











## Appendix F: Frequency Stability

### Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	NV	-30	5.08	0.007190	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-1.85	-0.002619	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-6.75	-0.009554	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-10.24	-0.014494	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-11.99	-0.016971	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-15.59	-0.022067	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-18.42	-0.026072	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-23.09	-0.032682	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-24.08	-0.034084	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-8.23	-0.011592	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-15.44	-0.021746	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-20.67	-0.029113	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-25.48	-0.035887	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-30.44	-0.042873	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-35.56	-0.050085	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-40.34	-0.056817	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-44.20	-0.062254	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-46.19	-0.065056	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	24.20	0.033917	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	19.04	0.026685	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	18.73	0.026251	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	13.38	0.018753	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	11.47	0.016076	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	9.24	0.012950	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	8.13	0.011395	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	8.10	0.011352	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	7.94	0.011128	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-22.67	-0.032088	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-20.70	-0.029299	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-18.41	-0.026058	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-17.05	-0.024133	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-15.72	-0.022251	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-13.29	-0.018811	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-12.95	-0.018330	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-11.83	-0.016745	±2.5	PASS

Band17	5MHz	16QAM	23755	25RB#0	NV	50	-10.13	-0.014338	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	3.91	0.005507	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	6.90	0.009718	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	7.17	0.010099	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	9.33	0.013141	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	10.56	0.014873	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	12.26	0.017268	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	14.18	0.019972	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	18.58	0.026169	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	21.11	0.029732	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	10.40	0.014576	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	15.01	0.021037	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	16.08	0.022537	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	17.48	0.024499	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	18.21	0.025522	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	20.44	0.028648	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	22.16	0.031058	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	23.10	0.032376	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	24.46	0.034282	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	22.17	0.031269	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	20.20	0.028491	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	17.15	0.024189	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	14.31	0.020183	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	15.86	0.022370	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	14.28	0.020141	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	13.62	0.019210	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	13.07	0.018434	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	12.07	0.017024	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-7.81	-0.011000	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-17.78	-0.025042	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-26.79	-0.037732	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-36.96	-0.052056	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-48.25	-0.067958	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-2.03	-0.002859	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-10.26	-0.014451	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-17.52	-0.024676	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-25.72	-0.036225	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-5.44	-0.007651	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-12.96	-0.018228	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-18.34	-0.025795	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-24.59	-0.034585	±2.5	PASS

Band17	10MHz	QPSK	23800	50RB#0	NV	10	-29.18	-0.041041	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-34.52	-0.048551	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-40.76	-0.057328	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-44.00	-0.061885	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-48.11	-0.067665	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	18.04	0.025444	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	19.10	0.026939	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	21.84	0.030804	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	22.90	0.032299	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	25.84	0.036446	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	27.35	0.038575	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	27.07	0.038181	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	29.24	0.041241	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	32.03	0.045176	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-34.73	-0.048915	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-35.08	-0.049408	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-34.62	-0.048761	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-34.59	-0.048718	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-33.73	-0.047507	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-33.03	-0.046521	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-32.77	-0.046155	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-33.65	-0.047394	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-33.56	-0.047268	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-3.00	-0.004219	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	2.85	0.004008	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	5.52	0.007764	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	7.65	0.010759	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	9.11	0.012813	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	11.90	0.016737	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	12.26	0.017243	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	13.83	0.019451	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	15.84	0.022278	±2.5	PASS