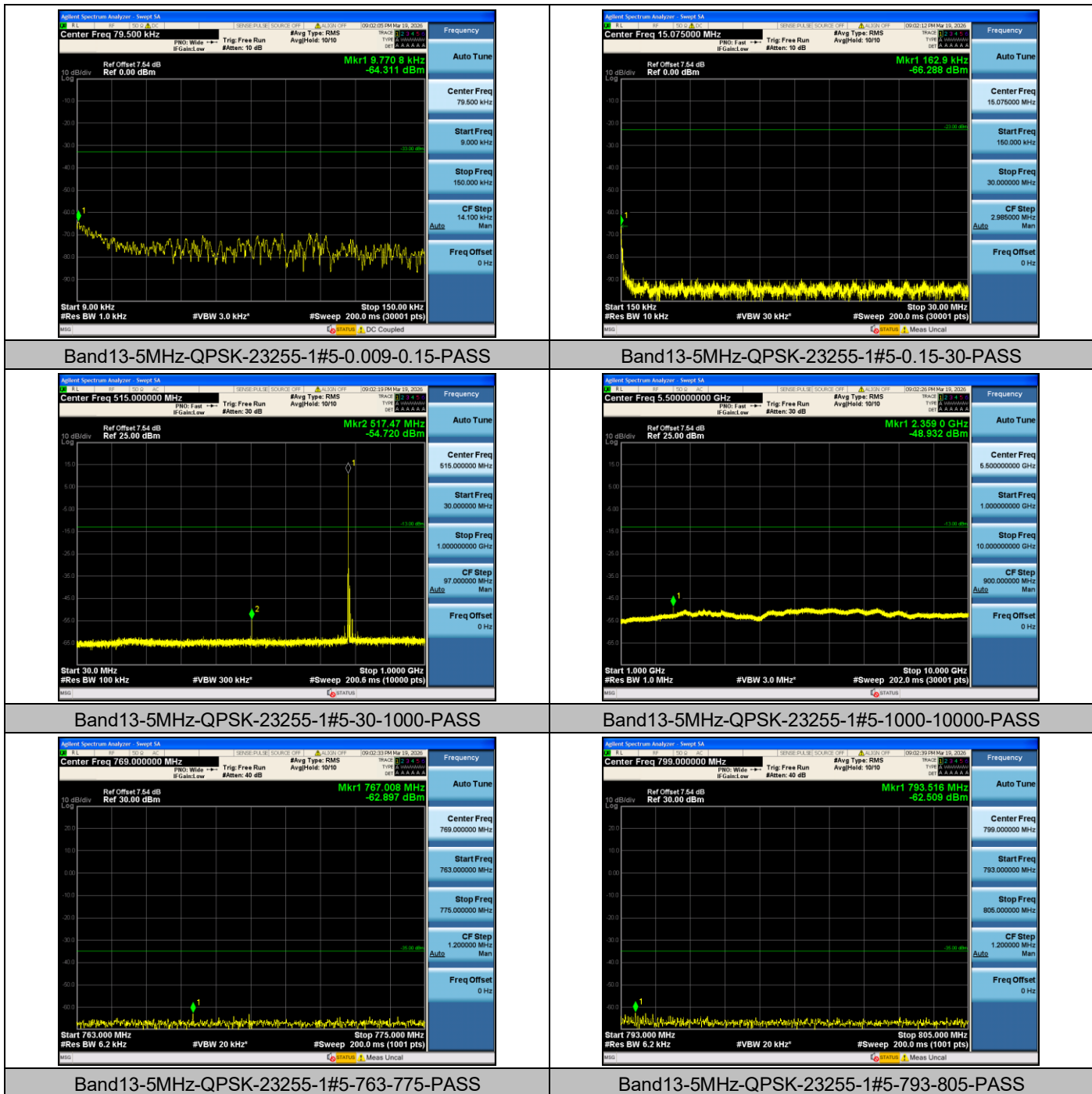
