

Transmitter Conducted Output Power And ERP/EIRP

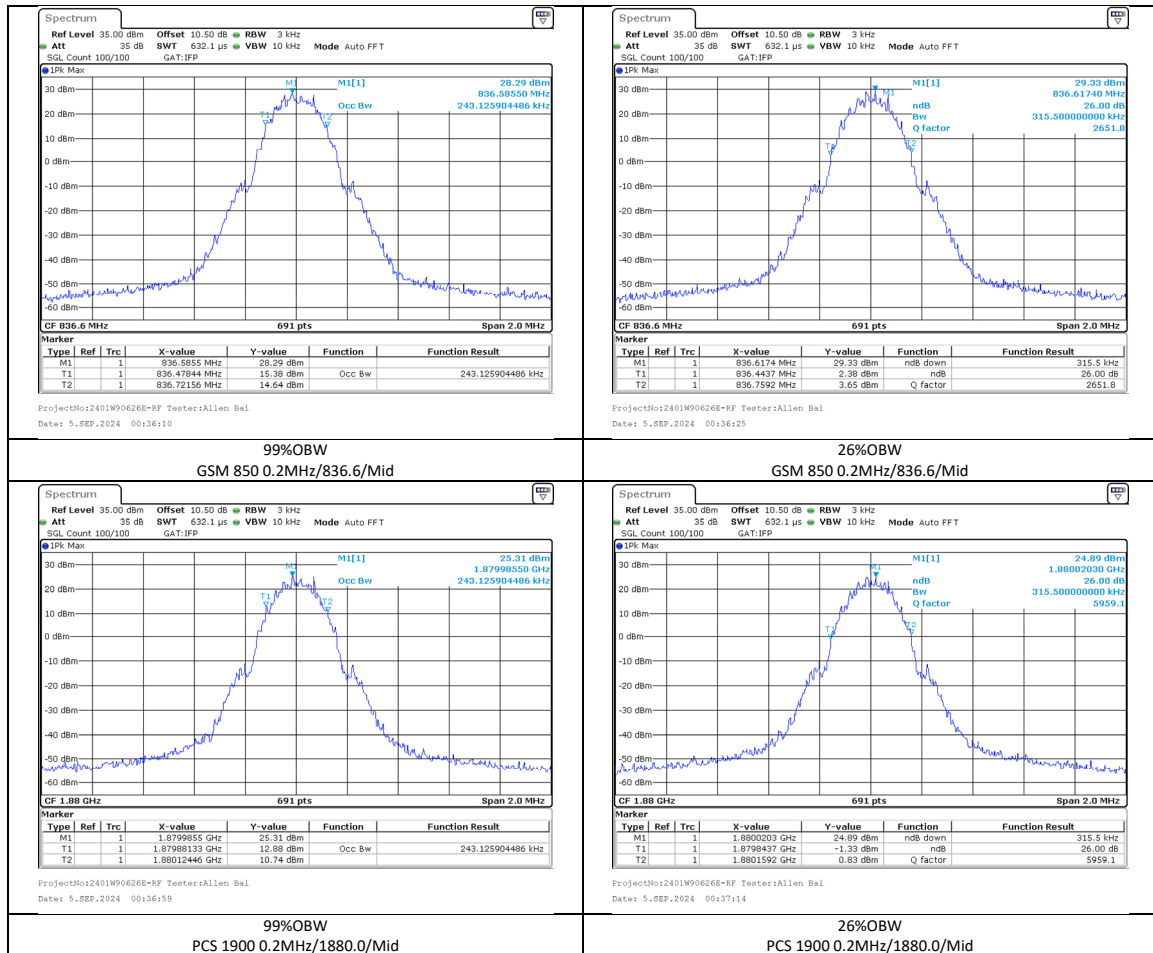
Band	Channel	PCL	Freq (MHz)	Conducted Power(dBm)	ERP/EIRP (dBm)	ERP/EIRP limit (dBm)	Verdict
GSM 850	251	5	848.8	31.63	26.88	38.45	PASS
GSM 850	190	5	836.6	31.81	27.06	38.45	PASS
GSM 850	128	5	824.2	31.90	27.15	38.45	PASS
PCS 1900	810	0	1909.8	30.10	29.80	33.00	PASS
PCS 1900	661	0	1880.0	30.10	29.80	33.00	PASS
PCS 1900	512	0	1850.2	29.68	29.38	33.00	PASS

