APPENDIX REPORT

Project No.	SHT2407056602W	Radio Specification	GSM
Test sample No.	YPHT24070566003	Model No.	Q-3588S
Start test date	2024-08-20	Finish date	2024-08-23
Temperature	24.5℃	Humidity	52%
Test Engineer	Xiangyu Wei	Auditor	Xiaodong Zhao

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

Appendix A: Conducted Output Power

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
GSM850	128	32.55	38.45	PASS
GSM850	190	32.59	38.45	PASS
GSM850	251	32.59	38.45	PASS
GSM1900	512	30.31	33.00	PASS
GSM1900	661	30.28	33.00	PASS
GSM1900	810	30.28	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.09	38.45	PASS
GPRS850	128	2	31.53	38.45	PASS
GPRS850	128	3	29.74	38.45	PASS
GPRS850	128	4	28.54	38.45	PASS
GPRS850	190	1	32.43	38.45	PASS
GPRS850	190	2	31.62	38.45	PASS
GPRS850	190	3	29.83	38.45	PASS
GPRS850	190	4	28.66	38.45	PASS
GPRS850	251	1	32.47	38.45	PASS
GPRS850	251	2	31.67	38.45	PASS
GPRS850	251	3	29.89	38.45	PASS
GPRS850	251	4	28.74	38.45	PASS
GPRS1900	512	1	30.33	33.00	PASS
GPRS1900	512	2	29.60	33.00	PASS
GPRS1900	512	3	27.83	33.00	PASS
GPRS1900	512	4	26.72	33.00	PASS
GPRS1900	661	1	30.31	33.00	PASS
GPRS1900	661	2	29.59	33.00	PASS
GPRS1900	661	3	27.82	33.00	PASS
GPRS1900	661	4	26.71	33.00	PASS
GPRS1900	810	1	30.26	33.00	PASS
GPRS1900	810	2	29.55	33.00	PASS
GPRS1900	810	3	27.80	33.00	PASS
GPRS1900	810	4	26.67	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	26.76	38.45	PASS
EGPRS850	128	2	25.59	38.45	PASS
EGPRS850	128	3	23.30	38.45	PASS
EGPRS850	128	4	21.91	38.45	PASS

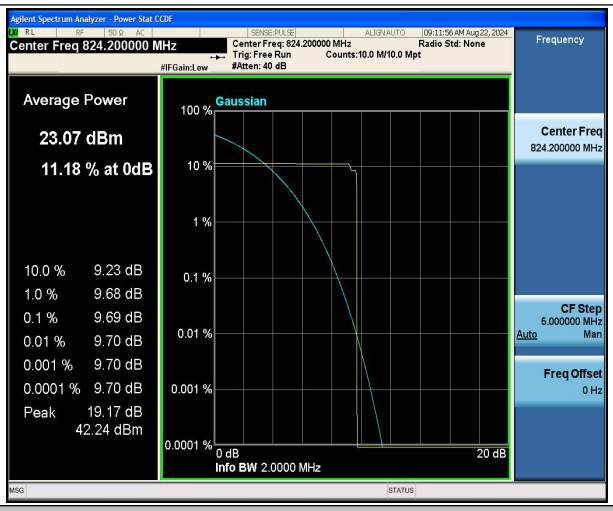
EGPRS850	190	1	26.79	38.45	PASS
EGPRS850	190	2	25.66	38.45	PASS
EGPRS850	190	3	23.39	38.45	PASS
EGPRS850	190	4	22.03	38.45	PASS
EGPRS850	251	1	26.87	38.45	PASS
EGPRS850	251	2	25.72	38.45	PASS
EGPRS850	251	3	23.45	38.45	PASS
EGPRS850	251	4	22.10	38.45	PASS
EGPRS1900	512	1	27.23	33.00	PASS
EGPRS1900	512	2	26.29	33.00	PASS
EGPRS1900	512	3	24.33	33.00	PASS
EGPRS1900	512	4	23.19	33.00	PASS
EGPRS1900	661	1	27.08	33.00	PASS
EGPRS1900	661	2	26.10	33.00	PASS
EGPRS1900	661	3	24.17	33.00	PASS
EGPRS1900	661	4	23.06	33.00	PASS
EGPRS1900	810	1	26.94	33.00	PASS
EGPRS1900	810	2	25.98	33.00	PASS
EGPRS1900	810	3	24.03	33.00	PASS
EGPRS1900	810	4	22.98	33.00	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

