

GSM Test Data

General Description of EUT	
Product Name:	Smart POS Payment Terminal
Test Model:	CM30
Sample ID:	202311-0170-7-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 24V
Test Engineer:	Yan zhen ming
Note: For a more detailed features description, please refer to the report TBR-C-202311-0170-85 . The report only show the worst case data.	

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1. Conducted Power Output Data

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
GSM850	128	32.05	38.45	PASS
GSM850	190	32.07	38.45	PASS
GSM850	251	32.01	38.45	PASS
GSM1900	512	31.96	33.00	PASS
GSM1900	661	31.88	33.00	PASS
GSM1900	810	31.89	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	1	32.17	38.45	PASS
GPRS850	128	2	31.54	38.45	PASS
GPRS850	128	3	31.93	38.45	PASS
GPRS850	128	4	30.77	38.45	PASS
GPRS850	190	1	32.13	38.45	PASS
GPRS850	190	2	31.51	38.45	PASS
GPRS850	190	3	31.89	38.45	PASS
GPRS850	190	4	30.75	38.45	PASS
GPRS850	251	1	32.04	38.45	PASS
GPRS850	251	2	31.43	38.45	PASS
GPRS850	251	3	31.84	38.45	PASS
GPRS1900	512	1	0.00	33.00	PASS
GPRS850	251	4	30.70	38.45	PASS
GPRS1900	512	2	31.26	33.00	PASS
GPRS1900	512	3	29.47	33.00	PASS
GPRS1900	512	4	28.33	33.00	PASS
GPRS1900	661	1	31.91	33.00	PASS
GPRS1900	661	2	31.16	33.00	PASS
GPRS1900	661	3	29.38	33.00	PASS
GPRS1900	661	4	28.27	33.00	PASS
GPRS1900	810	1	31.92	33.00	PASS
GPRS1900	810	2	31.20	33.00	PASS
GPRS1900	810	3	29.48	33.00	PASS
GPRS1900	810	4	28.41	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	28.05	38.45	PASS
EGPRS850	128	2	26.81	38.45	PASS
EGPRS850	128	3	24.67	38.45	PASS
EGPRS850	128	4	23.42	38.45	PASS
EGPRS850	190	1	27.90	38.45	PASS
EGPRS850	190	2	26.77	38.45	PASS
EGPRS850	190	3	24.62	38.45	PASS
EGPRS850	190	4	23.39	38.45	PASS
EGPRS850	251	1	28.08	38.45	PASS
EGPRS850	251	2	26.95	38.45	PASS
EGPRS850	251	3	24.86	38.45	PASS
EGPRS850	251	4	23.59	38.45	PASS
EGPRS1900	512	1	26.91	33.00	PASS
EGPRS1900	512	2	25.86	33.00	PASS
EGPRS1900	512	3	23.81	33.00	PASS
EGPRS1900	512	4	22.55	33.00	PASS
EGPRS1900	661	1	26.84	33.00	PASS
EGPRS1900	661	2	25.81	33.00	PASS
EGPRS1900	661	3	23.77	33.00	PASS
EGPRS1900	661	4	22.51	33.00	PASS
EGPRS1900	810	1	27.44	33.00	PASS
EGPRS1900	810	2	26.37	33.00	PASS
EGPRS1900	810	3	24.32	33.00	PASS
EGPRS1900	810	4	23.13	33.00	PASS

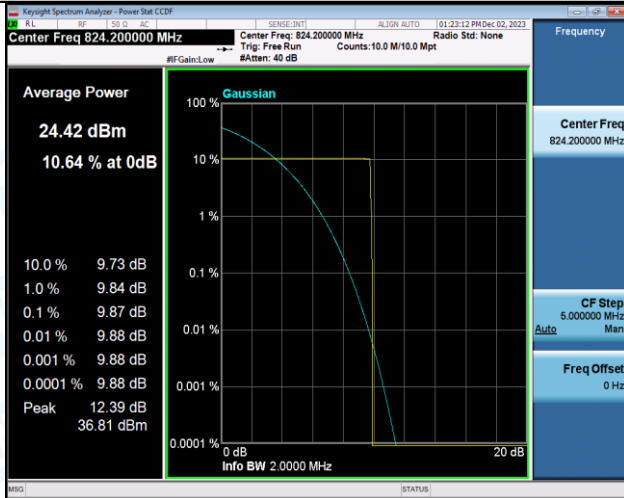
2. Peak-to-Average Ratio(CCDF)

