

APPENDIX REPORT

Project No.	SHT2207065103EW	Radio Specification	GSM
Test sample No.	YPHT22070651011	Model No.	L300
Start test date	2022/7/27	Finish date	2022/7/27
Temperature	25.8℃	Humidity	34%
Test Engineer	Tiancheng.Huang	Auditor	Xiaodong Zhu

Appendix clause	Test item	Result
A	Conducted Output Power	PASS
B	Peak-to-Average Ratio	PASS
C	26 dB Bandwidth and Occupied Bandwidth	PASS
D	Band edge	PASS
E	Conducted Spurious Emission	PASS
F	Frequency Stability	PASS
G	ERP and EIRP	PASS

8.1 Appendix A: Conducted Output Power

Test Result

Band	Channel	PCL	Power(dBm)	Limit(dBm)	Verdict
GSM850	128	5	33.25	38.5	PASS
GSM850	190	5	33.20	38.5	PASS
GSM850	251	5	32.75	38.5	PASS
GSM1900	512	0	28.35	33	PASS
GSM1900	661	0	28.13	33	PASS
GSM1900	810	0	27.91	33	PASS

Band	Channel	PCL	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	5	1	32.99	38.5	PASS
GPRS850	128	5	2	31.20	38.5	PASS
GPRS850	128	5	3	29.30	38.5	PASS
GPRS850	128	5	4	26.99	38.5	PASS
GPRS850	190	5	1	32.70	38.5	PASS
GPRS850	190	5	2	31.03	38.5	PASS
GPRS850	190	5	3	29.04	38.5	PASS
GPRS850	190	5	4	26.76	38.5	PASS
GPRS850	251	5	1	32.36	38.5	PASS
GPRS850	251	5	2	30.54	38.5	PASS
GPRS850	251	5	3	28.55	38.5	PASS
GPRS850	251	5	4	26.27	38.5	PASS
GPRS1900	512	0	1	28.40	33	PASS
GPRS1900	512	0	2	26.70	33	PASS
GPRS1900	512	0	3	25.14	33	PASS
GPRS1900	512	0	4	22.97	33	PASS
GPRS1900	661	0	1	28.00	33	PASS
GPRS1900	661	0	2	26.23	33	PASS
GPRS1900	661	0	3	24.67	33	PASS
GPRS1900	661	0	4	22.53	33	PASS
GPRS1900	810	0	1	27.80	33	PASS
GPRS1900	810	0	2	25.73	33	PASS
GPRS1900	810	0	3	24.11	33	PASS
GPRS1900	810	0	4	21.97	33	PASS

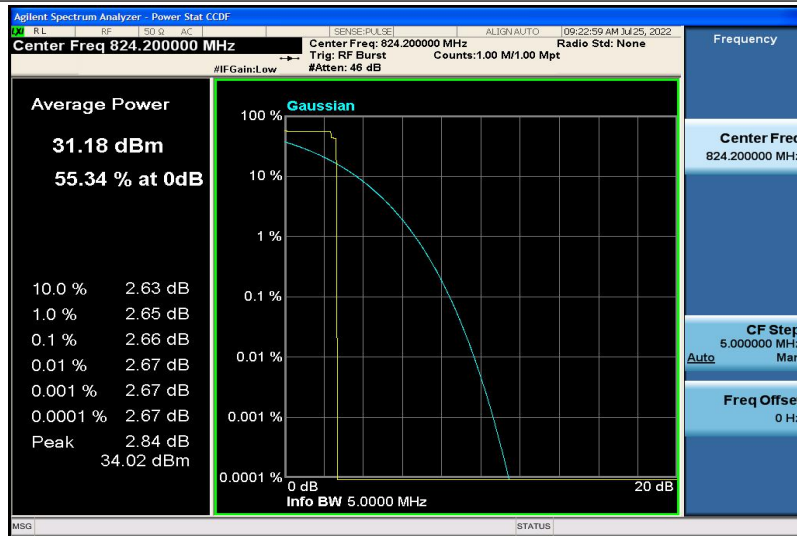
Band	Channel	PCL	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	8	1	25.95	38.5	PASS
EGPRS850	128	8	2	25.26	38.5	PASS
EGPRS850	128	8	3	22.29	38.5	PASS
EGPRS850	128	8	4	19.36	38.5	PASS
EGPRS850	190	8	1	26.12	38.5	PASS
EGPRS850	190	8	2	25.93	38.5	PASS
EGPRS850	190	8	3	22.43	38.5	PASS
EGPRS850	190	8	4	20.94	38.5	PASS
EGPRS850	251	8	1	25.45	38.5	PASS
EGPRS850	251	8	2	24.88	38.5	PASS
EGPRS850	251	8	3	22.90	38.5	PASS
EGPRS850	251	8	4	19.46	38.5	PASS
EGPRS1900	512	2	1	25.35	33	PASS
EGPRS1900	512	2	2	24.43	33	PASS
EGPRS1900	512	2	3	22.45	33	PASS
EGPRS1900	512	2	4	18.50	33	PASS
EGPRS1900	661	2	1	24.93	33	PASS
EGPRS1900	661	2	2	24.22	33	PASS
EGPRS1900	661	2	3	22.73	33	PASS
EGPRS1900	661	2	4	18.63	33	PASS
EGPRS1900	810	2	1	23.93	33	PASS
EGPRS1900	810	2	2	23.47	33	PASS
EGPRS1900	810	2	3	21.45	33	PASS
EGPRS1900	810	2	4	17.37	33	PASS

