

APPENDIX REPORT

Appendix A: Conducted Output Power

Test Result

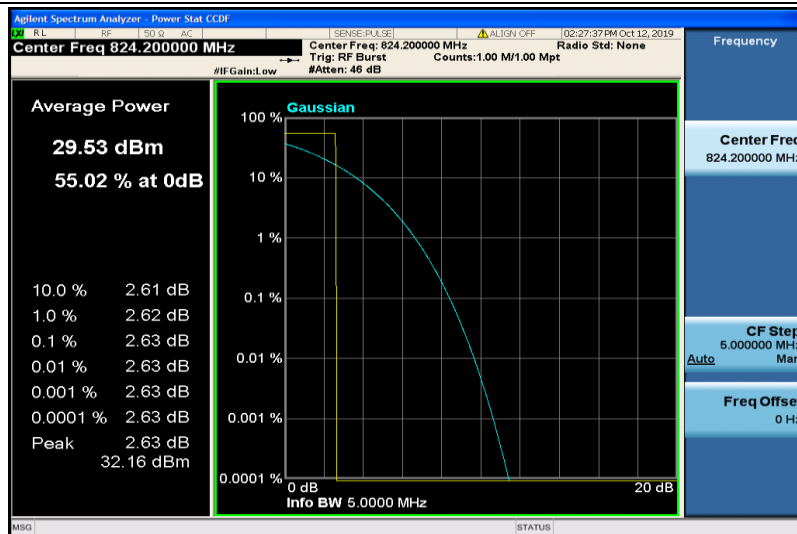
Band	Channel	PCL	Power(dBm)	Limit(dBm)	Verdict
GSM850	128	5	32.64	38.5	PASS
GSM850	190	5	32.77	38.5	PASS
GSM850	251	5	32.41	38.5	PASS
GSM1900	512	0	28.21	33	PASS
GSM1900	661	0	28.58	33	PASS
GSM1900	810	0	28.55	33	PASS

8.2 Appendix B: Peak-to-Average Ratio

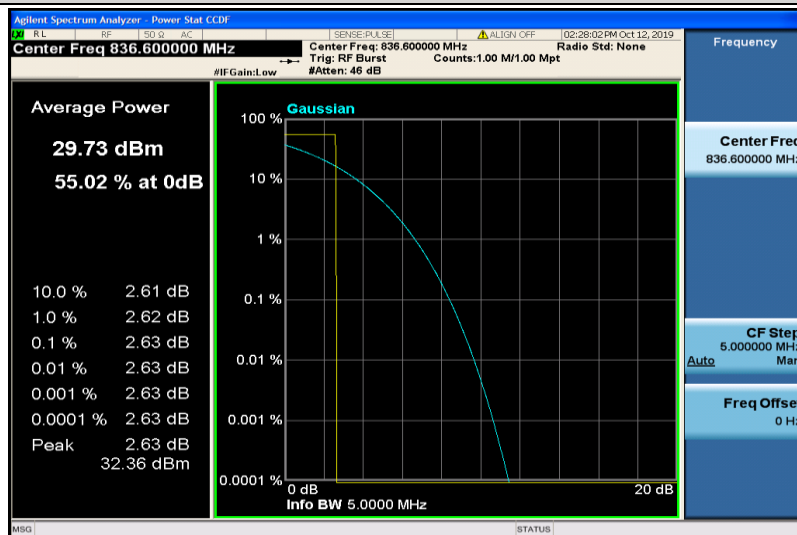
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
GSM850	128	2.63	13	PASS
GSM850	190	2.63	13	PASS
GSM850	251	2.63	13	PASS
GSM1900	512	2.63	13	PASS
GSM1900	661	2.64	13	PASS
GSM1900	810	2.64	13	PASS