Test Result

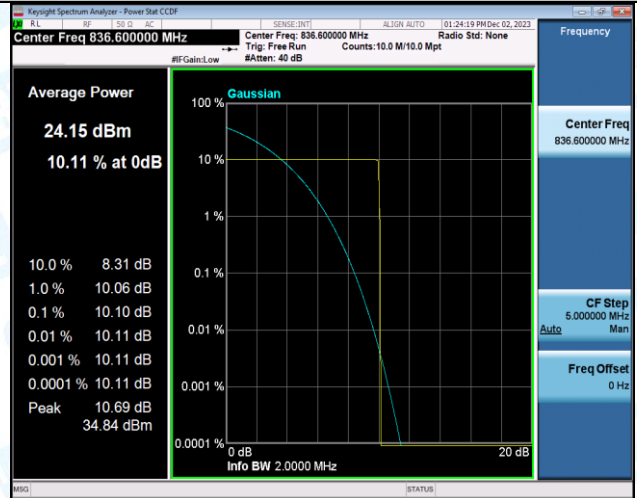
Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.87	13	PASS
GSM850	190	10.10	13	PASS
GSM850	251	9.60	13	PASS
GSM1900	512	9.65	13	PASS
GSM1900	661	9.48	13	PASS
GSM1900	810	9.29	13	PASS
GPRS850	128	9.80	13	PASS
GPRS850	190	9.64	13	PASS
GPRS850	251	9.58	13	PASS
EGPRS850	128	12.29	13	PASS
EGPRS850	190	12.35	13	PASS
EGPRS850	251	12.26	13	PASS
GPRS1900	512	9.69	13	PASS
GPRS1900	661	9.02	13	PASS
GPRS1900	810	9.65	13	PASS
EGPRS1900	512	12.34	13	PASS
EGPRS1900	661	12.57	13	PASS
EGPRS1900	810	12.25	13	PASS

Test Graphs

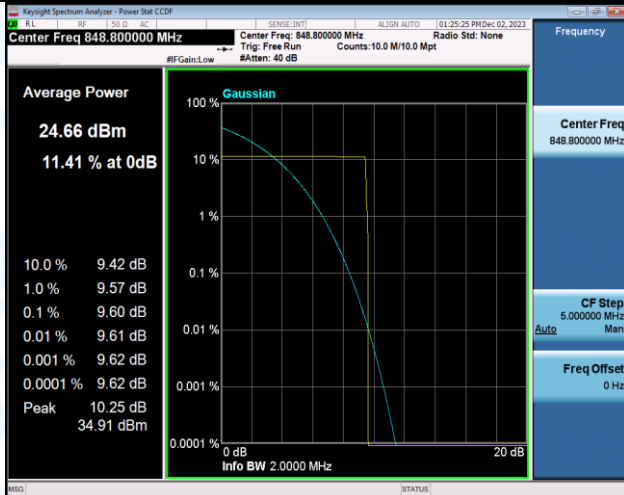
GSM850-128-5-PASS



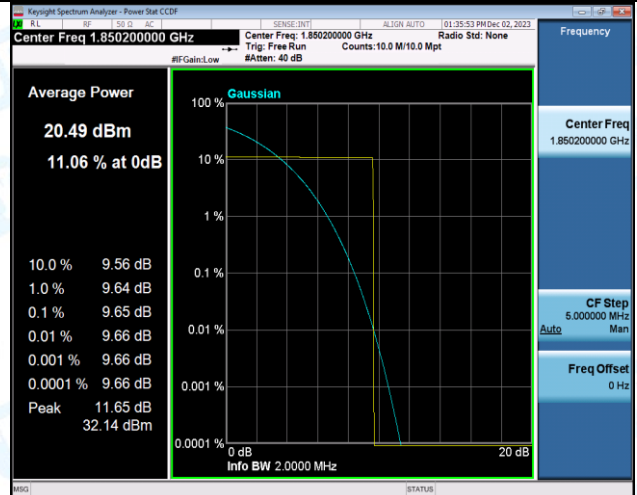
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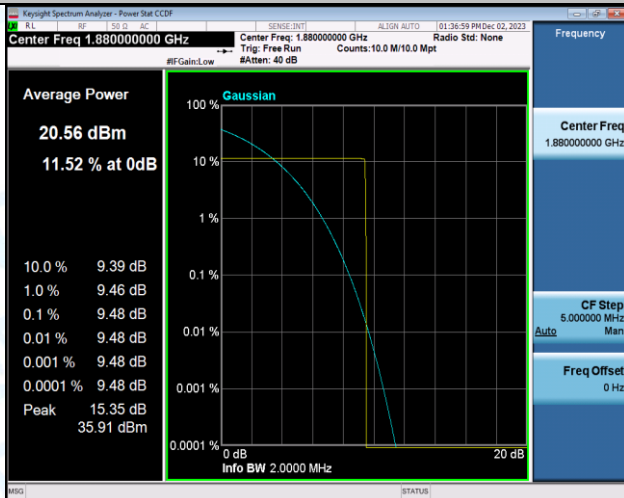
GSM850-251-5-PASS



