Appendix L

Test Information:

Sample No.:	2UKG-1	**Test Date:**	2024/12/29-2024/12/31
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Leo Lin	**Test Result:**	Pass

Environmental Conditions:

Temperature: (℃):	23.5-24.6	**Relative Humidity: (%)**	32-42	**ATM Pressure: (kPa)**	101.4-101.6

Transmitter Conducted Output Power And ERP/EIRP

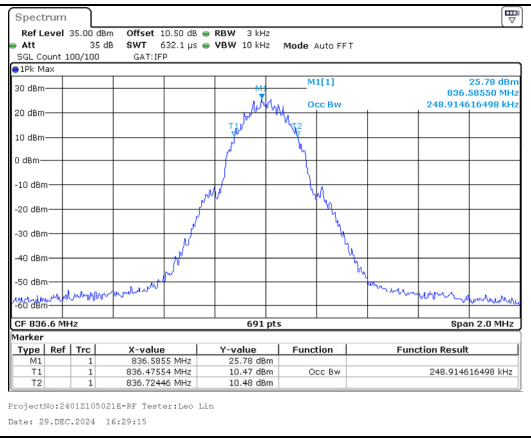
Band	Channel	PCL	Freq (MHz)	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	251	5	848.8	32.78	29.08	38.45	PASS
GSM 850	190	5	836.6	32.84	29.14	38.45	PASS
GSM 850	128	5	824.2	33.34	29.64	38.45	PASS
PCS 1900	810	0	1909.8	28.85	29.73	33.01	PASS
PCS 1900	661	0	1880.0	28.59	29.47	33.01	PASS
PCS 1900	512	0	1850.2	28.32	29.20	33.01	PASS

Peak to Average Ratio

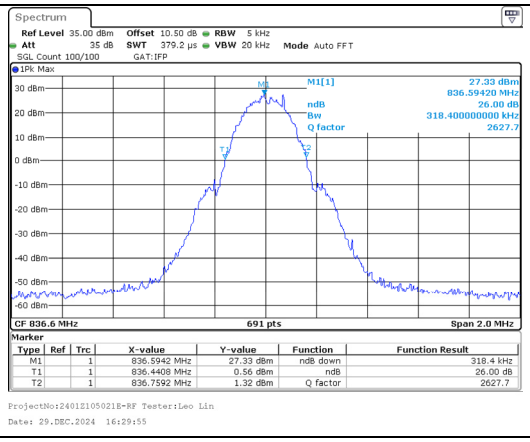
Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	2.48	13	PASS
GSM 850	190	836.6	2.45	13	PASS
GSM 850	128	824.2	2.48	13	PASS
PCS 1900	810	1909.8	2.54	13	PASS
PCS 1900	661	1880.0	2.54	13	PASS
PCS 1900	512	1850.2	2.54	13	PASS

Occupied Bandwidth

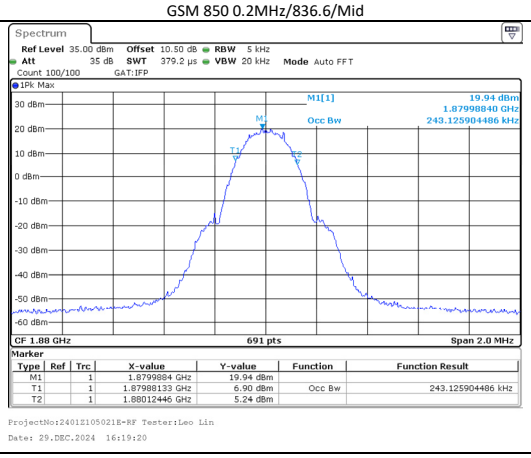
Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	190	836.6	0.24891	0.3184	PASS
PCS 1900	661	1880.0	0.24313	0.3155	PASS



