
Appendix A: Conducted Output Power

Test Result

Band	Channel	PCL	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	5	1	30.69	38.5	PASS
GPRS850	128	5	2	29.88	38.5	PASS
GPRS850	128	5	3	27.89	38.5	PASS
GPRS850	128	5	4	26.72	38.5	PASS
GPRS850	190	5	1	30.72	38.5	PASS
GPRS850	190	5	2	29.95	38.5	PASS
GPRS850	190	5	3	28.00	38.5	PASS
GPRS850	190	5	4	26.83	38.5	PASS
GPRS850	251	5	1	30.69	38.5	PASS
GPRS850	251	5	2	29.91	38.5	PASS
GPRS850	251	5	3	27.98	38.5	PASS
GPRS850	251	5	4	26.82	38.5	PASS
GPRS1900	512	0	1	30.30	33	PASS
GPRS1900	512	0	2	29.54	33	PASS
GPRS1900	512	0	3	27.54	33	PASS
GPRS1900	512	0	4	26.54	33	PASS
GPRS1900	661	0	1	30.24	33	PASS
GPRS1900	661	0	2	29.19	33	PASS
GPRS1900	661	0	3	27.22	33	PASS
GPRS1900	661	0	4	26.14	33	PASS
GPRS1900	810	0	1	29.99	33	PASS
GPRS1900	810	0	2	28.99	33	PASS
GPRS1900	810	0	3	27.03	33	PASS
GPRS1900	810	0	4	25.90	33	PASS

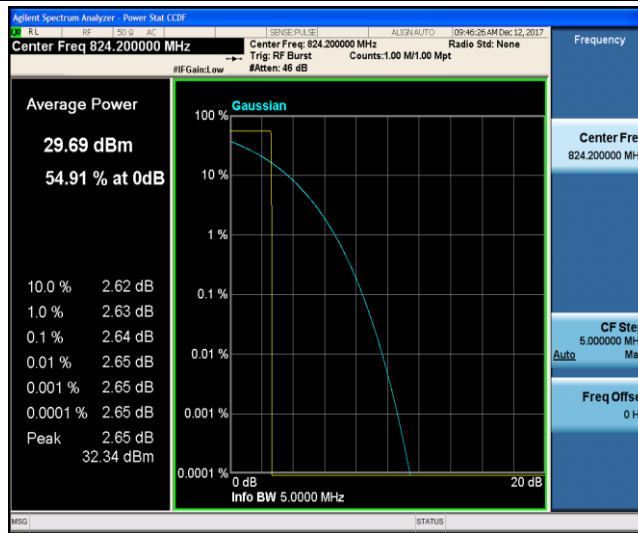
Appendix B: Peak-to-Average Ratio

Test Result

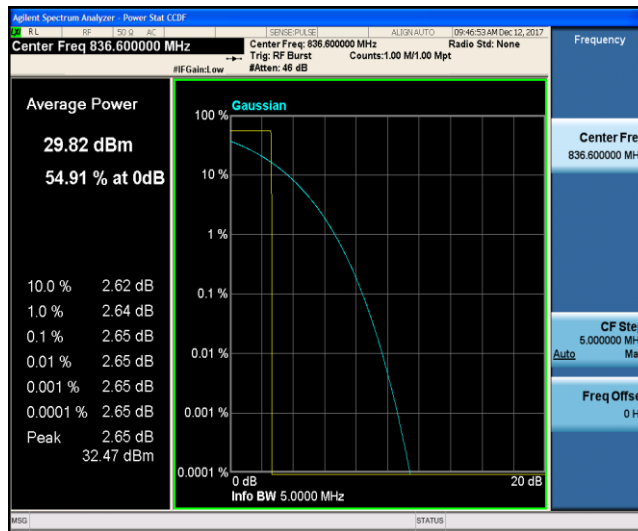
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
GPRS850	128	2.64	13	PASS
GPRS850	190	2.65	13	PASS
GPRS850	251	2.64	13	PASS
GPRS1900	512	2.76	13	PASS
GPRS1900	661	2.76	13	PASS
GPRS1900	810	2.76	13	PASS

