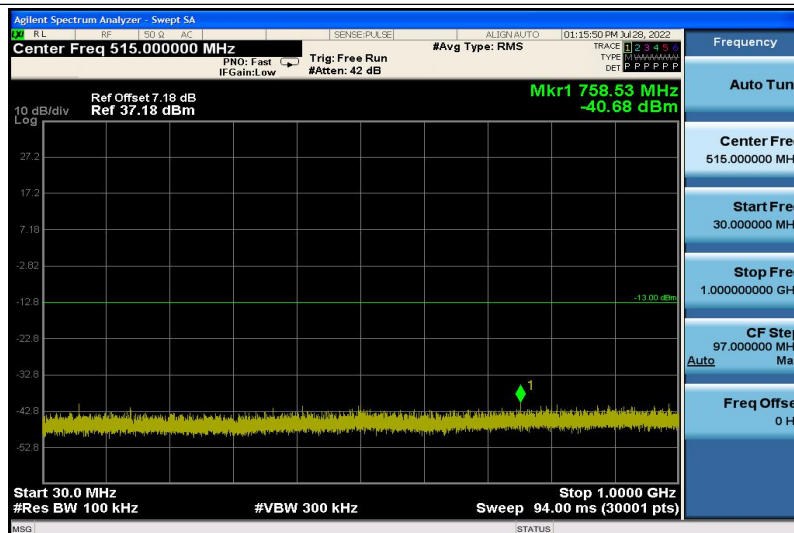
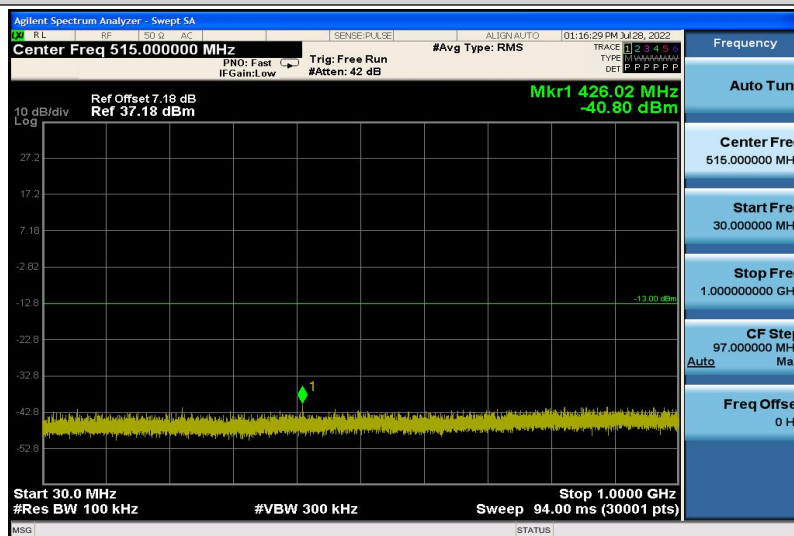




