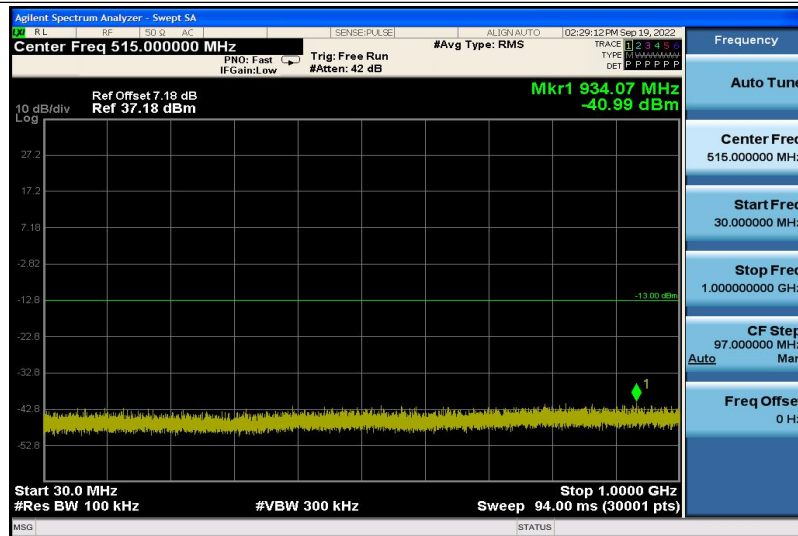
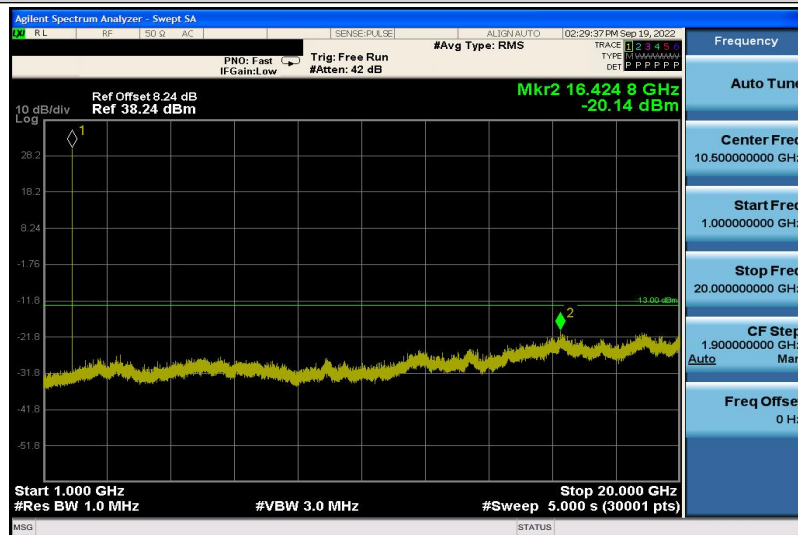
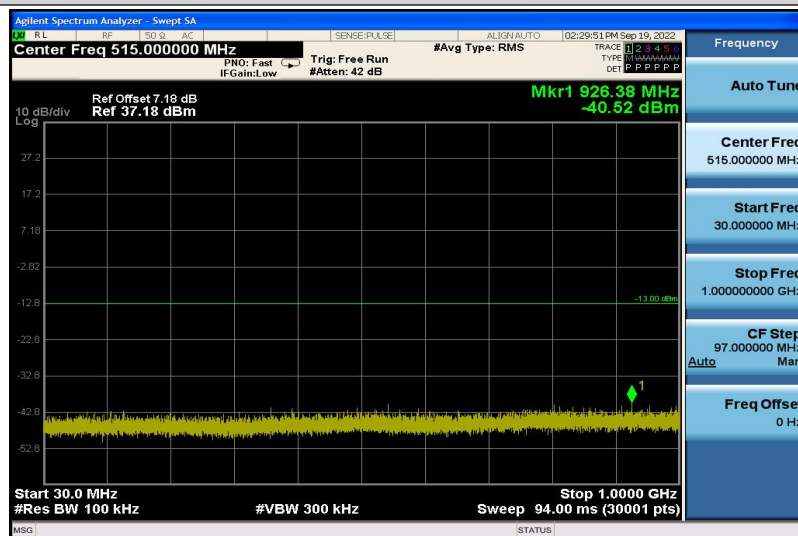




