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-7.181	-0.0086	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-28.553	-0.0337	-2.5 to 2.5	Pass
					3.85	-31.214	-0.0368	-2.5 to 2.5	Pass
					4.43	-13.447	-0.0159	-2.5 to 2.5	Pass
				-30	3.85	-18.139	-0.0214	-2.5 to 2.5	Pass
				-20	3.85	-15.907	-0.0188	-2.5 to 2.5	Pass
				-10	3.85	-14.892	-0.0176	-2.5 to 2.5	Pass
				0	3.85	-10.042	-0.0118	-2.5 to 2.5	Pass
				10	3.85	-16.680	-0.0197	-2.5 to 2.5	Pass
				30	3.85	-21.229	-0.0250	-2.5 to 2.5	Pass
				40	3.85	-22.674	-0.0267	-2.5 to 2.5	Pass
				50	3.85	-23.704	-0.0279	-2.5 to 2.5	Pass

## 3.2 B5\_3MHz

### 3.2.1 Test Result

Band: 5 / 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	3.27	-21.300	-0.0258	-2.5 to 2.5	Pass
					3.85	-8.011	-0.0097	-2.5 to 2.5	Pass
					4.43	-27.337	-0.0331	-2.5 to 2.5	Pass
				-30	3.85	-21.415	-0.0259	-2.5 to 2.5	Pass
				-20	3.85	-5.894	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-13.847	-0.0168	-2.5 to 2.5	Pass
				0	3.85	-13.189	-0.0160	-2.5 to 2.5	Pass
				10	3.85	-19.698	-0.0239	-2.5 to 2.5	Pass
				30	3.85	-32.029	-0.0388	-2.5 to 2.5	Pass
				40	3.85	-5.665	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-13.504	-0.0164	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-25.105	-0.0300	-2.5 to 2.5	Pass
					3.85	-18.253	-0.0218	-2.5 to 2.5	Pass
					4.43	-27.680	-0.0331	-2.5 to 2.5	Pass
				-30	3.85	-9.398	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-14.892	-0.0178	-2.5 to 2.5	Pass
				-10	3.85	-24.333	-0.0291	-2.5 to 2.5	Pass
				0	3.85	-12.217	-0.0146	-2.5 to 2.5	Pass
				10	3.85	-17.323	-0.0207	-2.5 to 2.5	Pass
				30	3.85	-15.478	-0.0185	-2.5 to 2.5	Pass
				40	3.85	-28.481	-0.0340	-2.5 to 2.5	Pass
				50	3.85	-28.253	-0.0338	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-19.569	-0.0231	-2.5 to 2.5	Pass
					3.85	-23.088	-0.0272	-2.5 to 2.5	Pass
					4.43	-16.766	-0.0198	-2.5 to 2.5	Pass
				-30	3.85	-31.800	-0.0375	-2.5 to 2.5	Pass
				-20	3.85	-20.084	-0.0237	-2.5 to 2.5	Pass
				-10	3.85	-17.495	-0.0206	-2.5 to 2.5	Pass
				0	3.85	-29.440	-0.0347	-2.5 to 2.5	Pass
				10	3.85	-15.764	-0.0186	-2.5 to 2.5	Pass
				30	3.85	-22.087	-0.0261	-2.5 to 2.5	Pass
				40	3.85	-17.138	-0.0202	-2.5 to 2.5	Pass
				50	3.85	-28.768	-0.0339	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-20.800	-0.0252	-2.5 to 2.5	Pass
					3.85	-27.795	-0.0337	-2.5 to 2.5	Pass
					4.43	-10.958	-0.0133	-2.5 to 2.5	Pass
				-30	3.85	-16.794	-0.0203	-2.5 to 2.5	Pass
				-20	3.85	-7.095	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-7.081	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-7.496	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-6.351	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-4.549	-0.0055	-2.5 to 2.5	Pass
				40	3.85	1.545	0.0019	-2.5 to 2.5	Pass
				50	3.85	1.574	0.0019	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-4.020	-0.0048	-2.5 to 2.5	Pass
					3.85	-1.059	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.345	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	4.020	0.0048	-2.5 to 2.5	Pass