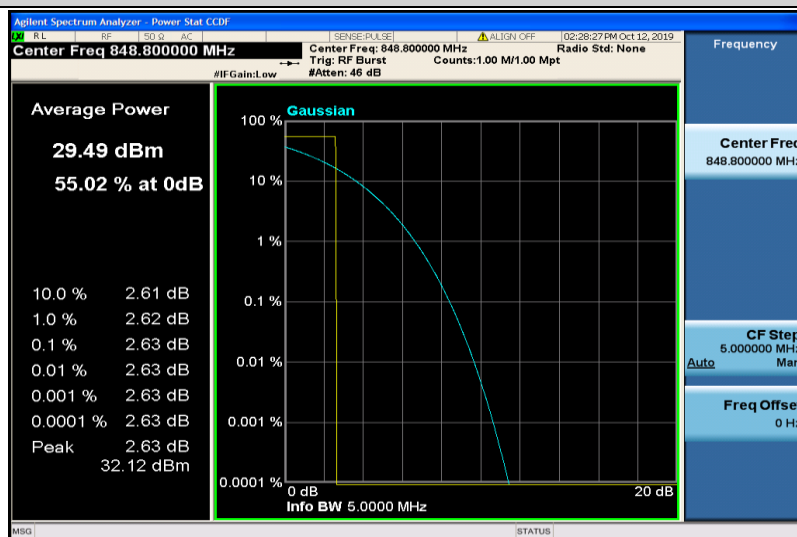
Test Graphs



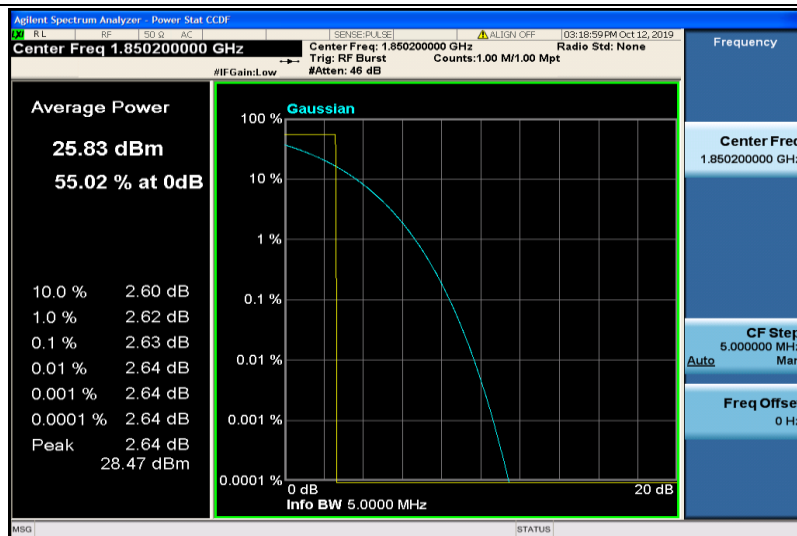
GSM850-128



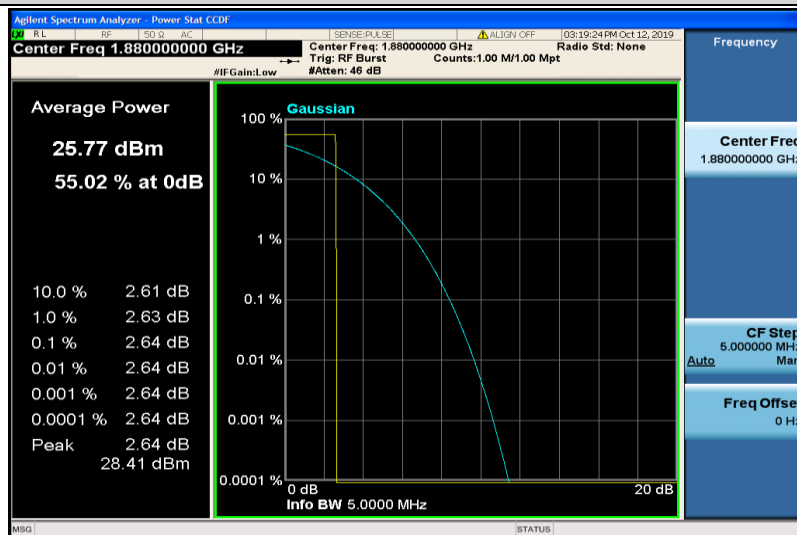
GSM850-190



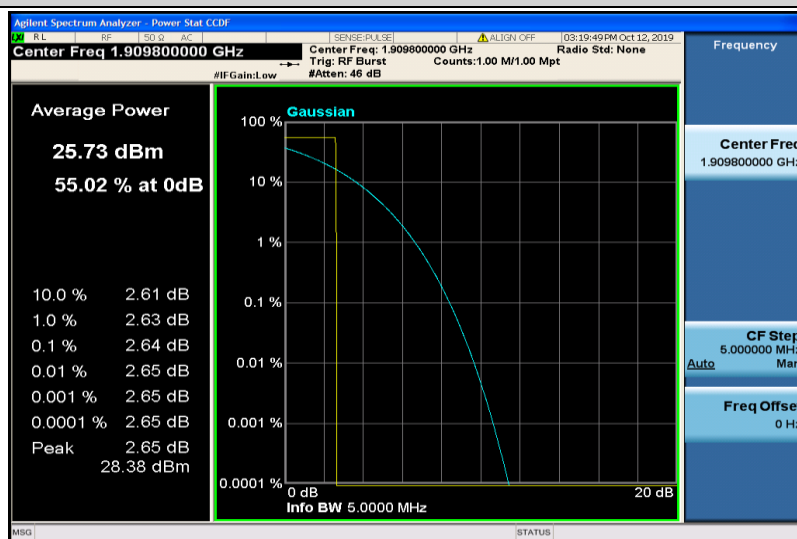
GSM850-251



GSM1900-512



GSM1900-661



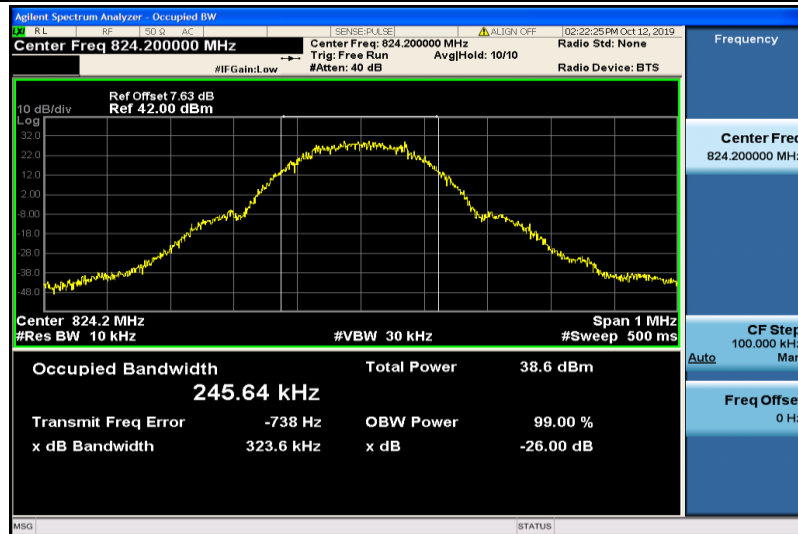
GSM1900-810