GSM1900-512-30~1000



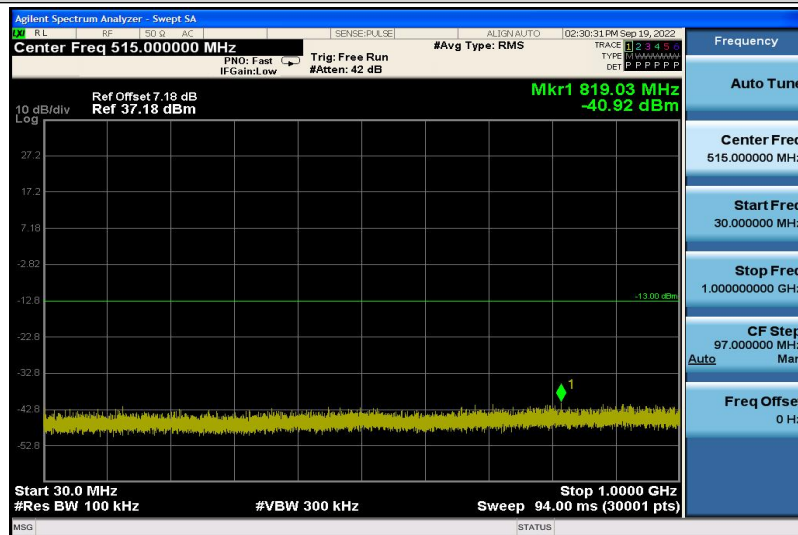
GSM1900-512-1000~20000



GSM1900-661-30~1000



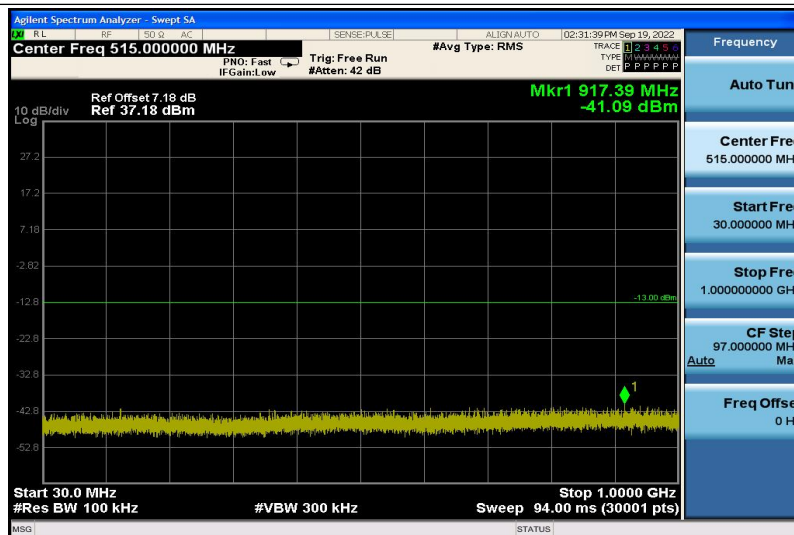
GSM1900-661-1000~20000



GSM1900-810-30~1000



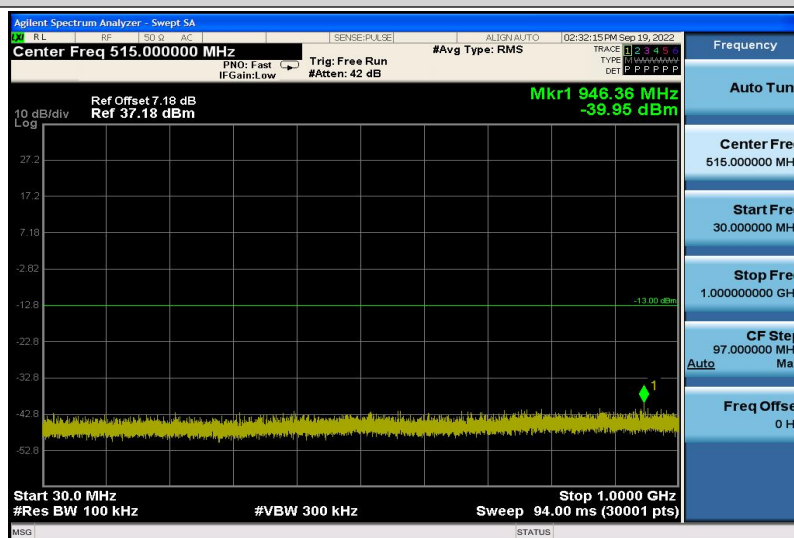
GSM1900-810-1000~20000



GPRS1900-512-30~1000



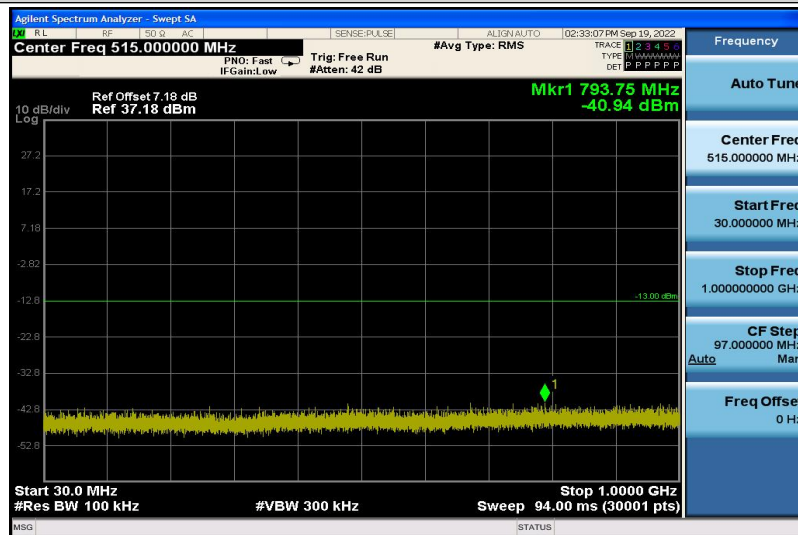
GPRS1900-512-1000~20000



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	15.46	0.018758	2.5	PASS
GSM850	128	VN	TN	44.68	0.054210	2.5	PASS
GSM850	128	VH	TN	15.85	0.019231	2.5	PASS
GSM850	190	VL	TN	12.33	0.014738	2.5	PASS
GSM850	190	VN	TN	29.41	0.035154	2.5	PASS
GSM850	190	VH	TN	24.25	0.028986	2.5	PASS
GSM850	251	VL	TN	20.47	0.024116	2.5	PASS
GSM850	251	VN	TN	13.75	0.016199	2.5	PASS
GSM850	251	VH	TN	13.43	0.015822	2.5	PASS
GPRS850	128	VL	TN	17.69	0.021463	2.5	PASS
GPRS850	128	VN	TN	20.18	0.024484	2.5	PASS
GPRS850	128	VH	TN	18.27	0.022167	2.5	PASS
GPRS850	190	VL	TN	17.79	0.021265	2.5	PASS