				-10	3.85	4.749	0.0057	-2.5 to 2.5	Pass
				0	3.85	1.745	0.0021	-2.5 to 2.5	Pass
				10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-24.862	-0.0297	-2.5 to 2.5	Pass
				40	3.85	-30.413	-0.0364	-2.5 to 2.5	Pass
				50	3.85	-3.719	-0.0044	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-15.965	-0.0188	-2.5 to 2.5	Pass
					3.85	-15.807	-0.0187	-2.5 to 2.5	Pass
					4.43	-16.379	-0.0193	-2.5 to 2.5	Pass
				-30	3.85	-8.769	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-9.542	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-19.083	-0.0225	-2.5 to 2.5	Pass
				0	3.85	-17.409	-0.0205	-2.5 to 2.5	Pass
				10	3.85	-9.255	-0.0109	-2.5 to 2.5	Pass
				30	3.85	-18.954	-0.0224	-2.5 to 2.5	Pass
				40	3.85	-17.452	-0.0206	-2.5 to 2.5	Pass
				50	3.85	-17.853	-0.0211	-2.5 to 2.5	Pass

### 3.3 B5\_5MHz

#### 3.3.1 Test Result

Band: 5 / 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	3.27	-21.315	-0.0258	-2.5 to 2.5	Pass
					3.85	-15.979	-0.0193	-2.5 to 2.5	Pass
					4.43	-22.216	-0.0269	-2.5 to 2.5	Pass
				-30	3.85	-22.330	-0.0270	-2.5 to 2.5	Pass
				-20	3.85	-22.087	-0.0267	-2.5 to 2.5	Pass
				-10	3.85	-8.426	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-18.082	-0.0219	-2.5 to 2.5	Pass
				10	3.85	-13.890	-0.0168	-2.5 to 2.5	Pass
				30	3.85	-19.984	-0.0242	-2.5 to 2.5	Pass
				40	3.85	-26.121	-0.0316	-2.5 to 2.5	Pass
				50	3.85	-24.662	-0.0298	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-11.802	-0.0141	-2.5 to 2.5	Pass
					3.85	-15.793	-0.0189	-2.5 to 2.5	Pass
					4.43	-25.306	-0.0303	-2.5 to 2.5	Pass
				-30	3.85	-8.140	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-10.414	-0.0124	-2.5 to 2.5	Pass
				-10	3.85	-17.724	-0.0212	-2.5 to 2.5	Pass
				0	3.85	-24.505	-0.0293	-2.5 to 2.5	Pass
				10	3.85	-12.002	-0.0143	-2.5 to 2.5	Pass
				30	3.85	-20.299	-0.0243	-2.5 to 2.5	Pass
				40	3.85	-27.423	-0.0328	-2.5 to 2.5	Pass
				50	3.85	-7.353	-0.0088	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-28.768	-0.0340	-2.5 to 2.5	Pass
					3.85	-6.766	-0.0080	-2.5 to 2.5	Pass
					4.43	-19.999	-0.0236	-2.5 to 2.5	Pass
				-30	3.85	-10.328	-0.0122	-2.5 to 2.5	Pass
				-20	3.85	-14.734	-0.0174	-2.5 to 2.5	Pass
				-10	3.85	-28.596	-0.0338	-2.5 to 2.5	Pass
				0	3.85	-15.607	-0.0184	-2.5 to 2.5	Pass
				10	3.85	-25.735	-0.0304	-2.5 to 2.5	Pass
				30	3.85	-11.144	-0.0132	-2.5 to 2.5	Pass
				40	3.85	-14.277	-0.0169	-2.5 to 2.5	Pass
				50	3.85	-27.580	-0.0326	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-13.576	-0.0164	-2.5 to 2.5	Pass
					3.85	-8.526	-0.0103	-2.5 to 2.5	Pass
					4.43	-6.280	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-7.153	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-4.478	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	6.552	0.0079	-2.5 to 2.5	Pass
				0	3.85	5.465	0.0066	-2.5 to 2.5	Pass
				10	3.85	-28.310	-0.0343	-2.5 to 2.5	Pass
				30	3.85	-30.341	-0.0367	-2.5 to 2.5	Pass
				40	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				50	3.85	1.531	0.0019	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-11.587	-0.0139	-2.5 to 2.5	Pass
					3.85	-9.241	-0.0110	-2.5 to 2.5	Pass
					4.43	-7.725	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-5.221	-0.0062	-2.5 to 2.5	Pass

				-10	3.85	-2.904	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				30	3.85	11.144	0.0133	-2.5 to 2.5	Pass
				40	3.85	0.858	0.0010	-2.5 to 2.5	Pass
				50	3.85	3.119	0.0037	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-10.743	-0.0127	-2.5 to 2.5	Pass
					3.85	-12.431	-0.0147	-2.5 to 2.5	Pass
					4.43	-9.170	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-11.101	-0.0131	-2.5 to 2.5	Pass
				-20	3.85	-6.266	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-10.257	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-6.280	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-7.081	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-10.242	-0.0121	-2.5 to 2.5	Pass