8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

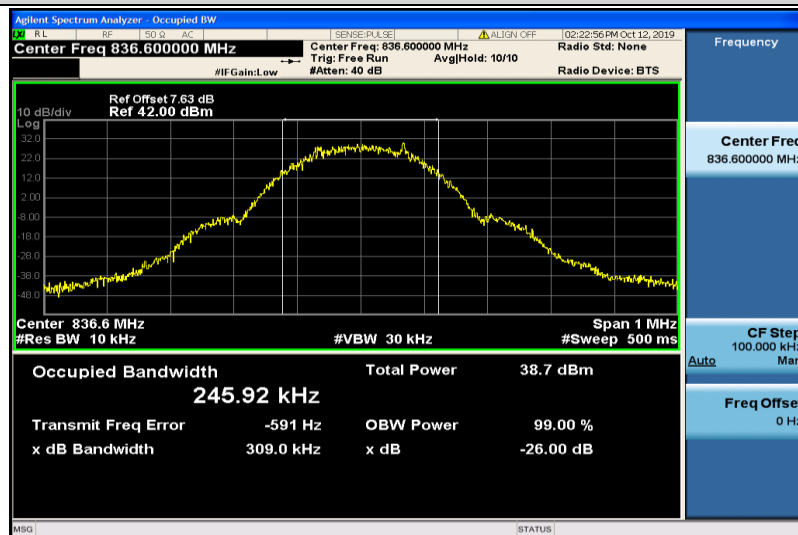
Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GSM850	128	245.64	323.6	---	PASS
GSM850	190	245.92	309.0	---	PASS
GSM850	251	243.04	313.1	---	PASS
GSM1900	512	243.82	316.8	---	PASS
GSM1900	661	244.63	314.7	---	PASS
GSM1900	810	246.74	314.8	---	PASS