GPRS850	190	VN	TN	17.82	0.021301	2.5	PASS
GPRS850	190	VH	TN	15.95	0.019065	2.5	PASS
GPRS850	251	VL	TN	18.14	0.021371	2.5	PASS
GPRS850	251	VN	TN	18.11	0.021336	2.5	PASS
GPRS850	251	VH	TN	17.89	0.021077	2.5	PASS
GSM1900	512	VL	TN	0.84	0.000454	2.5	PASS
GSM1900	512	VN	TN	10.65	0.005756	2.5	PASS
GSM1900	512	VH	TN	-5.00	-0.002702	2.5	PASS
GSM1900	661	VL	TN	26.96	0.014340	2.5	PASS
GSM1900	661	VN	TN	12.40	0.006596	2.5	PASS
GSM1900	661	VH	TN	26.51	0.014101	2.5	PASS
GSM1900	810	VL	TN	13.50	0.007069	2.5	PASS
GSM1900	810	VN	TN	1.61	0.000843	2.5	PASS
GSM1900	810	VH	TN	22.12	0.011582	2.5	PASS
GPRS1900	512	VL	TN	16.11	0.008707	2.5	PASS
GPRS1900	512	VN	TN	16.30	0.008810	2.5	PASS
GPRS1900	512	VH	TN	13.69	0.007399	2.5	PASS
GPRS1900	661	VL	TN	15.01	0.007984	2.5	PASS
GPRS1900	661	VN	TN	14.21	0.007559	2.5	PASS
GPRS1900	661	VH	TN	13.72	0.007298	2.5	PASS
GPRS1900	810	VL	TN	13.24	0.006933	2.5	PASS
GPRS1900	810	VN	TN	15.05	0.007880	2.5	PASS