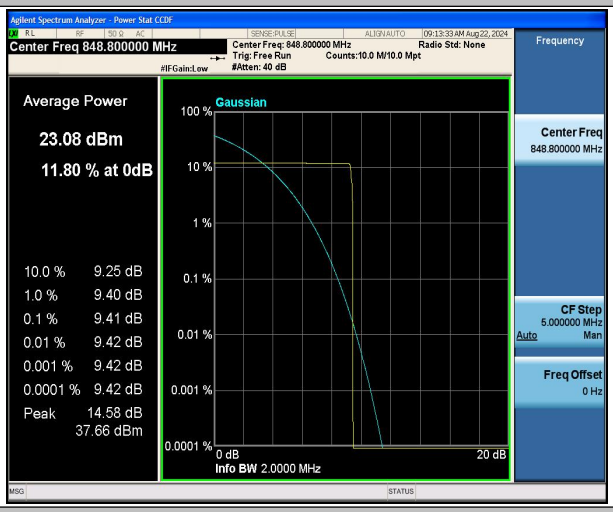
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.69	13	PASS
GSM850	190	9.64	13	PASS
GSM850	251	9.41	13	PASS
GPRS850	128	9.51	13	PASS
GPRS850	190	9.65	13	PASS
GPRS850	251	9.67	13	PASS
EGPRS850	128	12.34	13	PASS
EGPRS850	190	12.21	13	PASS
EGPRS850	251	12.19	13	PASS
GSM1900	512	9.47	13	PASS
GSM1900	661	9.37	13	PASS
GSM1900	810	9.56	13	PASS
GPRS1900	512	9.74	13	PASS
GPRS1900	661	9.76	13	PASS
GPRS1900	810	9.59	13	PASS
EGPRS1900	512	12.39	13	PASS
EGPRS1900	661	12.80	13	PASS
EGPRS1900	810	12.42	13	PASS

Test Graphs

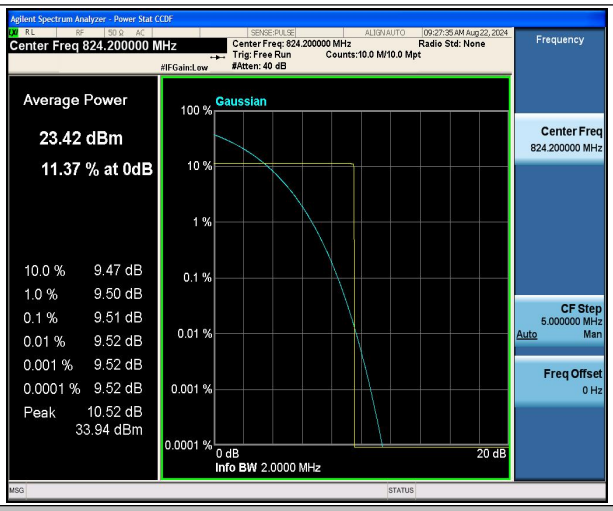


GSM850-128-5-PASS

GSM850-190-5-PASS



GSM850-251-5-PASS



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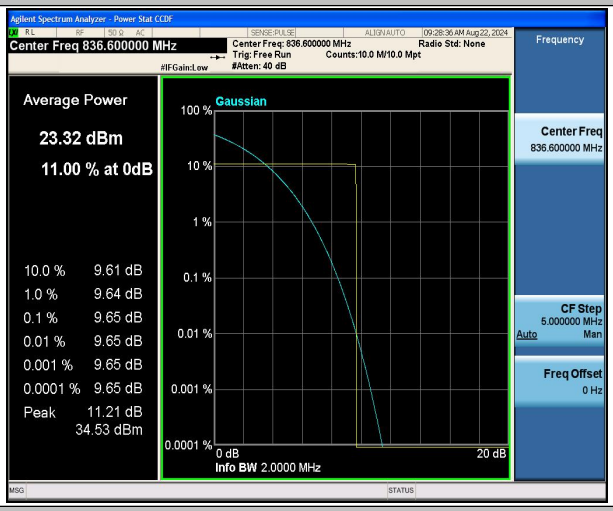