Peak to Average Ratio

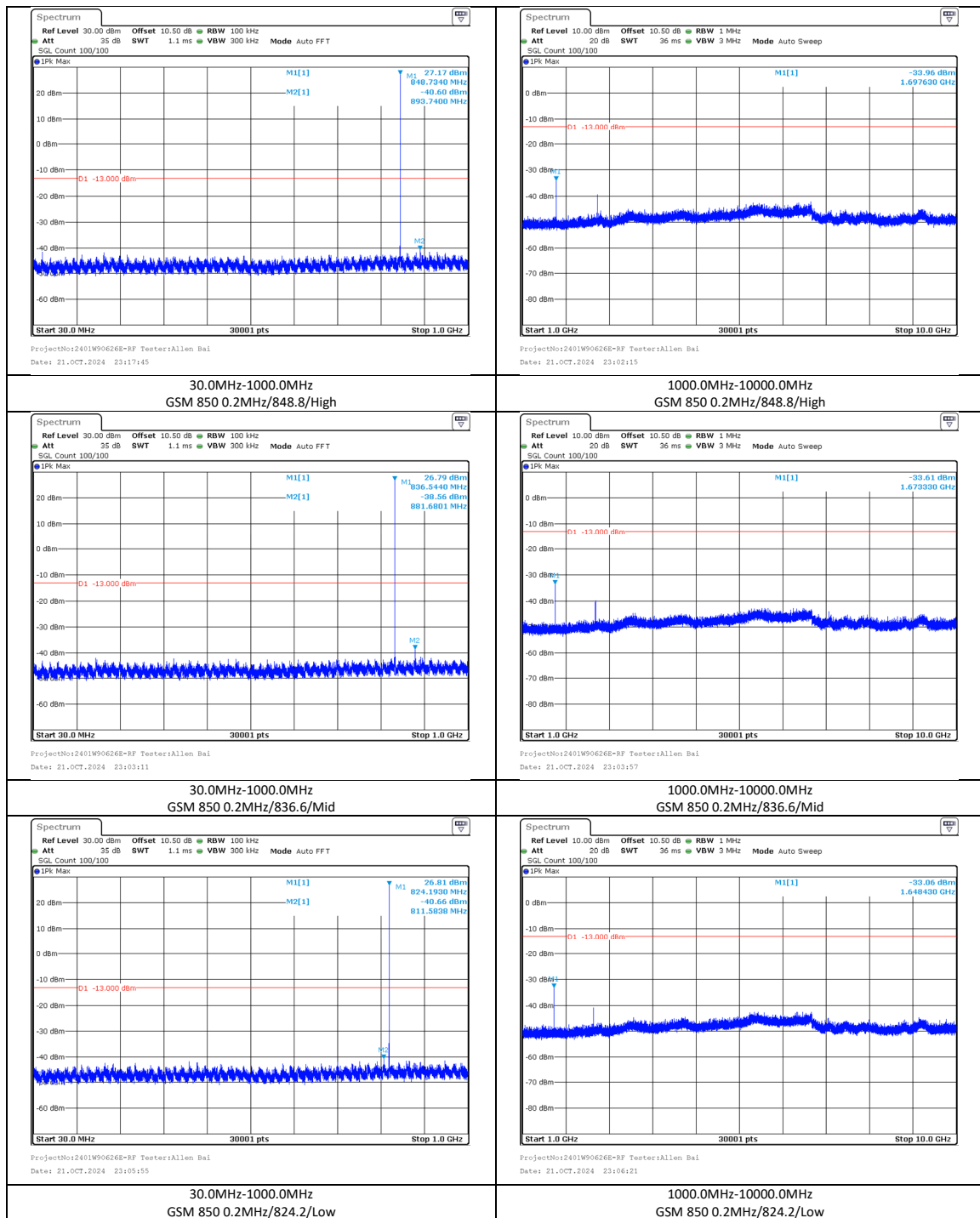
Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	2.01	13	PASS
GSM 850	190	836.6	2.41	13	PASS
GSM 850	128	824.2	2.45	13	PASS
PCS 1900	810	1909.8	2.35	13	PASS
PCS 1900	661	1880.0	2.94	13	PASS
PCS 1900	512	1850.2	2.39	13	PASS