### 3.4 B5\_10MHz

#### 3.4.1 Test Result

Band: 5 / 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	3.27	-26.193	-0.0316	-2.5 to 2.5	Pass
					3.85	-20.456	-0.0247	-2.5 to 2.5	Pass
					4.43	-28.281	-0.0341	-2.5 to 2.5	Pass
				-30	3.85	-14.577	-0.0176	-2.5 to 2.5	Pass
				-20	3.85	-19.155	-0.0231	-2.5 to 2.5	Pass
				-10	3.85	-21.486	-0.0259	-2.5 to 2.5	Pass
				0	3.85	-17.624	-0.0213	-2.5 to 2.5	Pass
				10	3.85	-17.610	-0.0212	-2.5 to 2.5	Pass
				30	3.85	-15.121	-0.0182	-2.5 to 2.5	Pass
				40	3.85	-25.249	-0.0305	-2.5 to 2.5	Pass
				50	3.85	-15.678	-0.0189	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-23.775	-0.0284	-2.5 to 2.5	Pass
					3.85	-21.300	-0.0255	-2.5 to 2.5	Pass
					4.43	-23.088	-0.0276	-2.5 to 2.5	Pass
				-30	3.85	-9.599	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-15.092	-0.0180	-2.5 to 2.5	Pass
				-10	3.85	-29.511	-0.0353	-2.5 to 2.5	Pass
				0	3.85	-11.086	-0.0133	-2.5 to 2.5	Pass
				10	3.85	-17.238	-0.0206	-2.5 to 2.5	Pass
				30	3.85	-29.383	-0.0351	-2.5 to 2.5	Pass
				40	3.85	-10.343	-0.0124	-2.5 to 2.5	Pass
				50	3.85	-16.150	-0.0193	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-18.811	-0.0223	-2.5 to 2.5	Pass
					3.85	-18.139	-0.0215	-2.5 to 2.5	Pass
					4.43	-22.016	-0.0261	-2.5 to 2.5	Pass
				-30	3.85	-12.445	-0.0147	-2.5 to 2.5	Pass
				-20	3.85	-25.964	-0.0308	-2.5 to 2.5	Pass
				-10	3.85	-23.017	-0.0273	-2.5 to 2.5	Pass
				0	3.85	-28.968	-0.0343	-2.5 to 2.5	Pass
				10	3.85	-22.502	-0.0267	-2.5 to 2.5	Pass
				30	3.85	-21.329	-0.0253	-2.5 to 2.5	Pass
				40	3.85	-18.725	-0.0222	-2.5 to 2.5	Pass
				50	3.85	-15.521	-0.0184	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-23.346	-0.0282	-2.5 to 2.5	Pass
					3.85	-14.348	-0.0173	-2.5 to 2.5	Pass
					4.43	-8.612	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-13.990	-0.0169	-2.5 to 2.5	Pass
				-20	3.85	-11.845	-0.0143	-2.5 to 2.5	Pass
				-10	3.85	-6.623	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-5.522	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-4.306	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-7.854	-0.0095	-2.5 to 2.5	Pass
				40	3.85	-12.403	-0.0150	-2.5 to 2.5	Pass
				50	3.85	-6.309	-0.0076	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-23.131	-0.0277	-2.5 to 2.5	Pass
					3.85	-24.405	-0.0292	-2.5 to 2.5	Pass
					4.43	-19.412	-0.0232	-2.5 to 2.5	Pass
				-30	3.85	-13.690	-0.0164	-2.5 to 2.5	Pass
				-20	3.85	-11.244	-0.0134	-2.5 to 2.5	Pass

				-10	3.85	-12.174	-0.0146	-2.5 to 2.5	Pass
				0	3.85	-10.715	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-10.700	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-3.490	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
				50	3.85	3.090	0.0037	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-17.323	-0.0205	-2.5 to 2.5	Pass
					3.85	-21.186	-0.0251	-2.5 to 2.5	Pass
					4.43	-30.770	-0.0365	-2.5 to 2.5	Pass
				-30	3.85	2.131	0.0025	-2.5 to 2.5	Pass
				-20	3.85	-4.306	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	1.316	0.0016	-2.5 to 2.5	Pass
				0	3.85	1.817	0.0022	-2.5 to 2.5	Pass
				10	3.85	-3.276	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-7.482	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-8.855	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-13.719	-0.0163	-2.5 to 2.5	Pass