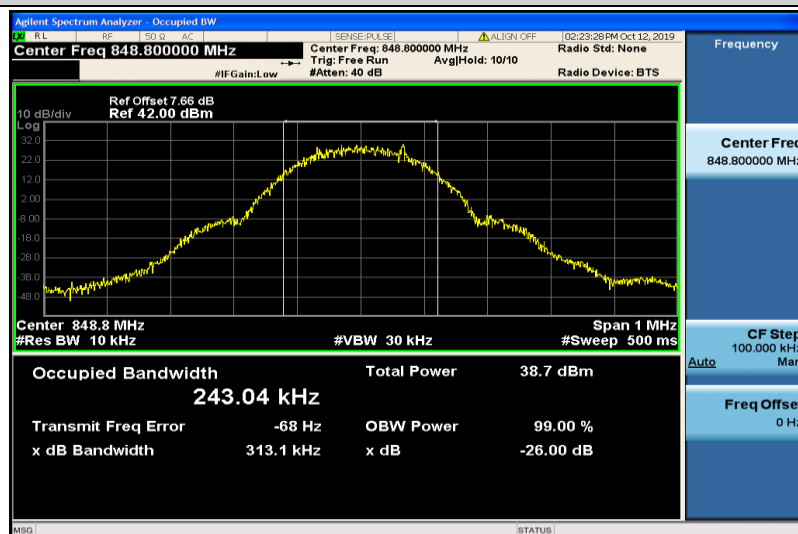
Test Graphs



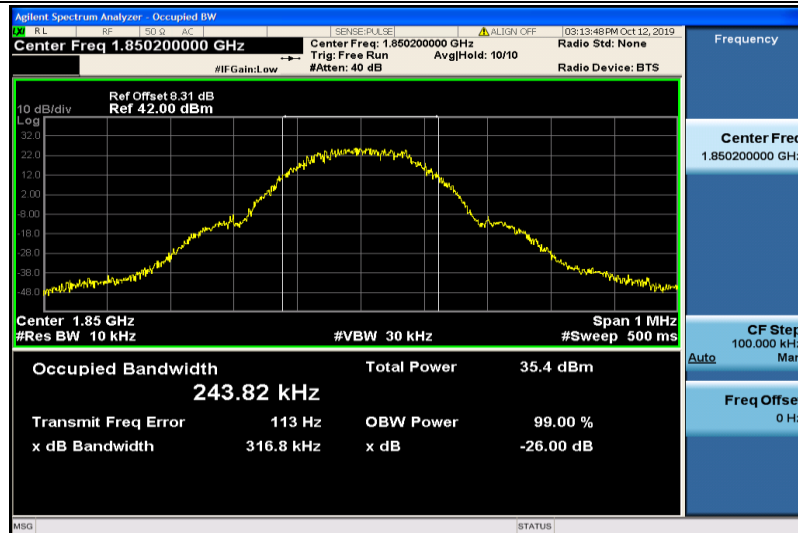
GSM850-128



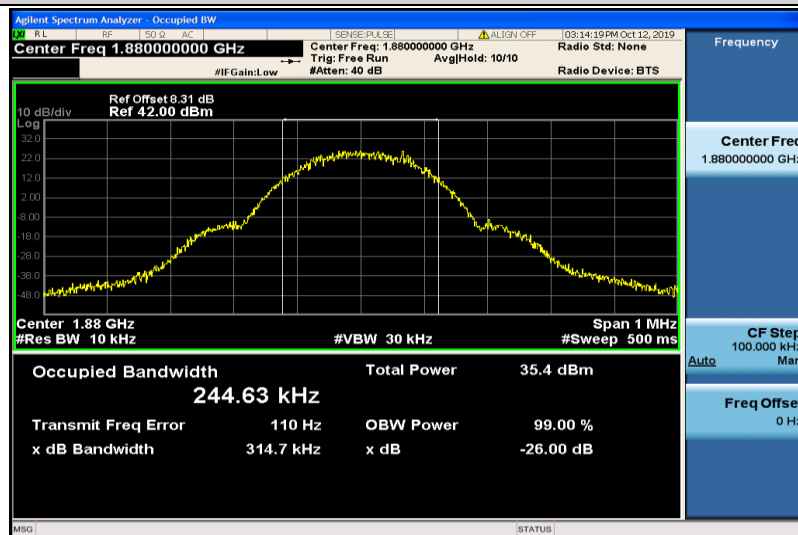
GSM850-190



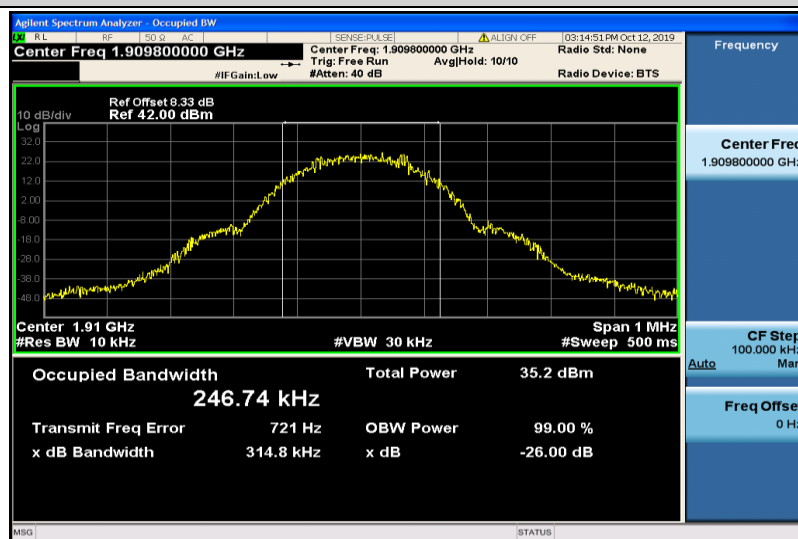
GSM850-251



GSM1900-512



GSM1900-661



GSM1900-810

8.4 Appendix D: Band Edge

Test Result

Band	Channel	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	-28.26	-13	PASS
GSM850	251	-26.69	-13	PASS
GSM1900	512	-30.43	-13	PASS
GSM1900	810	-29.88	-13	PASS