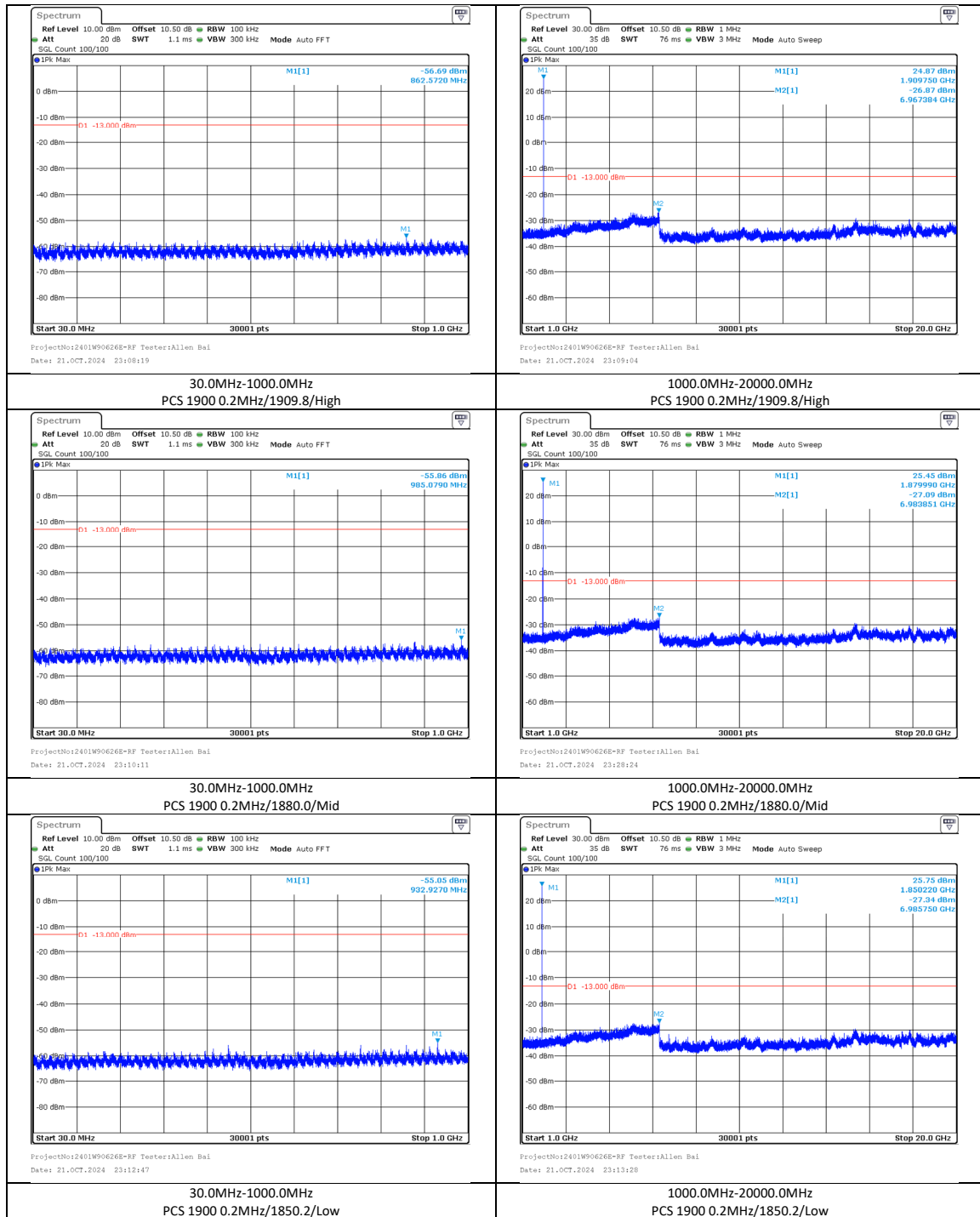
Occupied Bandwidth

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

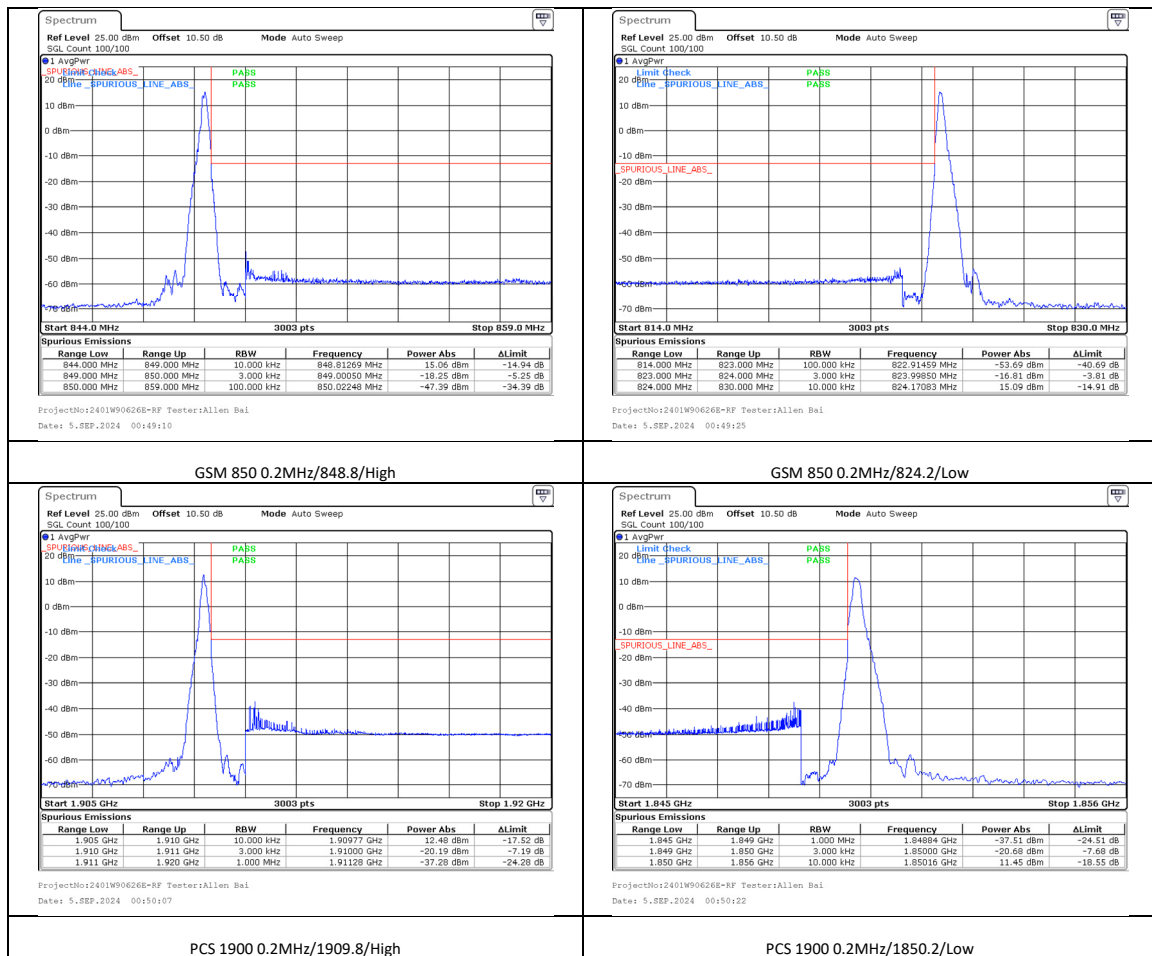


Conducted Spurious Emissions





Conducted Band Edge



Transmitter Conducted Output Power And ERP/EIRP GPRS

Band	Channel	PCL	Freq (MHz)	Modulation	Slots	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP limit (dBm)	Verdict
GSM 850	251	3	848.8	GMSK	1 Tx	32.84	28.09	38.45	PASS
GSM 850	251	3	848.8	GMSK	2 Tx	31.99	27.24	38.45	PASS
GSM 850	251	3	848.8	GMSK	3 Tx	30.11	25.36	38.45	PASS
GSM 850	251	3	848.8	GMSK	4 Tx	28.94	24.19	38.45	PASS
GSM 850	190	3	836.6	GMSK	1 Tx	32.80	28.05	38.45	PASS
GSM 850	190	3	836.6	GMSK	2 Tx	31.97	27.22	38.45	PASS
GSM 850	190	3	836.6	GMSK	3 Tx	30.05	25.30	38.45	PASS
GSM 850	190	3	836.6	GMSK	4 Tx	28.92	24.17	38.45	PASS
GSM 850	128	3	824.2	GMSK	1 Tx	32.78	28.03	38.45	PASS