8.2 Appendix B: Peak-to-Average Ratio

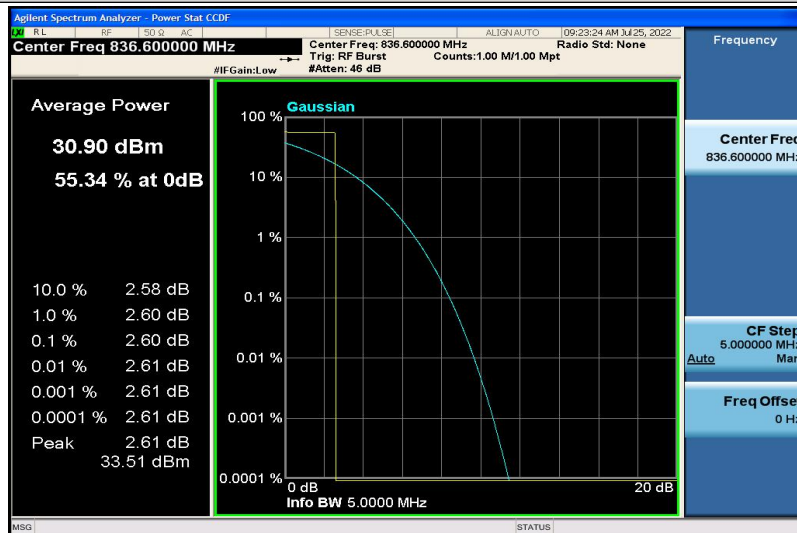
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
GSM850	128	2.66	13	PASS
GSM850	190	2.60	13	PASS
GSM850	251	2.60	13	PASS
GPRS850	128	2.62	13	PASS
GPRS850	190	2.62	13	PASS
GPRS850	251	2.61	13	PASS
EGPRS850	128	5.23	13	PASS
EGPRS850	190	4.93	13	PASS
EGPRS850	251	5.09	13	PASS
GSM1900	512	2.66	13	PASS
GSM1900	661	2.66	13	PASS
GSM1900	810	2.65	13	PASS
GPRS1900	512	2.67	13	PASS
GPRS1900	661	2.66	13	PASS
GPRS1900	810	2.65	13	PASS
EGPRS1900	512	5.03	13	PASS
EGPRS1900	661	4.99	13	PASS
EGPRS1900	810	5.08	13	PASS

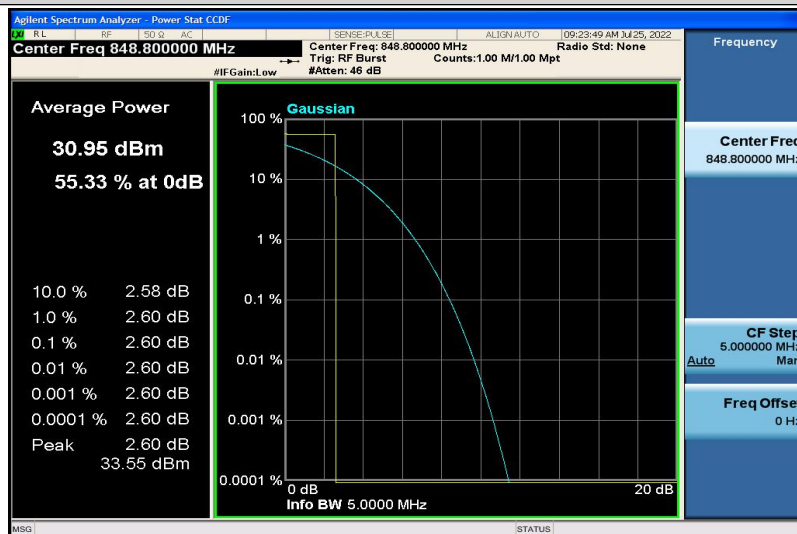
Test Graphs



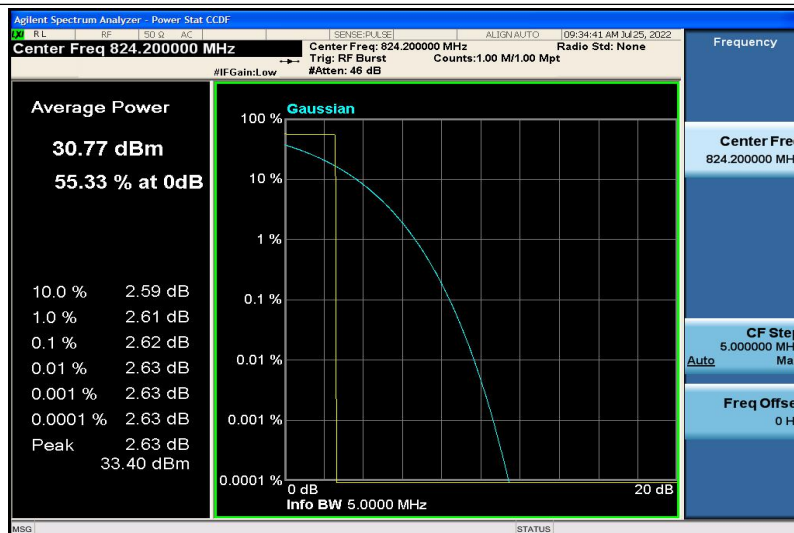
GSM850-128



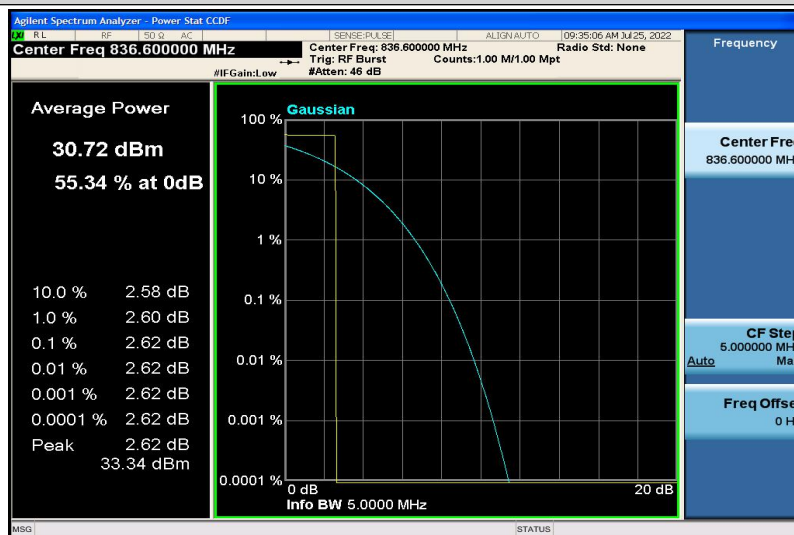
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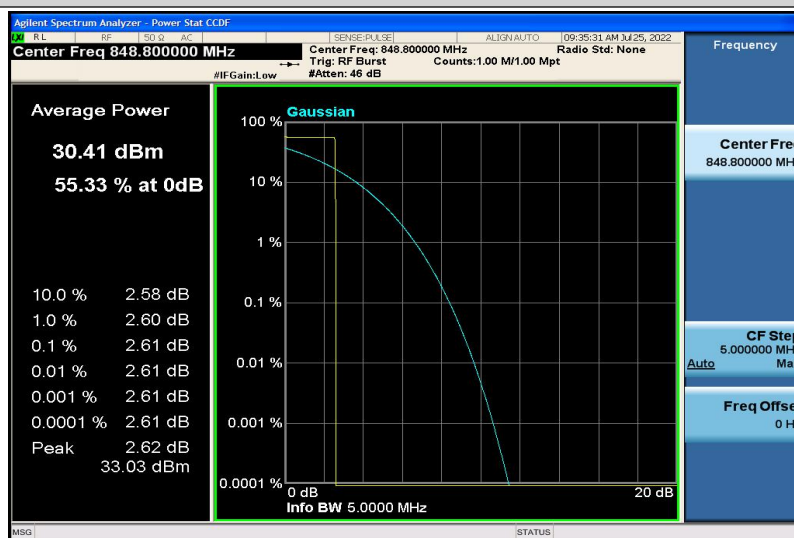
GSM850-251