## 4. Frequency Stability

### 4.1 B7\_5MHz

#### 4.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	-22.430	-0.0090	-2.5 to 2.5	Pass
					3.85	-22.759	-0.0091	-2.5 to 2.5	Pass
					4.43	0.443	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-6.208	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-17.138	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-5.007	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-18.110	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-20.199	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-6.738	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-15.707	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-12.517	-0.0050	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-22.287	-0.0088	-2.5 to 2.5	Pass
					3.85	-7.596	-0.0030	-2.5 to 2.5	Pass
					4.43	-6.008	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-15.321	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-10.872	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-16.093	-0.0063	-2.5 to 2.5	Pass
				0	3.85	-15.121	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-9.828	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-19.126	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	0.415	0.0002	-2.5 to 2.5	Pass
					3.85	0.858	0.0003	-2.5 to 2.5	Pass
					4.43	2.418	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-14.777	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-8.240	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-14.248	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-6.881	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-5.550	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-7.095	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-5.450	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-6.323	-0.0025	-2.5 to 2.5	Pass
16QAM	2502.5	25	0	20	3.27	-14.391	-0.0058	-2.5 to 2.5	Pass
					3.85	-2.003	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-9.813	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-15.106	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-14.691	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-24.219	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-6.337	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-19.026	-0.0076	-2.5 to 2.5	Pass
				40	3.85	-8.669	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0004	-2.5 to 2.5	Pass
	2535	25	0	20	3.27	-11.601	-0.0046	-2.5 to 2.5	Pass
					3.85	-13.032	-0.0051	-2.5 to 2.5	Pass

					4.43	-3.862	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-14.119	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-10.643	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-16.022	-0.0063	-2.5 to 2.5	Pass
				0	3.85	-18.139	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-13.418	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-1.702	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-6.952	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-10.514	-0.0041	-2.5 to 2.5	Pass
	2567.5	25	0	20	3.27	-10.629	-0.0041	-2.5 to 2.5	Pass
					3.85	-17.424	-0.0068	-2.5 to 2.5	Pass
					4.43	-12.918	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-14.162	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-24.476	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-21.057	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-3.462	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-6.180	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-16.222	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-11.144	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-4.005	-0.0016	-2.5 to 2.5	Pass

## 4.2 B7\_10MHz

### 4.2.1 Test Result

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2505	50	0	20	3.27	-29.154	-0.0116	-2.5 to 2.5	Pass
					3.85	-25.735	-0.0103	-2.5 to 2.5	Pass
					4.43	-23.918	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-24.333	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-20.471	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-24.304	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-23.375	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-26.493	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-30.570	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-23.046	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-19.856	-0.0079	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-10.228	-0.0040	-2.5 to 2.5	Pass
					3.85	-21.944	-0.0087	-2.5 to 2.5	Pass
					4.43	-17.595	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-15.049	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-15.635	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-3.934	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-13.862	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-18.411	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-14.505	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-20.113	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-15.664	-0.0062	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-16.708	-0.0065	-2.5 to 2.5	Pass
					3.85	-24.047	-0.0094	-2.5 to 2.5	Pass
					4.43	-19.612	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-10.071	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-24.734	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-12.202	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-25.821	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-13.304	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-17.467	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-17.910	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-17.982	-0.0070	-2.5 to 2.5	Pass
16QAM	2505	50	0	20	3.27	-22.545	-0.0090	-2.5 to 2.5	Pass
					3.85	-17.796	-0.0071	-2.5 to 2.5	Pass
					4.43	-9.813	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-24.848	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-20.700	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-17.123	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-26.093	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-18.940	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-23.904	-0.0095	-2.5 to 2.5	Pass
				40	3.85	-9.756	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-12.646	-0.0050	-2.5 to 2.5	Pass
	2535	50	0	20	3.27	-18.268	-0.0072	-2.5 to 2.5	Pass
					3.85	-11.430	-0.0045	-2.5 to 2.5	Pass
					4.43	-15.764	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-18.654	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-9.427	-0.0037	-2.5 to 2.5	Pass