GSM 850	128	3	824.2	GMSK	2 Tx	31.97	27.22	38.45	PASS
GSM 850	128	3	824.2	GMSK	3 Tx	30.03	25.28	38.45	PASS
GSM 850	128	3	824.2	GMSK	4 Tx	28.89	24.14	38.45	PASS
PCS 1900	810	3	1909.8	GMSK	1 Tx	29.69	29.39	33.00	PASS
PCS 1900	810	3	1909.8	GMSK	2 Tx	28.90	28.60	33.00	PASS
PCS 1900	810	3	1909.8	GMSK	3 Tx	27.10	26.80	33.00	PASS
PCS 1900	810	3	1909.8	GMSK	4 Tx	26.01	25.71	33.00	PASS
PCS 1900	661	3	1880.0	GMSK	1 Tx	29.68	29.38	33.00	PASS
PCS 1900	661	3	1880.0	GMSK	2 Tx	28.90	28.60	33.00	PASS
PCS 1900	661	3	1880.0	GMSK	3 Tx	26.98	26.68	33.00	PASS
PCS 1900	661	3	1880.0	GMSK	4 Tx	25.92	25.62	33.00	PASS
PCS 1900	512	3	1850.2	GMSK	1 Tx	29.28	28.98	33.00	PASS
PCS 1900	512	3	1850.2	GMSK	2 Tx	28.45	28.15	33.00	PASS
PCS 1900	512	3	1850.2	GMSK	3 Tx	26.49	26.19	33.00	PASS
PCS 1900	512	3	1850.2	GMSK	4 Tx	25.32	25.02	33.00	PASS