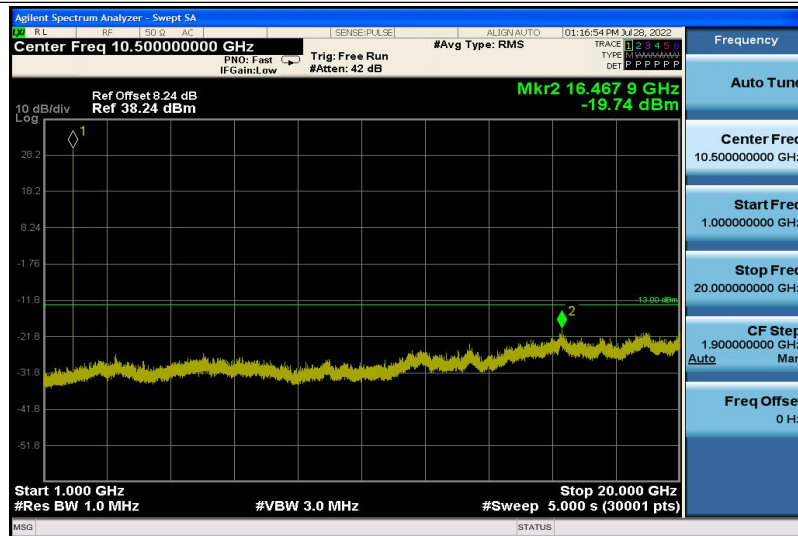
GSM1900-512-30~1000



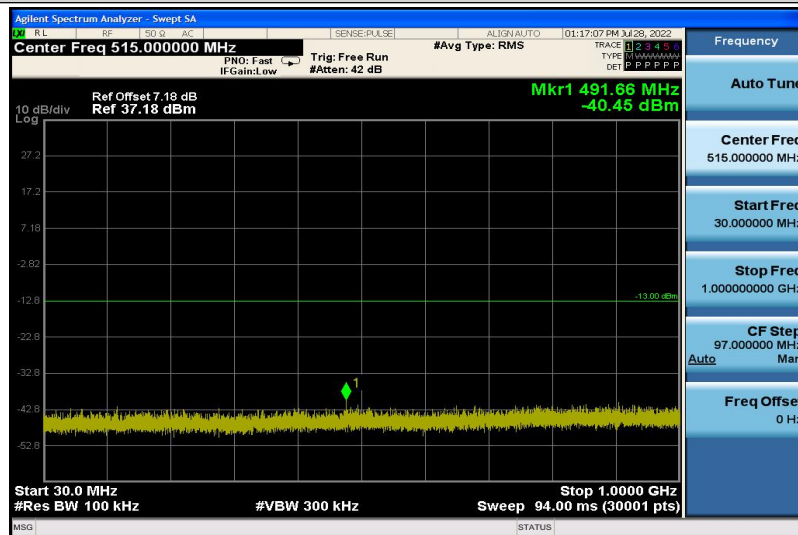
GSM1900-512-1000~20000



GSM1900-661-30~1000



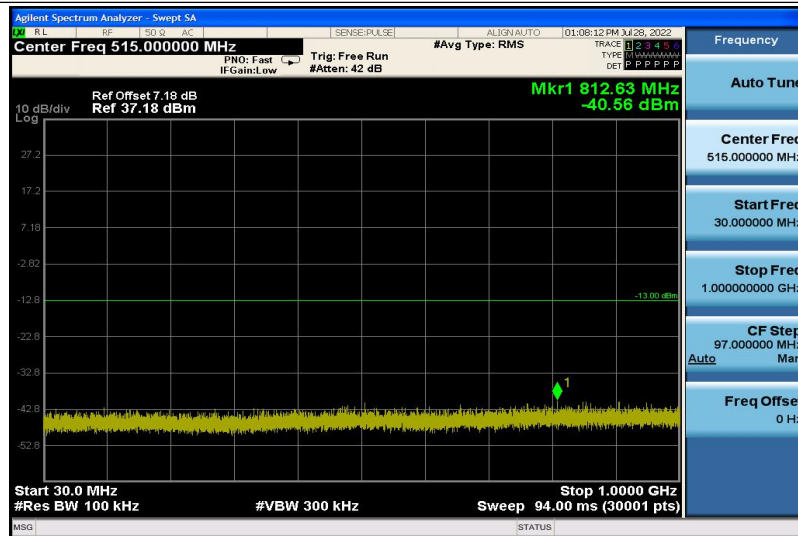
GSM1900-661-1000~20000



GSM1900-810-30~1000



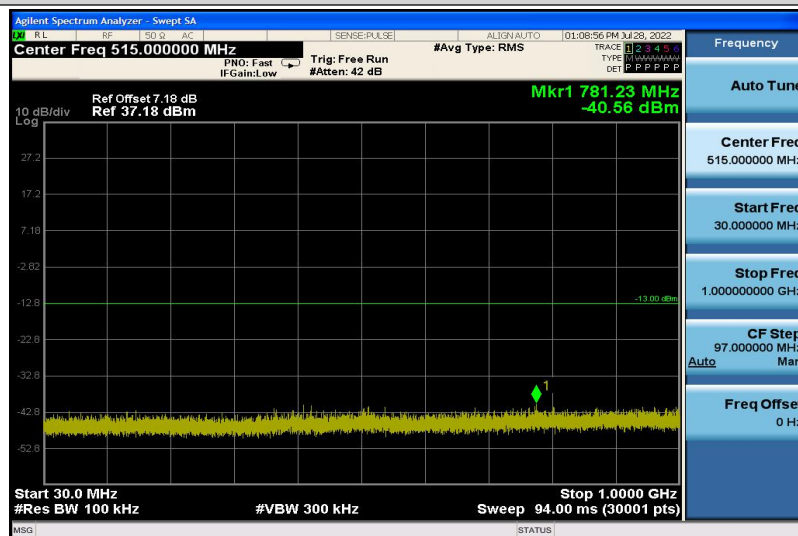
GSM1900-810-1000~20000



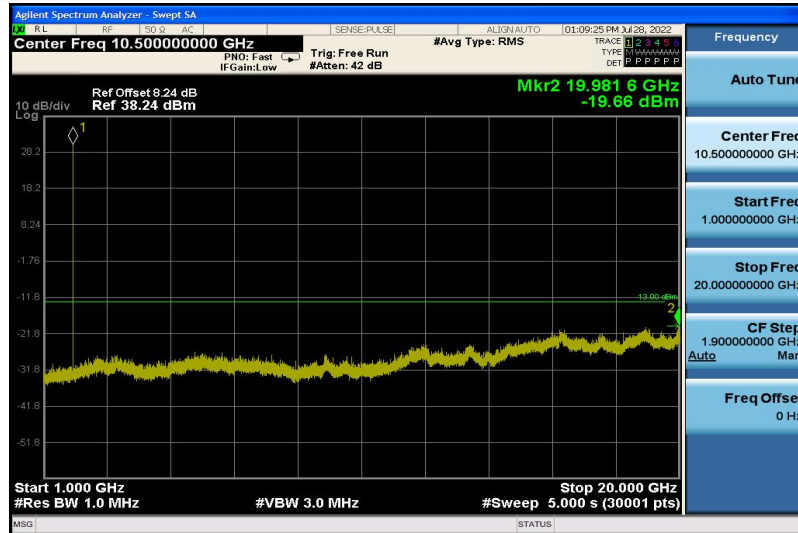
GPRS1900-512-30~1000



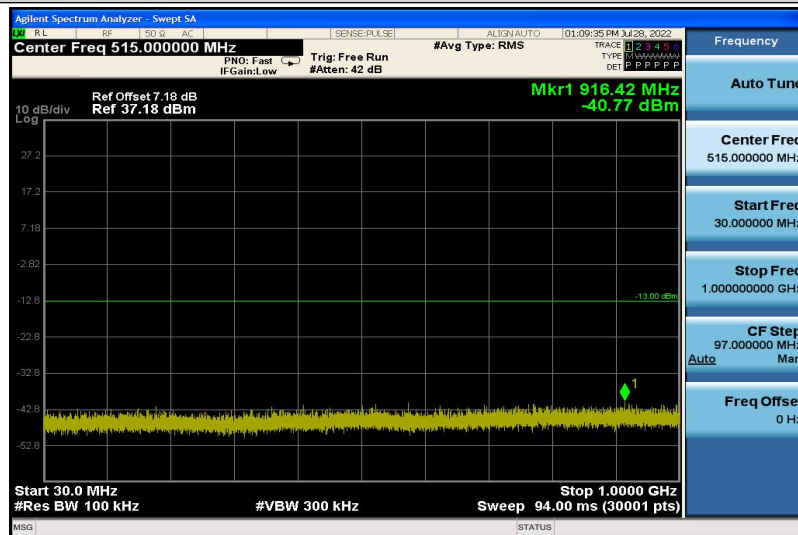
GPRS1900-512-1000~20000



GPRS1900-661-30~1000



GPRS1900-661-1000~20000



GPRS1900-810-30~1000



GPRS1900-810-1000~20000

8.6 Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	TN	6.49	0.007874	2.5	PASS
GSM850	128	VN	TN	7.85	0.009524	2.5	PASS