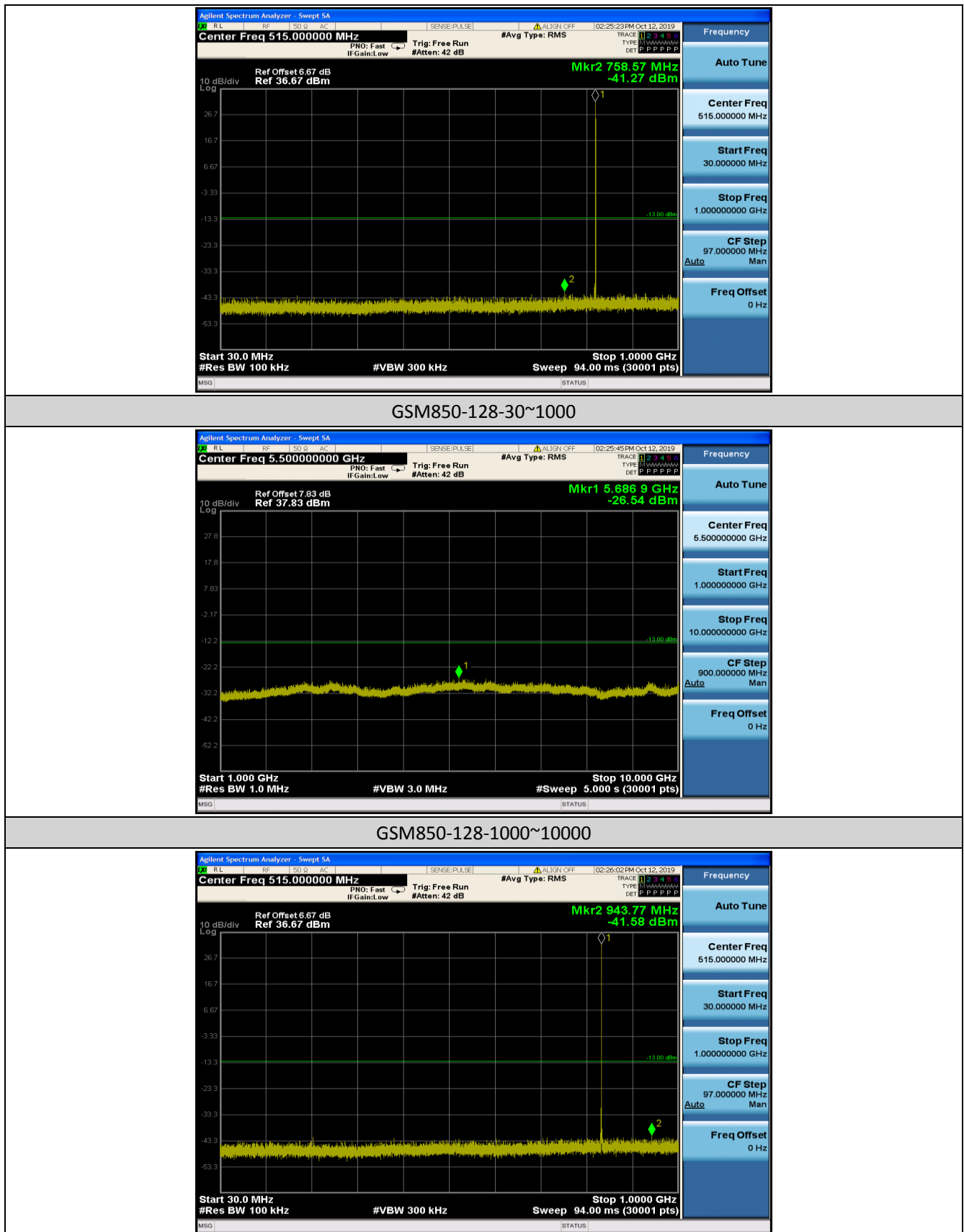
GSM1900-810

8.5 Appendix E: Conducted Spurious Emission

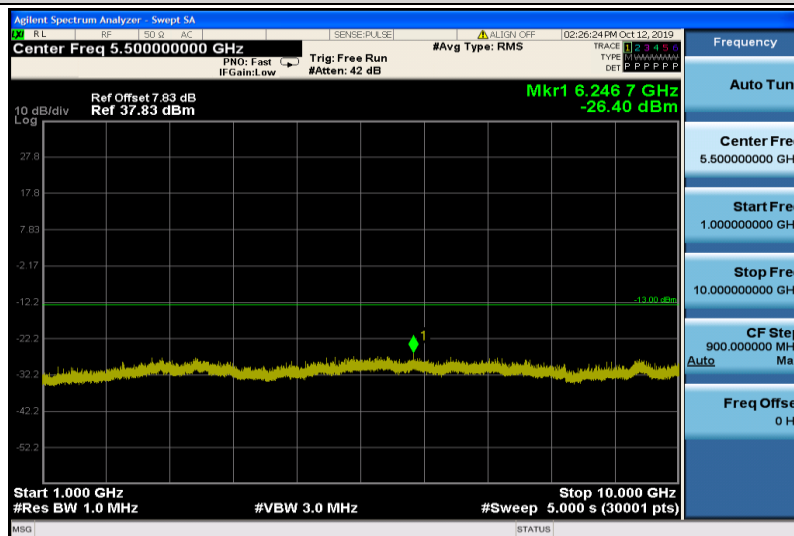
Test Result

Band	Channel	Frequency Range(Mhz)	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	30~1000	-41.27	-13	PASS
GSM850	128	1000~10000	-26.54	-13	PASS
GSM850	190	30~1000	-41.58	-13	PASS
GSM850	190	1000~10000	-26.40	-13	PASS
GSM850	251	30~1000	-40.84	-13	PASS
GSM850	251	1000~10000	-25.62	-13	PASS
GSM1900	512	30~1000	-41.19	-13	PASS
GSM1900	512	1000~20000	-20.52	-13	PASS
GSM1900	661	30~1000	-40.90	-13	PASS
GSM1900	661	1000~20000	-20.24	-13	PASS
GSM1900	810	30~1000	-40.43	-13	PASS
GSM1900	810	1000~20000	-20.24	-13	PASS