Transmitter Conducted Output Power And ERP/EIRP EGPRS

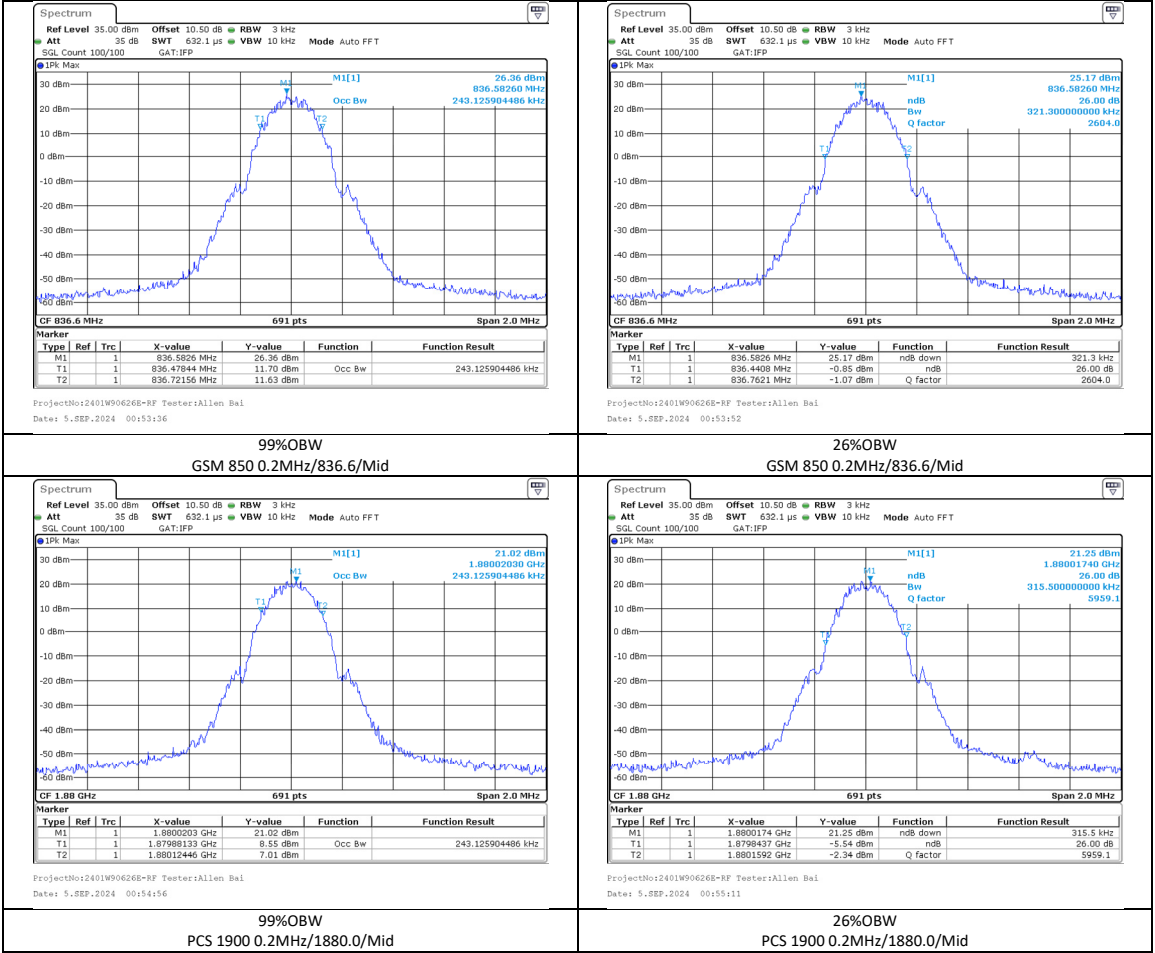
Band	Channel	PCL	Freq (MHz)	Modulation	Slots	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP limit (dBm)	Verdict
GSM 850	251	6	848.8	8PSK	1 Tx	27.27	22.52	38.45	PASS
GSM 850	251	6	848.8	8PSK	2 Tx	26.30	21.55	38.45	PASS
GSM 850	251	6	848.8	8PSK	3 Tx	23.83	19.08	38.45	PASS
GSM 850	251	6	848.8	8PSK	4 Tx	22.27	17.52	38.45	PASS
GSM 850	190	6	836.6	8PSK	1 Tx	27.37	22.62	38.45	PASS
GSM 850	190	6	836.6	8PSK	2 Tx	26.34	21.59	38.45	PASS
GSM 850	190	6	836.6	8PSK	3 Tx	24.44	19.69	38.45	PASS
GSM 850	190	6	836.6	8PSK	4 Tx	22.82	18.07	38.45	PASS
GSM 850	128	6	824.2	8PSK	1 Tx	27.59	22.84	38.45	PASS
GSM 850	128	6	824.2	8PSK	2 Tx	26.66	21.91	38.45	PASS
GSM 850	128	6	824.2	8PSK	3 Tx	24.07	19.32	38.45	PASS
GSM 850	128	6	824.2	8PSK	4 Tx	22.96	18.21	38.45	PASS
PCS 1900	810	5	1909.8	8PSK	1 Tx	25.82	25.52	33.00	PASS
PCS 1900	810	5	1909.8	8PSK	2 Tx	24.75	24.45	33.00	PASS
PCS 1900	810	5	1909.8	8PSK	3 Tx	22.69	22.39	33.00	PASS
PCS 1900	810	5	1909.8	8PSK	4 Tx	21.47	21.17	33.00	PASS
PCS 1900	661	5	1880.0	8PSK	1 Tx	26.40	26.10	33.00	PASS
PCS 1900	661	5	1880.0	8PSK	2 Tx	25.49	25.19	33.00	PASS
PCS 1900	661	5	1880.0	8PSK	3 Tx	22.97	22.67	33.00	PASS
PCS 1900	661	5	1880.0	8PSK	4 Tx	21.66	21.36	33.00	PASS
PCS 1900	512	5	1850.2	8PSK	1 Tx	25.94	25.64	33.00	PASS
PCS 1900	512	5	1850.2	8PSK	2 Tx	24.85	24.55	33.00	PASS
PCS 1900	512	5	1850.2	8PSK	3 Tx	22.55	22.25	33.00	PASS
PCS 1900	512	5	1850.2	8PSK	4 Tx	21.22	20.92	33.00	PASS