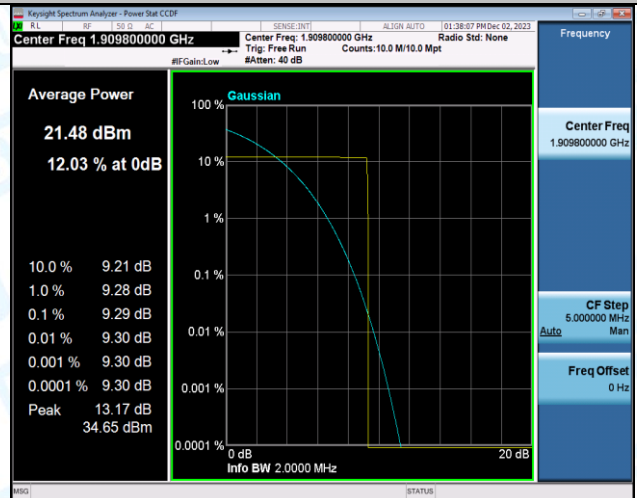
GSM1900-512-0-PASS



GSM1900-661-0-PASS

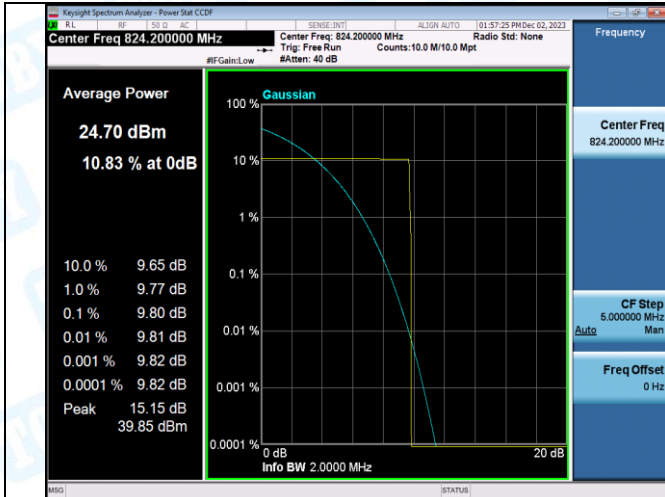


GSM1900-810-0-PASS

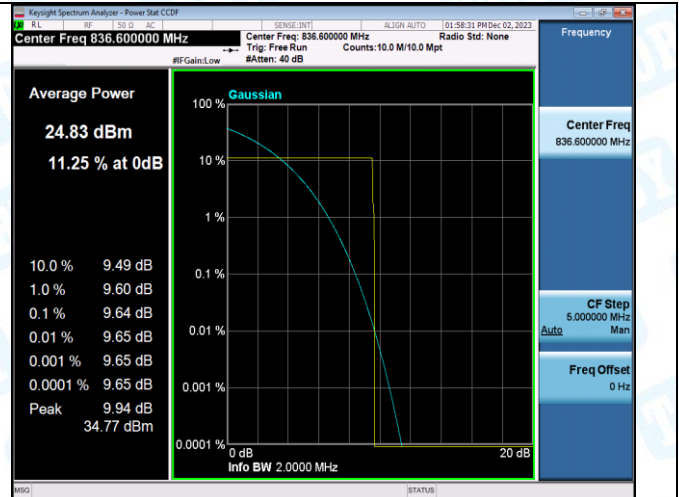


GPRS850-128-5-PASS

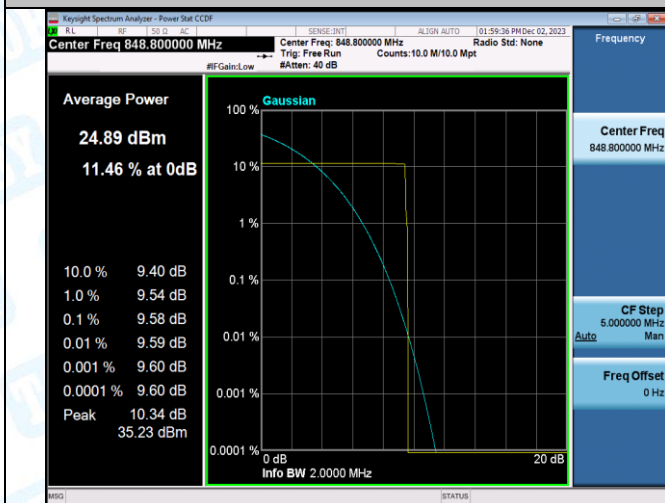
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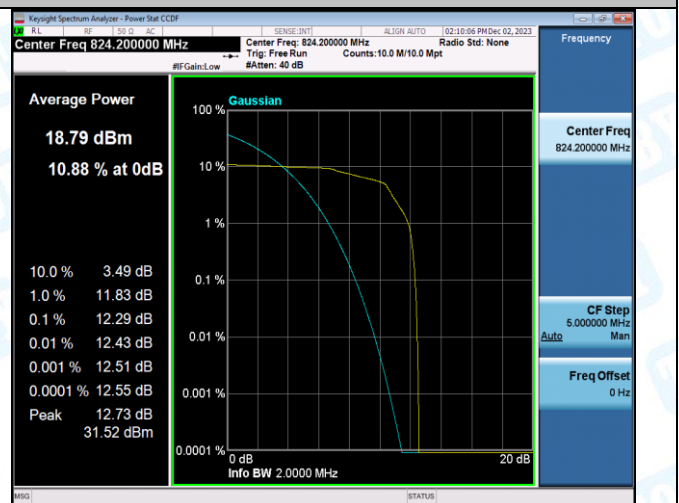
GPRS850-251-5-PASS