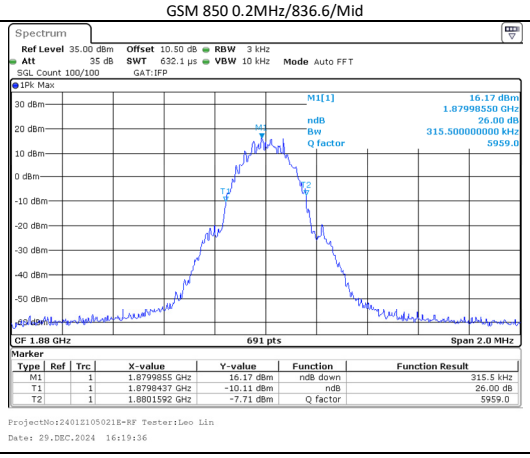
99%OBW
GSM 850 0.2MHz/836.6/Mid



26%OBW
GSM 850 0.2MHz/836.6/Mid

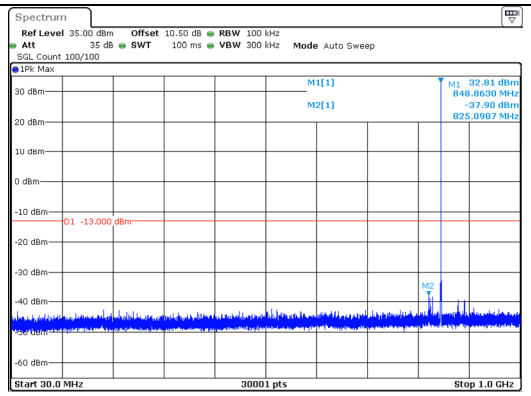


99%OBW
PCS 1900 0.2MHz/1880.0/Mid

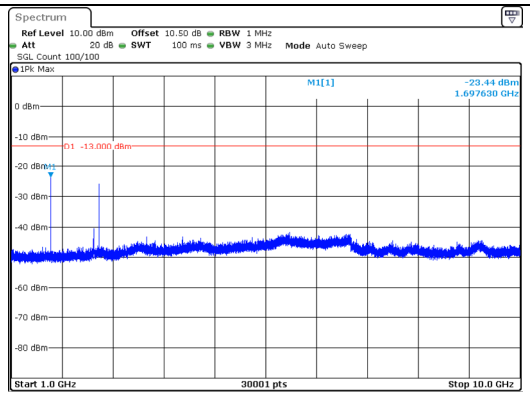


26%OBW
PCS 1900 0.2MHz/1880.0/Mid

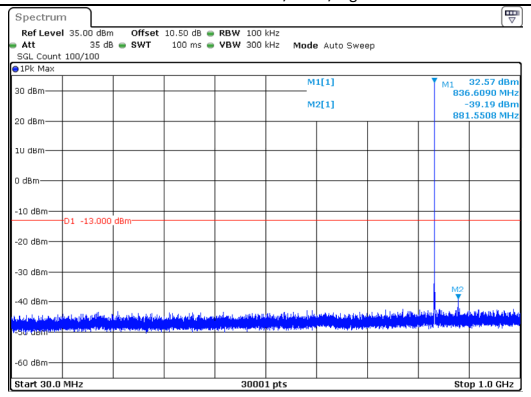
Conducted Spurious Emissions



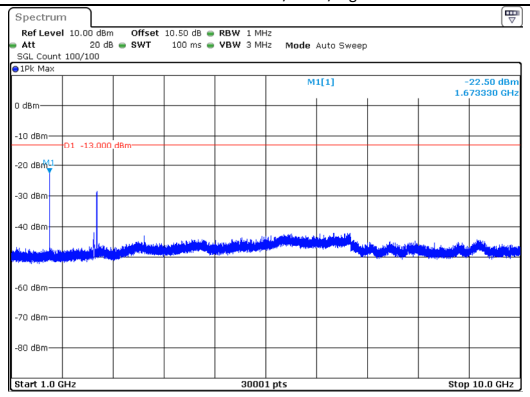
30.0MHz-1000.0MHz
GSM 850 0.2MHz/848.8/High



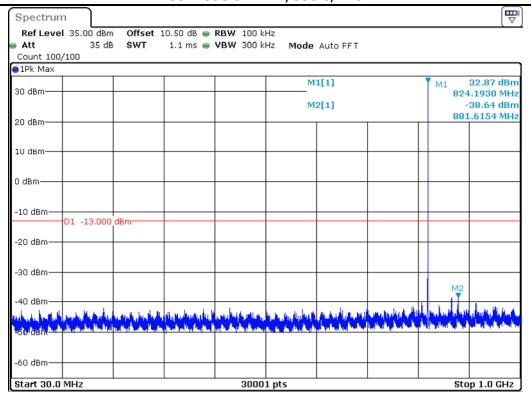
1000.0MHz-10000.0MHz
GSM 850 0.2MHz/848.8/High



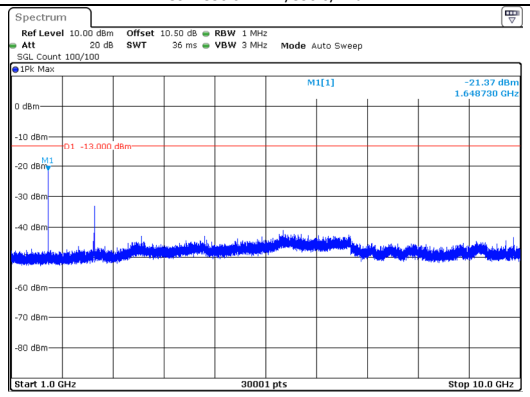
30.0MHz-1000.0MHz
GSM 850 0.2MHz/836.6/Mid



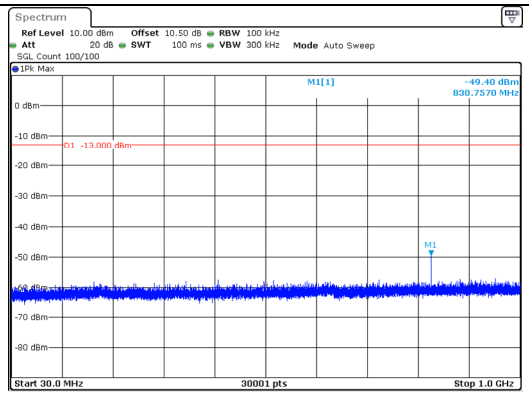
1000.0MHz-10000.0MHz
GSM 850 0.2MHz/836.6/Mid



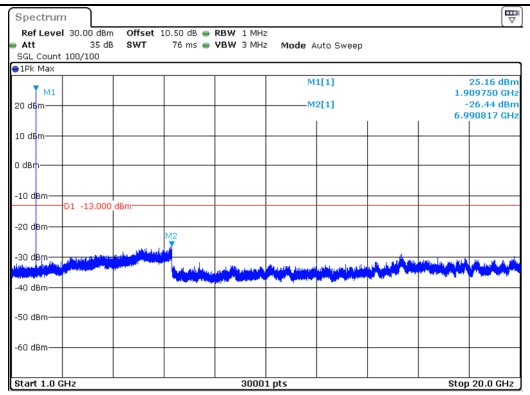
30.0MHz-1000.0MHz
GSM 850 0.2MHz/824.2/Low



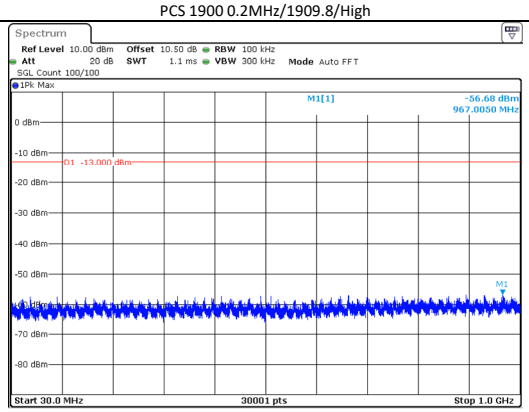
1000.0MHz-10000.0MHz
GSM 850 0.2MHz/824.2/Low



