

Appendix F: Frequency Stability for M1

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band 26(814-824)	1.4M Hz	16QAM	26740	5	0	Low	VL	NT	-2.60	-0.003175	±2.5	PASS
Band 26(814-824)	1.4M Hz	16QAM	26740	5	0	Low	VN	NT	1.70	0.002076	±2.5	PASS
Band 26(814-824)	1.4M Hz	16QAM	26740	5	0	Low	VH	NT	-9.30	-0.011355	±2.5	PASS
Band 26(814-824)	1.4M Hz	16QAM	26783	5	1	High	VL	NT	0.50	0.000607	±2.5	PASS
Band 26(814-824)	1.4M Hz	16QAM	26783	5	1	High	VN	NT	0.70	0.000850	±2.5	PASS
Band 26(814-824)	1.4M Hz	16QAM	26783	5	1	High	VH	NT	0.20	0.000243	±2.5	PASS
Band 26(814-824)	3MHz	16QAM	26705	5	0	Low	VL	NT	-12.20	-0.014960	±2.5	PASS
Band 26(814-824)	3MHz	16QAM	26705	5	0	Low	VN	NT	-11.70	-0.014347	±2.5	PASS
Band 26(814-824)	3MHz	16QAM	26705	5	0	Low	VH	NT	-11.80	-0.014470	±2.5	PASS

824)												
Band 26(81 4- 824)	3MHz	16QA M	267 40	5	0	Low	VL	NT	-5.60	- 0.00 6838	±2. 5	PA SS
Band 26(81 4- 824)	3MHz	16QA M	267 40	5	0	Low	VN	NT	-6.00	- 0.00 7326	±2. 5	PA SS
Band 26(81 4- 824)	3MHz	16QA M	267 40	5	0	Low	VH	NT	-6.10	- 0.00 7448	±2. 5	PA SS
Band 26(81 4- 824)	3MHz	16QA M	267 75	5	1	High	VL	NT	-4.50	- 0.00 5471	±2. 5	PA SS
Band 26(81 4- 824)	3MHz	16QA M	267 75	5	1	High	VN	NT	-4.40	- 0.00 5350	±2. 5	PA SS
Band 26(81 4- 824)	3MHz	16QA M	267 75	5	1	High	VH	NT	-5.30	- 0.00 6444	±2. 5	PA SS
Band 26(81 4- 824)	5MHz	16QA M	267 15	5	0	Low	VL	NT	- 13.6 0	- 0.01 6656	±2. 5	PA SS
Band 26(81 4- 824)	5MHz	16QA M	267 15	5	0	Low	VN	NT	- 13.7 0	- 0.01 6779	±2. 5	PA SS
Band 26(81 4- 824)	5MHz	16QA M	267 15	5	0	Low	VH	NT	- 14.2 0	- 0.01 7391	±2. 5	PA SS
Band 26(81 4- 824)	5MHz	16QA M	267 40	5	0	Low	VL	NT	-9.80	- 0.011 966	±2. 5	PA SS
Band 26(81	5MHz	16QA M	267 40	5	0	Low	VN	NT	-9.10	- 0.011	±2. 5	PA SS

4-824)										111		
Band 26(814-824)	5MHz	16QAM	26740	5	0	Low	VH	NT	-9.30	-0.011355	±2.5	PASS
Band 26(814-824)	5MHz	16QAM	26785	5	1	High	VL	NT	-6.90	-0.008379	±2.5	PASS
Band 26(814-824)	5MHz	16QAM	26785	5	1	High	VN	NT	-7.20	-0.008743	±2.5	PASS
Band 26(814-824)	5MHz	16QAM	26785	5	1	High	VH	NT	-6.40	-0.007772	±2.5	PASS
Band 26(814-824)	10MHz	16QAM	26740	5	0	Low	VL	NT	-16.50	-0.020147	±2.5	PASS
Band 26(814-824)	10MHz	16QAM	26740	5	0	Low	VN	NT	-16.80	-0.020513	±2.5	PASS
Band 26(814-824)	10MHz	16QAM	26740	5	0	Low	VH	NT	-16.90	-0.020635	±2.5	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26 (814-824)	1.4MHz	16QAM	26740	5	0	Low	NV	-30	-9.00	-0.010989	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26740	5	0	Low	NV	-20	-8.40	-0.010256	±2.5	PASS
Band26 (814-824)	1.4MHz	16QAM	26740	5	0	Low	NV	-10	-8.30	-0.010134	±2.5	PASS

