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## Appendix F: Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	-8.34	-0.011805	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-12.02	-0.017013	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-4.75	-0.006723	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-13.50	-0.019108	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-6.47	-0.009158	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-12.20	-0.017268	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-6.52	-0.009183	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-4.22	-0.005944	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	1.96	0.002761	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-7.71	-0.010859	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-2.62	-0.003690	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-14.92	-0.021014	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	-4.62	-0.006475	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-8.98	-0.012586	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-4.41	-0.006181	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-7.90	-0.011072	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-5.92	-0.008297	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-5.49	-0.007694	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-3.22	-0.004542	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-12.25	-0.017278	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-7.51	-0.010592	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-4.11	-0.005797	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-9.26	-0.013061	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-12.39	-0.017475	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-6.71	-0.009451	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-3.13	-0.004408	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-6.29	-0.008859	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-5.85	-0.008239	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-6.87	-0.009676	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-8.30	-0.011690	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-5.02	-0.007060	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-6.42	-0.009030	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-7.85	-0.011041	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-9.23	-0.012982	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-7.20	-0.010127	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-5.26	-0.007398	±2.5	PASS
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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	-7.67	-0.010856	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-9.78	-0.013843	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-11.42	-0.016164	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-11.26	-0.015938	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-15.21	-0.021529	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-9.58	-0.013560	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-11.99	-0.016971	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-12.79	-0.018103	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-9.38	-0.013277	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-17.92	-0.025364	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-10.47	-0.014820	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-9.94	-0.014069	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-6.42	-0.009087	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-5.85	-0.008280	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-6.37	-0.009016	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-8.20	-0.011607	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-9.94	-0.014069	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-5.46	-0.007728	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-7.07	-0.009958	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	2.49	0.003507	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-11.79	-0.016606	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-5.62	-0.007915	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-6.91	-0.009732	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-5.75	-0.008099	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-6.05	-0.008521	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-7.94	-0.011183	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-8.44	-0.011887	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-10.01	-0.014099	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-8.27	-0.011648	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-9.11	-0.012831	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-5.11	-0.007197	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-9.10	-0.012817	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-11.07	-0.015592	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-10.56	-0.014873	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-9.87	-0.013901	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	-8.21	-0.011563	±2.5	PASS



Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-9.54	-0.013371	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-12.76	-0.017884	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-12.47	-0.017477	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-10.37	-0.014534	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-4.02	-0.005634	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-2.83	-0.003966	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-10.17	-0.014254	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-10.67	-0.014954	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-6.75	-0.009460	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-7.34	-0.010287	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-10.20	-0.014296	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-7.88	-0.011044	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-8.58	-0.012025	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-6.07	-0.008507	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-7.10	-0.009951	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-6.32	-0.008858	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-7.08	-0.009923	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	-11.40	-0.015978	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-3.89	-0.005487	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-4.22	-0.005952	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-4.16	-0.005867	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-7.57	-0.010677	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-11.16	-0.015740	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-8.14	-0.011481	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-7.10	-0.010014	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-7.57	-0.010677	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-4.58	-0.006460	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-7.58	-0.010691	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-8.87	-0.012511	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-8.24	-0.011622	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-9.03	-0.012736	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-10.16	-0.014330	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-5.95	-0.008392	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-4.38	-0.006178	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-0.93	-0.001312	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-7.57	-0.010677	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-8.50	-0.011972	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-4.36	-0.006141	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-11.82	-0.016648	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-7.22	-0.010169	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-11.54	-0.016254	±2.5	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	20	-5.11	-0.007197	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-8.13	-0.011451	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-6.92	-0.009746	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-4.29	-0.006042	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-6.98	-0.009831	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-9.03	-0.012718	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-7.48	-0.010535	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-2.23	-0.003141	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	2.27	0.003197	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-4.35	-0.006127	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-9.97	-0.014042	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-10.91	-0.015366	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-11.16	-0.015718	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-10.10	-0.014205	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-10.54	-0.014824	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-6.07	-0.008537	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-9.53	-0.013404	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-10.24	-0.014402	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-6.12	-0.008608	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-5.94	-0.008354	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-8.84	-0.012433	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-9.38	-0.013193	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-6.15	-0.008650	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-6.02	-0.008467	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-5.08	-0.007145	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-6.58	-0.009255	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-10.73	-0.015091	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-9.88	-0.013896	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-12.02	-0.016906	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-10.57	-0.014866	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-9.58	-0.013474	±2.5	PASS