Test Graphs

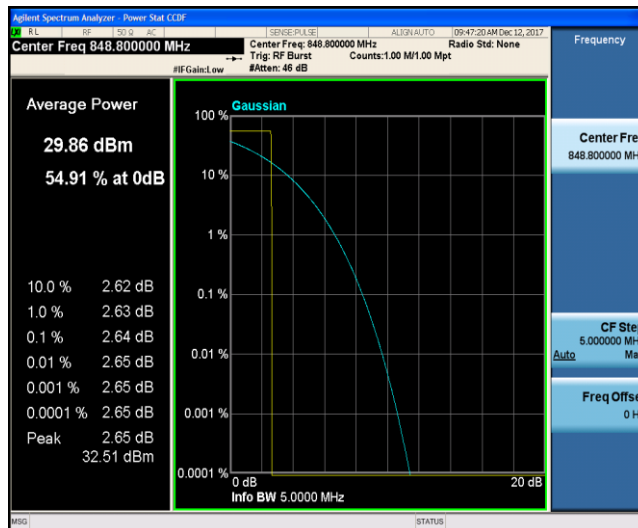
GPRS850_128



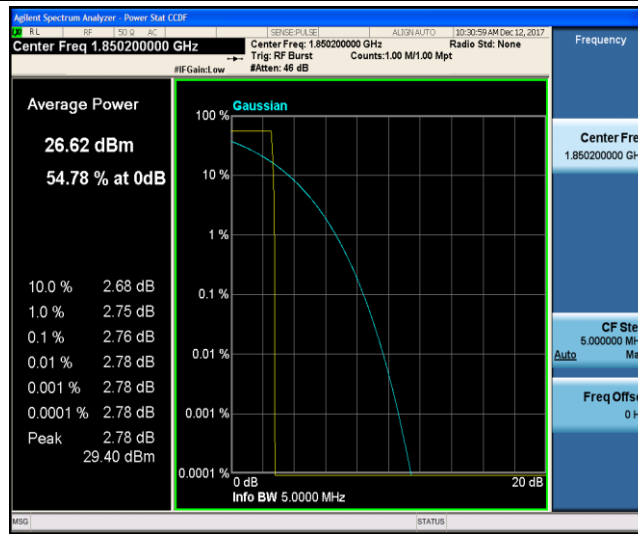
GPRS850_190



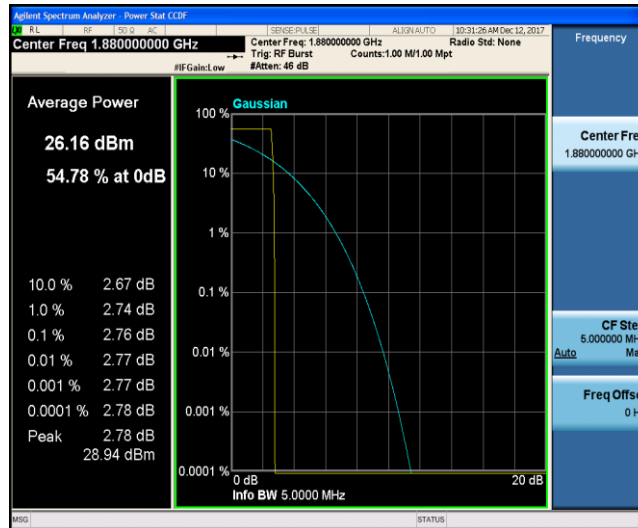
GPRS850_251



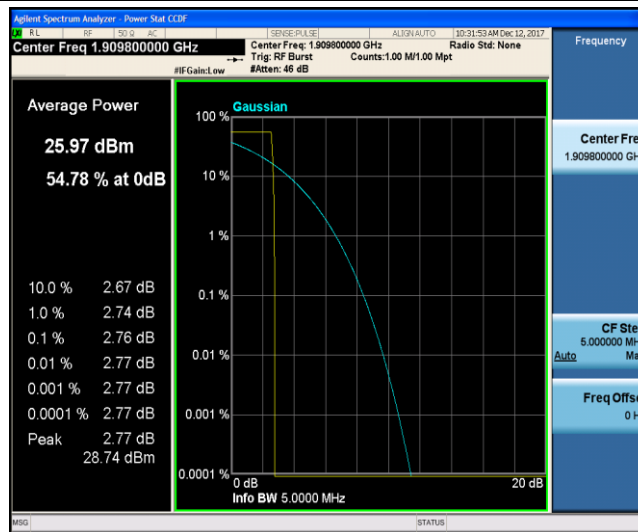
GPRS1900_512



GPRS1900_661



GPRS1900_810



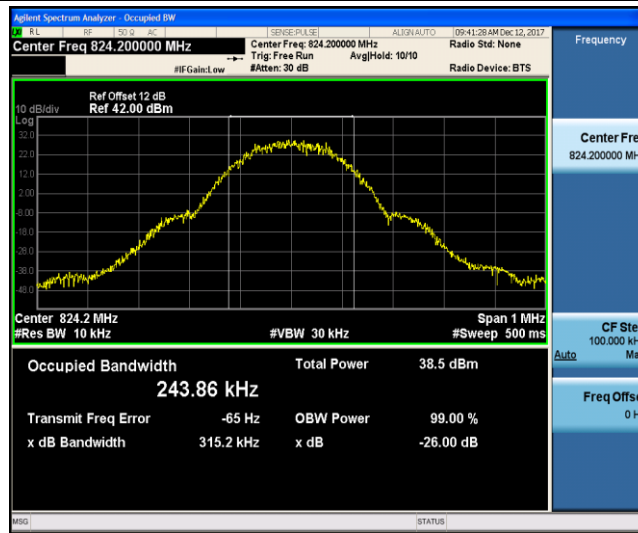
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

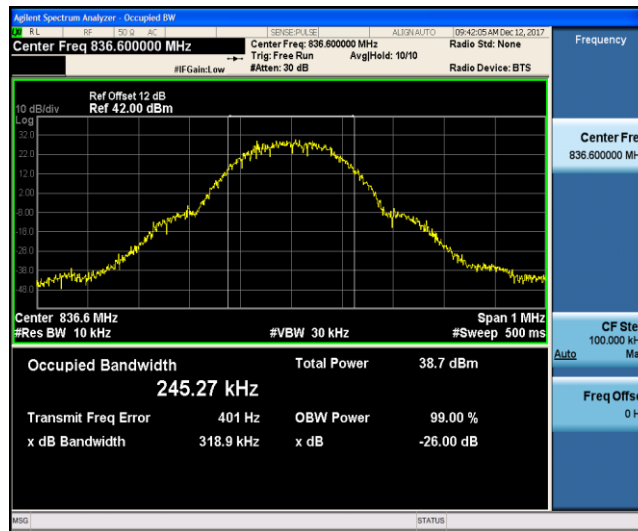
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GPRS850	128	243.9	315	---	PASS
GPRS850	190	245.3	319	---	PASS
GPRS850	251	245.6	319	---	PASS
GPRS1900	512	243.8	307	---	PASS
GPRS1900	661	243.6	313	---	PASS
GPRS1900	810	242.9	316	---	PASS