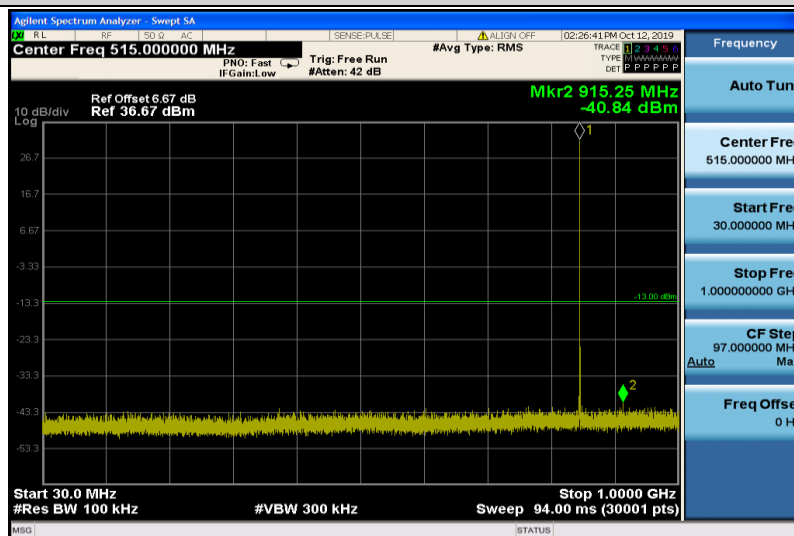
Test Graphs



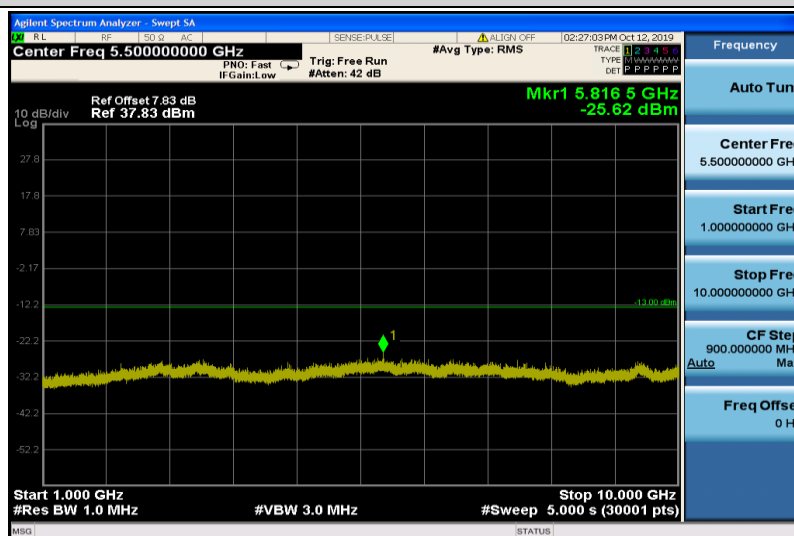
GSM850-190-30~1000



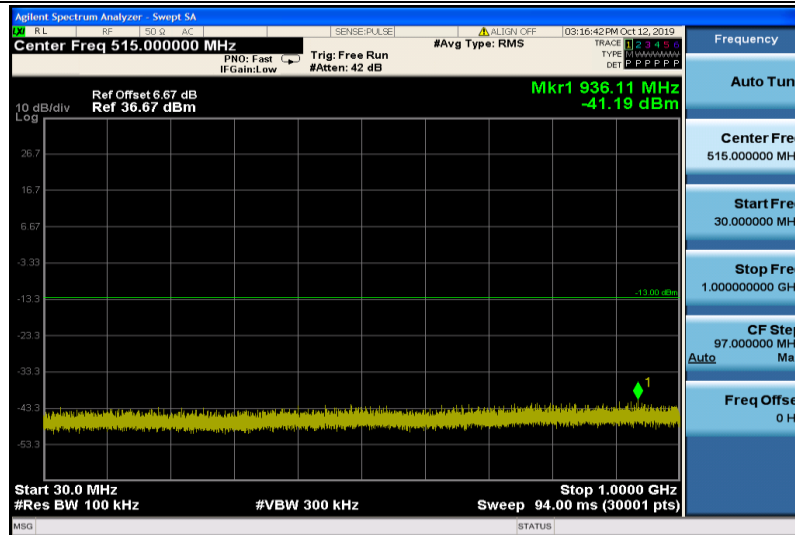
GSM850-190-1000~10000



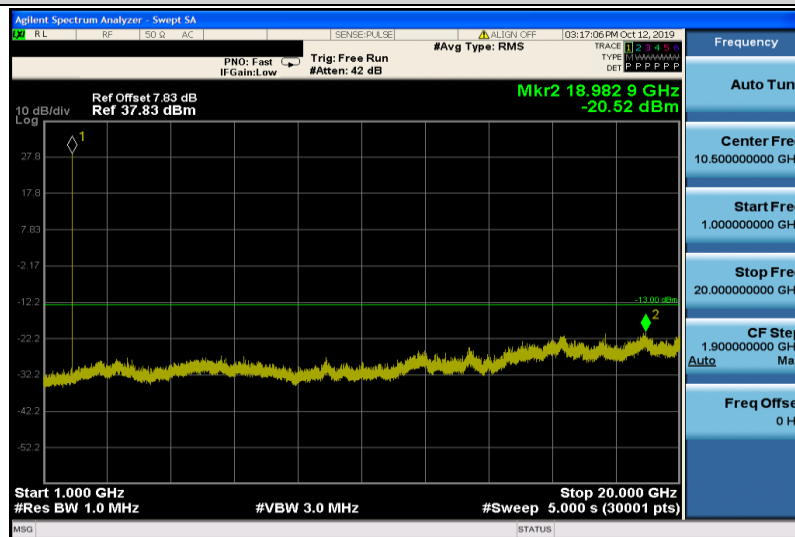
GSM850-251-30~1000



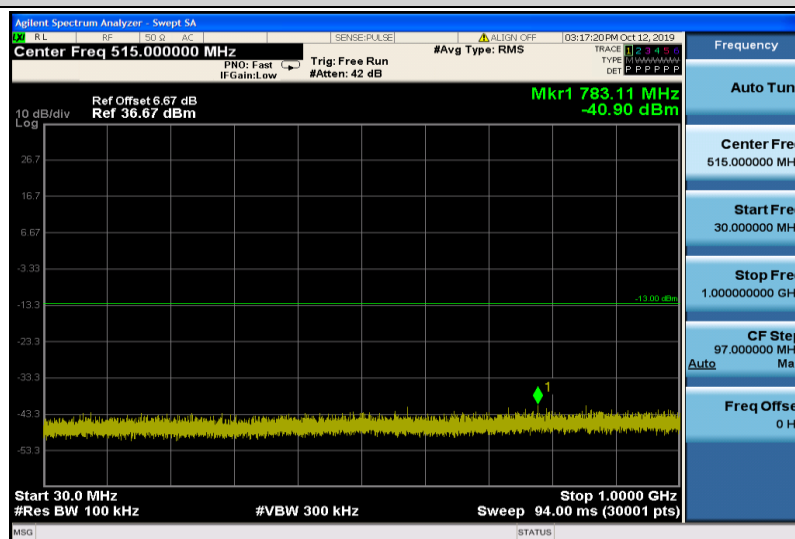
GSM850-251-1000~10000



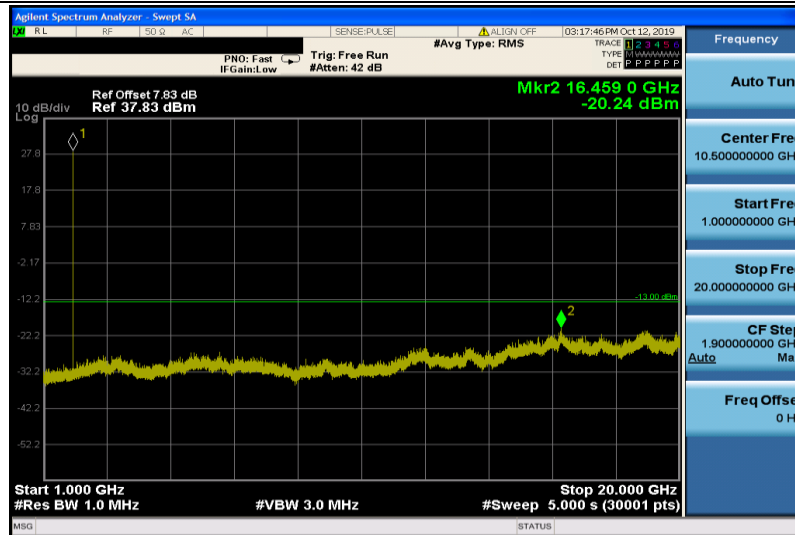
GSM1900-512-30~1000



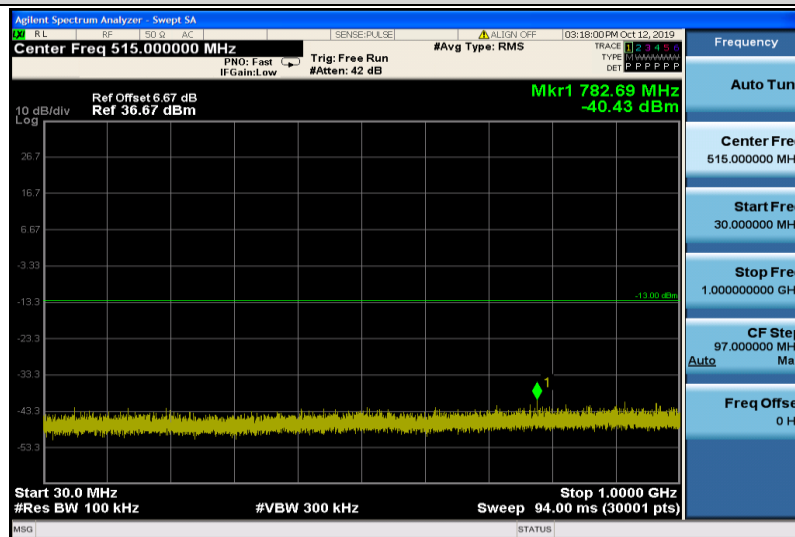
GSM1900-512-1000~20000



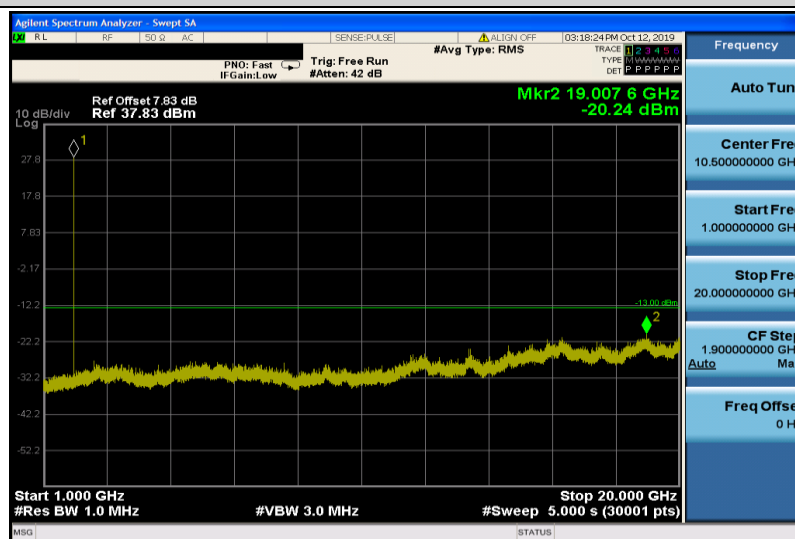
GSM1900-661-30~1000



GSM1900-661-1000~20000



GSM1900-810-30~1000



GSM1900-810-1000~20000

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	28.73	0.034863	2.5	PASS
GSM850	128	VN	TN	26.57	0.032239	2.5	PASS
GSM850	128	VH	TN	24.99	0.030319	2.5	PASS
GSM850	190	VL	TN	28.28	0.033806	2.5	PASS
GSM850	190	VN	TN	30.48	0.036431	2.5	PASS
GSM850	190	VH	TN	30.15	0.036045	2.5	PASS
GSM850	251	VL	TN	25.57	0.030125	2.5	PASS
GSM850	251	VN	TN	26.12	0.030772	2.5	PASS
GSM850	251	VH	TN	24.70	0.029098	2.5	PASS
GSM1900	512	VL	TN	61.41	0.033190	2.5	PASS
GSM1900	512	VN	TN	61.70	0.033347	2.5	PASS
GSM1900	512	VH	TN	63.60	0.034376	2.5	PASS
GSM1900	661	VL	TN	60.96	0.032423	2.5	PASS
GSM1900	661	VN	TN	61.05	0.032475	2.5	PASS
GSM1900	661	VH	TN	64.93	0.034536	2.5	PASS