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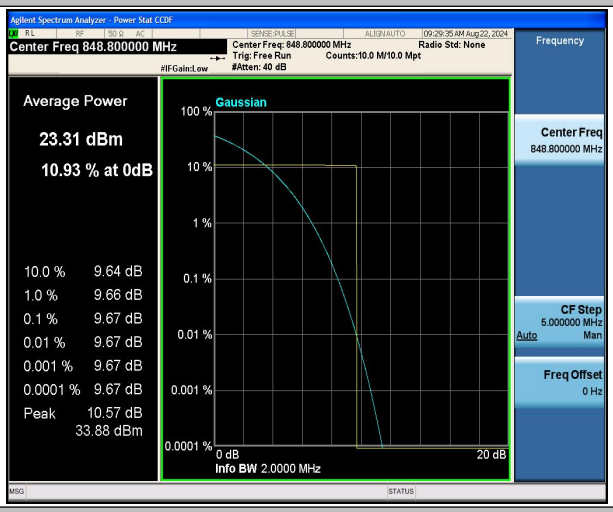
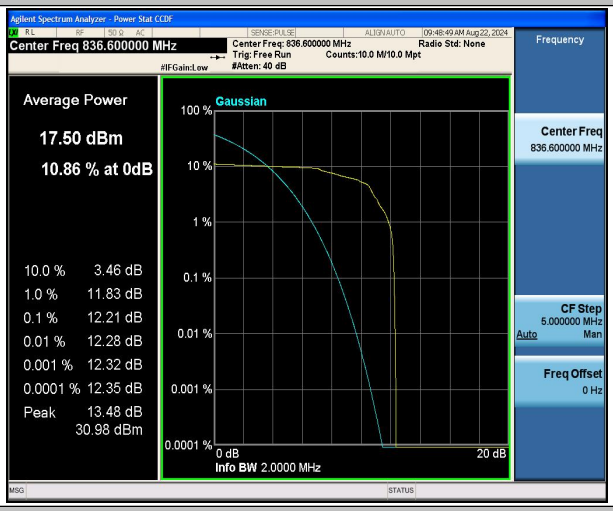


GPRS850-251-5-PASS

EGPRS850-128-8-PASS



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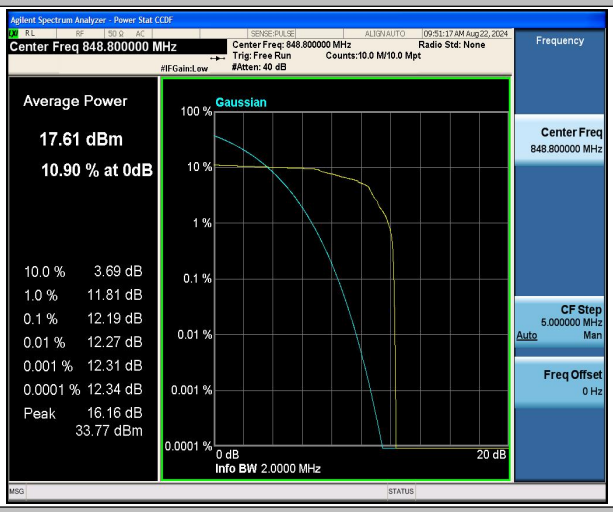

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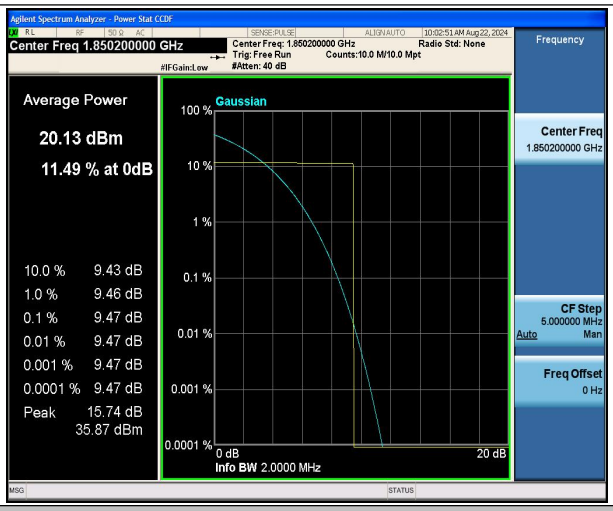
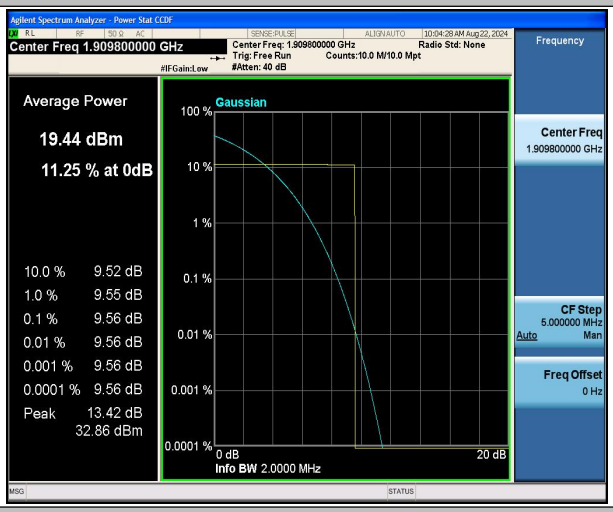