GSM850	128	VH	TN	5.65	0.006855	2.5	PASS
GSM850	190	VL	TN	12.27	0.014667	2.5	PASS
GSM850	190	VN	TN	10.04	0.012001	2.5	PASS
GSM850	190	VH	TN	5.94	0.007100	2.5	PASS
GSM850	251	VL	TN	13.56	0.015975	2.5	PASS
GSM850	251	VN	TN	6.75	0.007952	2.5	PASS
GSM850	251	VH	TN	10.59	0.012476	2.5	PASS
GPRS850	128	VL	TN	3.03	0.003676	2.5	PASS
GPRS850	128	VN	TN	9.94	0.012060	2.5	PASS
GPRS850	128	VH	TN	9.98	0.012109	2.5	PASS
GPRS850	190	VL	TN	6.78	0.008104	2.5	PASS
GPRS850	190	VN	TN	6.84	0.008176	2.5	PASS
GPRS850	190	VH	TN	8.20	0.009802	2.5	PASS
GPRS850	251	VL	TN	7.39	0.008706	2.5	PASS
GPRS850	251	VN	TN	8.23	0.009696	2.5	PASS
GPRS850	251	VH	TN	7.97	0.009390	2.5	PASS
GSM1900	512	VL	TN	19.34	0.010453	2.5	PASS
GSM1900	512	VN	TN	20.31	0.010977	2.5	PASS
GSM1900	512	VH	TN	27.41	0.014815	2.5	PASS
GSM1900	661	VL	TN	19.92	0.010596	2.5	PASS
GSM1900	661	VN	TN	28.64	0.015234	2.5	PASS
GSM1900	661	VH	TN	25.70	0.013670	2.5	PASS
GSM1900	810	VL	TN	25.80	0.013509	2.5	PASS
GSM1900	810	VN	TN	27.99	0.014656	2.5	PASS
GSM1900	810	VH	TN	31.03	0.016248	2.5	PASS
GPRS1900	512	VL	TN	26.67	0.014415	2.5	PASS
GPRS1900	512	VN	TN	31.35	0.016944	2.5	PASS
GPRS1900	512	VH	TN	35.00	0.018917	2.5	PASS
GPRS1900	661	VL	TN	34.00	0.018085	2.5	PASS
GPRS1900	661	VN	TN	25.80	0.013723	2.5	PASS
GPRS1900	661	VH	TN	26.80	0.014255	2.5	PASS
GPRS1900	810	VL	TN	27.86	0.014588	2.5	PASS
GPRS1900	810	VN	TN	19.31	0.010111	2.5	PASS