Test Graphs

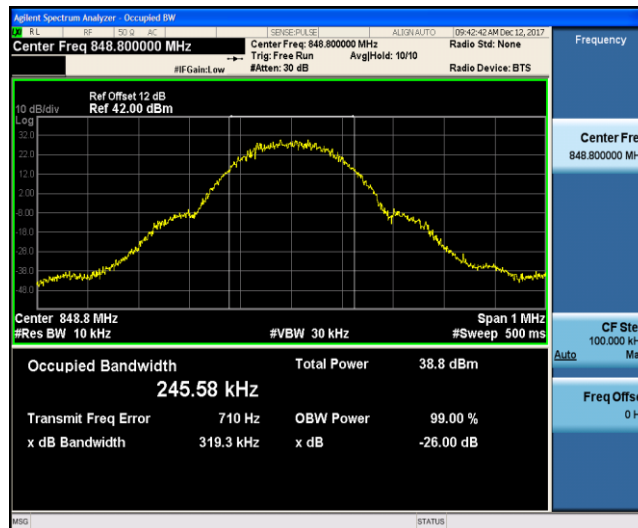
GPRS850_128



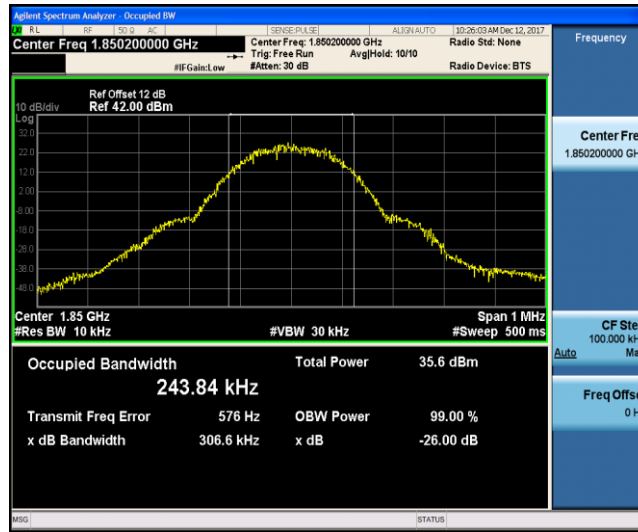
GPRS850_190



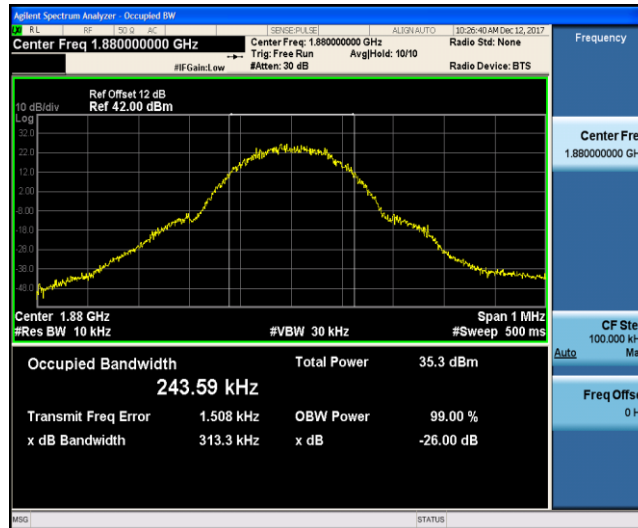
GPRS850_251



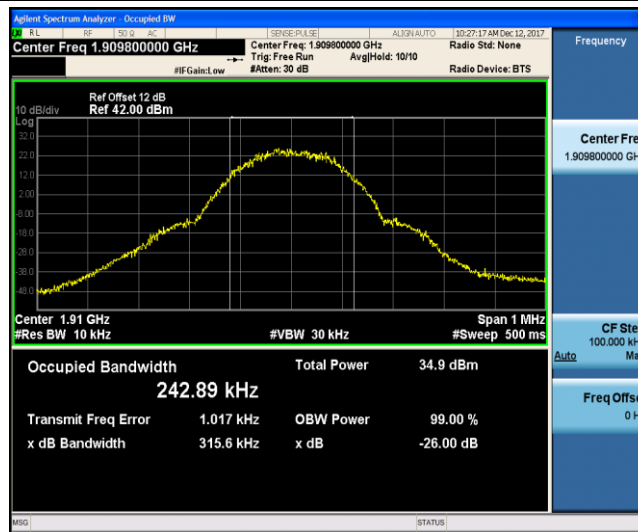
GPRS1900_512



GPRS1900_661



GPRS1900_810



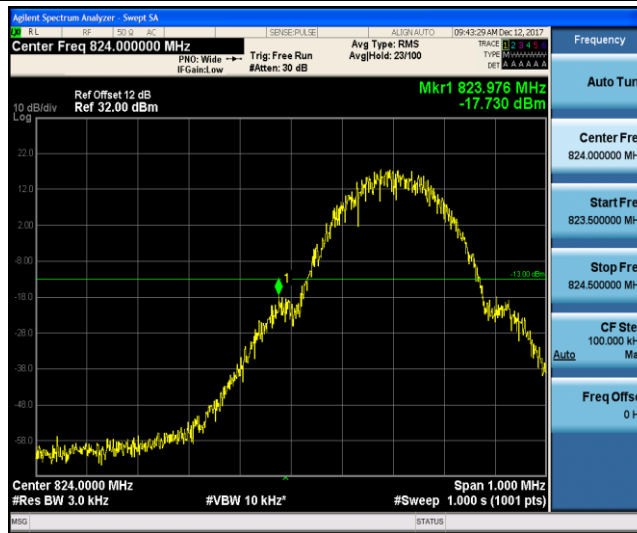
Appendix D: Band Edge

Test Result

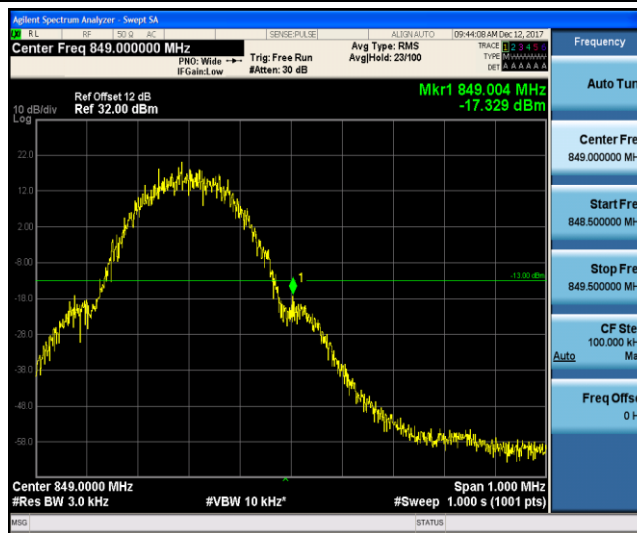
Band	Channel	Value(dBm)	Limit(dBm)	Verdict
GPRS850	128	-17.73	-13	PASS
GPRS850	251	-17.33	-13	PASS
GPRS1900	512	-18.09	-13	PASS
GPRS1900	810	-22.46	-13	PASS