Peak to Average Ratio EGPRS

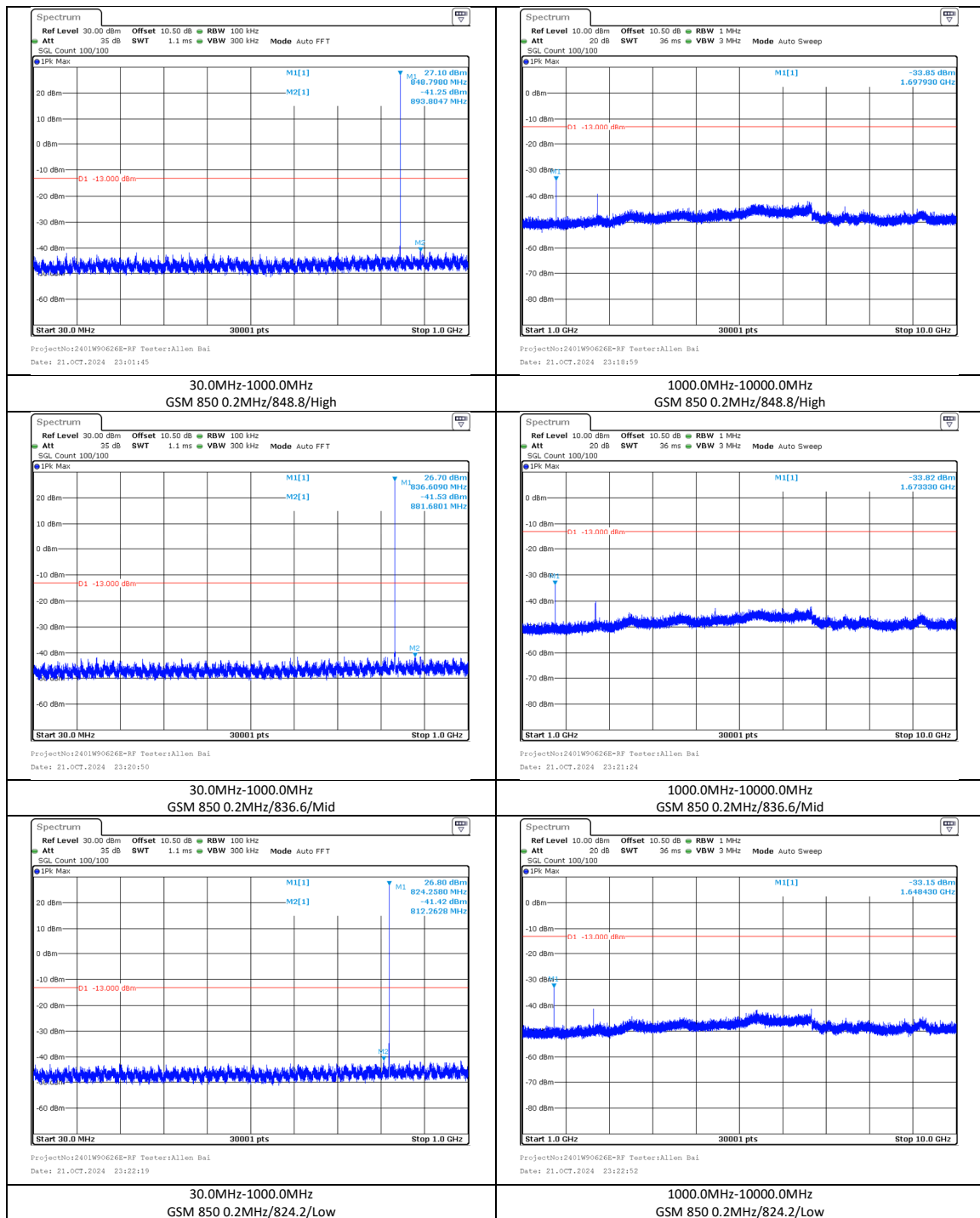
Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	1 Tx	2.29	13	PASS
GSM 850	190	836.6	1 Tx	2.32	13	PASS
GSM 850	128	824.2	1 Tx	2.29	13	PASS
PCS 1900	810	1909.8	1 Tx	2.00	13	PASS
PCS 1900	661	1880.0	1 Tx	2.09	13	PASS
PCS 1900	512	1850.2	1 Tx	2.20	13	PASS