GPRS1900	810	VH	TN	34.16	0.017887	2.5	PASS
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Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	-30	8.10	0.009828	2.5	PASS
GSM850	128	VN	-20	8.17	0.009913	2.5	PASS
GSM850	128	VN	-10	9.49	0.011514	2.5	PASS
GSM850	128	VN	0	6.20	0.007522	2.5	PASS
GSM850	128	VN	10	2.49	0.003021	2.5	PASS
GSM850	128	VN	20	6.26	0.007595	2.5	PASS
GSM850	128	VN	30	2.42	0.002936	2.5	PASS
GSM850	128	VN	40	6.42	0.007789	2.5	PASS
GSM850	128	VN	50	4.10	0.004975	2.5	PASS
GSM850	190	VN	-30	9.88	0.011810	2.5	PASS
GSM850	190	VN	-20	8.88	0.010614	2.5	PASS
GSM850	190	VN	-10	9.04	0.010806	2.5	PASS
GSM850	190	VN	0	11.43	0.013662	2.5	PASS
GSM850	190	VN	10	8.98	0.010734	2.5	PASS
GSM850	190	VN	20	6.33	0.007566	2.5	PASS
GSM850	190	VN	30	12.59	0.015049	2.5	PASS
GSM850	190	VN	40	9.62	0.011499	2.5	PASS
GSM850	190	VN	50	7.68	0.009180	2.5	PASS
GSM850	251	VN	-30	6.13	0.007222	2.5	PASS
GSM850	251	VN	-20	9.85	0.011605	2.5	PASS
GSM850	251	VN	-10	8.27	0.009743	2.5	PASS
GSM850	251	VN	0	4.58	0.005396	2.5	PASS
GSM850	251	VN	10	10.07	0.011864	2.5	PASS
GSM850	251	VN	20	8.14	0.009590	2.5	PASS
GSM850	251	VN	30	5.36	0.006315	2.5	PASS
GSM850	251	VN	40	10.40	0.012253	2.5	PASS
GSM850	251	VN	50	7.94	0.009354	2.5	PASS
GPRS850	128	VN	-30	8.65	0.010495	2.5	PASS
GPRS850	128	VN	-20	7.26	0.008809	2.5	PASS
GPRS850	128	VN	-10	11.01	0.013358	2.5	PASS
GPRS850	128	VN	0	5.36	0.006503	2.5	PASS
GPRS850	128	VN	10	2.58	0.003130	2.5	PASS
GPRS850	128	VN	20	13.17	0.015979	2.5	PASS
GPRS850	128	VN	30	14.01	0.016998	2.5	PASS
GPRS850	128	VN	40	14.98	0.018175	2.5	PASS
GPRS850	128	VN	50	13.82	0.016768	2.5	PASS
GPRS850	190	VN	-30	4.20	0.005020	2.5	PASS
GPRS850	190	VN	-20	1.81	0.002164	2.5	PASS

GPRS850	190	VN	-10	6.75	0.008068	2.5	PASS
GPRS850	190	VN	0	7.49	0.008953	2.5	PASS
GPRS850	190	VN	10	4.07	0.004865	2.5	PASS
GPRS850	190	VN	20	14.11	0.016866	2.5	PASS
GPRS850	190	VN	30	15.30	0.018288	2.5	PASS
GPRS850	190	VN	40	9.62	0.011499	2.5	PASS
GPRS850	190	VN	50	17.21	0.020571	2.5	PASS
GPRS850	251	VN	-30	8.17	0.009625	2.5	PASS
GPRS850	251	VN	-20	9.49	0.011180	2.5	PASS
GPRS850	251	VN	-10	9.85	0.011605	2.5	PASS
GPRS850	251	VN	0	41.04	0.048351	2.5	PASS
GPRS850	251	VN	10	11.72	0.013808	2.5	PASS
GPRS850	251	VN	20	13.46	0.015858	2.5	PASS
GPRS850	251	VN	30	12.43	0.014644	2.5	PASS
GPRS850	251	VN	40	6.17	0.007269	2.5	PASS
GPRS850	251	VN	50	6.91	0.008141	2.5	PASS
GSM1900	512	VN	-30	29.67	0.016036	2.5	PASS
GSM1900	512	VN	-20	21.24	0.011480	2.5	PASS
GSM1900	512	VN	-10	28.57	0.015442	2.5	PASS
GSM1900	512	VN	0	20.05	0.010837	2.5	PASS
GSM1900	512	VN	10	9.59	0.005183	2.5	PASS
GSM1900	512	VN	20	19.02	0.010280	2.5	PASS
GSM1900	512	VN	30	25.38	0.013717	2.5	PASS
GSM1900	512	VN	40	15.17	0.008199	2.5	PASS
GSM1900	512	VN	50	22.79	0.012318	2.5	PASS
GSM1900	661	VN	-30	20.15	0.010718	2.5	PASS
GSM1900	661	VN	-20	22.60	0.012021	2.5	PASS
GSM1900	661	VN	-10	28.31	0.015059	2.5	PASS
GSM1900	661	VN	0	26.41	0.014048	2.5	PASS
GSM1900	661	VN	10	17.56	0.009340	2.5	PASS
GSM1900	661	VN	20	27.25	0.014495	2.5	PASS
GSM1900	661	VN	30	19.98	0.010628	2.5	PASS
GSM1900	661	VN	40	11.33	0.006027	2.5	PASS
GSM1900	661	VN	50	20.86	0.011096	2.5	PASS
GSM1900	810	VN	-30	24.44	0.012797	2.5	PASS
GSM1900	810	VN	-20	20.86	0.010923	2.5	PASS
GSM1900	810	VN	-10	23.21	0.012153	2.5	PASS
GSM1900	810	VN	0	40.26	0.021081	2.5	PASS
GSM1900	810	VN	10	15.50	0.008116	2.5	PASS
GSM1900	810	VN	20	26.73	0.013996	2.5	PASS
GSM1900	810	VN	30	20.50	0.010734	2.5	PASS
GSM1900	810	VN	40	28.44	0.014892	2.5	PASS
GSM1900	810	VN	50	20.50	0.010734	2.5	PASS