Test Graphs

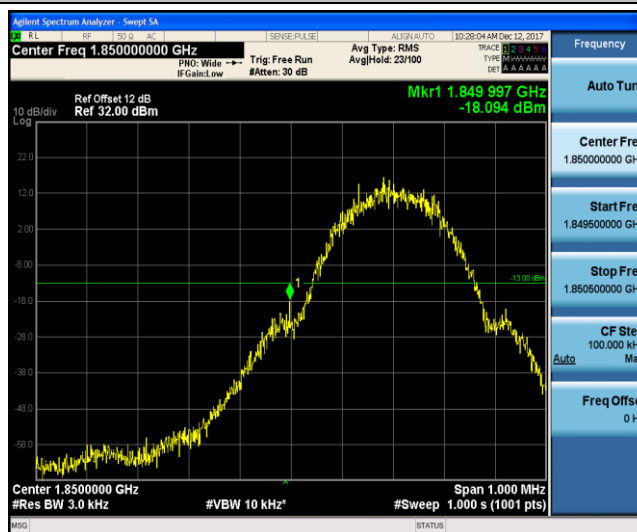
GPRS850_128

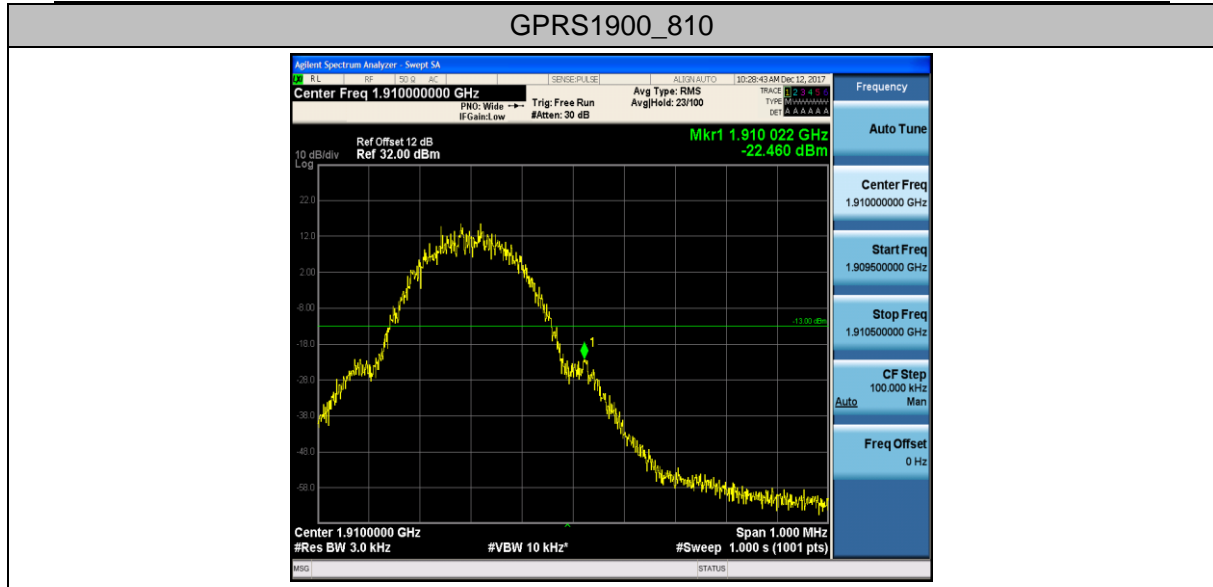


GPRS850_251



GPRS1900_512



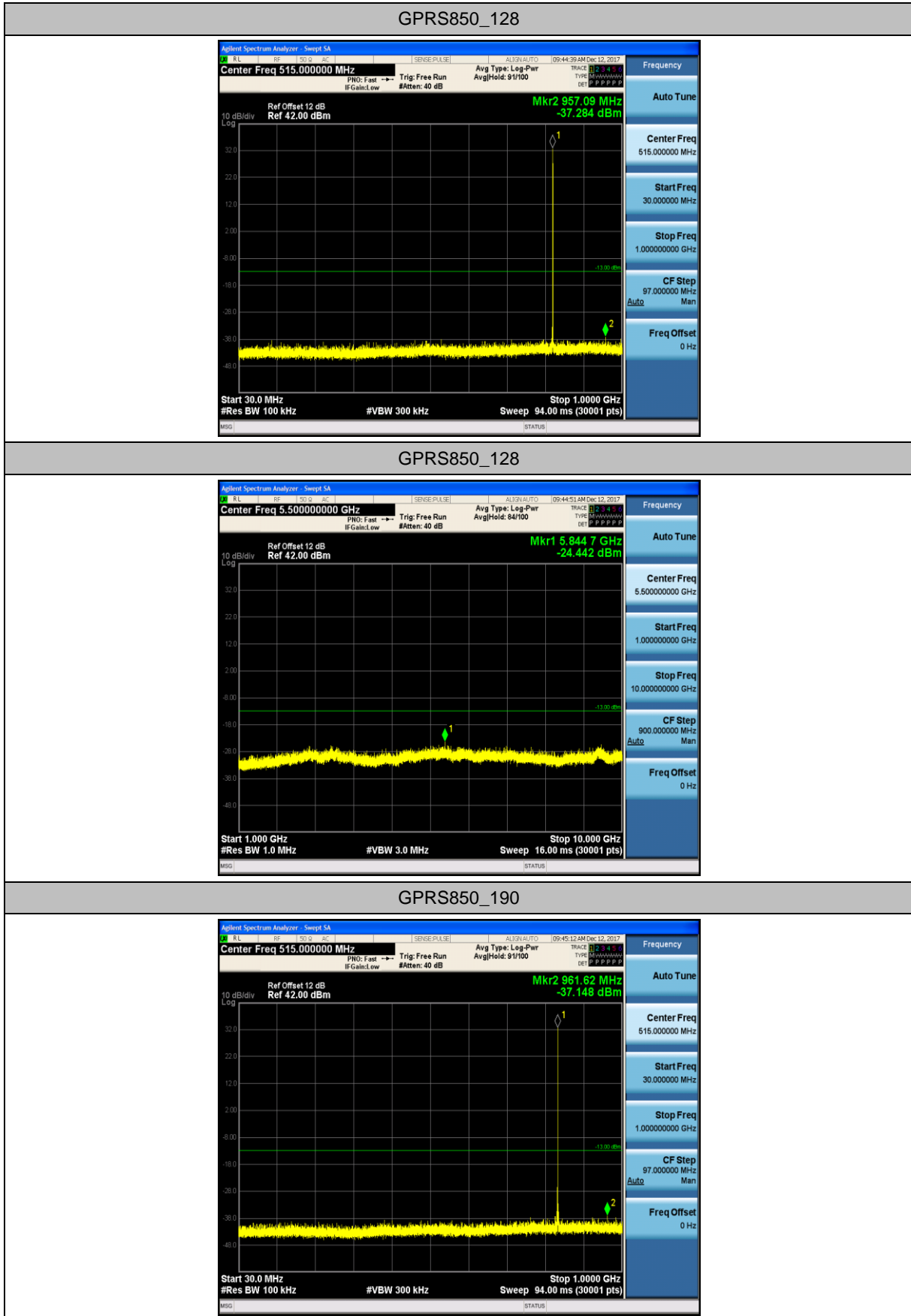


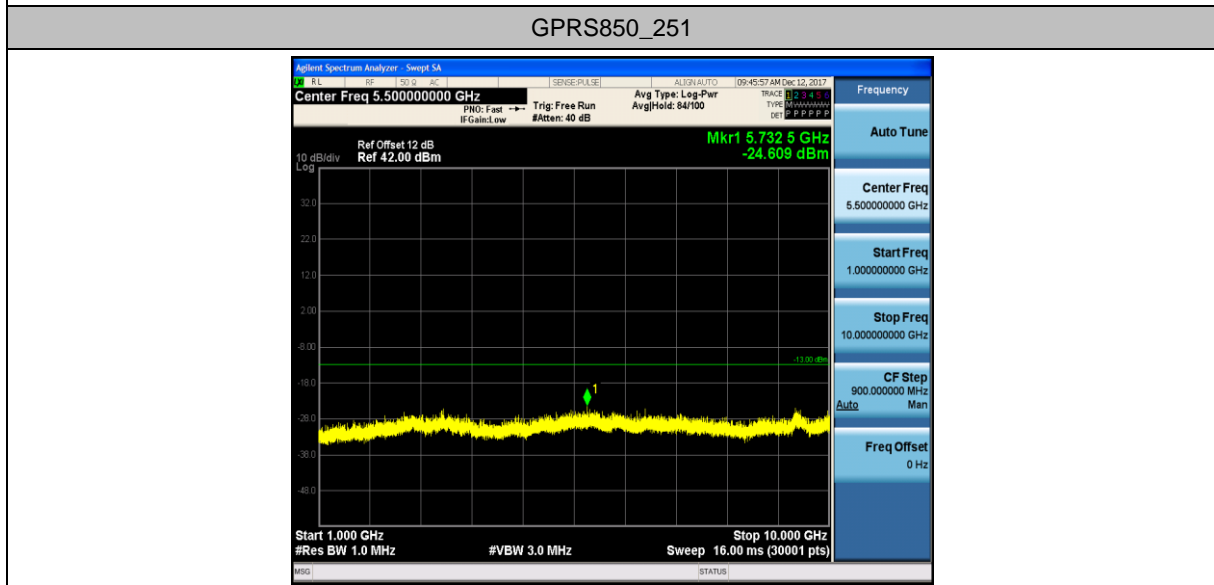
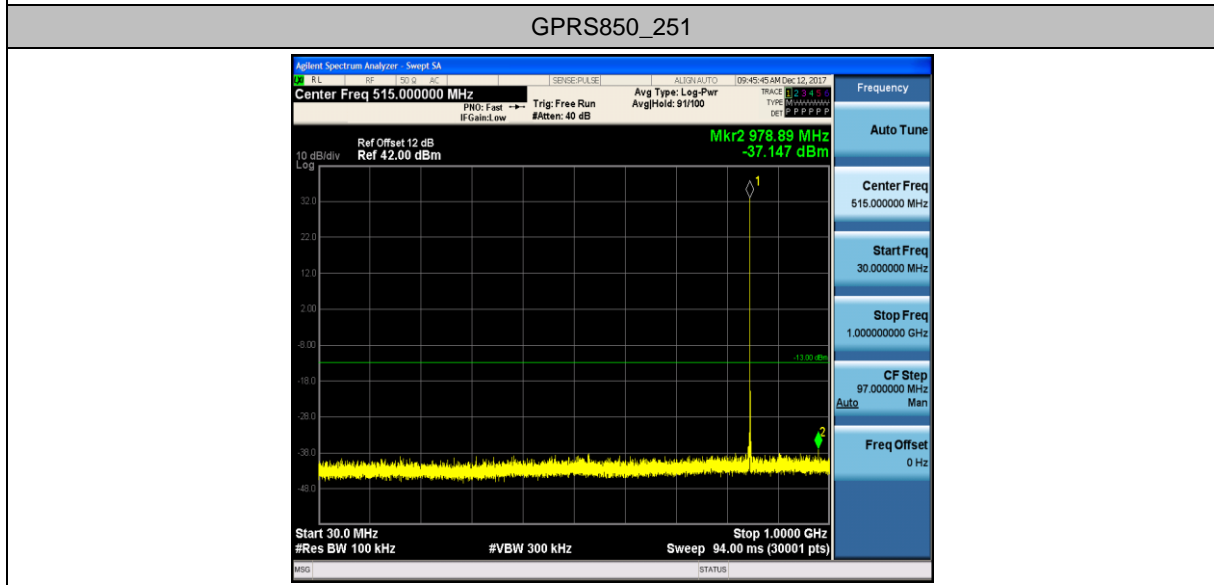
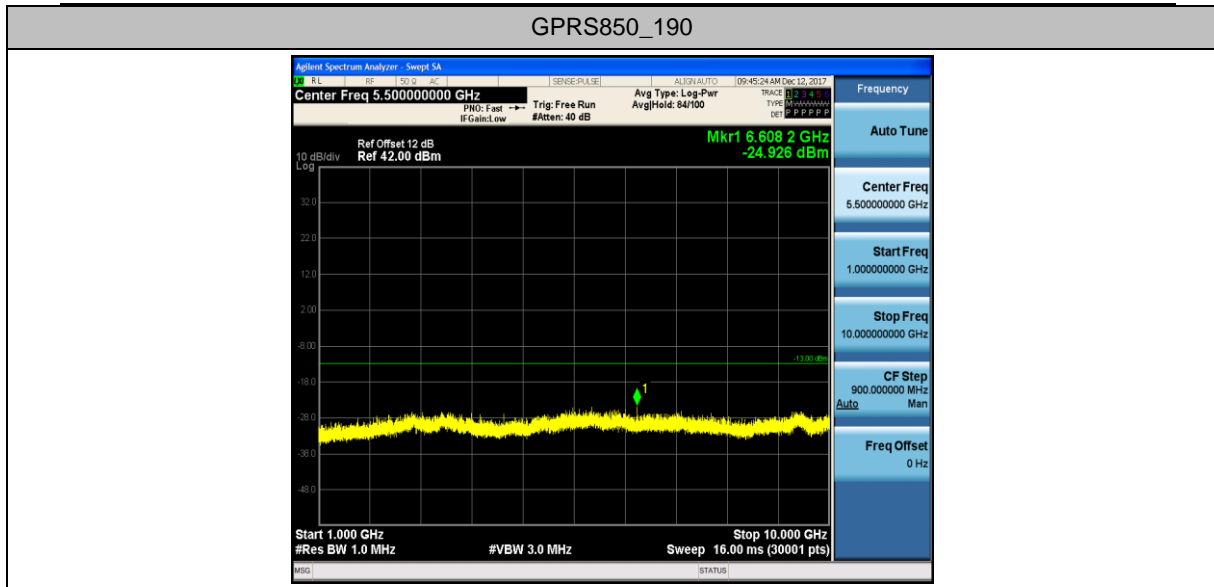
