

6. Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	-13.93	-0.019717	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-16.84	-0.023836	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-6.84	-0.009682	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	2.92	0.004133	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-11.76	-0.016645	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-12.30	-0.017410	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-4.58	-0.006451	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-2.82	-0.003972	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	-8.87	-0.012493	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-7.38	-0.010394	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-6.61	-0.009310	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-5.22	-0.007352	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	-7.24	-0.010147	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-9.44	-0.013231	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-7.31	-0.010245	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-2.90	-0.004064	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-7.47	-0.010470	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-9.44	-0.013231	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	2.73	0.003850	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-5.34	-0.007532	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	6.55	0.009238	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-11.26	-0.015882	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-5.14	-0.007250	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-10.43	-0.014711	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	15.35	0.021620	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	27.58	0.038845	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	27.17	0.038268	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	17.70	0.024930	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-14.32	-0.020169	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-11.93	-0.016803	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-8.50	-0.011955	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-7.14	-0.010042	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-6.95	-0.009775	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-10.21	-0.014360	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-12.10	-0.017018	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-10.67	-0.015007	±2.5	PASS

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	-7.00	-0.009908	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-5.61	-0.007941	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-7.18	-0.010163	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-6.78	-0.009597	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-8.27	-0.011706	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-12.22	-0.017297	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-9.83	-0.013914	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-9.60	-0.013588	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-7.20	-0.010191	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-10.97	-0.015527	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-5.74	-0.008125	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-11.86	-0.016787	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-7.32	-0.010361	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-7.95	-0.011253	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-9.77	-0.013829	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-4.81	-0.006808	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-8.43	-0.011932	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-9.50	-0.013447	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-8.96	-0.012620	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-8.48	-0.011944	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-6.17	-0.008690	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-11.72	-0.016507	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-8.41	-0.011845	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-12.40	-0.017465	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-8.20	-0.011549	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-5.18	-0.007296	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-7.97	-0.011225	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-8.51	-0.011986	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-9.51	-0.013394	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-4.82	-0.006789	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-6.41	-0.009028	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-11.56	-0.016282	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-5.18	-0.007296	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-10.83	-0.015254	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-10.34	-0.014563	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	-8.55	-0.012042	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-10.46	-0.014660	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-10.81	-0.015151	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-10.81	-0.015151	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-10.34	-0.014492	±2.5	PASS

Band17	5MHz	QPSK	23825	25RB#0	NV	10	-11.82	-0.016566	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-11.83	-0.016580	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-7.50	-0.010512	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-11.93	-0.016720	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-10.60	-0.014856	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-6.28	-0.008802	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-11.74	-0.016454	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-9.57	-0.013413	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-6.38	-0.008942	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-10.39	-0.014562	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-5.76	-0.008073	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-6.75	-0.009460	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-6.90	-0.009671	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	-8.27	-0.011591	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	4.99	0.007038	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-8.10	-0.011425	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-7.48	-0.010550	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-4.61	-0.006502	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-2.27	-0.003202	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	3.52	0.004965	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-3.20	-0.004513	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-5.75	-0.008110	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-6.11	-0.008618	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-8.96	-0.012638	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-8.48	-0.011961	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-11.16	-0.015740	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-7.71	-0.010874	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-8.31	-0.011721	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-9.06	-0.012779	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-8.20	-0.011566	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-12.22	-0.017236	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-8.96	-0.012638	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	26.34	0.037099	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	21.70	0.030563	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	26.58	0.037437	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	26.88	0.037859	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	27.91	0.039310	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	24.10	0.033944	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	25.51	0.035930	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	22.24	0.031324	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	26.46	0.037268	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-11.19	-0.015761	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-9.64	-0.013577	±2.5	PASS

Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-13.09	-0.018437	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-9.18	-0.012930	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-13.63	-0.019197	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-8.57	-0.012070	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-11.32	-0.015944	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-10.21	-0.014380	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-9.60	-0.013521	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-5.92	-0.008326	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	2.17	0.003052	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-5.42	-0.007623	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	2.46	0.003460	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	4.81	0.006765	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-6.51	-0.009156	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	9.38	0.013193	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-3.45	-0.004852	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	5.59	0.007862	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-11.64	-0.016371	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-10.80	-0.015190	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-5.14	-0.007229	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-11.13	-0.015654	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-10.56	-0.014852	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-11.66	-0.016399	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-7.84	-0.011027	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-13.46	-0.018931	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-10.14	-0.014262	±2.5	PASS

-----END OF THE REPORT-----