

Appendix E: 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	-8.38	-0.011861	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-11.63	-0.016461	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-12.87	-0.018217	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-13.49	-0.019094	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-5.84	-0.008266	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-9.73	-0.013772	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-9.96	-0.014098	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-13.82	-0.019561	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-7.14	-0.010106	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-6.61	-0.009356	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-7.51	-0.010630	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-5.92	-0.008379	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-7.70	-0.010899	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-10.09	-0.014282	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-12.33	-0.017452	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-8.44	-0.011946	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-9.70	-0.013730	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-13.48	-0.019080	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-6.44	-0.009070	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-6.01	-0.008465	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-6.32	-0.008901	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-5.88	-0.008282	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-8.87	-0.012493	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-8.08	-0.011380	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-10.47	-0.014746	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-13.63	-0.019197	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-8.40	-0.011831	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-6.28	-0.008845	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-9.71	-0.013676	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-5.81	-0.008183	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-7.40	-0.010423	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-9.26	-0.013042	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-10.50	-0.014789	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-5.87	-0.008268	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-3.38	-0.004761	±2.5	PASS

Band17	5MHz	16QAM	23790	25RB#0	NV	50	-6.12	-0.008620	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-8.80	-0.012334	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-7.01	-0.009825	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-8.67	-0.012151	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-7.54	-0.010568	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-7.28	-0.010203	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-4.51	-0.006321	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-8.01	-0.011226	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-9.23	-0.012936	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-5.54	-0.007765	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-4.51	-0.006321	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-7.94	-0.011128	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-3.99	-0.005592	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-10.93	-0.015319	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-9.20	-0.012894	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-10.74	-0.015053	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-9.33	-0.013076	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-9.24	-0.012950	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	-8.37	-0.011731	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-10.47	-0.014767	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-6.44	-0.009083	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-2.03	-0.002863	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-3.89	-0.005487	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-5.69	-0.008025	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-7.52	-0.010606	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-9.67	-0.013639	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	11.14	0.015712	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-10.70	-0.015092	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-9.46	-0.013343	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-5.99	-0.008449	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-3.35	-0.004725	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-4.13	-0.005825	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-4.86	-0.006855	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-5.31	-0.007489	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-7.47	-0.010536	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-6.34	-0.008942	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-5.54	-0.007814	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-8.58	-0.012085	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-6.47	-0.009113	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-7.42	-0.010451	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-6.57	-0.009254	±2.5	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	10	-8.53	-0.012014	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-9.07	-0.012775	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-9.34	-0.013155	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-10.69	-0.015056	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-6.29	-0.008859	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-11.73	-0.016521	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-9.28	-0.013070	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-1.32	-0.001859	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-5.66	-0.007972	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-9.38	-0.013211	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-6.29	-0.008859	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-6.05	-0.008521	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-3.12	-0.004394	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-7.41	-0.010437	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-6.71	-0.009437	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-5.29	-0.007440	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-6.81	-0.009578	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-8.93	-0.012560	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-7.51	-0.010563	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-7.08	-0.009958	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-7.70	-0.010830	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-8.17	-0.011491	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-8.41	-0.011828	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-10.66	-0.014993	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-10.01	-0.014079	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-9.80	-0.013783	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-7.25	-0.010197	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-5.42	-0.007623	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-6.04	-0.008495	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-9.23	-0.012982	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-7.90	-0.011111	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-5.51	-0.007750	±2.5	PASS