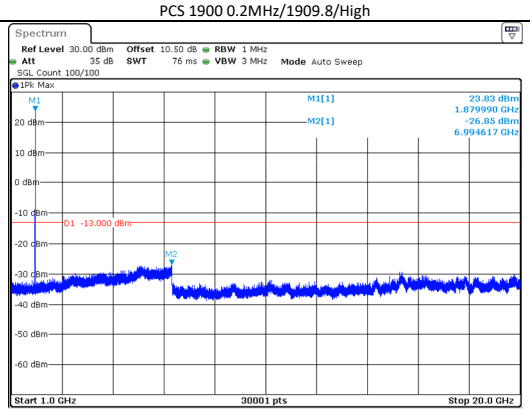
30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1909.8/High



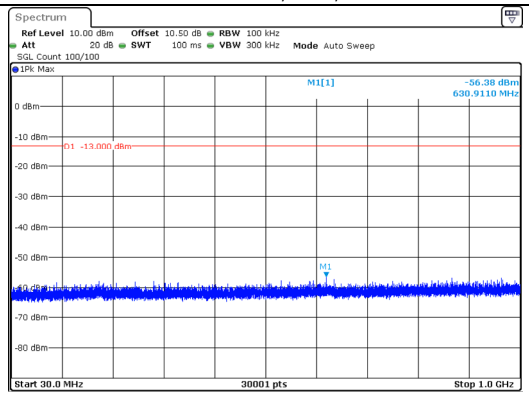
1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1909.8/High



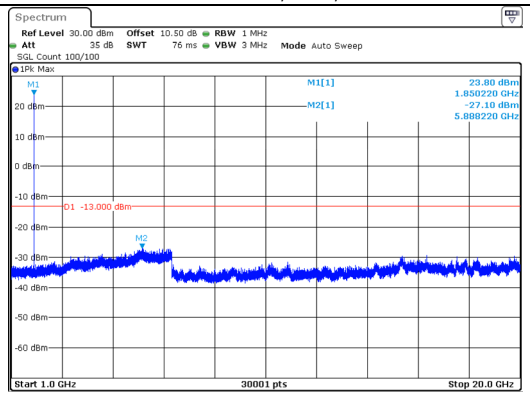
30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1880.0/Mid



1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1880.0/Mid



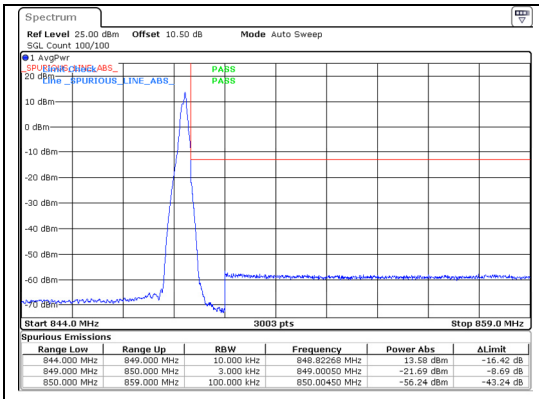
30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1850.2/Low



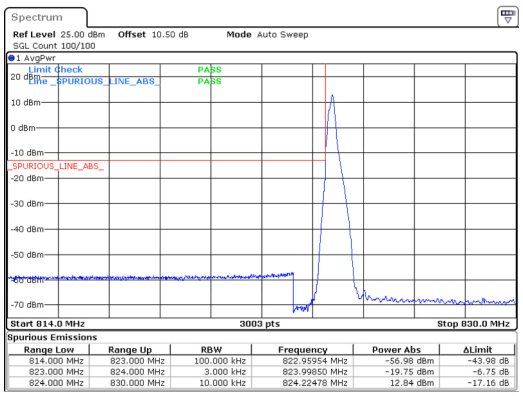
1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1850.2/Low

Conducted Band Edge

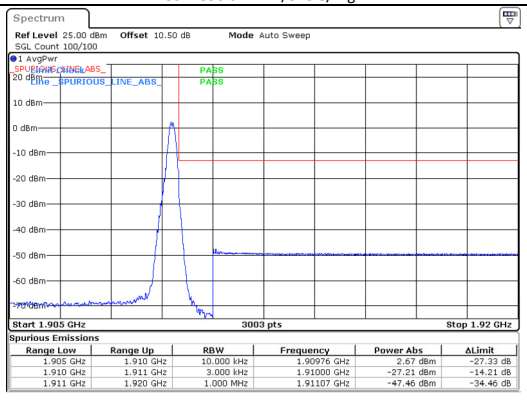
Band	Channel	Freq (MHz)	Result	Verdict
GSM 850	251	848.8	see graph	PASS
GSM 850	128	824.2	see graph	PASS
PCS 1900	810	1909.8	see graph	PASS
PCS 1900	512	1850.2	see graph	PASS