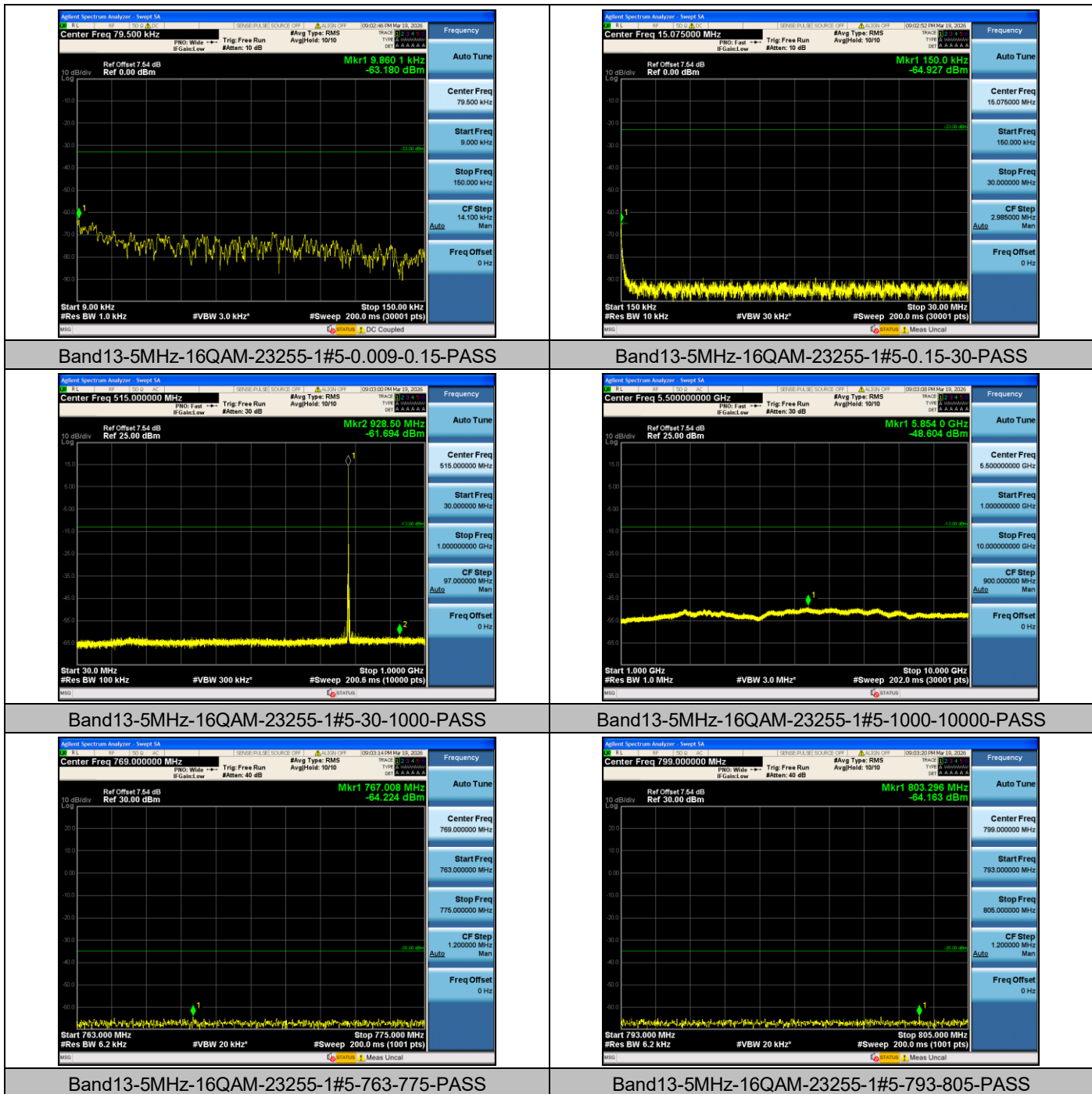