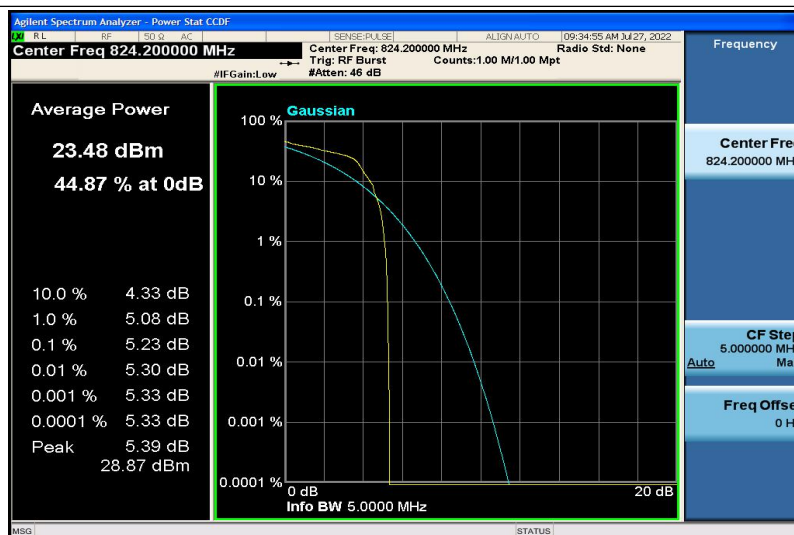
GPRS850-128



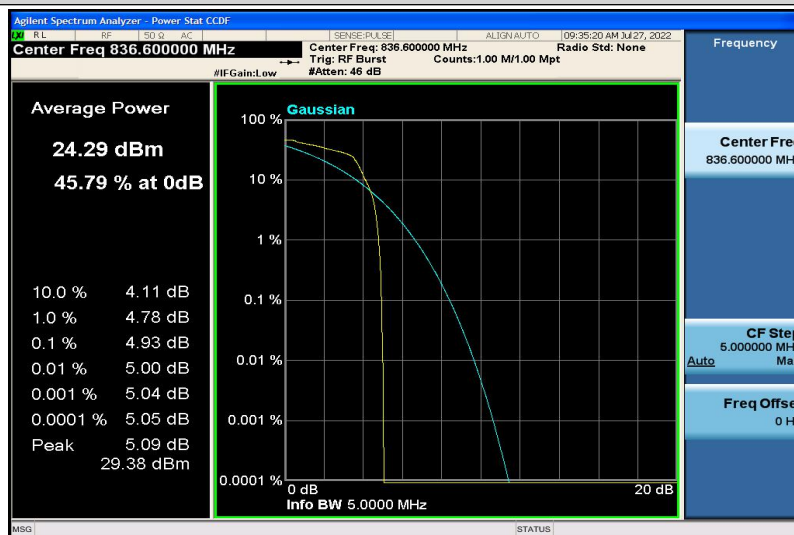
GPRS850-190



GPRS850-251



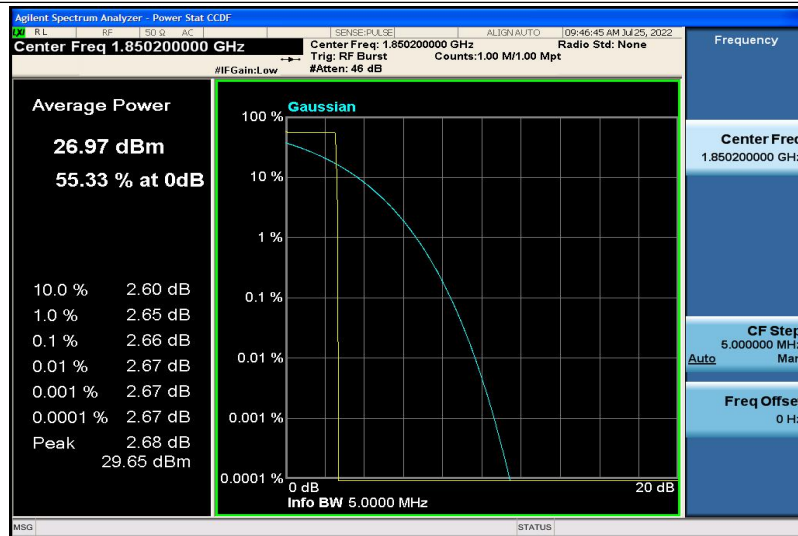
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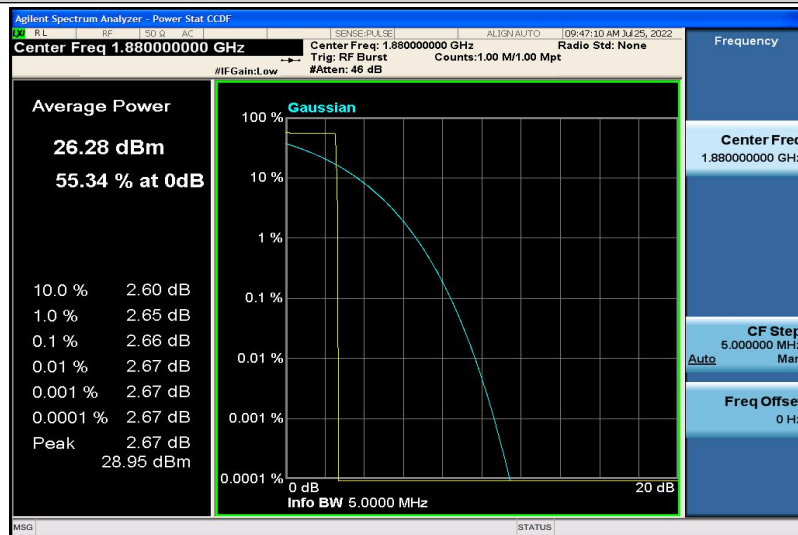
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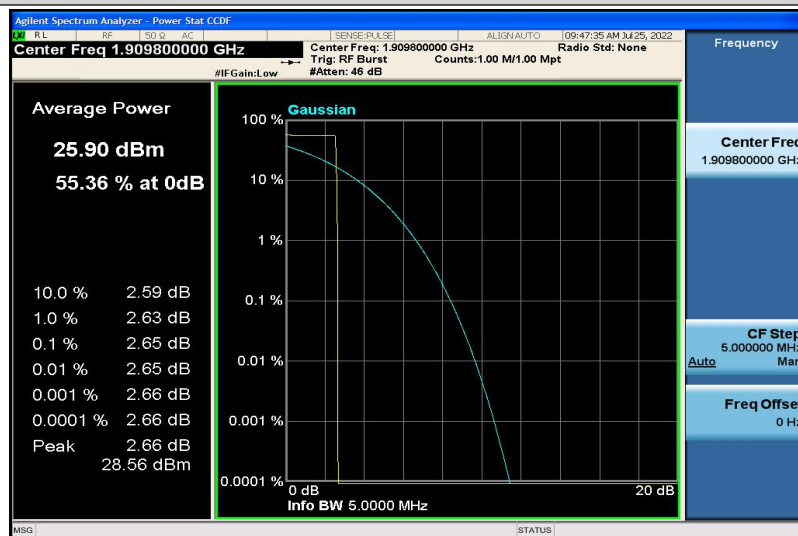
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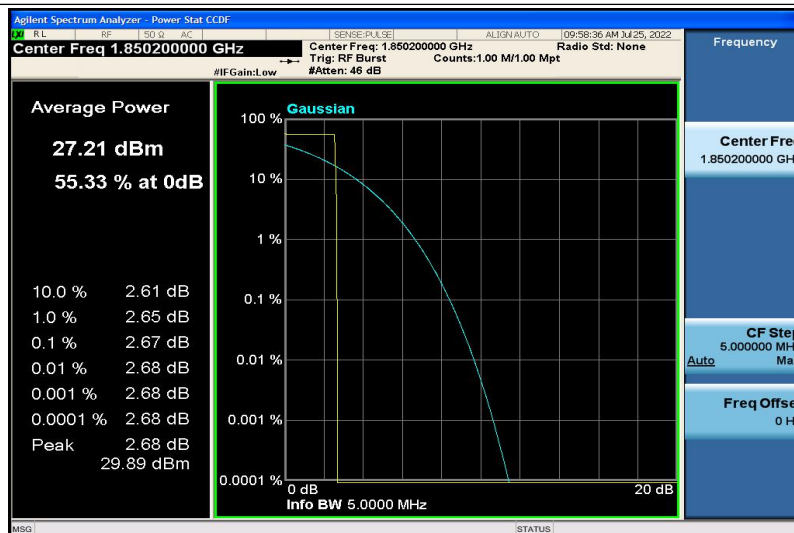
GSM1900-512