Appendix E: Conducted Spurious Emission

Test Result

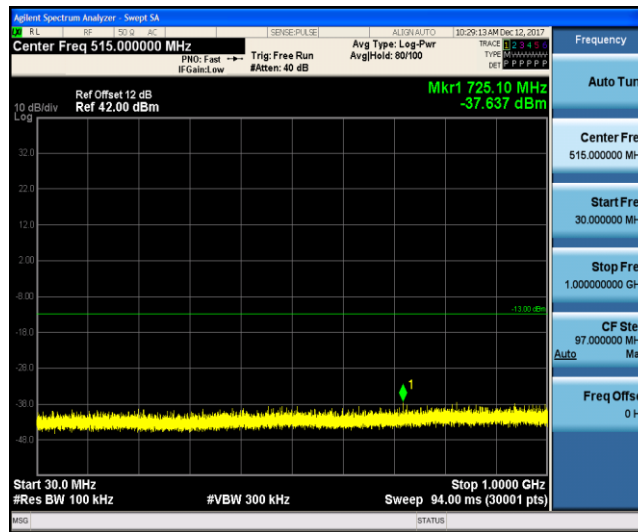
Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
GPRS850	128	30~1000	-37.28	-13	PASS
GPRS850	128	1000~10000	-24.44	-13	PASS
GPRS850	190	30~1000	-37.15	-13	PASS
GPRS850	190	1000~10000	-24.93	-13	PASS
GPRS850	251	30~1000	-37.15	-13	PASS
GPRS850	251	1000~10000	-24.61	-13	PASS
GPRS1900	512	30~1000	-37.64	-13	PASS
GPRS1900	512	1000~20000	-18.78	-13	PASS
GPRS1900	661	30~1000	-37.36	-13	PASS
GPRS1900	661	1000~20000	-18.49	-13	PASS
GPRS1900	810	30~1000	-37.90	-13	PASS
GPRS1900	810	1000~20000	-19.08	-13	PASS