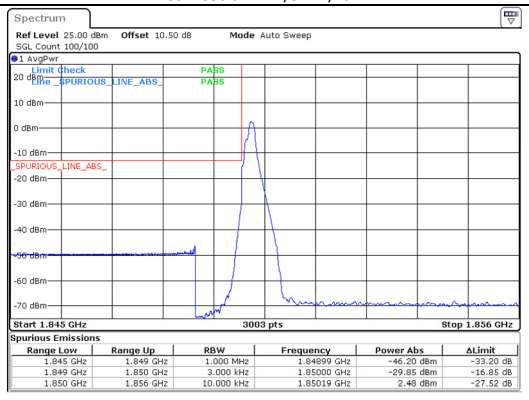
GSM 850 0.2MHz/848.8/High



GSM 850 0.2MHz/824.2/Low



PCS 1900 0.2MHz/1909.8/High



PCS 1900 0.2MHz/1850.2/Low

Frequency Stability Error

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	251	848.8	3.73	0.004	±2.5	PASS	20℃/4.35V
GSM 850	251	848.8	-9.88	-0.012	±2.5	PASS	20℃/3.4V
GSM 850	251	848.8	-8.83	-0.010	±2.5	PASS	50℃/3.8V
GSM 850	251	848.8	1.78	0.002	±2.5	PASS	40℃/3.8V
GSM 850	251	848.8	5.95	0.007	±2.5	PASS	30℃/3.8V
GSM 850	251	848.8	-3.64	-0.004	±2.5	PASS	20℃/3.8V
GSM 850	251	848.8	-0.25	0.000	±2.5	PASS	10℃/3.8V
GSM 850	251	848.8	-6.80	-0.008	±2.5	PASS	0℃/3.8V
GSM 850	251	848.8	-6.07	-0.007	±2.5	PASS	-10℃/3.8V
GSM 850	251	848.8	9.13	0.011	±2.5	PASS	-20℃/3.8V
GSM 850	251	848.8	-3.10	-0.004	±2.5	PASS	-30℃/3.8V
GSM 850	190	836.6	-5.27	-0.006	±2.5	PASS	20℃/4.35V
GSM 850	190	836.6	-2.22	-0.003	±2.5	PASS	20℃/3.4V
GSM 850	190	836.6	9.10	0.011	±2.5	PASS	50℃/3.8V
GSM 850	190	836.6	-6.20	-0.007	±2.5	PASS	40℃/3.8V
GSM 850	190	836.6	8.02	0.010	±2.5	PASS	30℃/3.8V
GSM 850	190	836.6	4.63	0.006	±2.5	PASS	20℃/3.8V
GSM 850	190	836.6	-1.53	-0.002	±2.5	PASS	10℃/3.8V
GSM 850	190	836.6	-5.61	-0.007	±2.5	PASS	0℃/3.8V
GSM 850	190	836.6	2.47	0.003	±2.5	PASS	-10℃/3.8V
GSM 850	190	836.6	5.24	0.006	±2.5	PASS	-20℃/3.8V
GSM 850	190	836.6	7.67	0.009	±2.5	PASS	-30℃/3.8V
GSM 850	128	824.2	3.56	0.004	±2.5	PASS	20℃/4.35V
GSM 850	128	824.2	2.43	0.003	±2.5	PASS	20℃/3.4V
GSM 850	128	824.2	-9.15	-0.011	±2.5	PASS	50℃/3.8V
GSM 850	128	824.2	-2.34	-0.003	±2.5	PASS	40℃/3.8V
GSM 850	128	824.2	-8.51	-0.010	±2.5	PASS	30℃/3.8V
GSM 850	128	824.2	4.12	0.005	±2.5	PASS	20℃/3.8V
GSM 850	128	824.2	1.48	0.002	±2.5	PASS	10℃/3.8V
GSM 850	128	824.2	-4.61	-0.006	±2.5	PASS	0℃/3.8V
GSM 850	128	824.2	-3.06	-0.004	±2.5	PASS	-10℃/3.8V
GSM 850	128	824.2	-8.74	-0.011	±2.5	PASS	-20℃/3.8V
GSM 850	128	824.2	-5.47	-0.007	±2.5	PASS	-30℃/3.8V

Frequency Stability Range

Band	Channel (Low/High)	Freq (MHz)	Lower Edge (MHz) (Result)	Limit (1850MHz)	Upper Edge (MHz) (Result)	Limit (1910MHz)	Environment
PCS 1900	512/810	1850.2/1909.8	1850.043	1850.000	1909.947	1910.000	20℃/3.4V
PCS 1900	512/810	1850.2/1909.8	1850.109	1850.000	1909.807	1910.000	20℃/4.35V
PCS 1900	512/810	1850.2/1909.8	1850.004	1850.000	1909.975	1910.000	50℃/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.088	1850.000	1909.890	1910.000	40℃/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.097	1850.000	1909.978	1910.000	30℃/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.037	1850.000	1909.896	1910.000	20℃/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.004	1850.000	1909.822	1910.000	10℃/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.118	1850.000	1909.829	1910.000	0℃/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.178	1850.000	1909.820	1910.000	-10℃/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.129	1850.000	1909.886	1910.000	-20℃/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.183	1850.000	1909.905	1910.000	-30℃/3.8V

Transmitter Conducted Output Power And ERP/EIRP GPRS

Band	Channel	Gamma	Freq (MHz)	Modulation	Slots	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	251	3	848.8	GMSK	1 Tx	32.72	29.02	38.45	PASS
GSM 850	251	3	848.8	GMSK	2 Tx	31.76	28.06	38.45	PASS
GSM 850	251	3	848.8	GMSK	3 Tx	29.83	26.13	38.45	PASS
GSM 850	251	3	848.8	GMSK	4 Tx	28.58	24.88	38.45	PASS
GSM 850	190	3	836.6	GMSK	1 Tx	32.65	28.95	38.45	PASS
GSM 850	190	3	836.6	GMSK	2 Tx	31.83	28.13	38.45	PASS
GSM 850	190	3	836.6	GMSK	3 Tx	29.95	26.25	38.45	PASS
GSM 850	190	3	836.6	GMSK	4 Tx	28.59	24.89	38.45	PASS
GSM 850	128	3	824.2	GMSK	1 Tx	33.18	29.48	38.45	PASS
GSM 850	128	3	824.2	GMSK	2 Tx	32.34	28.64	38.45	PASS
GSM 850	128	3	824.2	GMSK	3 Tx	30.51	26.81	38.45	PASS
GSM 850	128	3	824.2	GMSK	4 Tx	29.17	25.47	38.45	PASS
PCS 1900	810	3	1909.8	GMSK	1 Tx	28.71	29.59	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	2 Tx	28.05	28.93	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	3 Tx	26.44	27.32	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	4 Tx	25.21	26.09	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	1 Tx	28.37	29.25	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	2 Tx	27.76	28.64	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	3 Tx	26.25	27.13	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	4 Tx	25.00	25.88	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	1 Tx	28.10	28.98	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	2 Tx	27.52	28.40	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	3 Tx	26.02	26.90	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	4 Tx	24.95	25.83	33.01	PASS