GSM1900-512-0-PASS

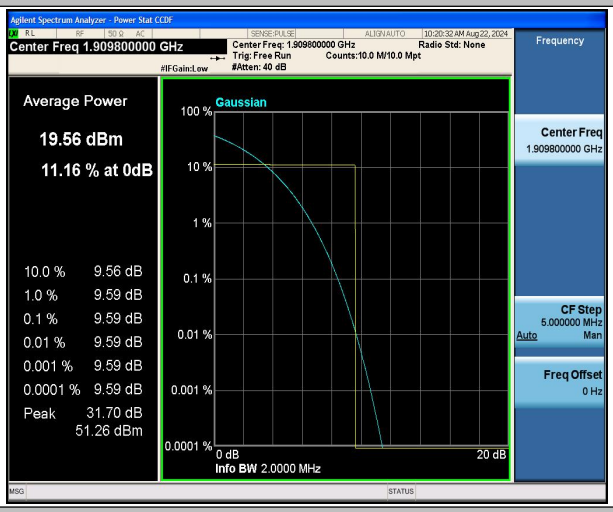
GSM1900-661-0-PASS



GSM1900-810-0-PASS

GPRS1900-512-0-PASS

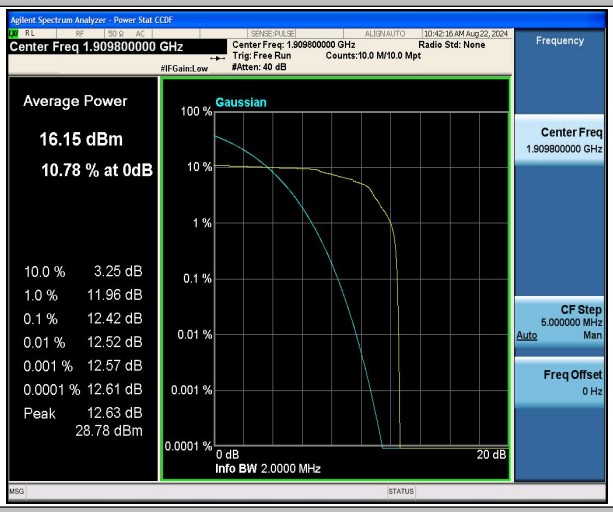
GPRS1900-661-0-PASS



GPRS1900-810-0-PASS

EGPRS1900-512-2-PASS

EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS

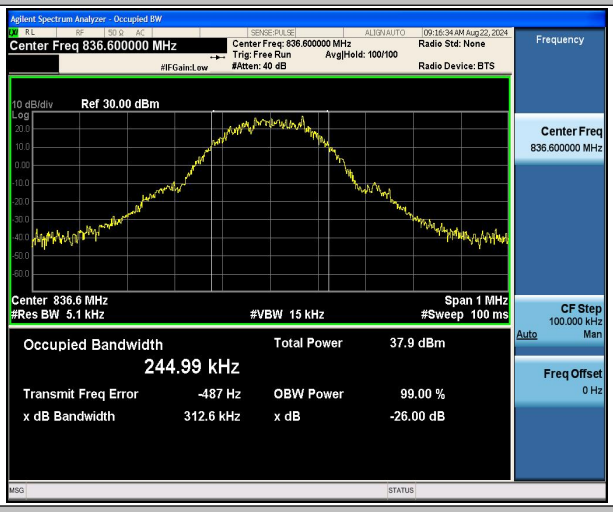
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24735	0.3100	---	PASS
GSM850	190	0.24499	0.3126	---	PASS
GSM850	251	0.24481	0.3174	---	PASS
GPRS850	128	0.24475	0.3161	---	PASS
GPRS850	190	0.24809	0.3147	---	PASS
GPRS850	251	0.24610	0.3159	---	PASS
EGPRS850	128	0.24860	0.3129	---	PASS
EGPRS850	190	0.24868	0.3139	---	PASS
EGPRS850	251	0.24697	0.3086	---	PASS
GSM1900	512	0.24716	0.3077	---	PASS
GSM1900	661	0.24379	0.3022	---	PASS
GSM1900	810	0.24289	0.3095	---	PASS
GPRS1900	512	0.24664	0.3167	---	PASS
GPRS1900	661	0.24615	0.3176	---	PASS
GPRS1900	810	0.25102	0.3181	---	PASS
EGPRS1900	512	0.24675	0.3109	---	PASS
EGPRS1900	661	0.24990	0.3203	---	PASS
EGPRS1900	810	0.25124	0.3207	---	PASS