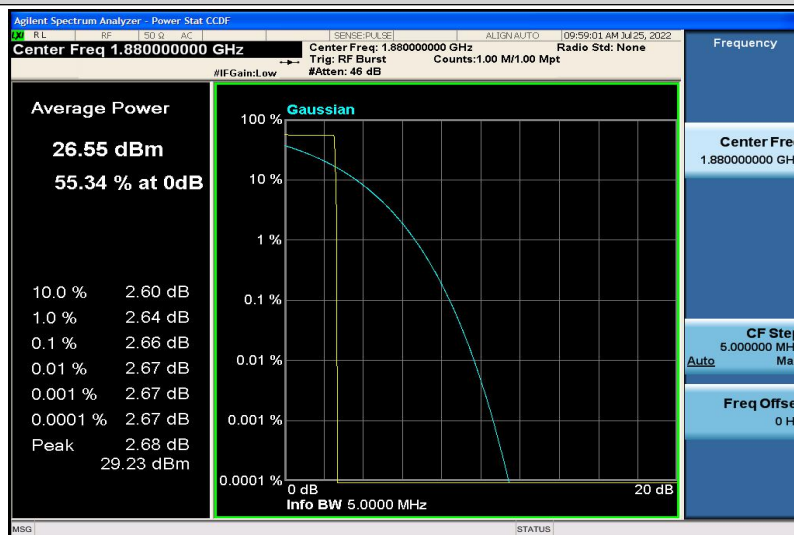
GSM1900-661



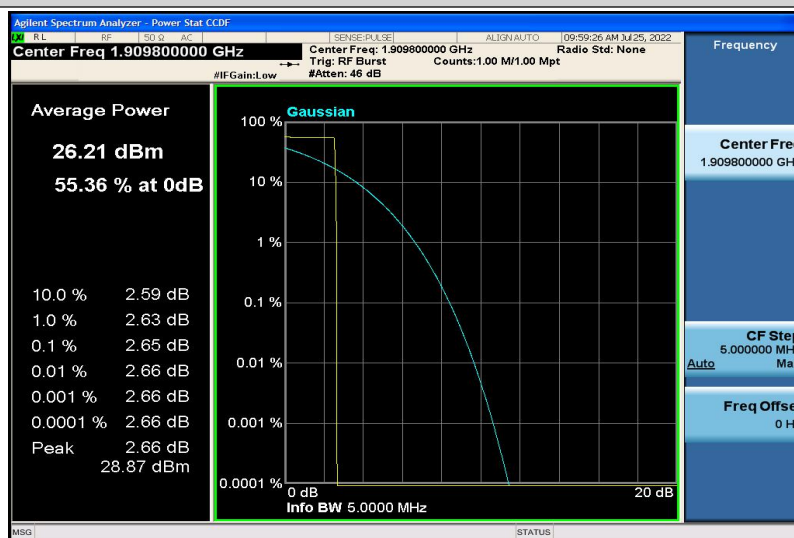
GSM1900-810



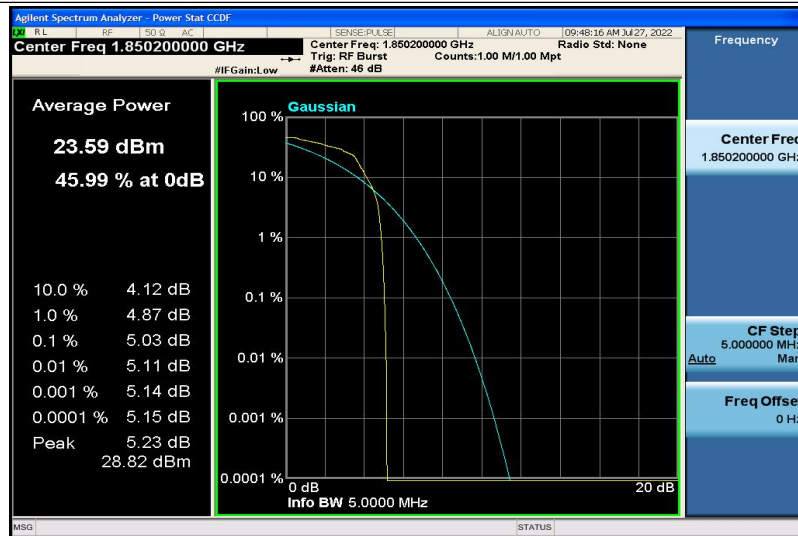
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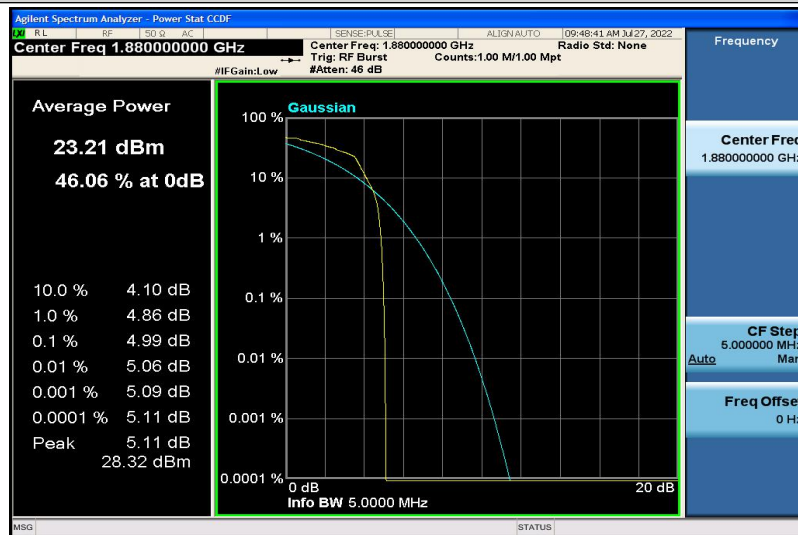
GPRS1900-661



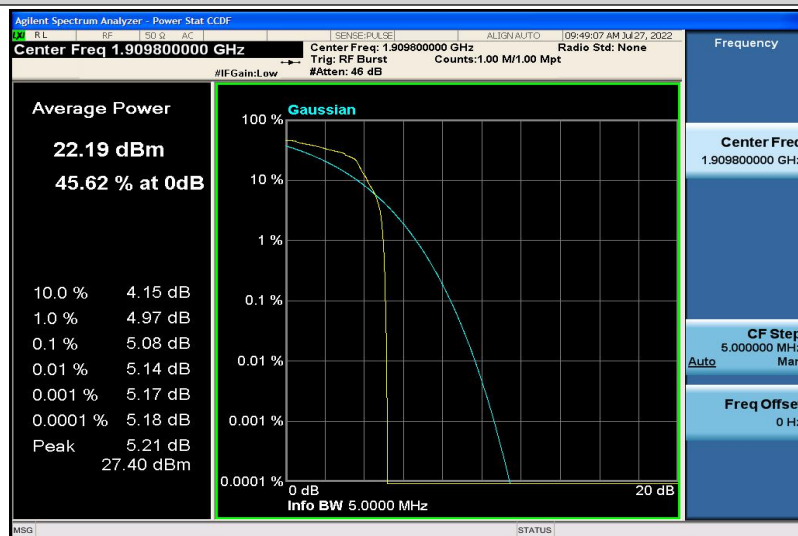
GPRS1900-810



EGPRS1900-512



EGPRS1900-661



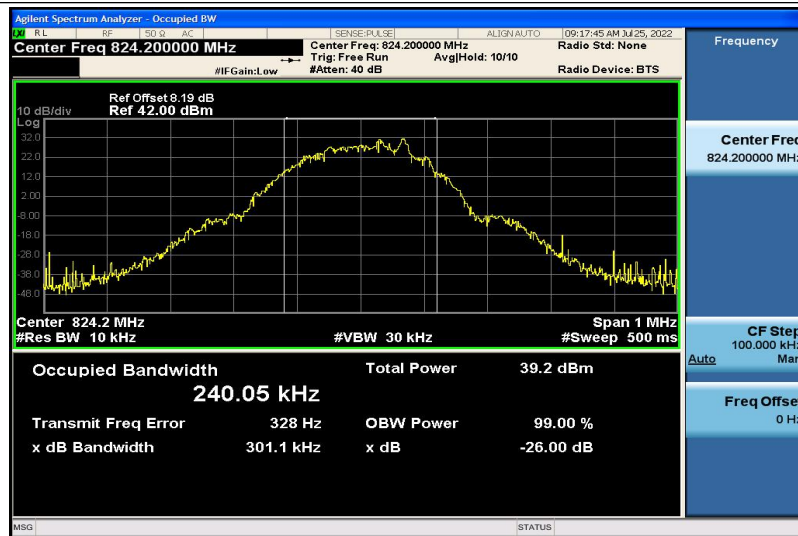
EGPRS1900-810

8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
GSM850	128	240.05	301.1	---	PASS
GSM850	190	241.67	306.8	---	PASS
GSM850	251	241.39	304.4	---	PASS
GPRS850	128	243.20	312.2	---	PASS
GPRS850	190	245.68	319.7	---	PASS
GPRS850	251	246.77	317.5	---	PASS
EGPRS850	128	248.57	319.0	---	PASS
EGPRS850	190	257.00	321.3	---	PASS
EGPRS850	251	251.47	322.1	---	PASS
GSM1900	512	241.56	302.8	---	PASS
GSM1900	661	242.02	305.1	---	PASS
GSM1900	810	240.35	304.8	---	PASS
GPRS1900	512	244.57	318.0	---	PASS
GPRS1900	661	244.27	318.5	---	PASS
GPRS1900	810	244.28	310.5	---	PASS
EGPRS1900	512	256.48	323.0	---	PASS
EGPRS1900	661	255.63	321.0	---	PASS
EGPRS1900	810	255.19	326.4	---	PASS