Transmitter Conducted Output Power And ERP/EIRP EGPRS

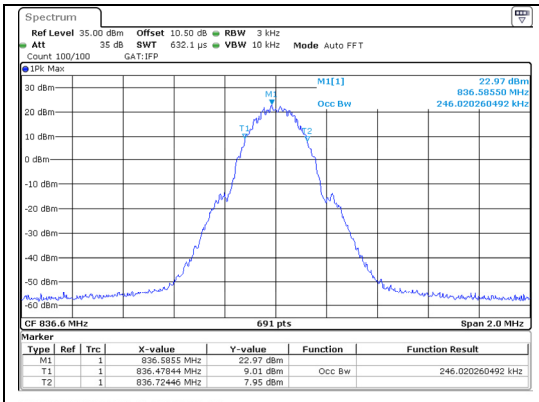
Band	Channel	Gamma	Freq (MHz)	Modulation	Slots	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP(limit) (dBm)	Verdict
GSM 850	251	6	848.8	8PSK	1 Tx	27.79	24.09	38.45	PASS
GSM 850	251	6	848.8	8PSK	2 Tx	25.98	22.28	38.45	PASS
GSM 850	251	6	848.8	8PSK	3 Tx	23.24	19.54	38.45	PASS
GSM 850	251	6	848.8	8PSK	4 Tx	21.71	18.01	38.45	PASS
GSM 850	190	6	836.6	8PSK	1 Tx	26.82	23.12	38.45	PASS
GSM 850	190	6	836.6	8PSK	2 Tx	26.11	22.41	38.45	PASS
GSM 850	190	6	836.6	8PSK	3 Tx	23.48	19.78	38.45	PASS
GSM 850	190	6	836.6	8PSK	4 Tx	22.85	19.15	38.45	PASS
GSM 850	128	6	824.2	8PSK	1 Tx	26.53	22.83	38.45	PASS
GSM 850	128	6	824.2	8PSK	2 Tx	25.05	21.35	38.45	PASS
GSM 850	128	6	824.2	8PSK	3 Tx	23.68	19.98	38.45	PASS
GSM 850	128	6	824.2	8PSK	4 Tx	21.68	17.98	38.45	PASS
PCS 1900	810	5	1909.8	8PSK	1 Tx	26.18	27.06	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	2 Tx	25.61	26.49	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	3 Tx	22.36	23.24	33.01	PASS
PCS 1900	810	5	1909.8	8PSK	4 Tx	20.48	21.36	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	1 Tx	26.04	26.92	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	2 Tx	25.26	26.14	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	3 Tx	22.46	23.34	33.01	PASS
PCS 1900	661	5	1880.0	8PSK	4 Tx	20.91	21.79	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	1 Tx	25.78	26.66	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	2 Tx	25.5	26.38	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	3 Tx	22.75	23.63	33.01	PASS
PCS 1900	512	5	1850.2	8PSK	4 Tx	20.39	21.27	33.01	PASS

Peak to Average Ratio EGPRS

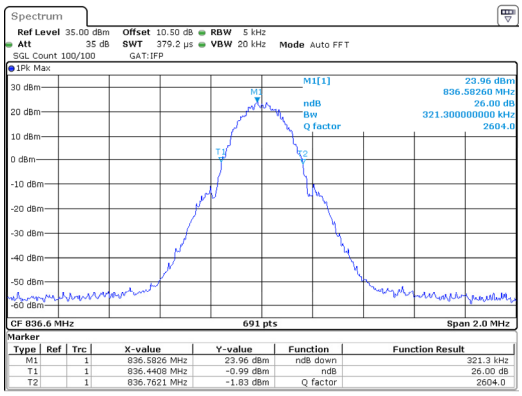
Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	1 Tx	2.28	13	PASS
GSM 850	190	836.6	1 Tx	2.26	13	PASS
GSM 850	128	824.2	1 Tx	2.32	13	PASS
PCS 1900	810	1909.8	1 Tx	2.54	13	PASS
PCS 1900	661	1880.0	1 Tx	2.36	13	PASS
PCS 1900	512	1850.2	1 Tx	2.29	13	PASS

Occupied Bandwidth EGPRS

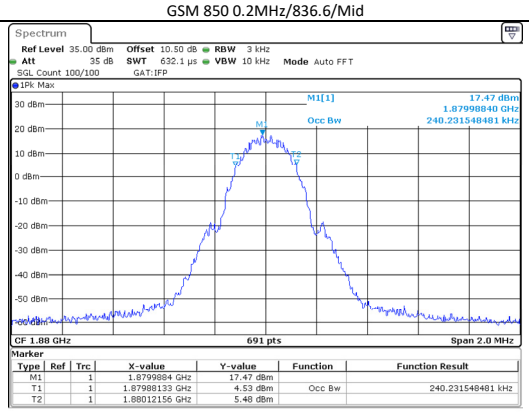
Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	190	836.6	1 Tx	0.24602	0.3213	PASS
PCS 1900	661	1880.0	1 Tx	0.24023	0.3184	PASS