2.6 Appendix F: Frequency Stability

2.6.1 Test Result

Voltage												
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Voltage	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	VN	NT	3.33	0.004272	±2.5	PASS
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	VL	NT	2.50	0.003207	±2.5	PASS
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	VH	NT	3.05	0.003913	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	VN	NT	3.53	0.004529	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	VL	NT	4.32	0.005542	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	VH	NT	4.38	0.005619	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	VN	NT	-5.85	-0.007481	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	VL	NT	-5.38	-0.006880	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	VH	NT	-7.18	-0.009182	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	VN	NT	-6.82	-0.008721	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	VL	NT	-7.37	-0.009425	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	VH	NT	-8.35	-0.010678	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	VN	NT	5.97	0.007610	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	VL	NT	4.79	0.006106	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	VH	NT	4.29	0.005468	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	VN	NT	4.11	0.005239	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	VL	NT	4.58	0.005838	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	VH	NT	4.22	0.005379	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	VN	NT	0.00	0.009054	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	VL	NT	0.00	0.008913	±2.5	PASS



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CatM1 Band13	10MHz	23230	QPSK	6	0	Low	VH	NT	0.00	0.008887	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	VN	NT	0.00	0.007737	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	VL	NT	0.00	0.009514	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	VH	NT	0.00	0.009041	±2.5	PASS

Temperature												
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Voltage	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	NV	-30	2.23	0.002861	±2.5	PASS
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	NV	-20	4.36	0.005593	±2.5	PASS
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	NV	-10	3.29	0.004221	±2.5	PASS
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	NV	0	-2.75	-0.003528	±2.5	PASS
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	NV	10	-4.18	-0.005362	±2.5	PASS
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	NV	20	-2.88	-0.003695	±2.5	PASS
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	NV	30	3.30	0.004233	±2.5	PASS
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	NV	40	4.62	0.005927	±2.5	PASS
CatM1 Band13	5MHz	23205	QPSK	6	0	Low	NV	50	-3.06	-0.003926	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	NV	-30	5.24	0.006722	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	NV	-20	2.20	0.002822	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	NV	-10	3.53	0.004529	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	NV	0	-2.83	-0.003631	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	NV	10	-2.90	-0.003720	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	NV	20	2.90	0.003720	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	NV	30	2.96	0.003797	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	NV	40	3.20	0.004105	±2.5	PASS
CatM1 Band13	5MHz	23205	16QAM	6	0	Low	NV	50	4.31	0.005529	±2.5	PASS



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CatM1 Band13	5MHz	23230	QPSK	6	0	Low	NV	-30	-8.17	-0.010448	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	NV	-20	-6.52	-0.008338	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	NV	-10	-6.45	-0.008248	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	NV	0	-5.42	-0.006931	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	NV	10	-5.04	-0.006445	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	NV	20	-5.76	-0.007366	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	NV	30	-6.77	-0.008657	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	NV	40	-6.81	-0.008708	±2.5	PASS
CatM1 Band13	5MHz	23230	QPSK	6	0	Low	NV	50	-6.74	-0.008619	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	NV	-30	-6.75	-0.008632	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	NV	-20	-8.67	-0.011087	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	NV	-10	-7.78	-0.009949	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	NV	0	-7.41	-0.009476	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	NV	10	-5.51	-0.007046	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	NV	20	-7.78	-0.009949	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	NV	30	-6.69	-0.008555	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	NV	40	-7.20	-0.009207	±2.5	PASS
CatM1 Band13	5MHz	23230	16QAM	6	0	Low	NV	50	-5.41	-0.006918	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	NV	-30	3.75	0.004780	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	NV	-20	3.09	0.003939	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	NV	-10	5.15	0.006565	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	NV	0	5.02	0.006399	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	NV	10	4.78	0.006093	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	NV	20	4.25	0.005417	±2.5	PASS



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CatM1 Band13	5MHz	23255	QPSK	6	0	High	NV	30	5.02	0.006399	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	NV	40	4.46	0.005685	±2.5	PASS
CatM1 Band13	5MHz	23255	QPSK	6	0	High	NV	50	3.46	0.004410	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	NV	-30	3.66	0.004665	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	NV	-20	3.93	0.005010	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	NV	-10	3.78	0.004818	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	NV	0	4.42	0.005634	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	NV	10	3.78	0.004818	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	NV	20	3.95	0.005035	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	NV	30	3.33	0.004245	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	NV	40	4.33	0.005519	±2.5	PASS
CatM1 Band13	5MHz	23255	16QAM	6	0	High	NV	50	6.29	0.008018	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	NV	-30	0.00	0.007212	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	NV	-20	0.00	0.010102	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	NV	-10	0.00	0.008031	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	NV	0	0.00	0.006957	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	NV	10	0.00	0.007903	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	NV	20	0.00	0.008977	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	NV	30	0.00	0.008593	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	NV	40	0.00	0.009041	±2.5	PASS
CatM1 Band13	10MHz	23230	QPSK	6	0	Low	NV	50	0.00	0.008491	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	NV	-30	0.00	0.008018	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	NV	-20	0.00	0.009130	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	NV	-10	0.00	0.008555	±2.5	PASS



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CatM1 Band13	10MHz	23230	16QAM	6	0	Low	NV	0	0.00	0.008171	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	NV	10	0.00	0.009719	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	NV	20	0.00	0.009399	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	NV	30	0.00	0.009437	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	NV	40	0.00	0.009271	±2.5	PASS
CatM1 Band13	10MHz	23230	16QAM	6	0	Low	NV	50	0.00	0.009719	±2.5	PASS

- End of the Appendix -



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