Test Graphs



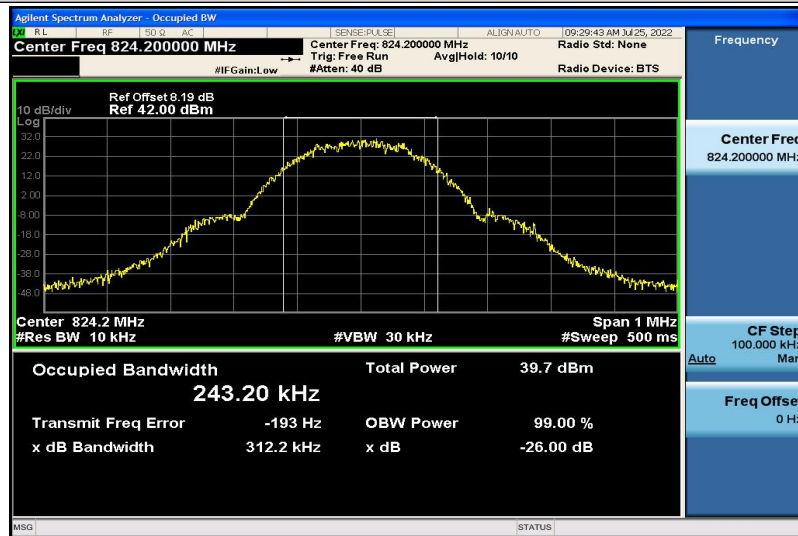
GSM850-128



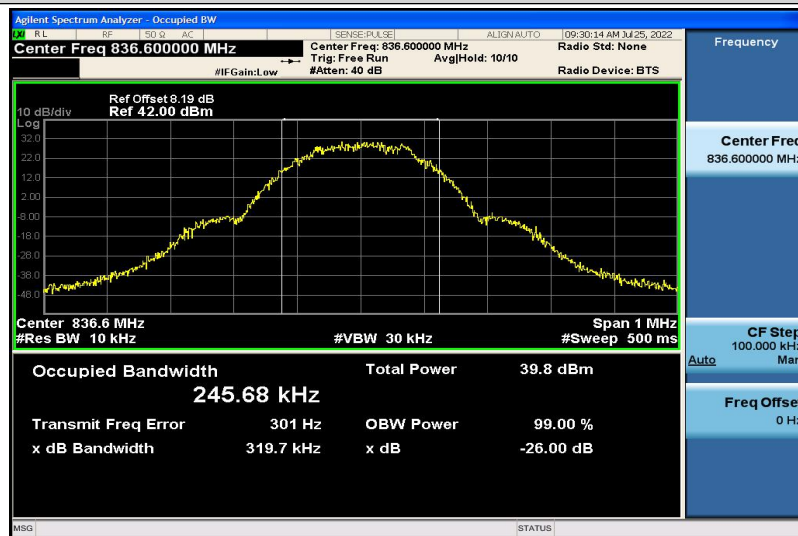
GSM850-190



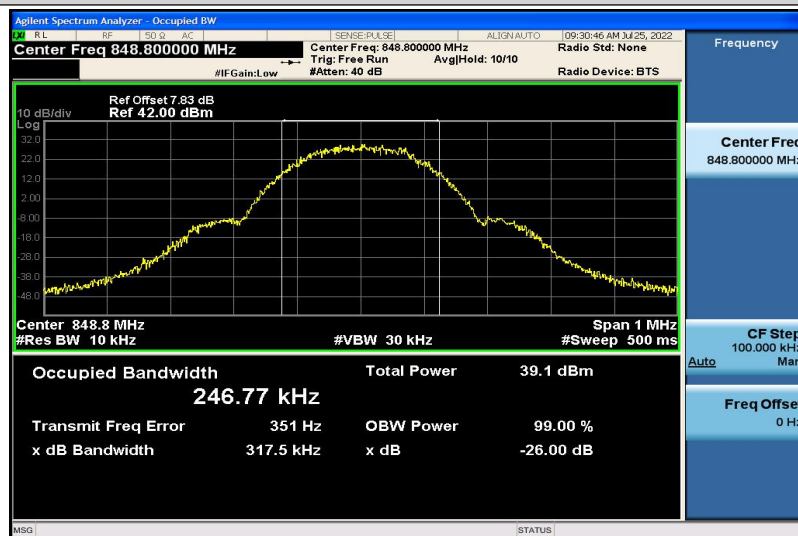
GSM850-251



GPRS850-128



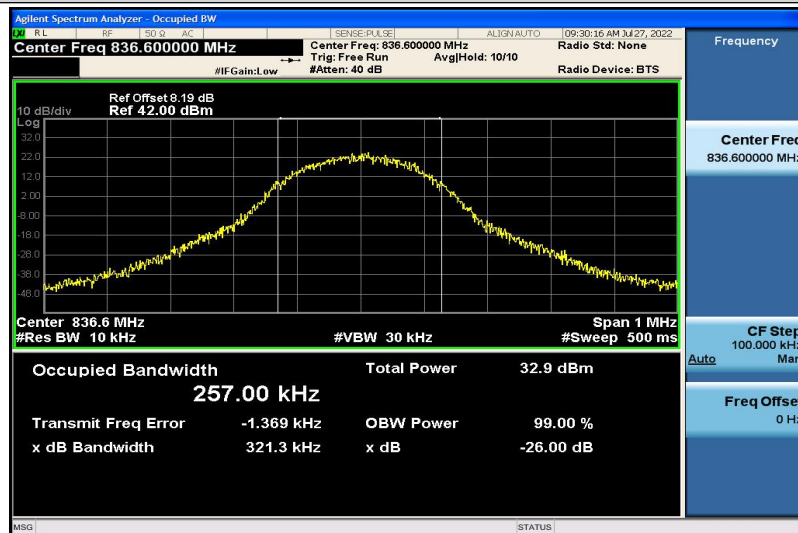
GPRS850-190



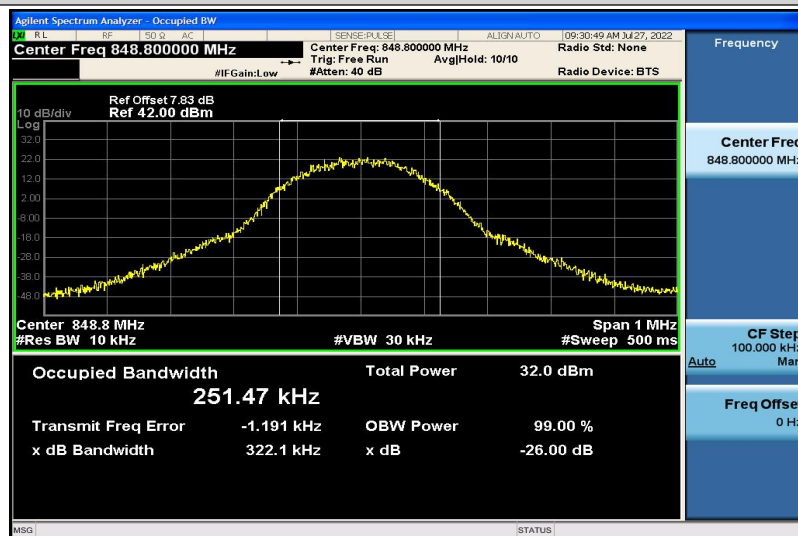
GPRS850-251



EGPRS850-128



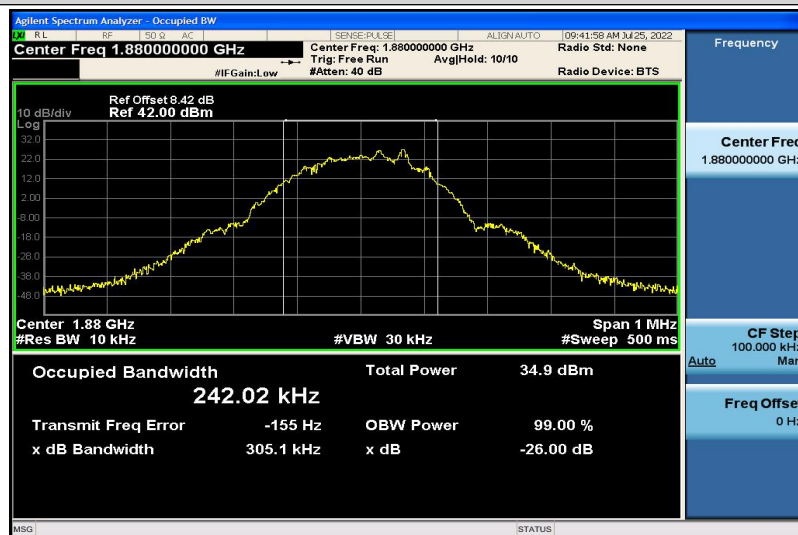
EGPRS850-190



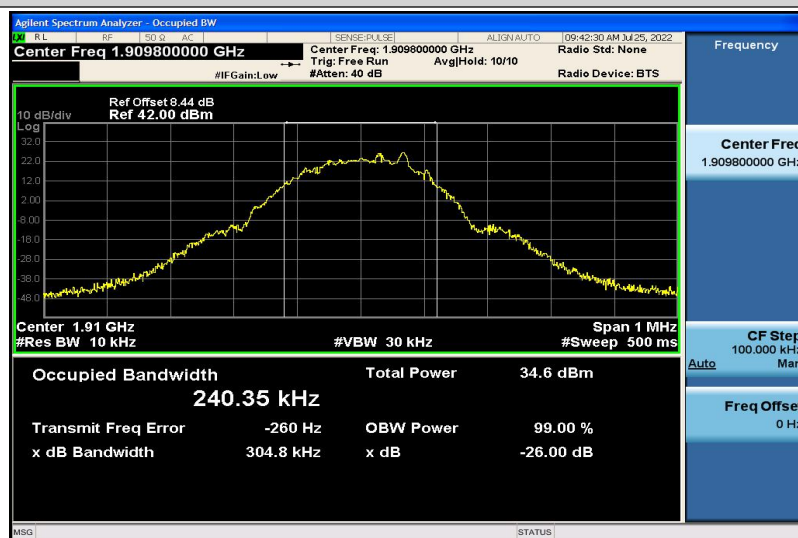
EGPRS850-251



GSM1900-512