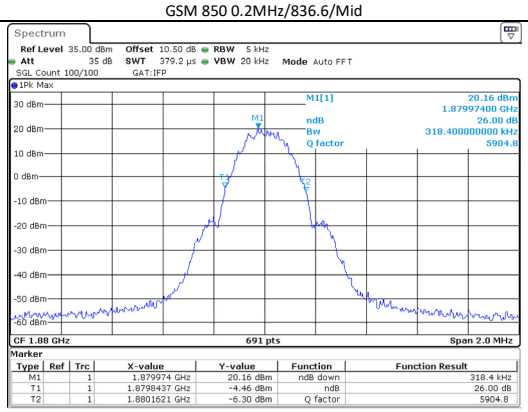
99%OBW
GSM 850 0.2MHz/836.6/Mid



26%OBW
GSM 850 0.2MHz/836.6/Mid

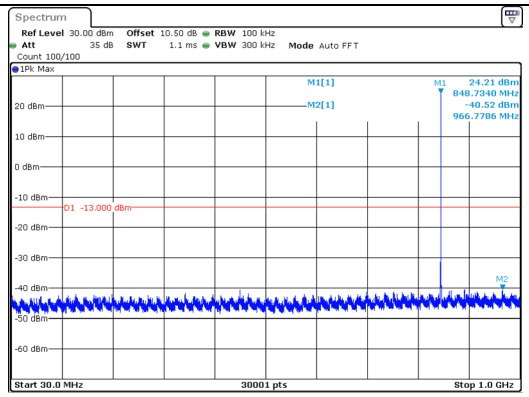


99%OBW
PCS 1900 0.2MHz/1880.0/Mid

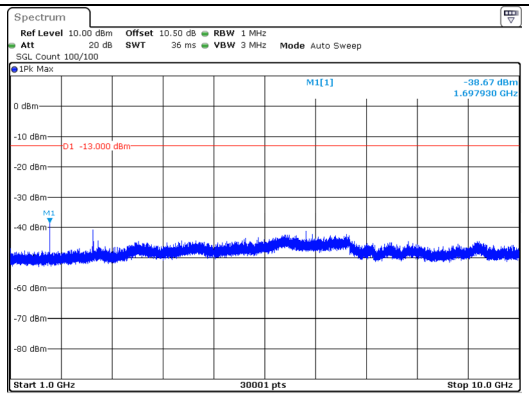


26%OBW
PCS 1900 0.2MHz/1880.0/Mid

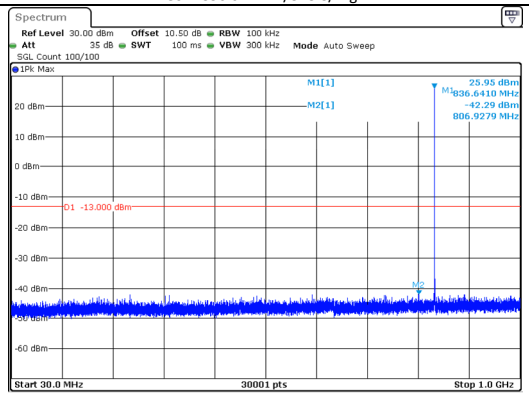
Conducted Spurious Emissions EGPRS



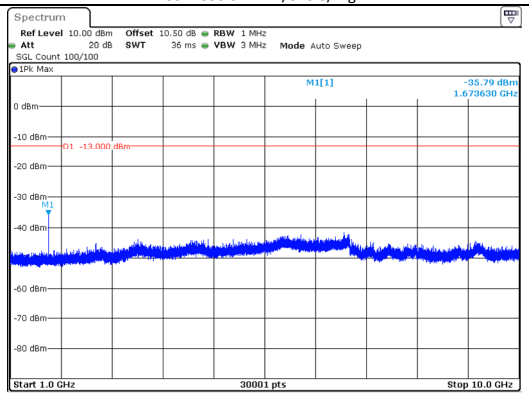
30.0MHz-1000.0MHz
GSM 850 0.2MHz/848.8/High



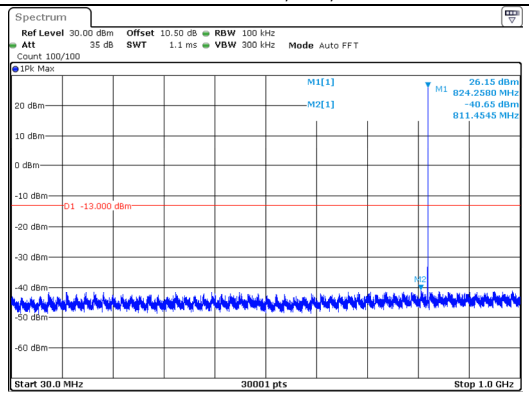
1000.0MHz-10000.0MHz
GSM 850 0.2MHz/848.8/High



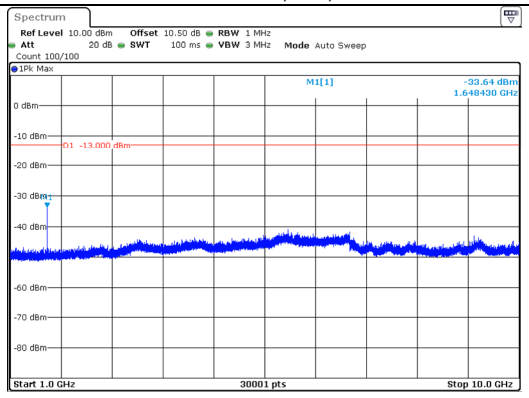
30.0MHz-1000.0MHz
GSM 850 0.2MHz/836.6/Mid



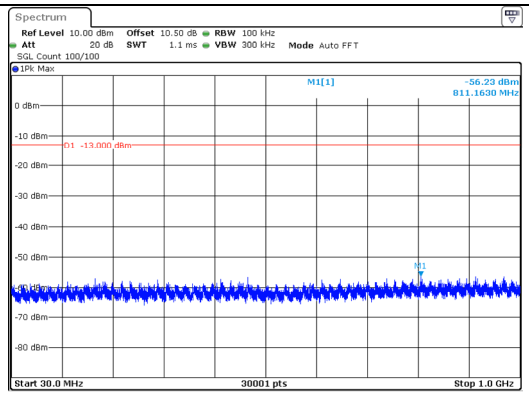
1000.0MHz-10000.0MHz
GSM 850 0.2MHz/836.6/Mid