Test Graphs

GSM850-128-5-PASS



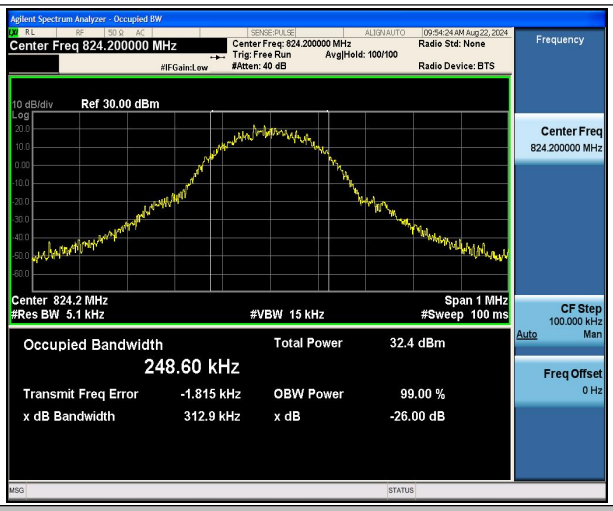
GSM850-190-5-PASS

GSM850-251-5-PASS

GPRS850-128-5-PASS

GPRS850-190-5-PASS

GPRS850-251-5-PASS



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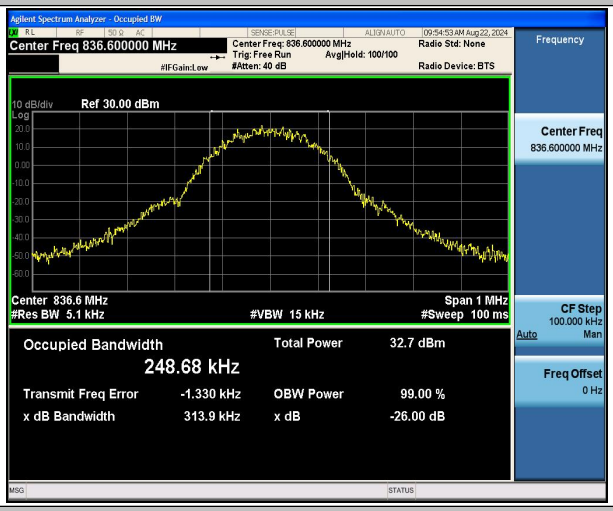
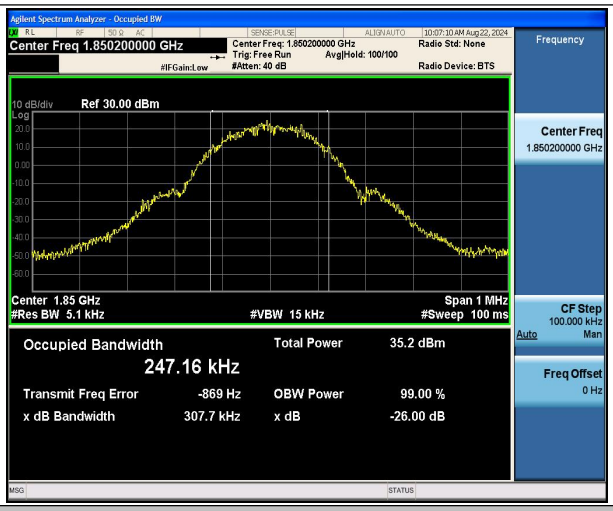


