

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-4.73	-0.006068	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-4.32	-0.005542	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	1.96	0.002514	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-2.69	-0.003440	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-3.39	-0.004335	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-3.45	-0.004412	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	-2.90	-0.003697	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-1.43	-0.001823	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-1.90	-0.002422	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-3.66	-0.004695	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	-4.19	-0.005375	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-4.91	-0.006299	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	2.37	0.003031	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	-1.93	-0.002468	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-2.70	-0.003453	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-3.03	-0.003862	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	1.82	0.002320	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-2.23	-0.002843	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-3.55	-0.004540	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	2.75	0.003517	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-3.62	-0.004629	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	-2.36	-0.003018	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	-3.03	-0.003875	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	1.33	0.001701	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-2.55	-0.003271	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-1.90	-0.002437	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-2.92	-0.003746	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-2.46	-0.003156	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-4.21	-0.005401	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-2.95	-0.003772	±2.5	PASS

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Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-3.49	-0.004463	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-2.09	-0.002673	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-1.44	-0.001841	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	-3.18	-0.004066	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	-2.55	-0.003250	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	1.30	0.001657	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	2.53	0.003225	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	1.54	0.001963	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	1.87	0.002384	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-2.63	-0.003374	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-4.58	-0.005876	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-5.11	-0.006555	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-4.12	-0.005285	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-4.73	-0.006068	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-1.39	-0.001777	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-2.62	-0.003350	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-3.30	-0.004220	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-3.52	-0.004501	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	-1.30	-0.001662	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-3.60	-0.004589	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	-1.83	-0.002333	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	-2.73	-0.003480	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	-3.99	-0.005086	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	-4.18	-0.005328	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-3.46	-0.004425	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-2.55	-0.003261	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-3.26	-0.004169	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-3.33	-0.004258	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-3.20	-0.004092	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	-2.79	-0.003568	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	-3.15	-0.004028	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-2.63	-0.003363	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-1.89	-0.002417	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-2.30	-0.002941	±2.5	PASS

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