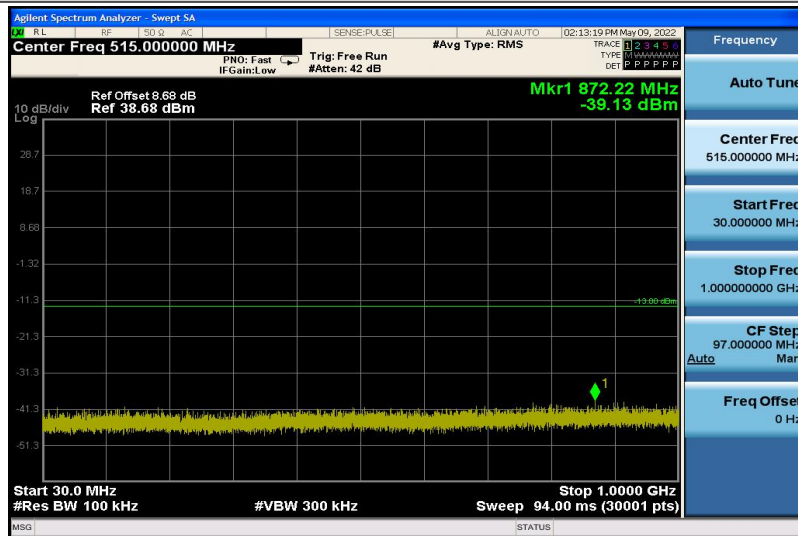


GSM1900-512-30~1000



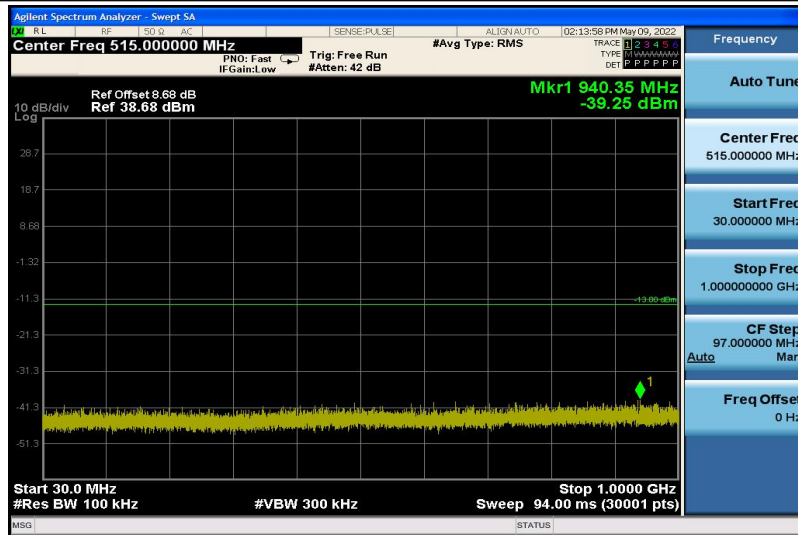
GSM1900-512-1000~20000



GSM1900-661-30~1000



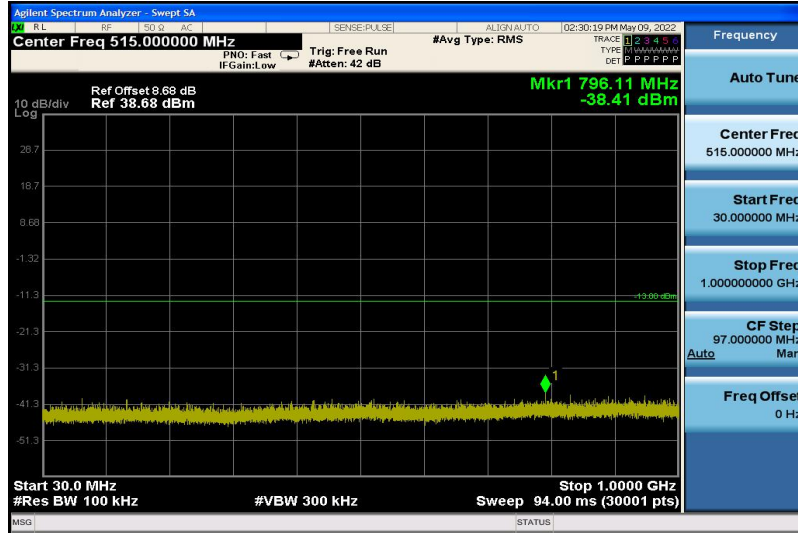
GSM1900-661-1000~20000



GSM1900-810-30~1000



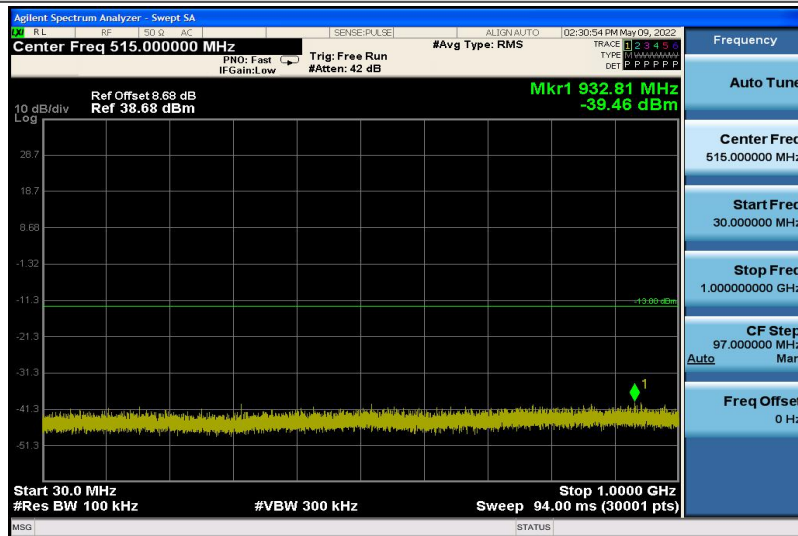
GSM1900-810-1000~20000



GPRS1900-512-30~1000



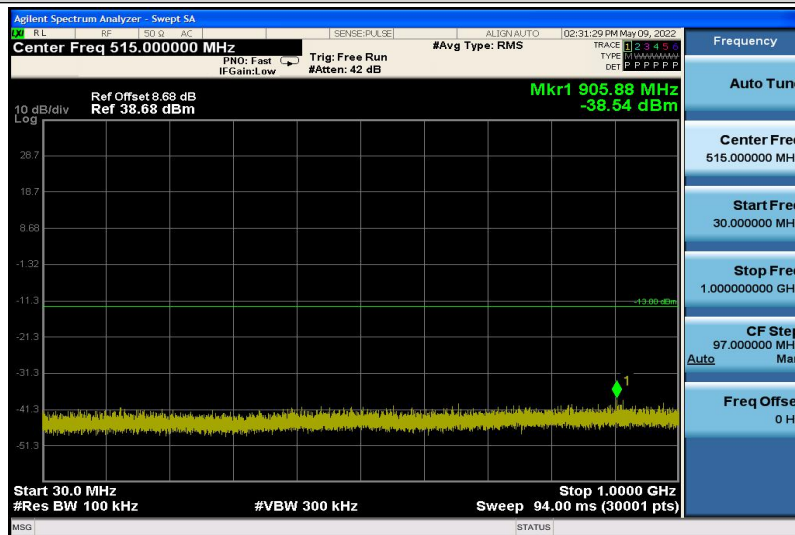
GPRS1900-512-1000~20000



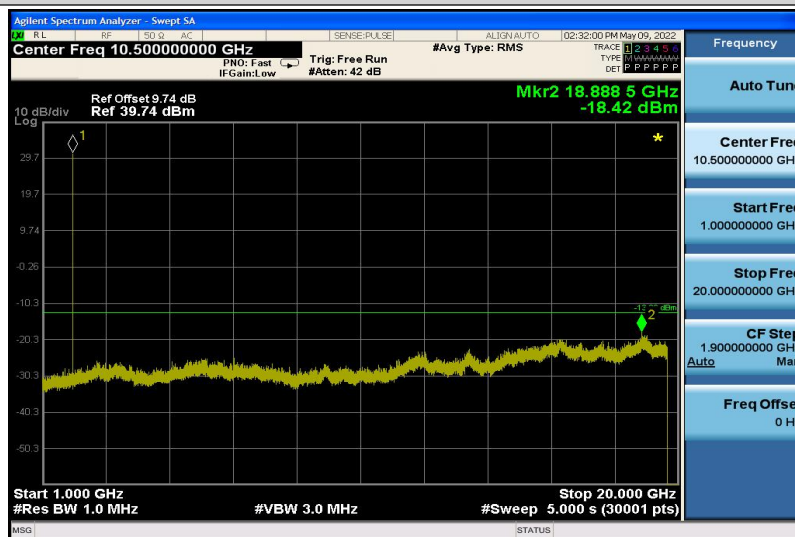
GPRS1900-661-30~1000



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	-4.84	-0.005872	2.5	PASS
GSM850	128	VN	TN	-5.26	-0.006382	2.5	PASS
GSM850	128	VH	TN	-0.45	-0.000546	2.5	PASS
GSM850	190	VL	TN	3.26	0.003897	2.5	PASS
