

6: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	-14.23	-0.005686	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	-22.62	-0.009039	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	27.34	0.010925	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	34.98	0.013799	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	-24.00	-0.009467	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	19.03	0.007507	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	26.18	0.010197	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	-37.49	-0.014602	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	-33.36	-0.012993	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	9.58	0.003828	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	19.81	0.007916	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	-28.94	-0.011564	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	15.12	0.005964	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	-11.47	-0.004525	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	-36.36	-0.014343	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	-31.90	-0.012425	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	21.40	0.008335	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	-17.02	-0.006629	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-19.44	-0.007760	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-18.63	-0.007437	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	12.93	0.005162	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	19.40	0.007653	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	6.79	0.002679	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	-28.28	-0.011156	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	30.18	0.011766	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	-20.70	-0.008070	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	-51.05	-0.019903	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	-15.66	-0.006245	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	-23.02	-0.009180	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	20.93	0.008347	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	41.56	0.016394	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	21.16	0.008347	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	-18.65	-0.007357	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	38.45	0.015005	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	-48.11	-0.018775	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	-64.70	-0.025249	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-46.92	-0.018693	±2.5	PASS

Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-18.28	-0.007283	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-29.58	-0.011785	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	31.17	0.012296	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-33.09	-0.013053	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-4.45	-0.001755	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	59.01	0.023051	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	29.67	0.011590	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	32.07	0.012527	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	-28.77	-0.011497	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	7.22	0.002885	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-10	18.00	0.007193	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	12.99	0.005191	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	-11.60	-0.004635	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	-9.04	-0.003612	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	30	26.36	0.010533	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	40	-11.37	-0.004543	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	50	10.54	0.004212	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	51.00	0.020118	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	28.25	0.011144	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-10	20.99	0.008280	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	28.51	0.011247	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	33.04	0.013034	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	18.25	0.007199	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	30	16.31	0.006434	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	40	57.81	0.022805	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	50	19.20	0.007574	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	-24.65	-0.009601	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	14.96	0.005827	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-10	46.51	0.018115	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	51.18	0.019934	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	19.66	0.007657	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	51.21	0.019945	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	30	23.60	0.009192	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	40	32.74	0.012752	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	50	45.42	0.017690	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	26.24	0.010486	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	15.68	0.006266	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-10	12.40	0.004955	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	-10.11	-0.004040	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	11.17	0.004464	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	-7.08	-0.002829	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	30	7.90	0.003157	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	40	-11.54	-0.004611	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	50	-25.76	-0.010294	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	-37.85	-0.014931	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	-27.08	-0.010682	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-10	-37.81	-0.014915	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	31.70	0.012505	±2.5	PASS

Band7	5MHz	16QAM	21100	25RB#0	NV	10	-29.60	-0.011677	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	-39.73	-0.015673	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	30	-28.65	-0.011302	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	40	-8.47	-0.003341	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	50	19.53	0.007704	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	-20.30	-0.007907	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	-52.96	-0.020627	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-10	-53.34	-0.020775	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	-27.71	-0.010793	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	-11.84	-0.004611	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	-13.28	-0.005172	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	30	-24.88	-0.009690	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	40	-13.88	-0.005406	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	50	-16.78	-0.006536	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	-14.89	-0.005944	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	-13.03	-0.005202	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-10	-6.48	-0.002587	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	-14.65	-0.005848	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	-19.84	-0.007920	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	9.08	0.003625	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	30	10.71	0.004275	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	40	7.94	0.003170	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	50	12.46	0.004974	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	-30.73	-0.012122	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	18.91	0.007460	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-10	46.13	0.018197	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	-23.23	-0.009164	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	-39.73	-0.015673	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-26.11	-0.010300	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	30	-31.26	-0.012331	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	40	-22.42	-0.008844	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	50	-11.23	-0.004430	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-19.51	-0.007606	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-28.40	-0.011072	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-10	-54.45	-0.021228	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-12.89	-0.005025	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	-46.75	-0.018226	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-13.05	-0.005088	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	30	59.24	0.023096	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	40	29.80	0.011618	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	50	-42.10	-0.016413	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	29.68	0.011836	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	-9.83	-0.003920	±2.5	PASS

Band7	15MHz	QPSK	20825	75RB#0	NV	-10	34.65	0.013819	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	15.02	0.005990	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	10.06	0.004012	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	11.27	0.004495	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	30	-15.99	-0.006377	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	40	14.79	0.005898	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	50	34.50	0.013759	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	-14.92	-0.005886	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	-27.98	-0.011037	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-10	-18.75	-0.007396	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-15.15	-0.005976	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	27.15	0.010710	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	-23.85	-0.009408	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	30	24.00	0.009467	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	40	10.19	0.004020	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	50	-11.07	-0.004367	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	9.87	0.003852	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	-42.80	-0.016702	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-10	-48.49	-0.018923	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-22.54	-0.008796	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	30.18	0.011778	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	-4.66	-0.001819	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	30	-8.17	-0.003188	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	40	41.60	0.016234	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	50	20.17	0.007871	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	15.06	0.006000	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	18.58	0.007402	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	9.74	0.003880	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	19.21	0.007653	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-11.84	-0.004717	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	17.07	0.006801	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	24.65	0.009821	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	9.96	0.003968	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	11.84	0.004717	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-15.76	-0.006217	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	39.54	0.015598	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	49.51	0.019531	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	11.73	0.004627	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	24.35	0.009606	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	40.78	0.016087	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-15.23	-0.006008	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-19.21	-0.007578	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	13.52	0.005333	±2.5	PASS

Band7	20MHz	QPSK	21350	100RB#0	NV	-30	30.63	0.011965	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	19.15	0.007480	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	18.51	0.007230	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-20.59	-0.008043	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-16.35	-0.006387	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-8.51	-0.003324	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	18.91	0.007387	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	27.18	0.010617	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	25.26	0.009867	±2.5	PASS

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