EGPRS850-190-8-PASS

EGPRS850-251-8-PASS



GSM1900-512-0-PASS

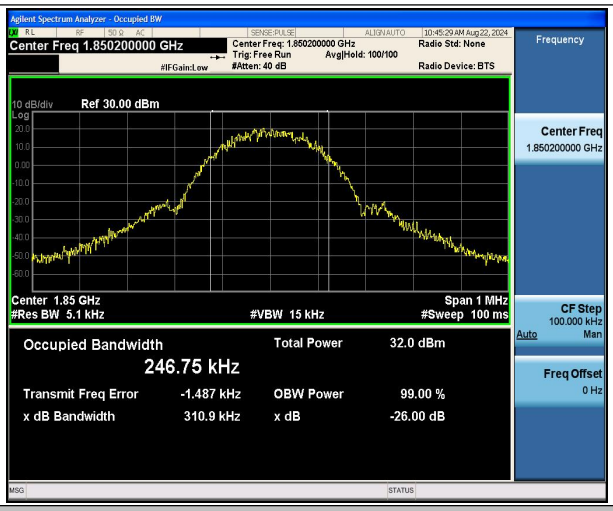
GSM1900-661-0-PASS

GSM1900-810-0-PASS

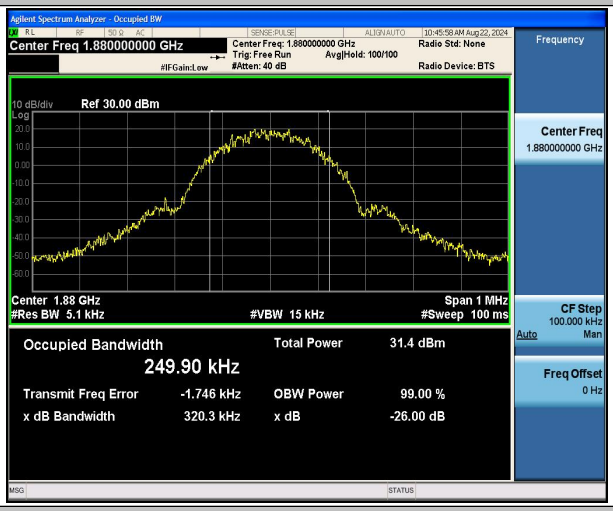
GPRS1900-512-0-PASS

GPRS1900-661-0-PASS

GPRS1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS

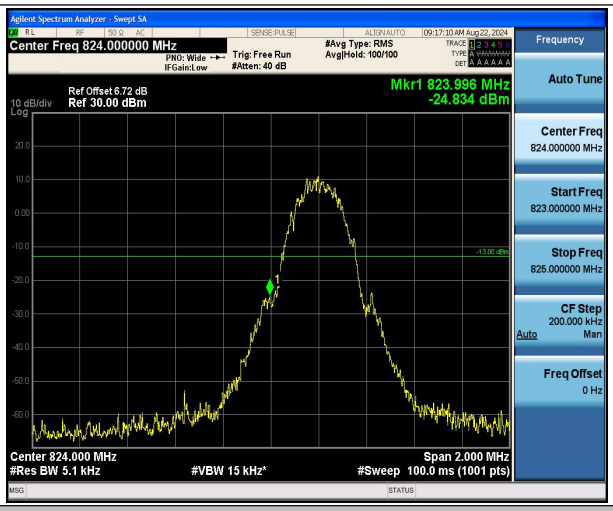
EGPRS1900-810-2-PASS

Appendix D: Band Edge

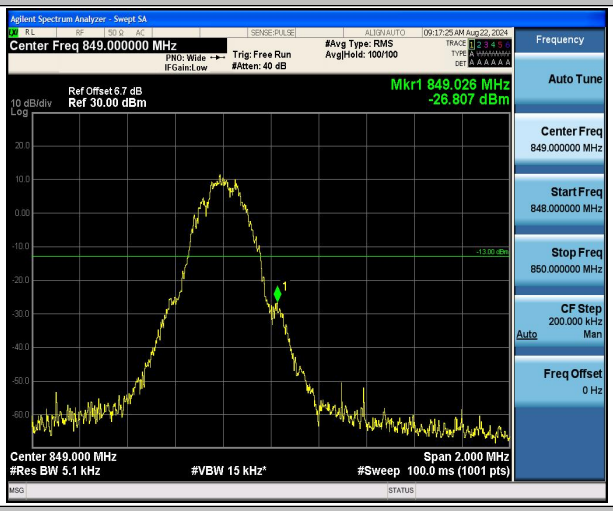
Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	824.00	-24.83	-13	PASS
GSM850	251	849.03	-26.81	-13	PASS
GPRS850	128	823.98	-23.63	-13	PASS
GPRS850	251	849.02	-25.09	-13	PASS