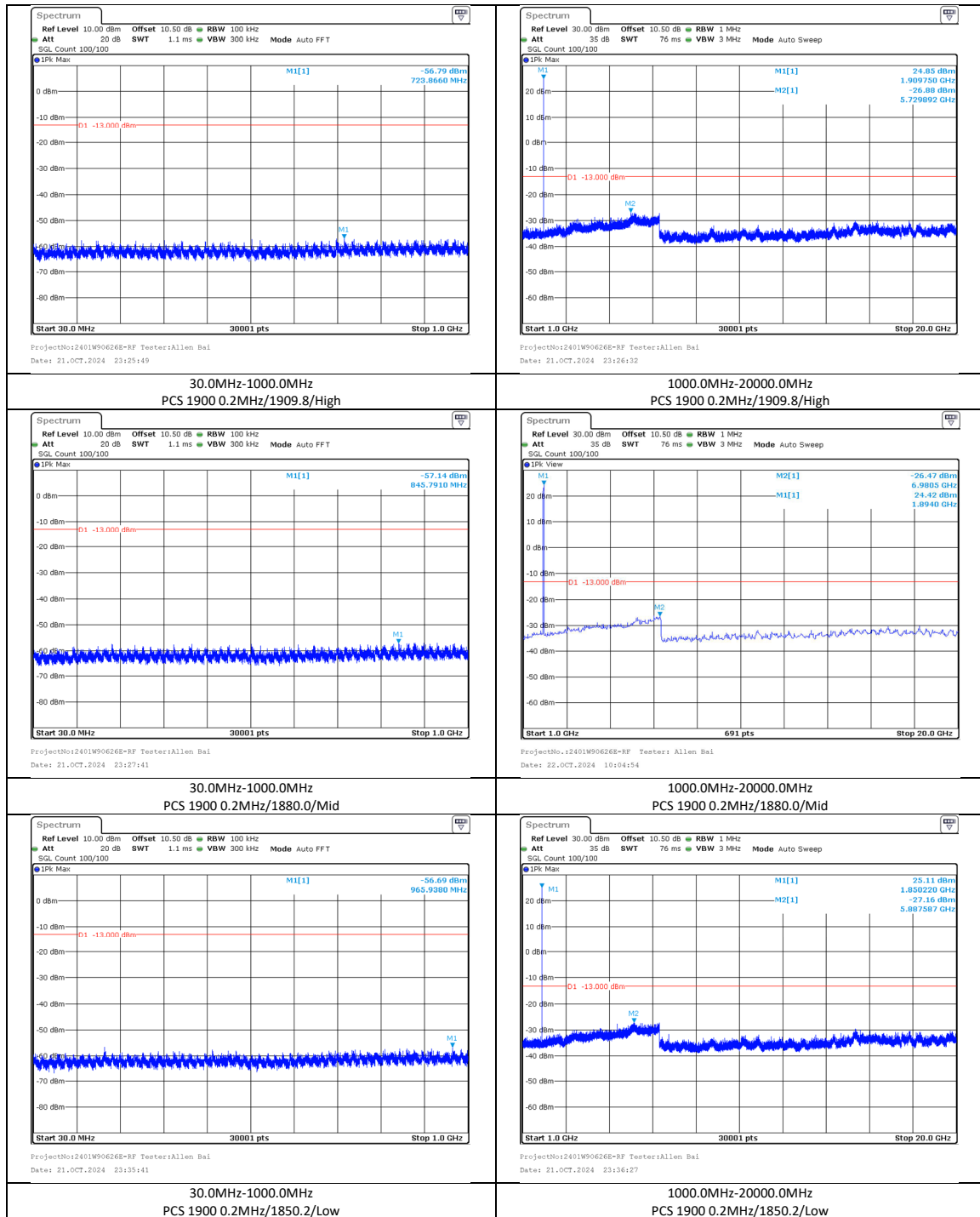
Occupied Bandwidth EGPRS

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	190	836.6	1 Tx	0.24313	0.3213	PASS
PCS 1900	661	1880.0	1 Tx	0.24313	0.3155	PASS