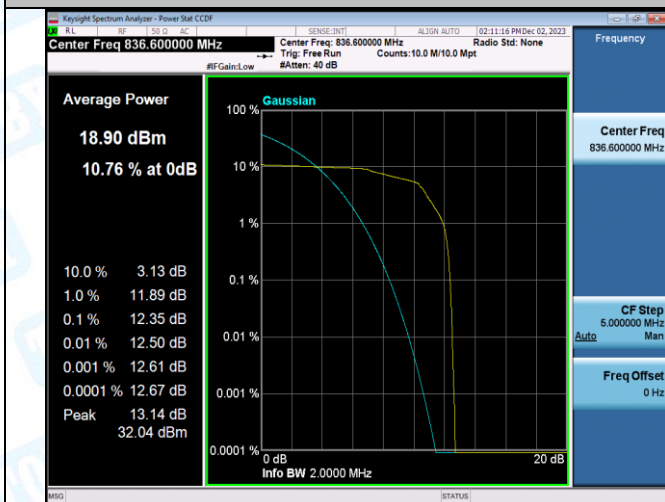
EGPRS850-128-8-PASS



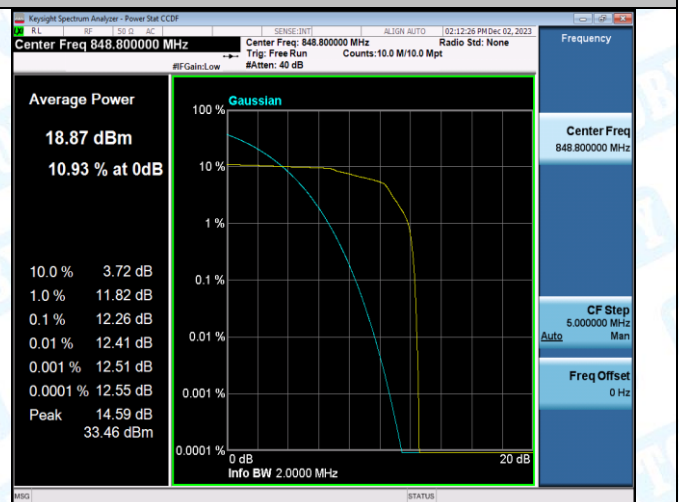
EGPRS850-190-8-PASS



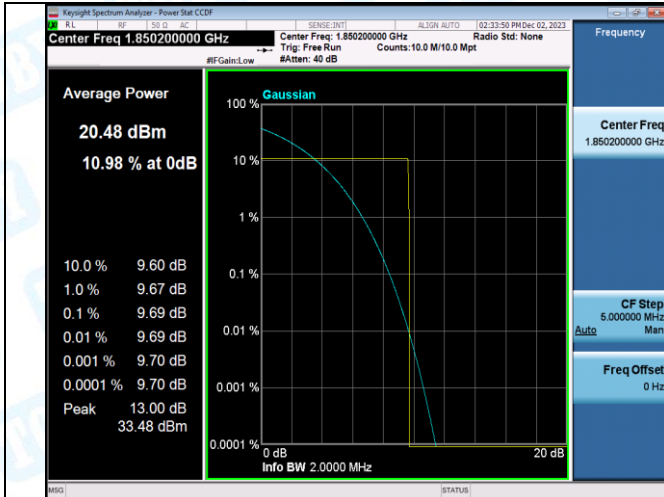
EGPRS850-251-8-PASS



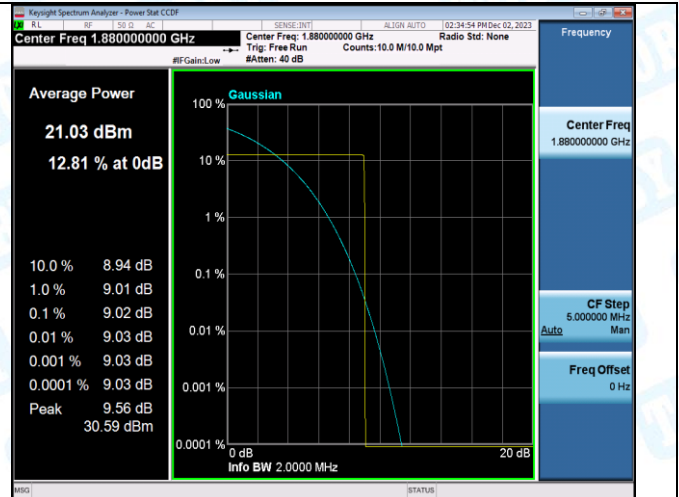