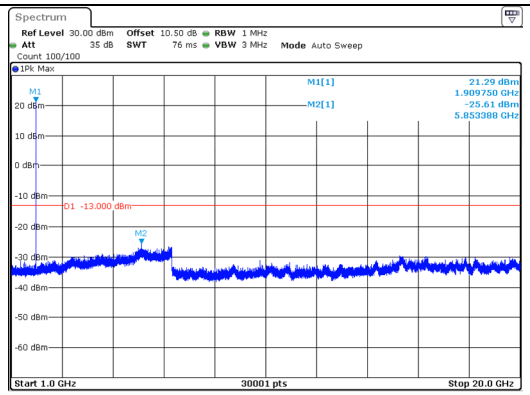
30.0MHz-1000.0MHz
GSM 850 0.2MHz/824.2/Low



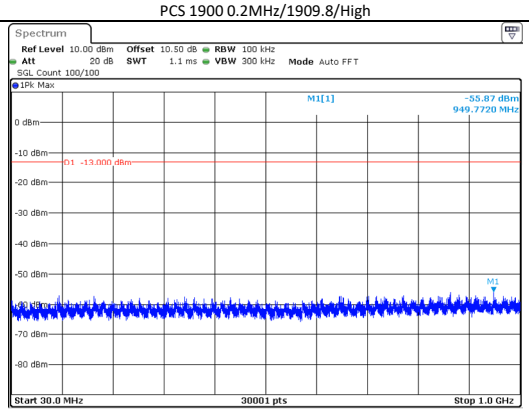
1000.0MHz-10000.0MHz
GSM 850 0.2MHz/824.2/Low



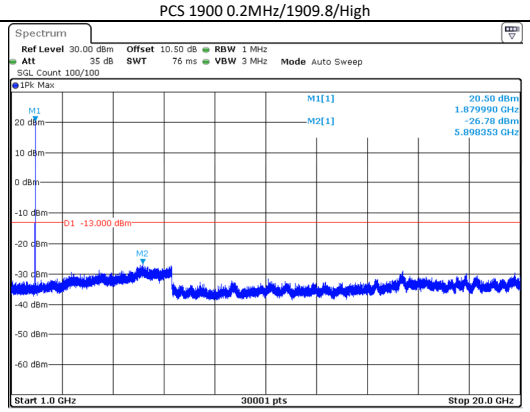
30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1909.8/High



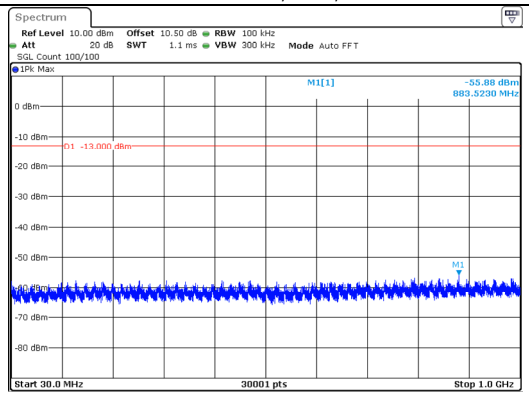
1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1909.8/High



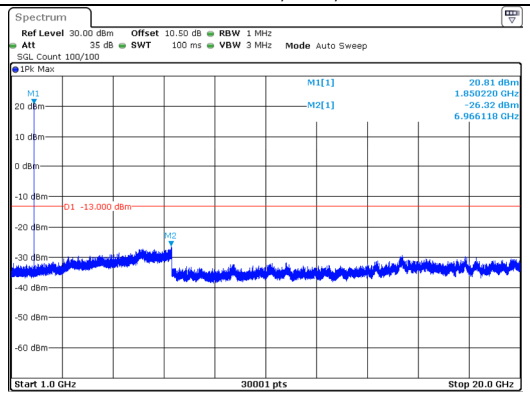
30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1880.0/Mid



1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1880.0/Mid



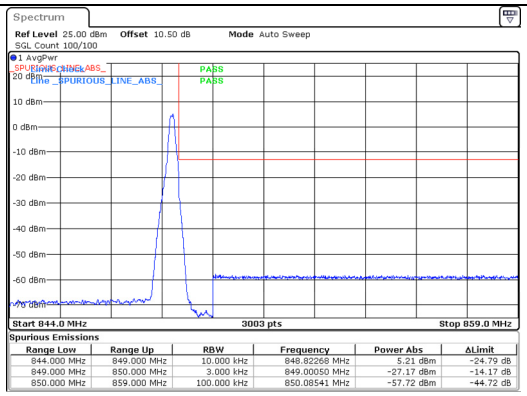
30.0MHz-1000.0MHz
PCS 1900 0.2MHz/1850.2/Low



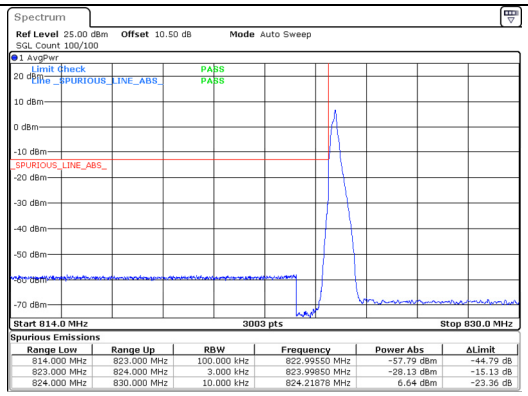
1000.0MHz-20000.0MHz
PCS 1900 0.2MHz/1850.2/Low