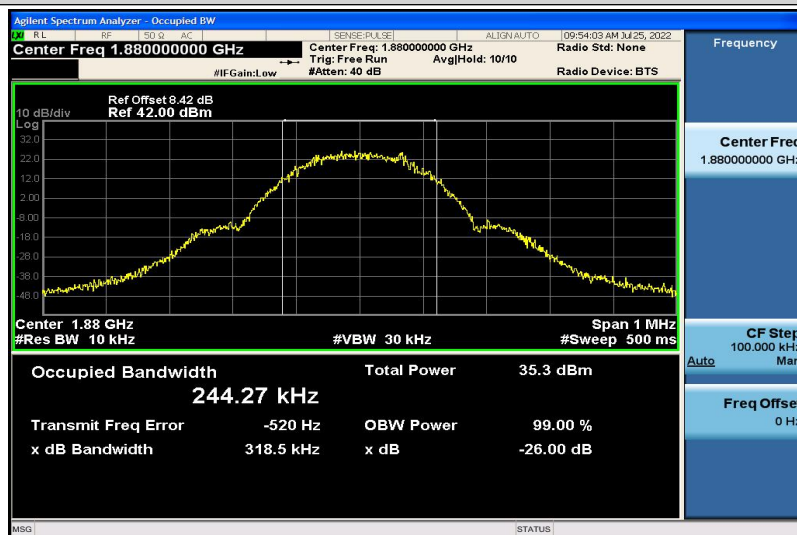
GSM1900-661



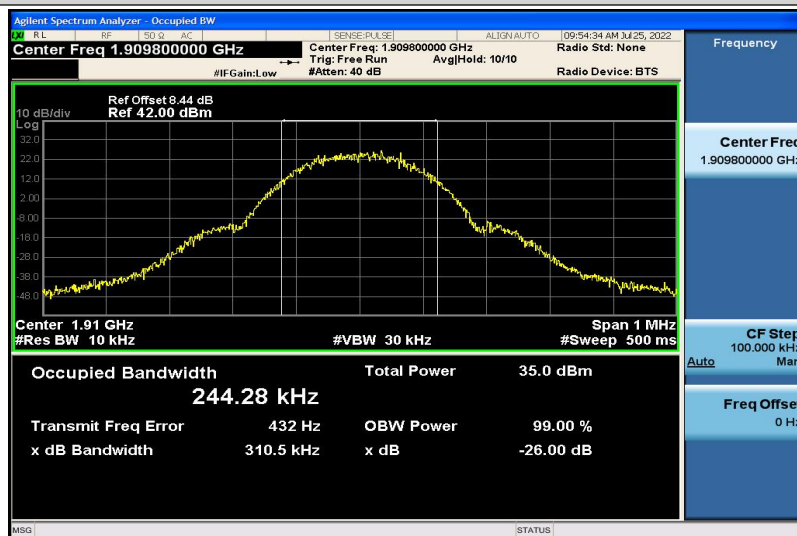
GSM1900-810



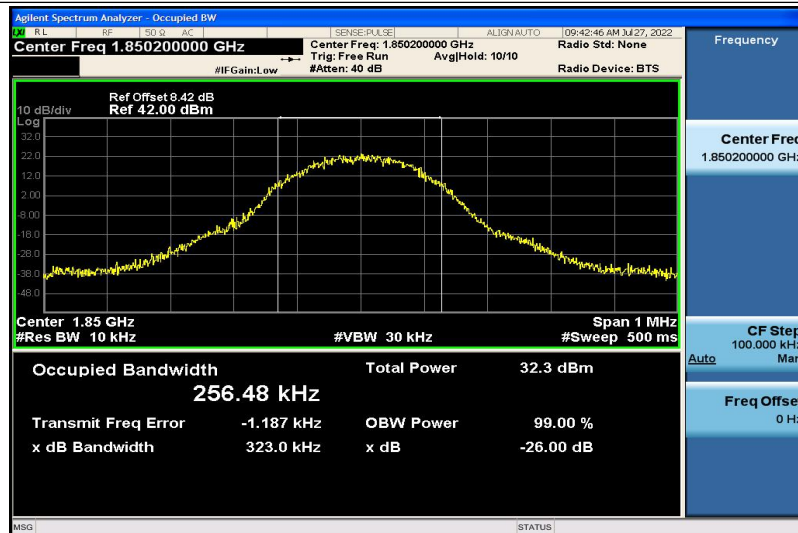
GPRS1900-512



GPRS1900-661



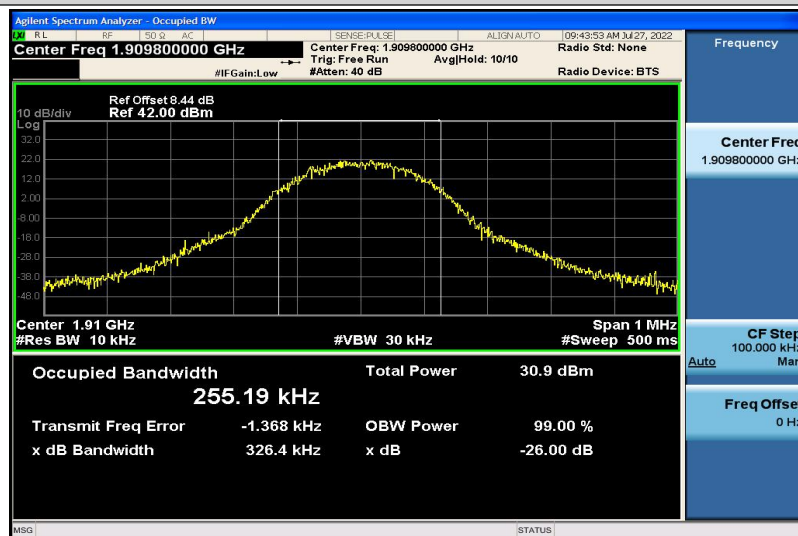
GPRS1900-810



EGPRS1900-512



EGPRS1900-661



EGPRS1900-810

8.4 Appendix D: Band Edge

Test Result

Band	Channel	Value(dBm)	Limit(dBm)	Verdict
GSM850	128	-25.11	-13	PASS
GSM850	251	-26.62	-13	PASS
GPRS850	128	-27.43	-13	PASS
GPRS850	251	-26.20	-13	PASS