GPRS1900-512-0-PASS



GPRS1900-661-0-PASS



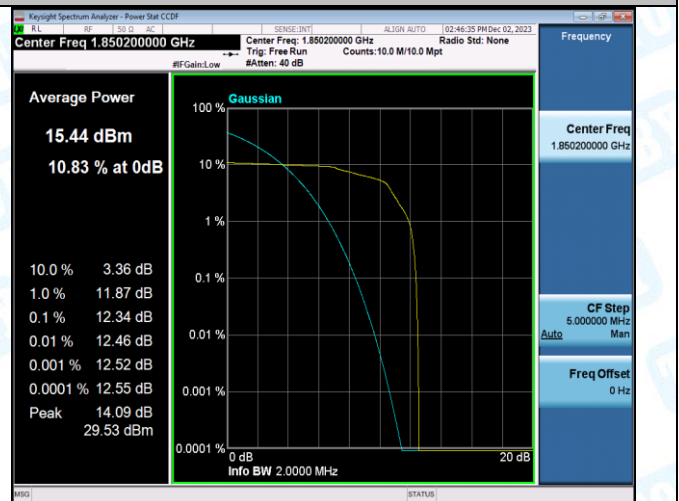
GPRS1900-810-0-PASS



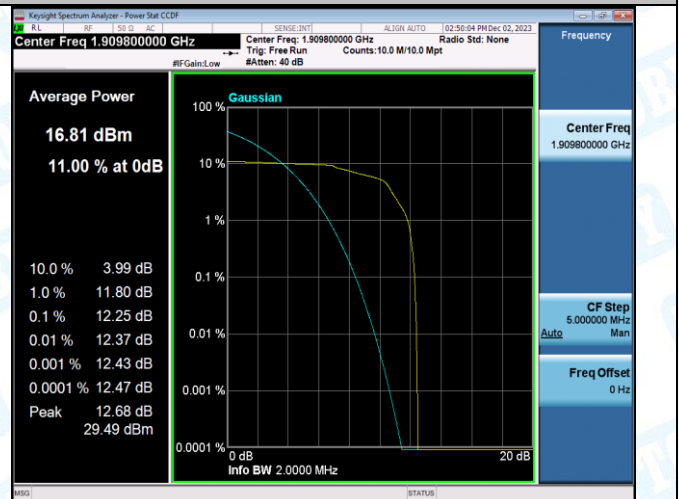
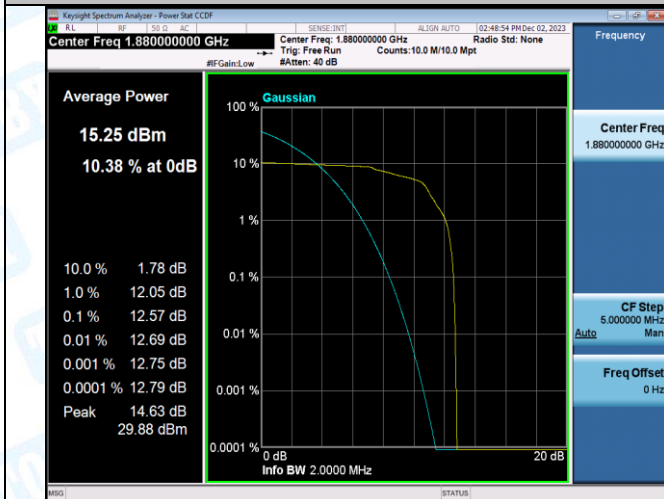
EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