GPRS1900	810	VH	TN	16.01	0.008383	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	21.15	0.025661	2.5	PASS
GSM850	128	VN	-20	21.34	0.025892	2.5	PASS
GSM850	128	VN	-10	30.09	0.036508	2.5	PASS
GSM850	128	VN	0	24.21	0.029374	2.5	PASS
GSM850	128	VN	10	32.12	0.038971	2.5	PASS
GSM850	128	VN	20	17.40	0.021111	2.5	PASS
GSM850	128	VN	30	15.79	0.019158	2.5	PASS
GSM850	128	VN	40	21.95	0.026632	2.5	PASS
GSM850	128	VN	50	17.50	0.021233	2.5	PASS
GSM850	190	VN	-30	40.81	0.048781	2.5	PASS
GSM850	190	VN	-20	17.24	0.020607	2.5	PASS
GSM850	190	VN	-10	32.19	0.038477	2.5	PASS
GSM850	190	VN	0	4.97	0.005941	2.5	PASS
GSM850	190	VN	10	28.54	0.034114	2.5	PASS
GSM850	190	VN	20	26.80	0.032034	2.5	PASS
GSM850	190	VN	30	26.35	0.031497	2.5	PASS
GSM850	190	VN	40	14.72	0.017595	2.5	PASS
GSM850	190	VN	50	24.60	0.029405	2.5	PASS
GSM850	251	VN	-30	22.41	0.026402	2.5	PASS
GSM850	251	VN	-20	23.60	0.027804	2.5	PASS
GSM850	251	VN	-10	13.62	0.016046	2.5	PASS
GSM850	251	VN	0	21.18	0.024953	2.5	PASS
GSM850	251	VN	10	19.66	0.023162	2.5	PASS
GSM850	251	VN	20	19.79	0.023315	2.5	PASS
GSM850	251	VN	30	13.92	0.016400	2.5	PASS
GSM850	251	VN	40	28.44	0.033506	2.5	PASS
GSM850	251	VN	50	22.44	0.026437	2.5	PASS
GPRS850	128	VN	-30	18.05	0.021900	2.5	PASS
GPRS850	128	VN	-20	18.27	0.022167	2.5	PASS
GPRS850	128	VN	-10	17.85	0.021657	2.5	PASS
GPRS850	128	VN	0	18.73	0.022725	2.5	PASS
GPRS850	128	VN	10	19.24	0.023344	2.5	PASS
GPRS850	128	VN	20	18.89	0.022919	2.5	PASS
GPRS850	128	VN	30	18.63	0.022604	2.5	PASS
GPRS850	128	VN	40	19.05	0.023113	2.5	PASS
GPRS850	128	VN	50	20.53	0.024909	2.5	PASS
GPRS850	190	VN	-30	17.05	0.020380	2.5	PASS
GPRS850	190	VN	-20	15.56	0.018599	2.5	PASS