GSM850	190	VN	TN	-1.61	-0.001924	2.5	PASS
GSM850	190	VH	TN	-8.14	-0.009730	2.5	PASS
GSM850	251	VL	TN	-4.42	-0.005207	2.5	PASS
GSM850	251	VN	TN	5.10	0.006008	2.5	PASS
GSM850	251	VH	TN	8.85	0.010426	2.5	PASS
GPRS850	128	VL	TN	-0.45	-0.000546	2.5	PASS
GPRS850	128	VN	TN	6.78	0.008226	2.5	PASS
GPRS850	128	VH	TN	5.23	0.006346	2.5	PASS
GPRS850	190	VL	TN	8.75	0.010459	2.5	PASS
GPRS850	190	VN	TN	-0.55	-0.000657	2.5	PASS
GPRS850	190	VH	TN	3.13	0.003741	2.5	PASS
GPRS850	251	VL	TN	-0.58	-0.000683	2.5	PASS
GPRS850	251	VN	TN	-2.81	-0.003311	2.5	PASS
GPRS850	251	VH	TN	-1.61	-0.001897	2.5	PASS
GSM1900	512	VL	TN	-3.97	-0.002146	2.5	PASS
GSM1900	512	VN	TN	-5.97	-0.003227	2.5	PASS
GSM1900	512	VH	TN	-6.94	-0.003751	2.5	PASS
GSM1900	661	VL	TN	-8.59	-0.004569	2.5	PASS
GSM1900	661	VN	TN	-8.59	-0.004569	2.5	PASS
GSM1900	661	VH	TN	-5.59	-0.002973	2.5	PASS
GSM1900	810	VL	TN	-9.30	-0.004870	2.5	PASS
GSM1900	810	VN	TN	-6.55	-0.003430	2.5	PASS
GSM1900	810	VH	TN	7.43	0.003890	2.5	PASS
GPRS1900	512	VL	TN	3.78	0.002043	2.5	PASS
GPRS1900	512	VN	TN	3.84	0.002075	2.5	PASS
GPRS1900	512	VH	TN	-8.17	-0.004416	2.5	PASS
GPRS1900	661	VL	TN	-5.55	-0.002952	2.5	PASS
GPRS1900	661	VN	TN	1.58	0.000840	2.5	PASS
GPRS1900	661	VH	TN	3.45	0.001835	2.5	PASS
GPRS1900	810	VL	TN	9.36	0.004901	2.5	PASS
GPRS1900	810	VN	TN	1.58	0.000827	2.5	PASS