				-10	3.85	-11.759	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-17.309	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-23.575	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-11.058	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-17.924	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-11.129	-0.0044	-2.5 to 2.5	Pass
	2565	50	0	20	3.27	-20.900	-0.0081	-2.5 to 2.5	Pass
					3.85	-12.088	-0.0047	-2.5 to 2.5	Pass
					4.43	-14.434	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-10.915	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-15.635	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-10.901	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-15.635	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-16.265	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-7.982	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-13.990	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-9.456	-0.0037	-2.5 to 2.5	Pass

## 4.3 B7\_15MHz

### 4.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.27	-22.545	-0.0090	-2.5 to 2.5	Pass
					3.85	-20.599	-0.0082	-2.5 to 2.5	Pass
					4.43	-23.575	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-9.055	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-22.302	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-18.511	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-7.796	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-15.063	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-12.903	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-12.460	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-10.500	-0.0042	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-6.094	-0.0024	-2.5 to 2.5	Pass
					3.85	-11.873	-0.0047	-2.5 to 2.5	Pass
					4.43	-7.453	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-10.128	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-12.546	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-7.696	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-10.328	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-19.026	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-12.531	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-13.890	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-6.437	-0.0025	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-21.157	-0.0083	-2.5 to 2.5	Pass
					3.85	-10.042	-0.0039	-2.5 to 2.5	Pass
					4.43	-6.652	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-20.013	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-15.364	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-18.539	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-20.127	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-11.415	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-9.713	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-4.535	-0.0018	-2.5 to 2.5	Pass
16QAM	2507.5	75	0	20	3.27	-8.268	-0.0033	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0020	-2.5 to 2.5	Pass
					4.43	-11.616	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-4.148	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-10.314	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-10.200	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-18.940	-0.0076	-2.5 to 2.5	Pass
				10	3.85	-15.621	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-15.521	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-9.212	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-6.895	-0.0027	-2.5 to 2.5	Pass
	2535	75	0	20	3.27	-1.001	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
					4.43	-14.348	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-18.411	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-9.928	-0.0039	-2.5 to 2.5	Pass

				-10	3.85	-13.547	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-2.947	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-10.471	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-15.407	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-11.430	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-9.527	-0.0038	-2.5 to 2.5	Pass
	2562.5	75	0	20	3.27	-10.772	-0.0042	-2.5 to 2.5	Pass
					3.85	-10.285	-0.0040	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-18.554	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-4.349	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.376	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-6.137	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-6.094	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-7.825	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-4.449	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-13.919	-0.0054	-2.5 to 2.5	Pass

## 4.4 B7\_20MHz

### 4.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.27	-20.256	-0.0081	-2.5 to 2.5	Pass
					3.85	-16.408	-0.0065	-2.5 to 2.5	Pass
					4.43	-14.906	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-8.011	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-15.450	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-3.648	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-15.464	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-13.046	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-11.730	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-3.390	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-18.568	-0.0074	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-18.110	-0.0071	-2.5 to 2.5	Pass
					3.85	-11.358	-0.0045	-2.5 to 2.5	Pass
					4.43	-5.951	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-15.464	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-7.153	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-3.476	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-7.524	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-12.560	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-13.990	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-15.450	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-11.544	-0.0046	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-18.969	-0.0074	-2.5 to 2.5	Pass
					3.85	-6.294	-0.0025	-2.5 to 2.5	Pass
					4.43	-16.108	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-7.267	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-10.285	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-19.441	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-13.418	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-24.791	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-9.842	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-10.071	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-6.452	-0.0025	-2.5 to 2.5	Pass
16QAM	2510	100	0	20	3.27	-18.125	-0.0072	-2.5 to 2.5	Pass
					3.85	-18.096	-0.0072	-2.5 to 2.5	Pass
					4.43	-9.499	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-17.095	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-17.939	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-8.626	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-10.986	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-14.820	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-3.934	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-19.383	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-13.576	-0.0054	-2.5 to 2.5	Pass
	2535	100	0	20	3.27	-13.862	-0.0055	-2.5 to 2.5	Pass
					3.85	-5.565	-0.0022	-2.5 to 2.5	Pass
					4.43	-9.398	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-10.271	-0.0041	-2.5 to 2.5	Pass

				-10	3.85	-4.578	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-10.657	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-12.760	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-9.255	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-14.462	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
	2560	100	0	20	3.27	-8.039	-0.0031	-2.5 to 2.5	Pass
					3.85	3.362	0.0013	-2.5 to 2.5	Pass
					4.43	-7.524	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-10.901	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-7.939	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-17.381	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-17.352	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-14.348	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-10.686	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-17.109	-0.0067	-2.5 to 2.5	Pass