EGPRS1900-810-2-PASS

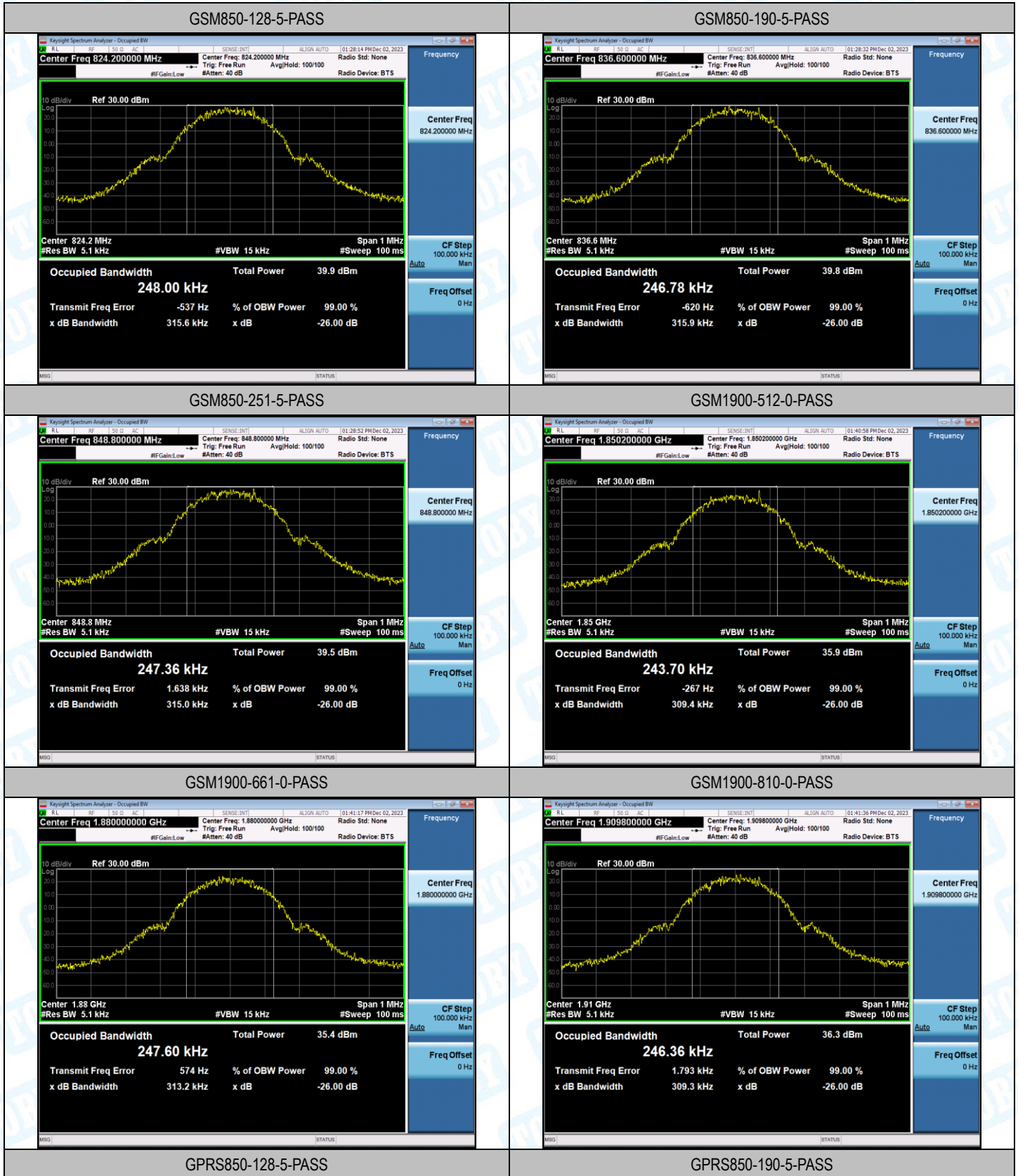


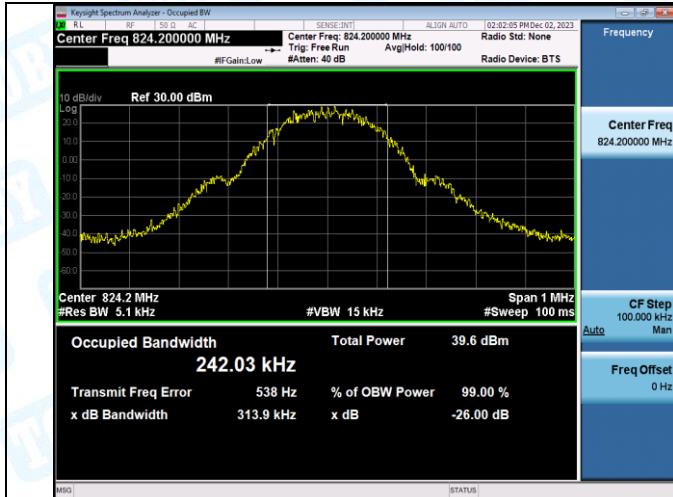
3. 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24800	0.3156	---	PASS
GSM850	190	0.24678	0.3159	---	PASS
GSM850	251	0.24736	0.3150	---	PASS
GSM1900	512	0.24370	0.3094	---	PASS
GSM1900	661	0.24760	0.3132	---	PASS
GSM1900	810	0.24636	0.3093	---	PASS
GPRS850	128	0.24203	0.3139	---	PASS
GPRS850	190	0.24901	0.3101	---	PASS
GPRS850	251	0.24674	0.3206	---	PASS
EGPRS850	128	0.24838	0.3182	---	PASS
EGPRS850	190	0.25159	0.3131	---	PASS
EGPRS850	251	0.25088	0.3064	---	PASS
GPRS1900	512	0.24732	0.3245	---	PASS
GPRS1900	661	0.24490	0.3156	---	PASS
GPRS1900	810	0.24216	0.3178	---	PASS
EGPRS1900	512	0.25077	0.3236	---	PASS
EGPRS1900	661	0.24959	0.3178	---	PASS
EGPRS1900	810	0.24932	0.3219	---	PASS