GPRS850	190	VN	-10	16.50	0.019723	2.5	PASS
GPRS850	190	VN	0	17.95	0.021456	2.5	PASS
GPRS850	190	VN	10	16.89	0.020189	2.5	PASS
GPRS850	190	VN	20	15.98	0.019101	2.5	PASS
GPRS850	190	VN	30	15.88	0.018982	2.5	PASS
GPRS850	190	VN	40	17.72	0.021181	2.5	PASS
GPRS850	190	VN	50	16.59	0.019830	2.5	PASS
GPRS850	251	VN	-30	19.15	0.022561	2.5	PASS
GPRS850	251	VN	-20	18.95	0.022326	2.5	PASS
GPRS850	251	VN	-10	17.14	0.020193	2.5	PASS
GPRS850	251	VN	0	17.69	0.020841	2.5	PASS
GPRS850	251	VN	10	18.85	0.022208	2.5	PASS
GPRS850	251	VN	20	17.53	0.020653	2.5	PASS
GPRS850	251	VN	30	17.08	0.020123	2.5	PASS
GPRS850	251	VN	40	16.98	0.020005	2.5	PASS
GPRS850	251	VN	50	17.76	0.020924	2.5	PASS
GSM1900	512	VN	-30	31.12	0.016820	2.5	PASS
GSM1900	512	VN	-20	3.81	0.002059	2.5	PASS
GSM1900	512	VN	-10	5.52	0.002983	2.5	PASS
GSM1900	512	VN	0	19.60	0.010593	2.5	PASS
GSM1900	512	VN	10	38.23	0.020663	2.5	PASS
GSM1900	512	VN	20	33.38	0.018041	2.5	PASS
GSM1900	512	VN	30	-4.91	-0.002654	2.5	PASS
GSM1900	512	VN	40	15.56	0.008410	2.5	PASS
GSM1900	512	VN	50	6.42	0.003470	2.5	PASS
GSM1900	661	VN	-30	46.27	0.024612	2.5	PASS
GSM1900	661	VN	-20	12.17	0.006473	2.5	PASS
GSM1900	661	VN	-10	36.22	0.019266	2.5	PASS
GSM1900	661	VN	0	13.08	0.006957	2.5	PASS
GSM1900	661	VN	10	24.34	0.012947	2.5	PASS
GSM1900	661	VN	20	6.30	0.003351	2.5	PASS
GSM1900	661	VN	30	34.90	0.018564	2.5	PASS
GSM1900	661	VN	40	23.15	0.012314	2.5	PASS
GSM1900	661	VN	50	26.12	0.013894	2.5	PASS
GSM1900	810	VN	-30	7.59	0.003974	2.5	PASS
GSM1900	810	VN	-20	1.78	0.000932	2.5	PASS
GSM1900	810	VN	-10	9.88	0.005173	2.5	PASS
GSM1900	810	VN	0	19.40	0.010158	2.5	PASS
GSM1900	810	VN	10	16.53	0.008655	2.5	PASS
GSM1900	810	VN	20	5.62	0.002943	2.5	PASS
GSM1900	810	VN	30	40.29	0.021096	2.5	PASS
GSM1900	810	VN	40	-17.47	-0.009148	2.5	PASS
GSM1900	810	VN	50	14.50	0.007592	2.5	PASS

GPRS1900	512	VN	-30	17.47	0.009442	2.5	PASS
GPRS1900	512	VN	-20	13.69	0.007399	2.5	PASS
GPRS1900	512	VN	-10	15.40	0.008323	2.5	PASS
GPRS1900	512	VN	0	13.46	0.007275	2.5	PASS
GPRS1900	512	VN	10	14.04	0.007588	2.5	PASS
GPRS1900	512	VN	20	12.46	0.006734	2.5	PASS
GPRS1900	512	VN	30	17.24	0.009318	2.5	PASS
GPRS1900	512	VN	40	14.33	0.007745	2.5	PASS
GPRS1900	512	VN	50	16.63	0.008988	2.5	PASS
GPRS1900	661	VN	-30	13.62	0.007245	2.5	PASS
GPRS1900	661	VN	-20	17.21	0.009154	2.5	PASS
GPRS1900	661	VN	-10	12.59	0.006697	2.5	PASS
GPRS1900	661	VN	0	12.33	0.006559	2.5	PASS
GPRS1900	661	VN	10	12.95	0.006888	2.5	PASS
GPRS1900	661	VN	20	13.79	0.007335	2.5	PASS
GPRS1900	661	VN	30	13.01	0.006920	2.5	PASS
GPRS1900	661	VN	40	11.17	0.005941	2.5	PASS
GPRS1900	661	VN	50	15.46	0.008223	2.5	PASS
GPRS1900	810	VN	-30	13.75	0.007200	2.5	PASS
GPRS1900	810	VN	-20	16.21	0.008488	2.5	PASS
GPRS1900	810	VN	-10	17.05	0.008928	2.5	PASS
GPRS1900	810	VN	0	14.63	0.007660	2.5	PASS
GPRS1900	810	VN	10	13.66	0.007153	2.5	PASS
GPRS1900	810	VN	20	16.24	0.008504	2.5	PASS
GPRS1900	810	VN	30	13.59	0.007116	2.5	PASS
GPRS1900	810	VN	40	17.05	0.008928	2.5	PASS
GPRS1900	810	VN	50	11.91	0.006236	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	33.70	-0.75	30.80	1.2023	7	PASS
	GPRS	34.29	-0.75	31.39	1.3772	7	PASS

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP		Limit (W)	Verdict
				(dBm)	(W)		
GSM1900	GSM	30.42	-0.50	29.92	0.9817	2	PASS
	GPRS	30.35	-0.50	29.85	0.9661	2	PASS

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