GPRS1900	512	VN	-30	30.83	0.016663	2.5	PASS
GPRS1900	512	VN	-20	21.57	0.011658	2.5	PASS
GPRS1900	512	VN	-10	22.96	0.012409	2.5	PASS
GPRS1900	512	VN	0	34.77	0.018793	2.5	PASS
GPRS1900	512	VN	10	20.57	0.011118	2.5	PASS
GPRS1900	512	VN	20	20.60	0.011134	2.5	PASS
GPRS1900	512	VN	30	30.41	0.016436	2.5	PASS
GPRS1900	512	VN	40	39.20	0.021187	2.5	PASS
GPRS1900	512	VN	50	30.12	0.016279	2.5	PASS
GPRS1900	661	VN	-30	31.38	0.016691	2.5	PASS
GPRS1900	661	VN	-20	32.61	0.017346	2.5	PASS
GPRS1900	661	VN	-10	25.38	0.013500	2.5	PASS
GPRS1900	661	VN	0	25.67	0.013654	2.5	PASS
GPRS1900	661	VN	10	27.83	0.014803	2.5	PASS
GPRS1900	661	VN	20	27.18	0.014457	2.5	PASS
GPRS1900	661	VN	30	27.89	0.014835	2.5	PASS
GPRS1900	661	VN	40	28.70	0.015266	2.5	PASS
GPRS1900	661	VN	50	27.22	0.014479	2.5	PASS
GPRS1900	810	VN	-30	21.41	0.011211	2.5	PASS
GPRS1900	810	VN	-20	31.41	0.016447	2.5	PASS
GPRS1900	810	VN	-10	30.03	0.015724	2.5	PASS
GPRS1900	810	VN	0	22.21	0.011629	2.5	PASS
GPRS1900	810	VN	10	30.25	0.015839	2.5	PASS
GPRS1900	810	VN	20	29.28	0.015331	2.5	PASS
GPRS1900	810	VN	30	28.09	0.014708	2.5	PASS
GPRS1900	810	VN	40	25.67	0.013441	2.5	PASS
GPRS1900	810	VN	50	25.63	0.013420	2.5	PASS

8.7 Appendix G: ERP and EIRP

Test Result

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	ERP		Limit (W)	Verdict
				(dBm)	(W)		
GSM850	GSM	32.48	0.63	30.96	1.2474	7	PASS
	GPRS	32.50	0.63	30.98	1.2531	7	PASS

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP		Limit (W)	Verdict
				(dBm)	(W)		
GSM1900	GSM	29.45	0.86	30.31	1.0740	2	PASS
	GPRS	29.33	0.86	30.19	1.0447	2	PASS

-----End of the Report -----