Test Graphs

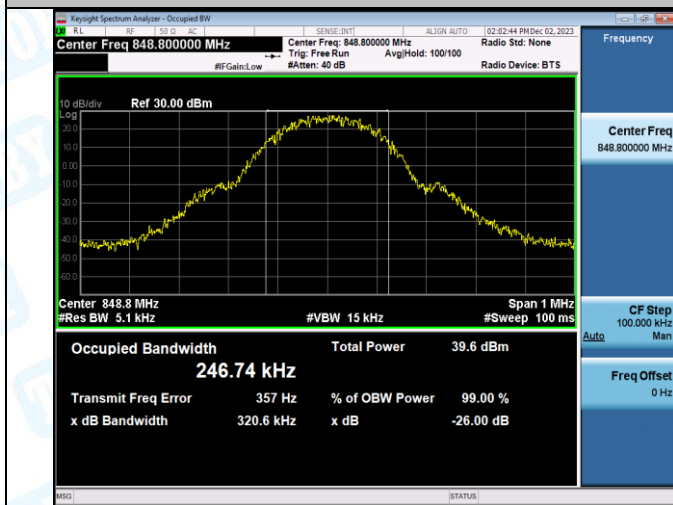




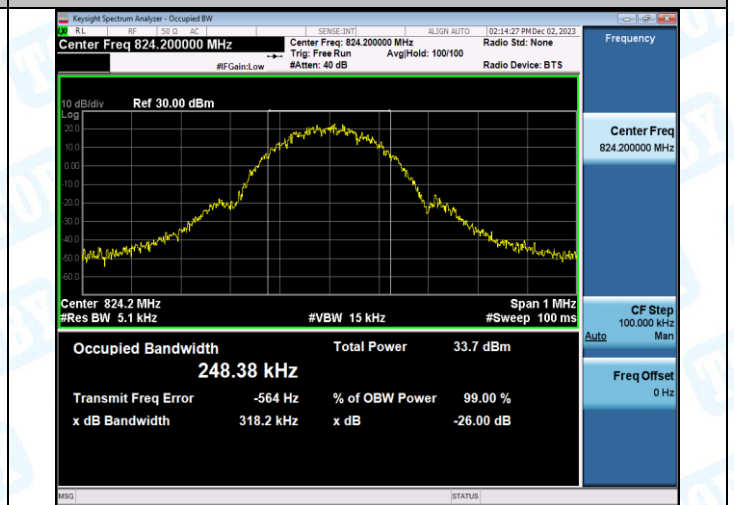
GPRS850-251-5-PASS



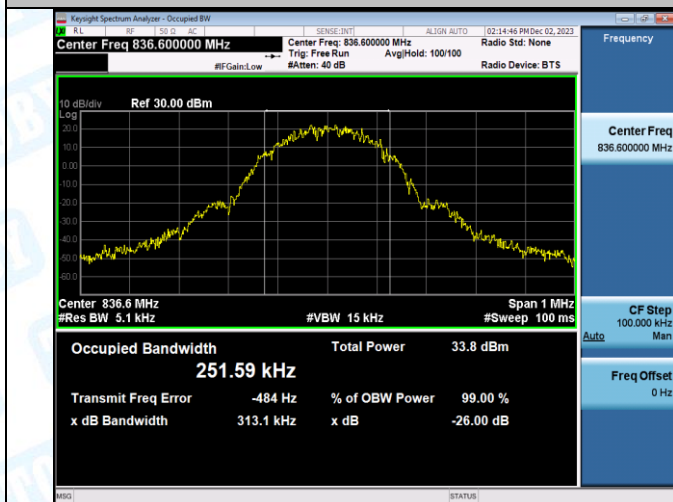
EGPRS850-128-8-PASS



EGPRS850-190-8-PASS



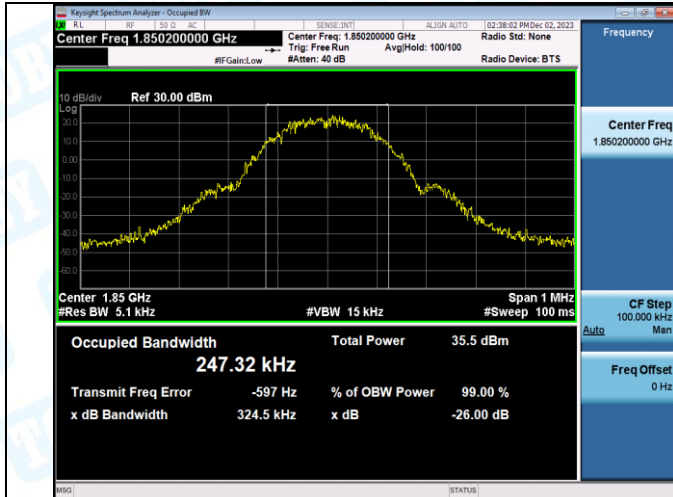
EGPRS850-251-8-PASS



GPRS1900-512-0-PASS

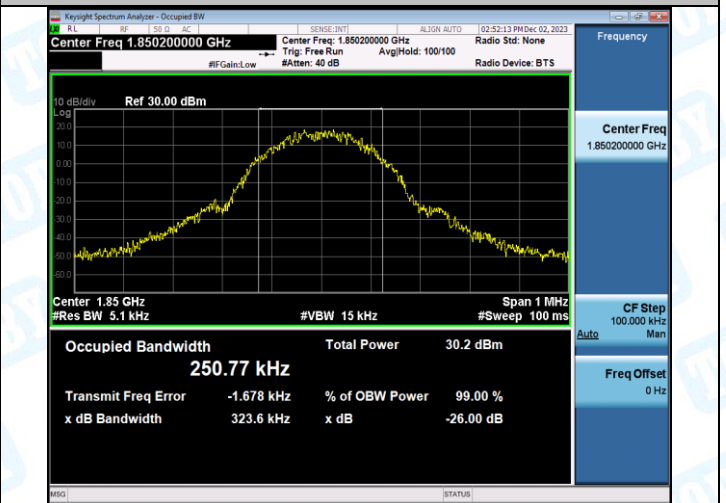
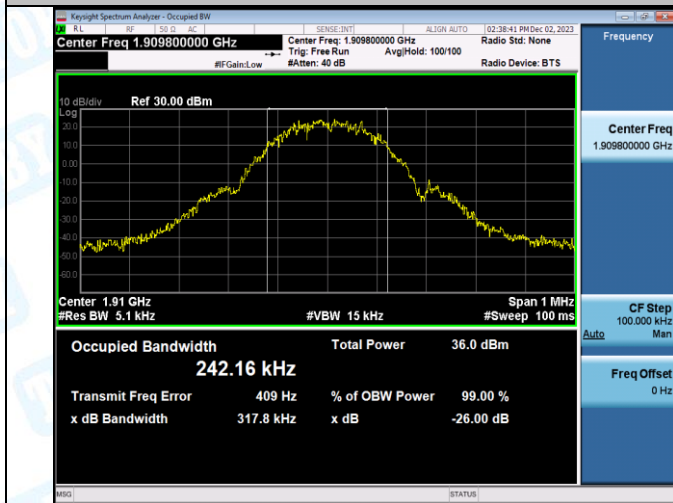


GPRS1900-661-0-PASS



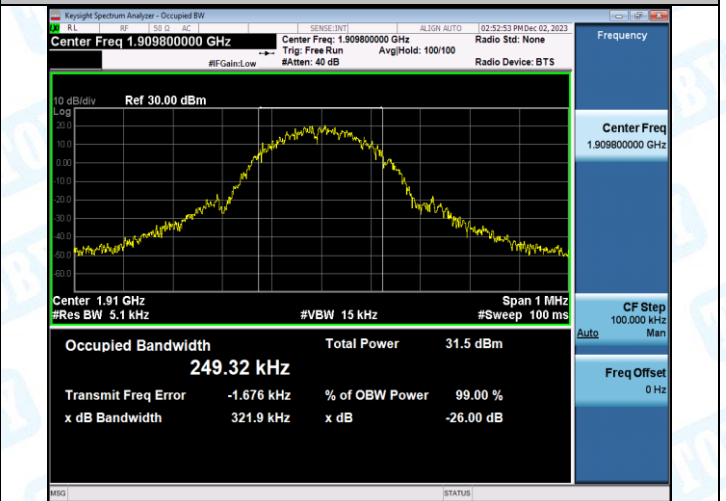
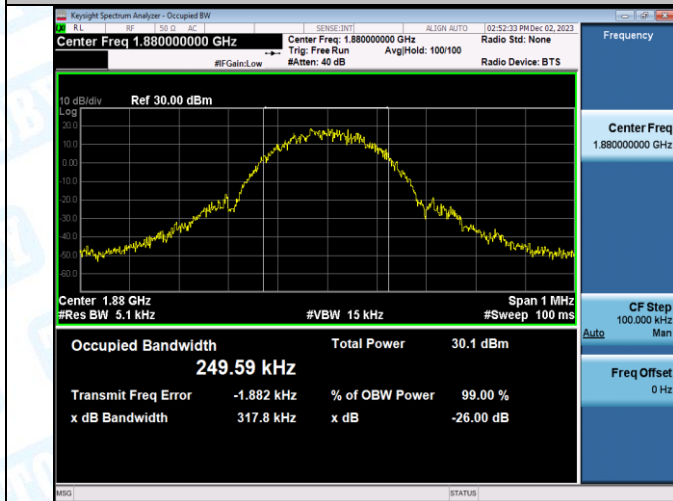
GPSS1900-810-0-PASS

EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS

EGPRS1900-810-2-PASS



4. Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM1900	512	1849.98	-18.63	-13	PASS
GSM1900	810	1910.01	-16.95	-13	PASS
EGPRS850	128	823.98	-19.37	-13	PASS
EGPRS850	251	849.04	-19.88	-13	PASS
GPRS1900	512	1849.97	-18.29	-13	PASS
GPRS1900	810	1910.02	-14.71	-13	PASS
EGPRS1900	512	1849.97	-27.62	-13	PASS
EGPRS1900	810	1910.01	-23.84	-13	PASS
GSM850	128	823.99	-21.02	-13	PASS
GSM850	251	849.03	-20.06	-13	PASS
GPRS850	128	823.99	-21.76	-13	PASS
GPRS850	251	849.03	-21.82	-13	PASS