Band26 (814-824)	1.4M Hz	16QA M	267 40	5	0	Lo w	NV	0	-8.50	- 0.010 379	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 40	5	0	Lo w	NV	10	-8.30	- 0.010 134	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 40	5	0	Lo w	NV	20	-8.70	- 0.010 623	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 40	5	0	Lo w	NV	30	-9.20	- 0.011 233	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 40	5	0	Lo w	NV	40	-8.00	- 0.009 768	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 40	5	0	Lo w	NV	50	-8.30	- 0.010 134	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 83	5	1	Hig h	NV	-30	0.10	0.000 121	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 83	5	1	Hig h	NV	-20	0.90	0.001 093	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 83	5	1	Hig h	NV	-10	0.80	0.000 972	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 83	5	1	Hig h	NV	0	-0.60	- 0.000 729	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 83	5	1	Hig h	NV	10	-0.40	- 0.000 486	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 83	5	1	Hig h	NV	20	0.90	0.001 093	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 83	5	1	Hig h	NV	30	1.50	0.001 822	±2. 5	PAS S
Band26 (814-824)	1.4M Hz	16QA M	267 83	5	1	Hig h	NV	40	0.70	0.000 850	±2. 5	PAS S
Band26	1.4M	16QA	267	5	1	Hig	NV	50	0.20	0.000	±2.	PAS

(814-824)	Hz	M	83			h				243	5	S
Band26 (814-824)	3MHz	16QAM	26705	5	0	Low	NV	-30	-11.90	-0.014592	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	5	0	Low	NV	-20	-11.50	-0.014102	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	5	0	Low	NV	-10	-11.20	-0.013734	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	5	0	Low	NV	0	-10.70	-0.013121	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	5	0	Low	NV	10	-12.00	-0.014715	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	5	0	Low	NV	20	-11.20	-0.013734	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	5	0	Low	NV	30	-11.50	-0.014102	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	5	0	Low	NV	40	-13.10	-0.016064	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26705	5	0	Low	NV	50	-12.70	-0.015573	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	5	0	Low	NV	-30	-5.70	-0.006960	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	5	0	Low	NV	-20	-6.10	-0.007448	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	5	0	Low	NV	-10	-6.20	-0.007570	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	5	0	Low	NV	0	-6.00	-0.007326	±2.5	PASS
Band26 (814-824)	3MHz	16QAM	26740	5	0	Low	NV	10	-6.00	-0.007	±2.5	PASS

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Band26 (814- 824)	3MHz	16QA M	267 40	5	0	Lo w	NV	20	-6.20	- 0.007 570	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 40	5	0	Lo w	NV	30	-6.80	- 0.008 303	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 40	5	0	Lo w	NV	40	-6.30	- 0.007 692	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 40	5	0	Lo w	NV	50	-6.80	- 0.008 303	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 75	5	1	Hig h	NV	-30	-5.20	- 0.006 322	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 75	5	1	Hig h	NV	-20	-3.50	- 0.004 255	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 75	5	1	Hig h	NV	-10	-4.10	- 0.004 985	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 75	5	1	Hig h	NV	0	-4.50	- 0.005 471	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 75	5	1	Hig h	NV	10	-4.90	- 0.005 957	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 75	5	1	Hig h	NV	20	-4.60	- 0.005 593	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 75	5	1	Hig h	NV	30	-3.60	- 0.004 377	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 75	5	1	Hig h	NV	40	-3.50	- 0.004 255	±2. 5	PAS S
Band26 (814- 824)	3MHz	16QA M	267 75	5	1	Hig h	NV	50	-5.20	- 0.006 322	±2. 5	PAS S
Band26 (814- 824)	5MHz	16QA M	267 15	5	0	Lo w	NV	-30	- 12.60	- 0.015 432	±2. 5	PAS S