EGPRS850	128	824.00	-33.91	-13	PASS
EGPRS850	251	849.00	-33.45	-13	PASS
GSM1900	512	1849.98	-29.02	-13	PASS
GSM1900	810	1910.02	-27.51	-13	PASS
GPRS1900	512	1849.98	-29.25	-13	PASS
GPRS1900	810	1910.01	-30.29	-13	PASS
EGPRS1900	512	1849.98	-35.49	-13	PASS
EGPRS1900	810	1910.02	-36.43	-13	PASS

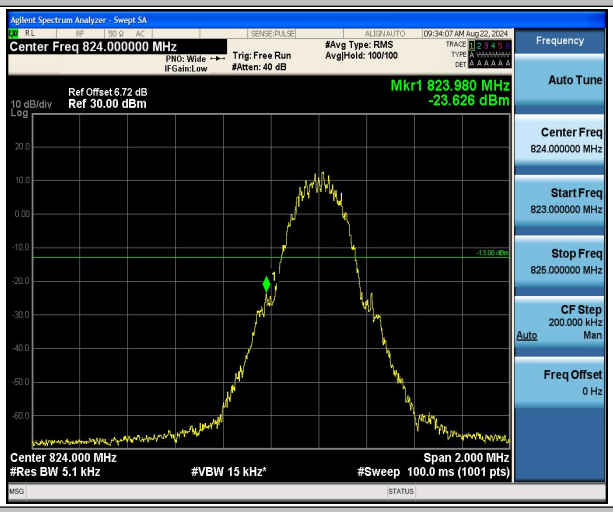
Test Graphs



GSM850-128-5-PASS



GSM850-251-5-PASS



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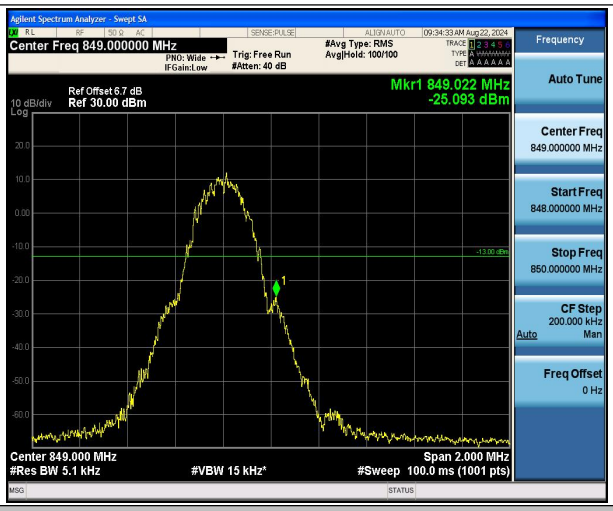

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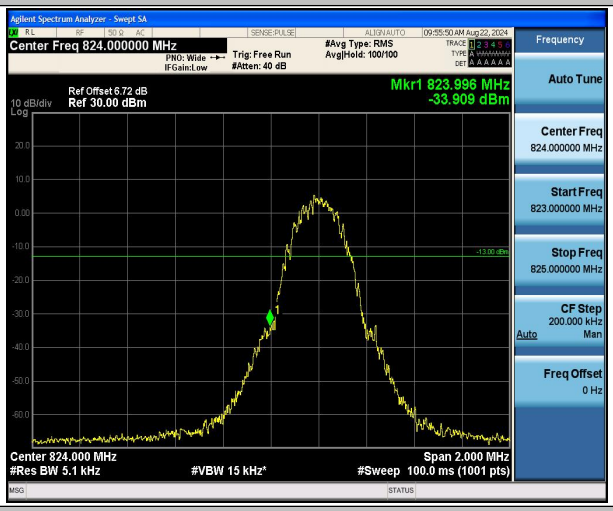
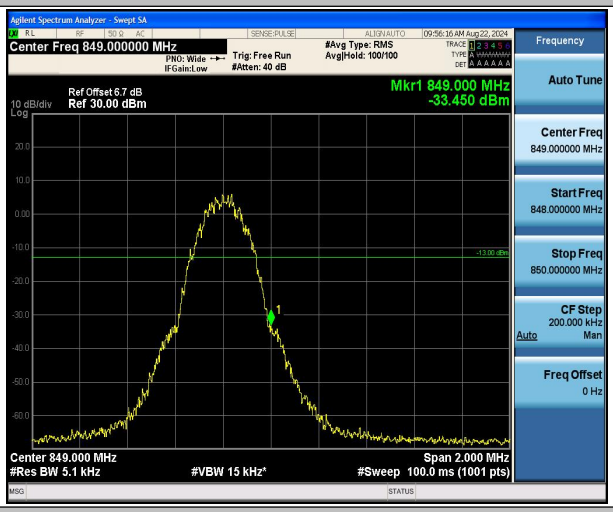