GSM1900	810	VL	TN	64.99	0.034030	2.5	PASS
GSM1900	810	VN	TN	61.41	0.032154	2.5	PASS
GSM1900	810	VH	TN	65.09	0.034081	2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	-30	26.70	0.032396	2.5	PASS
GSM850	128	VN	-20	25.22	0.030594	2.5	PASS
GSM850	128	VN	-10	23.70	0.028752	2.5	PASS
GSM850	128	VN	0	24.86	0.030163	2.5	PASS
GSM850	128	VN	10	21.37	0.025932	2.5	PASS
GSM850	128	VN	20	25.28	0.030672	2.5	PASS
GSM850	128	VN	30	24.73	0.030006	2.5	PASS
GSM850	128	VN	40	25.67	0.031142	2.5	PASS
GSM850	128	VN	50	27.02	0.032787	2.5	PASS
GSM850	190	VN	-30	30.67	0.036662	2.5	PASS
GSM850	190	VN	-20	27.06	0.032340	2.5	PASS
GSM850	190	VN	-10	30.96	0.037009	2.5	PASS
GSM850	190	VN	0	27.73	0.033150	2.5	PASS
GSM850	190	VN	10	29.41	0.035157	2.5	PASS
GSM850	190	VN	20	31.06	0.037125	2.5	PASS
GSM850	190	VN	30	25.96	0.031028	2.5	PASS
GSM850	190	VN	40	31.96	0.038206	2.5	PASS
GSM850	190	VN	50	30.70	0.036701	2.5	PASS
GSM850	251	VN	-30	29.25	0.034462	2.5	PASS
GSM850	251	VN	-20	24.12	0.028414	2.5	PASS
GSM850	251	VN	-10	28.64	0.033739	2.5	PASS
GSM850	251	VN	0	29.51	0.034766	2.5	PASS
GSM850	251	VN	10	25.51	0.030049	2.5	PASS
GSM850	251	VN	20	30.22	0.035603	2.5	PASS
GSM850	251	VN	30	28.38	0.033435	2.5	PASS
GSM850	251	VN	40	29.12	0.034309	2.5	PASS