Band26 (814-824)	5MHz	16QA M	267 15	5	0	Lo w	NV	-20	- 12.40	- 0.015 187	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 15	5	0	Lo w	NV	-10	- 13.10	- 0.016 044	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 15	5	0	Lo w	NV	0	- 13.90	- 0.017 024	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 15	5	0	Lo w	NV	10	- 13.70	- 0.016 779	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 15	5	0	Lo w	NV	20	- 12.40	- 0.015 187	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 15	5	0	Lo w	NV	30	- 14.10	- 0.017 269	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 15	5	0	Lo w	NV	40	- 13.20	- 0.016 167	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 15	5	0	Lo w	NV	50	- 11.90	- 0.014 574	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 40	5	0	Lo w	NV	-30	-9.90	- 0.012 088	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 40	5	0	Lo w	NV	-20	-8.80	- 0.010 745	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 40	5	0	Lo w	NV	-10	-9.50	- 0.011 600	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 40	5	0	Lo w	NV	0	-9.10	- 0.011 111	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 40	5	0	Lo w	NV	10	-8.80	- 0.010 745	±2. 5	PAS S
Band26 (814-824)	5MHz	16QA M	267 40	5	0	Lo w	NV	20	-9.70	- 0.011 844	±2. 5	PAS S
Band26	5MHz	16QA	267	5	0	Lo	NV	30	-9.00	-	±2.	PAS

(814-824)		M	40			w				0.010 989	5	S
Band26 (814-824)	5MHz	16QAM	267 40	5	0	Low	NV	40	-7.70	- 0.009 402	±2. 5	PASS
Band26 (814-824)	5MHz	16QAM	267 40	5	0	Low	NV	50	-8.60	- 0.010 501	±2. 5	PASS
Band26 (814-824)	5MHz	16QAM	267 85	5	1	High	NV	-30	-5.90	- 0.007 165	±2. 5	PASS
Band26 (814-824)	5MHz	16QAM	267 85	5	1	High	NV	-20	-6.80	- 0.008 257	±2. 5	PASS
Band26 (814-824)	5MHz	16QAM	267 85	5	1	High	NV	-10	-7.00	- 0.008 500	±2. 5	PASS
Band26 (814-824)	5MHz	16QAM	267 85	5	1	High	NV	0	-5.90	- 0.007 165	±2. 5	PASS
Band26 (814-824)	5MHz	16QAM	267 85	5	1	High	NV	10	-6.10	- 0.007 407	±2. 5	PASS
Band26 (814-824)	5MHz	16QAM	267 85	5	1	High	NV	20	-5.70	- 0.006 922	±2. 5	PASS
Band26 (814-824)	5MHz	16QAM	267 85	5	1	High	NV	30	-6.60	- 0.008 015	±2. 5	PASS
Band26 (814-824)	5MHz	16QAM	267 85	5	1	High	NV	40	-6.00	- 0.007 286	±2. 5	PASS
Band26 (814-824)	5MHz	16QAM	267 85	5	1	High	NV	50	-6.40	- 0.007 772	±2. 5	PASS
Band26 (814-824)	10MHz z	16QAM	267 40	5	0	Low	NV	-30	- 16.00	- 0.019 536	±2. 5	PASS
Band26 (814-824)	10MHz z	16QAM	267 40	5	0	Low	NV	-20	- 16.60	- 0.020 269	±2. 5	PASS
Band26 (814-824)	10MHz z	16QAM	267 40	5	0	Low	NV	-10	- 16.20	- 0.019	±2. 5	PASS

824)										780		
Band26 (814- 824)	10MH z	16QA M	267 40	5	0	Lo w	NV	0	- 16.90	- 0.020 635	±2. 5	PAS S
Band26 (814- 824)	10MH z	16QA M	267 40	5	0	Lo w	NV	10	- 17.10	- 0.020 879	±2. 5	PAS S
Band26 (814- 824)	10MH z	16QA M	267 40	5	0	Lo w	NV	20	- 17.10	- 0.020 879	±2. 5	PAS S
Band26 (814- 824)	10MH z	16QA M	267 40	5	0	Lo w	NV	30	- 17.20	- 0.021 001	±2. 5	PAS S
Band26 (814- 824)	10MH z	16QA M	267 40	5	0	Lo w	NV	40	- 18.10	- 0.022 100	±2. 5	PAS S
Band26 (814- 824)	10MH z	16QA M	267 40	5	0	Lo w	NV	50	- 18.30	- 0.022 344	±2. 5	PAS S