EGPRS850-128-8-PASS



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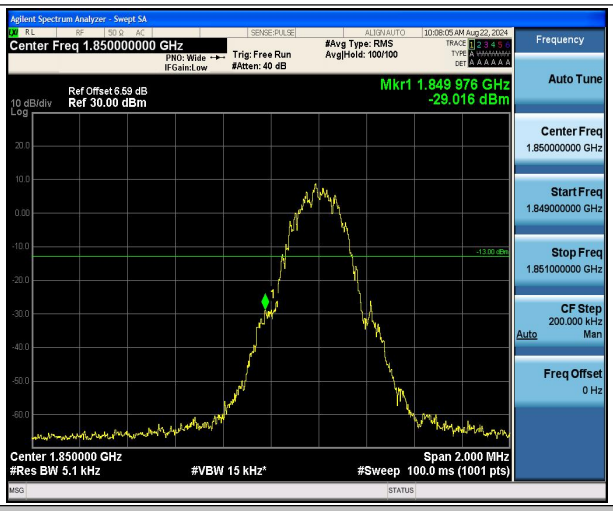
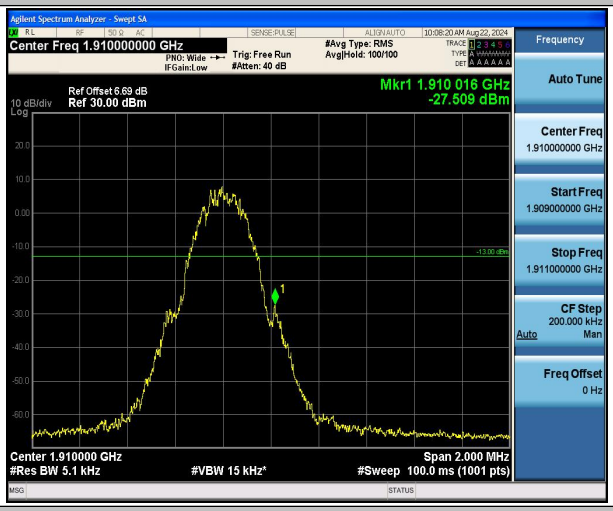
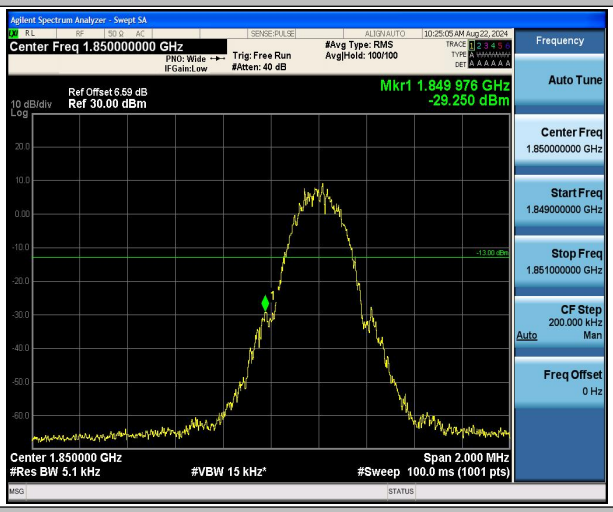


GSM1900-512-0-PASS



GSM1900-810-0-PASS



GPRS1900-512-0-PASS