GSM850	251	VN	50	29.02	0.034195	2.5	PASS
GSM1900	512	VN	-30	61.76	0.033382	2.5	PASS
GSM1900	512	VN	-20	63.80	0.034481	2.5	PASS
GSM1900	512	VN	-10	61.38	0.033172	2.5	PASS
GSM1900	512	VN	0	63.09	0.034097	2.5	PASS
GSM1900	512	VN	10	63.18	0.034150	2.5	PASS
GSM1900	512	VN	20	59.28	0.032038	2.5	PASS
GSM1900	512	VN	30	62.51	0.033783	2.5	PASS
GSM1900	512	VN	40	69.67	0.037657	2.5	PASS
GSM1900	512	VN	50	75.65	0.040885	2.5	PASS
GSM1900	661	VN	-30	58.37	0.031049	2.5	PASS
GSM1900	661	VN	-20	59.44	0.031616	2.5	PASS
GSM1900	661	VN	-10	60.92	0.032406	2.5	PASS

GSM1900	661	VN	0	61.70	0.032818	2.5	PASS
GSM1900	661	VN	10	60.31	0.032080	2.5	PASS
GSM1900	661	VN	20	66.83	0.035549	2.5	PASS
GSM1900	661	VN	30	77.65	0.041302	2.5	PASS
GSM1900	661	VN	40	71.09	0.037816	2.5	PASS
GSM1900	661	VN	50	68.96	0.036682	2.5	PASS
GSM1900	810	VN	-30	61.21	0.032053	2.5	PASS
GSM1900	810	VN	-20	66.77	0.034960	2.5	PASS
GSM1900	810	VN	-10	69.12	0.036194	2.5	PASS
GSM1900	810	VN	0	64.80	0.033929	2.5	PASS
GSM1900	810	VN	10	66.32	0.034724	2.5	PASS
GSM1900	810	VN	20	66.77	0.034960	2.5	PASS
GSM1900	810	VN	30	73.29	0.038375	2.5	PASS
GSM1900	810	VN	40	74.16	0.038832	2.5	PASS
GSM1900	810	VN	50	71.29	0.037327	2.5	PASS

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