Test Graphs

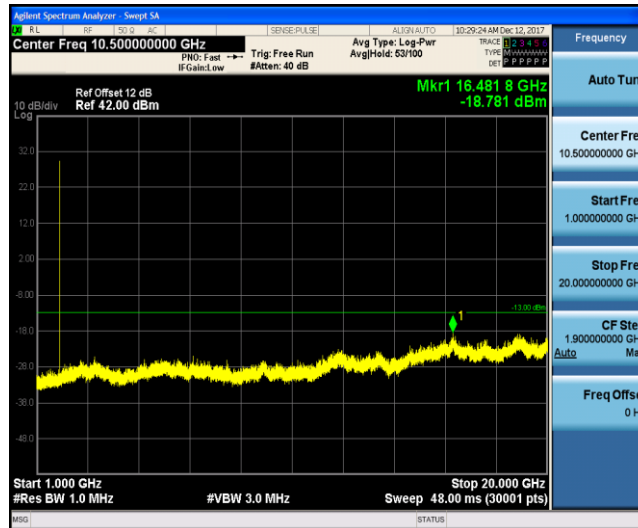




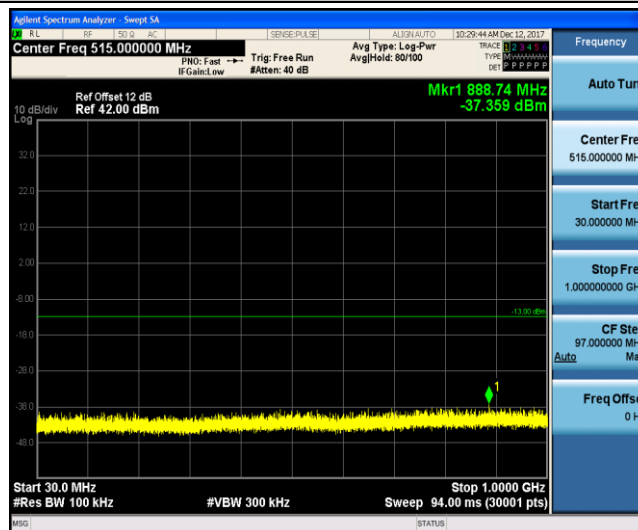
GPRS1900_512



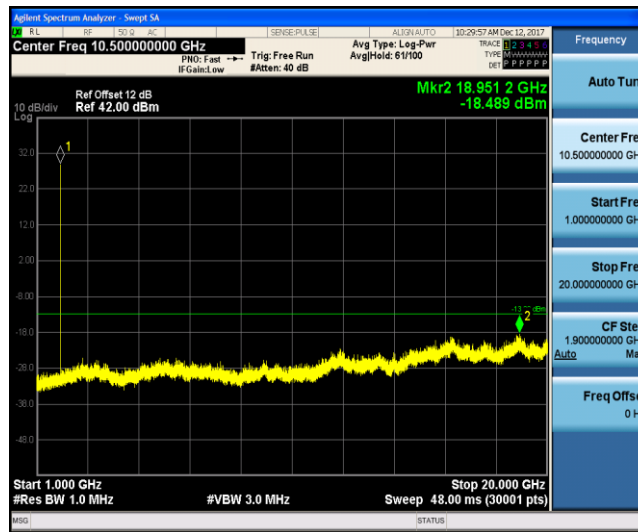
GPRS1900_512



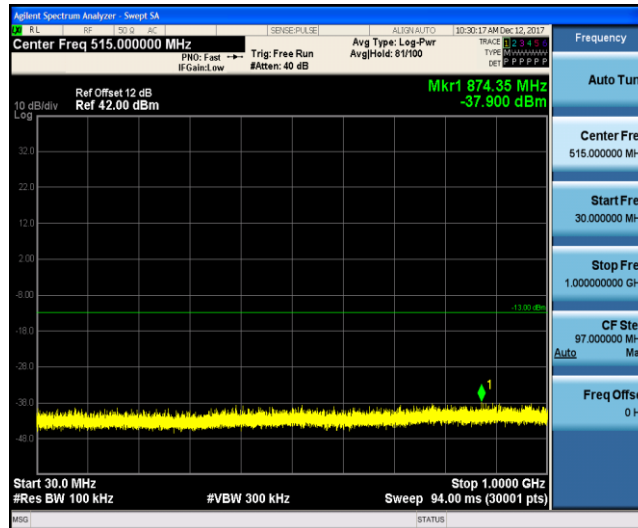
GPRS1900_661



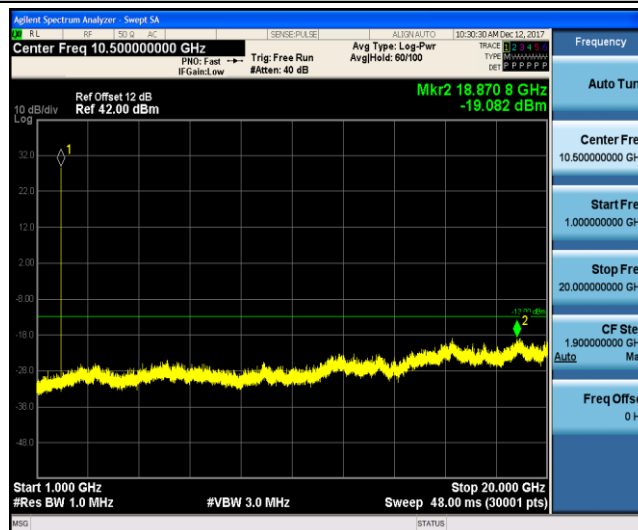
GPRS1900_661



GPRS1900_810



GPRS1900_810



Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	VL	TN	10.27	0.012461	2.5	PASS
GPRS850	128	VN	TN	2.71	0.003288	2.5	PASS
GPRS850	128	VH	TN	5.29	0.006418	2.5	PASS
GPRS850	190	VL	TN	7.81	0.009335	2.5	PASS
GPRS850	190	VN	TN	6.97	0.008331	2.5	PASS
GPRS850	190	VH	TN	7.81	0.009335	2.5	PASS
GPRS850	251	VL	TN	3.68	0.004336	2.5	PASS
GPRS850	251	VN	TN	4.65	0.005478	2.5	PASS
GPRS850	251	VH	TN	5.17	0.006091	2.5	PASS
GPRS1900	512	VL	TN	26.47	0.014307	2.5	PASS
GPRS1900	512	VN	TN	28.67	0.015496	2.5	PASS
GPRS1900	512	VH	TN	30.48	0.016474	2.5	PASS
GPRS1900	661	VL	TN	27.70	0.014734	2.5	PASS
GPRS1900	661	VN	TN	30.22	0.016074	2.5	PASS
GPRS1900	661	VH	TN	27.51	0.014633	2.5	PASS
GPRS1900	810	VL	TN	23.89	0.012509	2.5	PASS
GPRS1900	810	VN	TN	22.86	0.011970	2.5	PASS
GPRS1900	810	VH	TN	29.77	0.015588	2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GPRS850	128	VN	-30	6.72	0.008153	2.5	PASS
GPRS850	128	VN	-20	7.43	0.009015	2.5	PASS
GPRS850	128	VN	-10	8.07	0.009791	2.5	PASS
GPRS850	128	VN	0	7.04	0.008542	2.5	PASS
GPRS850	128	VN	10	10.07	0.012218	2.5	PASS
GPRS850	128	VN	20	7.62	0.009245	2.5	PASS
GPRS850	128	VN	30	7.10	0.008614	2.5	PASS
GPRS850	128	VN	40	6.78	0.008226	2.5	PASS
GPRS850	128	VN	50	7.55	0.009160	2.5	PASS
GPRS850	190	VN	-30	7.17	0.008570	2.5	PASS
GPRS850	190	VN	-20	7.55	0.009025	2.5	PASS
GPRS850	190	VN	-10	7.62	0.009108	2.5	PASS
GPRS850	190	VN	0	8.59	0.010268	2.5	PASS
GPRS850	190	VN	10	6.97	0.008331	2.5	PASS