Conducted Band Edge EGPRS

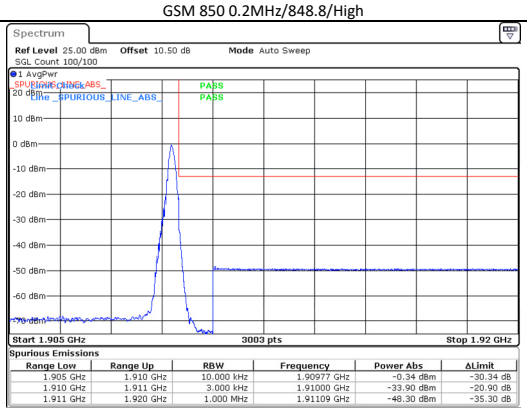
Band	Channel	Freq (MHz)	Slots	Result	Verdict
GSM 850	251	848.8	1 Tx	see graph	PASS
GSM 850	128	824.2	1 Tx	see graph	PASS
PCS 1900	810	1909.8	1 Tx	see graph	PASS
PCS 1900	512	1850.2	1 Tx	see graph	PASS



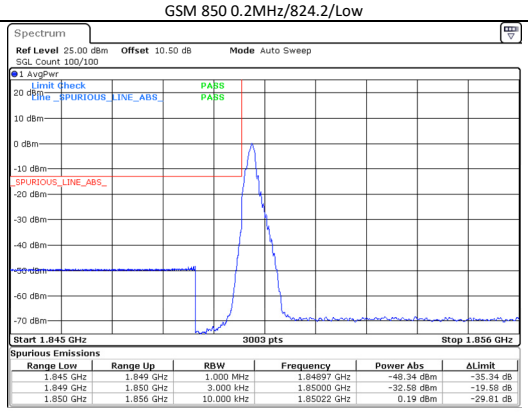
GSM 850 0.2MHz/848.8/High



GSM 850 0.2MHz/824.2/Low



PCS 1900 0.2MHz/1909.8/High



PCS 1900 0.2MHz/1850.2/Low

Frequency Stability Error EGPRS

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	251	848.8	3.10	0.004	±2.5	PASS	20℃/4.35V
GSM 850	251	848.8	-6.17	-0.007	±2.5	PASS	20℃/3.4V
GSM 850	251	848.8	1.46	0.002	±2.5	PASS	50℃/3.8V
GSM 850	251	848.8	-8.07	-0.010	±2.5	PASS	40℃/3.8V
GSM 850	251	848.8	-2.06	-0.002	±2.5	PASS	30℃/3.8V
GSM 850	251	848.8	4.32	0.005	±2.5	PASS	20℃/3.8V
GSM 850	251	848.8	-4.03	-0.005	±2.5	PASS	10℃/3.8V
GSM 850	251	848.8	6.84	0.008	±2.5	PASS	0℃/3.8V
GSM 850	251	848.8	3.32	0.004	±2.5	PASS	-10℃/3.8V
GSM 850	251	848.8	-5.36	-0.006	±2.5	PASS	-20℃/3.8V
GSM 850	251	848.8	-4.29	-0.005	±2.5	PASS	-30℃/3.8V
GSM 850	190	836.6	8.95	0.011	±2.5	PASS	20℃/4.35V
GSM 850	190	836.6	7.48	0.009	±2.5	PASS	20℃/3.4V
GSM 850	190	836.6	3.18	0.004	±2.5	PASS	50℃/3.8V
GSM 850	190	836.6	6.50	0.008	±2.5	PASS	40℃/3.8V
GSM 850	190	836.6	-4.00	-0.005	±2.5	PASS	30℃/3.8V
GSM 850	190	836.6	-2.25	-0.003	±2.5	PASS	20℃/3.8V
GSM 850	190	836.6	6.94	0.008	±2.5	PASS	10℃/3.8V
GSM 850	190	836.6	2.81	0.003	±2.5	PASS	0℃/3.8V
GSM 850	190	836.6	-9.40	-0.011	±2.5	PASS	-10℃/3.8V
GSM 850	190	836.6	-1.88	-0.002	±2.5	PASS	-20℃/3.8V
GSM 850	190	836.6	-0.63	-0.001	±2.5	PASS	-30℃/3.8V
GSM 850	128	824.2	4.48	0.005	±2.5	PASS	20℃/4.35V
GSM 850	128	824.2	9.69	0.012	±2.5	PASS	20℃/3.4V
GSM 850	128	824.2	4.91	0.006	±2.5	PASS	50℃/3.8V
GSM 850	128	824.2	-6.69	-0.008	±2.5	PASS	40℃/3.8V
GSM 850	128	824.2	3.37	0.004	±2.5	PASS	30℃/3.8V
GSM 850	128	824.2	7.46	0.009	±2.5	PASS	20℃/3.8V
GSM 850	128	824.2	1.30	0.002	±2.5	PASS	10℃/3.8V
GSM 850	128	824.2	-5.48	-0.007	±2.5	PASS	0℃/3.8V
GSM 850	128	824.2	7.09	0.009	±2.5	PASS	-10℃/3.8V
GSM 850	128	824.2	-3.39	-0.004	±2.5	PASS	-20℃/3.8V
GSM 850	128	824.2	-0.12	0.000	±2.5	PASS	-30℃/3.8V

Frequency Stability Range EGPRS

Band	Channel (Low/High)	Freq (MHz)	Lower Edge (MHz) (Result)	Limit (1850MHz)	Upper Edge (MHz) (Result)	Limit (1910MHz)	Environment
PCS 1900	512/810	1850.2/1909.8	1850.057	1850.000	1909.961	1910.000	20°C/3.4V
PCS 1900	512/810	1850.2/1909.8	1850.033	1850.000	1909.969	1910.000	20°C/4.35V
PCS 1900	512/810	1850.2/1909.8	1850.040	1850.000	1909.874	1910.000	50°C/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.043	1850.000	1909.908	1910.000	40°C/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.020	1850.000	1909.850	1910.000	30°C/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.190	1850.000	1909.838	1910.000	20°C/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.096	1850.000	1909.898	1910.000	10°C/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.052	1850.000	1909.833	1910.000	0°C/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.153	1850.000	1909.900	1910.000	-10°C/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.104	1850.000	1909.980	1910.000	-20°C/3.8V
PCS 1900	512/810	1850.2/1909.8	1850.185	1850.000	1909.875	1910.000	-30°C/3.8V