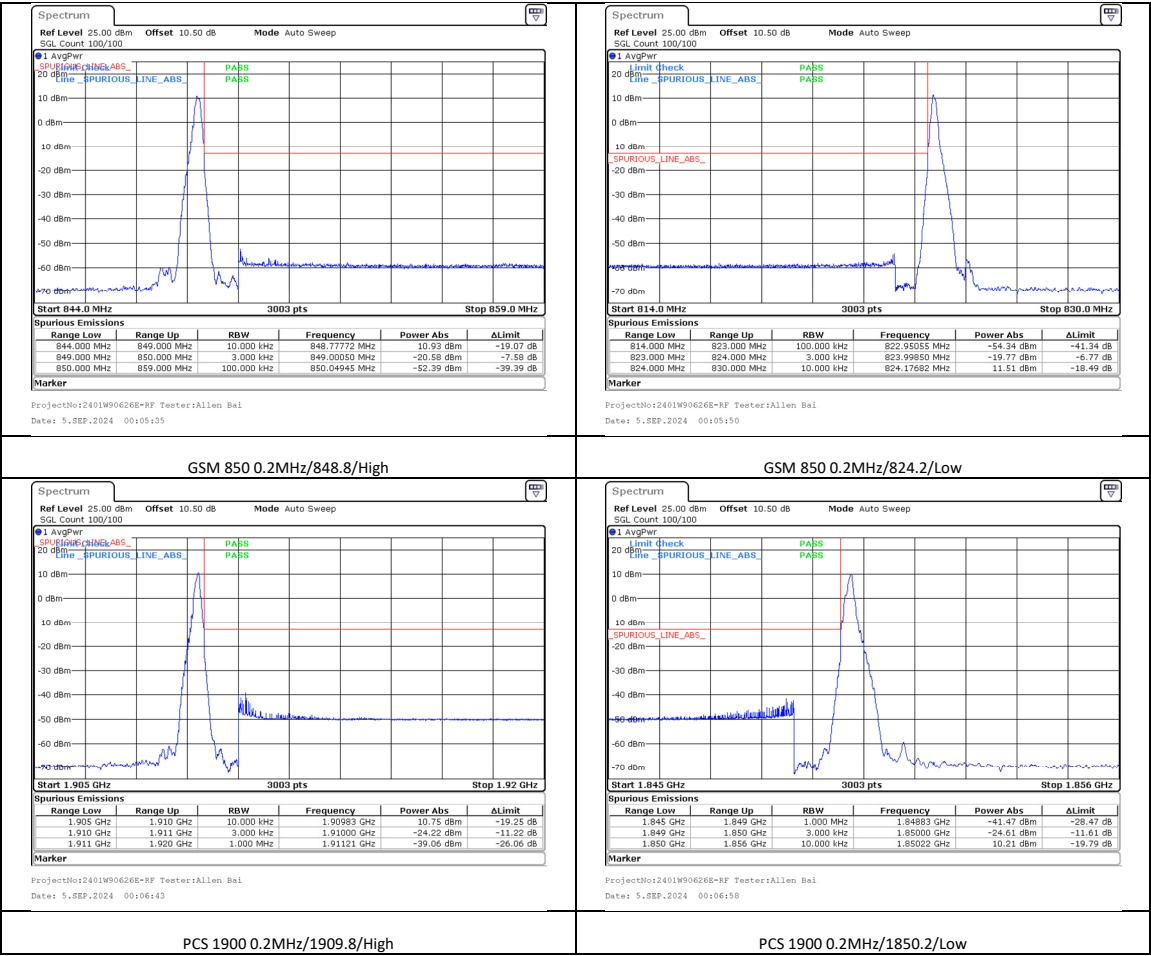


Conducted Spurious Emissions EGPRS





Conducted Band Edge EGPRS



Frequency Stability

GSM 850:

Test Modulation:	GMSK		Test Channel:	836.6	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.87	8.92	0.01066	2.5
	-20	3.87	7.15	0.00855	2.5
	-10	3.87	7.28	0.00871	2.5
	0	3.87	9.35	0.01117	2.5
	10	3.87	7.64	0.00913	2.5
	20	3.87	5.33	0.00637	2.5
	30	3.87	9.46	0.01131	2.5
	40	3.87	8.17	0.00977	2.5
	50	3.87	5.65	0.00675	2.5
Frequency Stability vs. Voltage	20	3.42	6.41	0.00766	2.5
	20	4.45	6.79	0.00812	2.5
				Result:	Pass

Test Modulation:	8PSK		Test Channel:	836.6	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.87	8.42	0.01006	2.5
	-20	3.87	8.56	0.01023	2.5
	-10	3.87	7.12	0.00852	2.5
	0	3.87	7.64	0.00913	2.5
	10	3.87	6.39	0.00764	2.5
	20	3.87	8.83	0.01056	2.5
	30	3.87	8.26	0.00987	2.5
	40	3.87	8.54	0.01021	2.5
	50	3.87	9.21	0.01101	2.5
Frequency Stability vs. Voltage	20	3.42	9.62	0.01149	2.5
	20	4.45	8.91	0.01066	2.5
				Result:	Pass

PCS 1900:

Test Mode:	GMSK	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.87	1850.120	1850.000	1909.916	1910.000
	-20	3.87	1850.144	1850.000	1909.858	1910.000
	-10	3.87	1850.001	1850.000	1909.808	1910.000
	0	3.87	1850.127	1850.000	1909.913	1910.000
	10	3.87	1850.037	1850.000	1909.955	1910.000
	20	3.87	1850.081	1850.000	1909.871	1910.000
	30	3.87	1850.032	1850.000	1909.964	1910.000
	40	3.87	1850.044	1850.000	1909.831	1910.000
	50	3.87	1850.163	1850.000	1909.843	1910.000
Frequency Stability vs. Voltage	20	3.42	1850.063	1850.000	1909.853	1910.000
	20	4.45	1850.154	1850.000	1909.973	1910.000
					Result:	Pass

Test Mode:	8PSK	Test Channel: Lowest for Lower Edge, Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.87	1850.052	1850.000	1909.909	1910.000
	-20	3.87	1850.116	1850.000	1909.894	1910.000
	-10	3.87	1850.126	1850.000	1909.866	1910.000
	0	3.87	1850.095	1850.000	1909.904	1910.000
	10	3.87	1850.070	1850.000	1909.903	1910.000
	20	3.87	1850.084	1850.000	1909.883	1910.000
	30	3.87	1850.094	1850.000	1909.874	1910.000
	40	3.87	1850.148	1850.000	1909.907	1910.000
	50	3.87	1850.087	1850.000	1909.862	1910.000
Frequency Stability vs. Voltage	20	3.42	1850.141	1850.000	1909.847	1910.000
	20	4.45	1850.105	1850.000	1909.930	1910.000
					Result:	Pass