GPRS850	190	VN	20	7.43	0.008881	2.5	PASS
GPRS850	190	VN	30	7.68	0.009180	2.5	PASS
GPRS850	190	VN	40	7.49	0.008953	2.5	PASS
GPRS850	190	VN	50	7.30	0.008726	2.5	PASS

GPRS850	251	VN	-30	5.81	0.006845	2.5	PASS
GPRS850	251	VN	-20	6.59	0.007764	2.5	PASS
GPRS850	251	VN	-10	6.13	0.007222	2.5	PASS
GPRS850	251	VN	0	6.52	0.007681	2.5	PASS
GPRS850	251	VN	10	4.13	0.004866	2.5	PASS
GPRS850	251	VN	20	4.13	0.004866	2.5	PASS
GPRS850	251	VN	30	4.84	0.005702	2.5	PASS
GPRS850	251	VN	40	4.33	0.005101	2.5	PASS
GPRS850	251	VN	50	7.10	0.008365	2.5	PASS
GPRS1900	512	VN	-30	23.12	0.012496	2.5	PASS
GPRS1900	512	VN	-20	31.38	0.016960	2.5	PASS
GPRS1900	512	VN	-10	30.48	0.016474	2.5	PASS
GPRS1900	512	VN	0	28.80	0.015566	2.5	PASS
GPRS1900	512	VN	10	28.48	0.015393	2.5	PASS
GPRS1900	512	VN	20	27.89	0.015074	2.5	PASS
GPRS1900	512	VN	30	36.03	0.019474	2.5	PASS
GPRS1900	512	VN	40	25.44	0.013750	2.5	PASS
GPRS1900	512	VN	50	24.54	0.013263	2.5	PASS
GPRS1900	661	VN	-30	29.19	0.015527	2.5	PASS
GPRS1900	661	VN	-20	29.57	0.015729	2.5	PASS
GPRS1900	661	VN	-10	28.35	0.015080	2.5	PASS
GPRS1900	661	VN	0	27.64	0.014702	2.5	PASS
GPRS1900	661	VN	10	29.77	0.015835	2.5	PASS
GPRS1900	661	VN	20	22.92	0.012191	2.5	PASS
GPRS1900	661	VN	30	26.80	0.014255	2.5	PASS
GPRS1900	661	VN	40	26.47	0.014080	2.5	PASS
GPRS1900	661	VN	50	25.12	0.013362	2.5	PASS
GPRS1900	810	VN	-30	23.50	0.012305	2.5	PASS
GPRS1900	810	VN	-20	29.77	0.015588	2.5	PASS
GPRS1900	810	VN	-10	30.03	0.015724	2.5	PASS
GPRS1900	810	VN	0	28.80	0.015080	2.5	PASS
GPRS1900	810	VN	10	20.34	0.010650	2.5	PASS
GPRS1900	810	VN	20	28.02	0.014672	2.5	PASS
GPRS1900	810	VN	30	29.06	0.015216	2.5	PASS
GPRS1900	810	VN	40	28.67	0.015012	2.5	PASS
GPRS1900	810	VN	50	28.48	0.014913	2.5	PASS