EGPRS850	128	-37.31	-13	PASS
EGPRS850	251	-36.37	-13	PASS
GSM1900	512	-28.39	-13	PASS
GSM1900	810	-29.90	-13	PASS
GPRS1900	512	-29.06	-13	PASS
GPRS1900	810	-31.12	-13	PASS
EGPRS1900	512	-32.66	-13	PASS
EGPRS1900	810	-36.02	-13	PASS

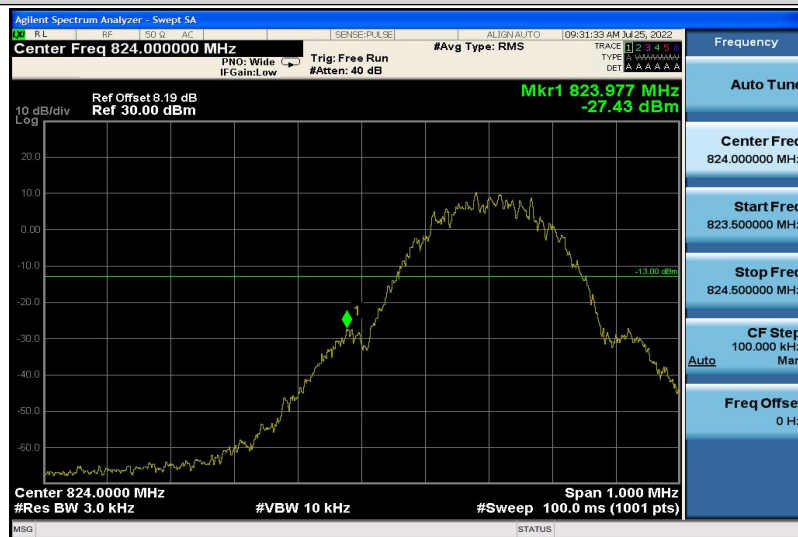
Test Graphs



GSM850-128



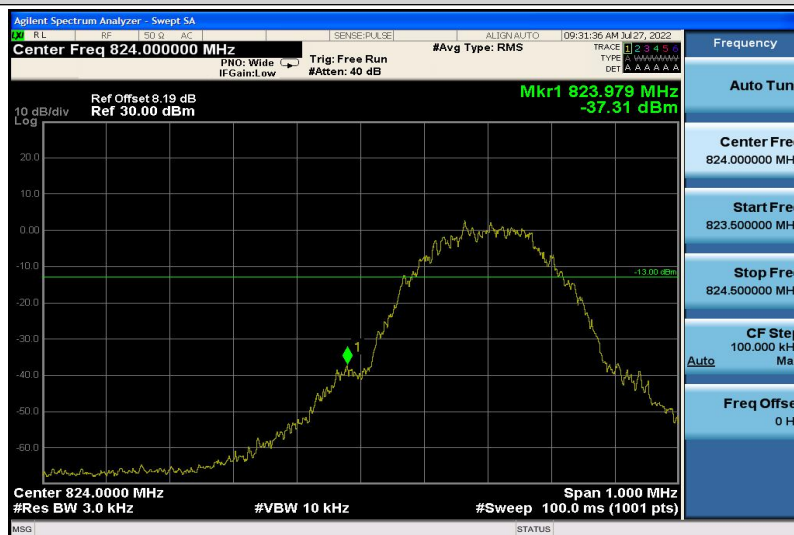
GSM850-251



GPRS850-128



GPRS850-251



EGPRS850-128



EGPRS850-251



GSM1900-512



GSM1900-810



GPRS1900-512