GPRS1900	810	VH	TN	2.91	0.001524	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	-9.49	-0.011514	2.5	PASS
GSM850	128	VN	-20	10.65	0.012922	2.5	PASS
GSM850	128	VN	-10	-0.65	-0.000789	2.5	PASS
GSM850	128	VN	0	1.81	0.002196	2.5	PASS
GSM850	128	VN	10	-1.55	-0.001881	2.5	PASS
GSM850	128	VN	20	-0.32	-0.000388	2.5	PASS
GSM850	128	VN	30	-4.33	-0.005254	2.5	PASS
GSM850	128	VN	40	-1.00	-0.001213	2.5	PASS
GSM850	128	VN	50	1.29	0.001565	2.5	PASS
GSM850	190	VN	-30	-16.14	-0.019292	2.5	PASS
GSM850	190	VN	-20	-8.01	-0.009574	2.5	PASS
GSM850	190	VN	-10	-5.78	-0.006909	2.5	PASS
GSM850	190	VN	0	-2.87	-0.003431	2.5	PASS
GSM850	190	VN	10	-6.75	-0.008068	2.5	PASS
GSM850	190	VN	20	-3.68	-0.004399	2.5	PASS
GSM850	190	VN	30	-2.74	-0.003275	2.5	PASS
GSM850	190	VN	40	-0.97	-0.001159	2.5	PASS
GSM850	190	VN	50	-7.49	-0.008953	2.5	PASS
GSM850	251	VN	-30	6.01	0.007081	2.5	PASS
GSM850	251	VN	-20	5.78	0.006810	2.5	PASS
GSM850	251	VN	-10	-2.32	-0.002733	2.5	PASS
GSM850	251	VN	0	-5.81	-0.006845	2.5	PASS
GSM850	251	VN	10	-0.81	-0.000954	2.5	PASS
GSM850	251	VN	20	-1.13	-0.001331	2.5	PASS
GSM850	251	VN	30	4.49	0.005290	2.5	PASS
GSM850	251	VN	40	-7.94	-0.009354	2.5	PASS
GSM850	251	VN	50	-4.10	-0.004830	2.5	PASS
GPRS850	128	VN	-30	5.26	0.006382	2.5	PASS
GPRS850	128	VN	-20	7.49	0.009088	2.5	PASS
GPRS850	128	VN	-10	1.49	0.001808	2.5	PASS
GPRS850	128	VN	0	1.87	0.002269	2.5	PASS
GPRS850	128	VN	10	5.39	0.006540	2.5	PASS
GPRS850	128	VN	20	8.72	0.010580	2.5	PASS
GPRS850	128	VN	30	4.94	0.005994	2.5	PASS
GPRS850	128	VN	40	4.94	0.005994	2.5	PASS
GPRS850	128	VN	50	6.10	0.007401	2.5	PASS
GPRS850	190	VN	-30	3.39	0.004052	2.5	PASS
GPRS850	190	VN	-20	-3.87	-0.004626	2.5	PASS



GPRS850	190	VN	-10	1.45	0.001733	2.5	PASS
GPRS850	190	VN	0	2.58	0.003084	2.5	PASS
GPRS850	190	VN	10	2.03	0.002426	2.5	PASS
GPRS850	190	VN	20	0.87	0.001040	2.5	PASS
GPRS850	190	VN	30	-2.45	-0.002929	2.5	PASS
GPRS850	190	VN	40	-1.78	-0.002128	2.5	PASS
GPRS850	190	VN	50	1.13	0.001351	2.5	PASS
GPRS850	251	VN	-30	0.42	0.000495	2.5	PASS
GPRS850	251	VN	-20	-1.00	-0.001178	2.5	PASS
GPRS850	251	VN	-10	-5.59	-0.006586	2.5	PASS
GPRS850	251	VN	0	-4.23	-0.004984	2.5	PASS
GPRS850	251	VN	10	-0.97	-0.001143	2.5	PASS
GPRS850	251	VN	20	-1.90	-0.002238	2.5	PASS
GPRS850	251	VN	30	5.52	0.006503	2.5	PASS
GPRS850	251	VN	40	-2.87	-0.003381	2.5	PASS
GPRS850	251	VN	50	-0.77	-0.000907	2.5	PASS
GSM1900	512	VN	-30	-10.88	-0.005880	2.5	PASS
GSM1900	512	VN	-20	0.03	0.000016	2.5	PASS
GSM1900	512	VN	-10	5.13	0.002773	2.5	PASS
GSM1900	512	VN	0	9.91	0.005356	2.5	PASS
GSM1900	512	VN	10	6.36	0.003437	2.5	PASS
GSM1900	512	VN	20	-4.39	-0.002373	2.5	PASS
GSM1900	512	VN	30	11.56	0.006248	2.5	PASS
GSM1900	512	VN	40	-1.16	-0.000627	2.5	PASS
GSM1900	512	VN	50	-13.24	-0.007156	2.5	PASS
GSM1900	661	VN	-30	3.94	0.002096	2.5	PASS
GSM1900	661	VN	-20	-6.72	-0.003574	2.5	PASS
GSM1900	661	VN	-10	-1.68	-0.000894	2.5	PASS
GSM1900	661	VN	0	-7.20	-0.003830	2.5	PASS
GSM1900	661	VN	10	2.42	0.001287	2.5	PASS
GSM1900	661	VN	20	5.26	0.002798	2.5	PASS
GSM1900	661	VN	30	-8.14	-0.004330	2.5	PASS
GSM1900	661	VN	40	-6.94	-0.003691	2.5	PASS
GSM1900	661	VN	50	-9.20	-0.004894	2.5	PASS
GSM1900	810	VN	-30	10.20	0.005341	2.5	PASS
GSM1900	810	VN	-20	15.46	0.008095	2.5	PASS
GSM1900	810	VN	-10	-0.65	-0.000340	2.5	PASS
GSM1900	810	VN	0	-1.55	-0.000812	2.5	PASS
GSM1900	810	VN	10	-3.20	-0.001676	2.5	PASS
GSM1900	810	VN	20	0.52	0.000272	2.5	PASS
GSM1900	810	VN	30	-3.13	-0.001639	2.5	PASS
GSM1900	810	VN	40	-5.04	-0.002639	2.5	PASS

GSM1900	810	VN	50	-4.36	-0.002283	2.5	PASS
GPRS1900	512	VN	-30	-4.16	-0.002248	2.5	PASS
GPRS1900	512	VN	-20	7.26	0.003924	2.5	PASS
GPRS1900	512	VN	-10	2.13	0.001151	2.5	PASS
GPRS1900	512	VN	0	0.48	0.000259	2.5	PASS
GPRS1900	512	VN	10	14.85	0.008026	2.5	PASS
GPRS1900	512	VN	20	12.66	0.006843	2.5	PASS
GPRS1900	512	VN	30	13.37	0.007226	2.5	PASS
GPRS1900	512	VN	40	12.62	0.006821	2.5	PASS
GPRS1900	512	VN	50	10.46	0.005653	2.5	PASS
GPRS1900	661	VN	-30	5.00	0.002660	2.5	PASS
GPRS1900	661	VN	-20	-6.30	-0.003351	2.5	PASS
GPRS1900	661	VN	-10	3.71	0.001973	2.5	PASS
GPRS1900	661	VN	0	-15.40	-0.008191	2.5	PASS
GPRS1900	661	VN	10	-1.23	-0.000654	2.5	PASS
GPRS1900	661	VN	20	-1.49	-0.000793	2.5	PASS
GPRS1900	661	VN	30	-7.39	-0.003931	2.5	PASS
GPRS1900	661	VN	40	1.55	0.000824	2.5	PASS
GPRS1900	661	VN	50	-1.90	-0.001011	2.5	PASS
GPRS1900	810	VN	-30	10.91	0.005713	2.5	PASS
GPRS1900	810	VN	-20	5.10	0.002670	2.5	PASS
GPRS1900	810	VN	-10	-4.36	-0.002283	2.5	PASS
GPRS1900	810	VN	0	17.85	0.009347	2.5	PASS
GPRS1900	810	VN	10	-2.65	-0.001388	2.5	PASS
GPRS1900	810	VN	20	7.23	0.003786	2.5	PASS
GPRS1900	810	VN	30	-8.04	-0.004210	2.5	PASS
GPRS1900	810	VN	40	16.53	0.008655	2.5	PASS
GPRS1900	810	VN	50	16.37	0.008572	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	33.29	-0.30	30.84	1.2134	7	PASS
	GPRS	32.90	-0.30	30.45	1.1092	7	PASS

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP		Limit (W)	Verdict
				(dBm)	(W)		
GSM1900	GSM	30.52	0.60	31.12	1.2942	2	PASS
	GPRS	30.49	0.60	31.09	1.2853	2	PASS

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