

Test Information:

Sample No.:	2TGQ-2	Test Date:	2024/11/12~2024/11/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	Usain Ou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	24.5-26.5	Relative Humidity: (%)	46-52	ATM Pressure: (kPa)	101
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Tester: Usain Ou

Reviewer: Jim Cheng

Transmitter Conducted Output Power And ERP/EIRP

Band	Channel	PCL	Freq (MHz)	ConductedPower (dBm)	ERP/EIRP (dBm)	Limit (dBm)	Verdict
GSM 850	251	5	848.8	27.26	22.91	38.45	PASS
GSM 850	190	5	836.6	27.72	23.37	38.45	PASS
GSM 850	128	5	824.2	28.51	24.16	38.45	PASS
PCS 1900	810	0	1909.8	25.08	21.18	33.01	PASS
PCS 1900	661	0	1880.0	24.58	20.68	33.01	PASS
PCS 1900	512	0	1850.2	24.32	20.42	33.01	PASS

Transmitter Conducted Output Power And ERP/EIRP GPRS

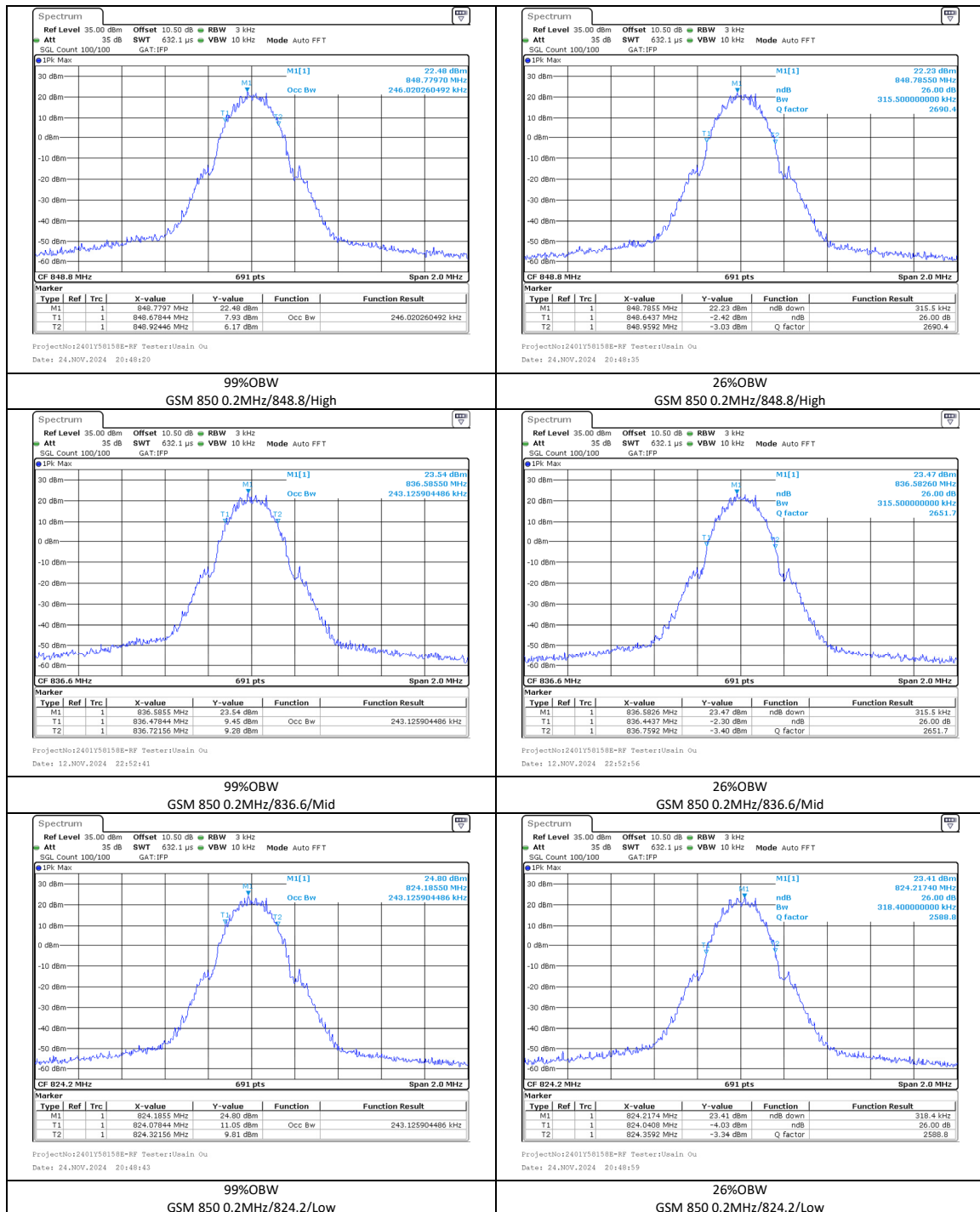
Band	Channel	Gamma	Freq (MHz)	Modulation	Slots	Conducted Power(dBm)	ERP/EIRP (dBm)	Limit (dBm)	Verdict
GSM 850	251	3	848.8	GMSK	1 Tx	27.32	22.97	38.45	PASS
GSM 850	251	3	848.8	GMSK	2 Tx	27.18	22.83	38.45	PASS
GSM 850	251	3	848.8	GMSK	3 Tx	26.84	22.49	38.45	PASS
GSM 850	251	3	848.8	GMSK	4 Tx	26.56	22.21	38.45	PASS
GSM 850	190	3	836.6	GMSK	1 Tx	27.75	23.40	38.45	PASS
GSM 850	190	3	836.6	GMSK	2 Tx	27.65	23.30	38.45	PASS
GSM 850	190	3	836.6	GMSK	3 Tx	27.30	22.95	38.45	PASS
GSM 850	190	3	836.6	GMSK	4 Tx	27.06	22.71	38.45	PASS
GSM 850	128	3	824.2	GMSK	1 Tx	28.57	24.22	38.45	PASS
GSM 850	128	3	824.2	GMSK	2 Tx	28.46	24.11	38.45	PASS
GSM 850	128	3	824.2	GMSK	3 Tx	28.15	23.80	38.45	PASS
GSM 850	128	3	824.2	GMSK	4 Tx	27.93	23.58	38.45	PASS
PCS 1900	810	3	1909.8	GMSK	1 Tx	25.19	21.29	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	2 Tx	25.01	21.11	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	3 Tx	24.72	20.82	33.01	PASS
PCS 1900	810	3	1909.8	GMSK	4 Tx	24.45	20.55	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	1 Tx	24.64	20.74	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	2 Tx	24.50	20.60	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	3 Tx	24.21	20.31	33.01	PASS
PCS 1900	661	3	1880.0	GMSK	4 Tx	23.97	20.07	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	1 Tx	24.39	20.49	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	2 Tx	24.25	20.35	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	3 Tx	23.90	20.00	33.01	PASS
PCS 1900	512	3	1850.2	GMSK	4 Tx	23.71	19.81	33.01	PASS

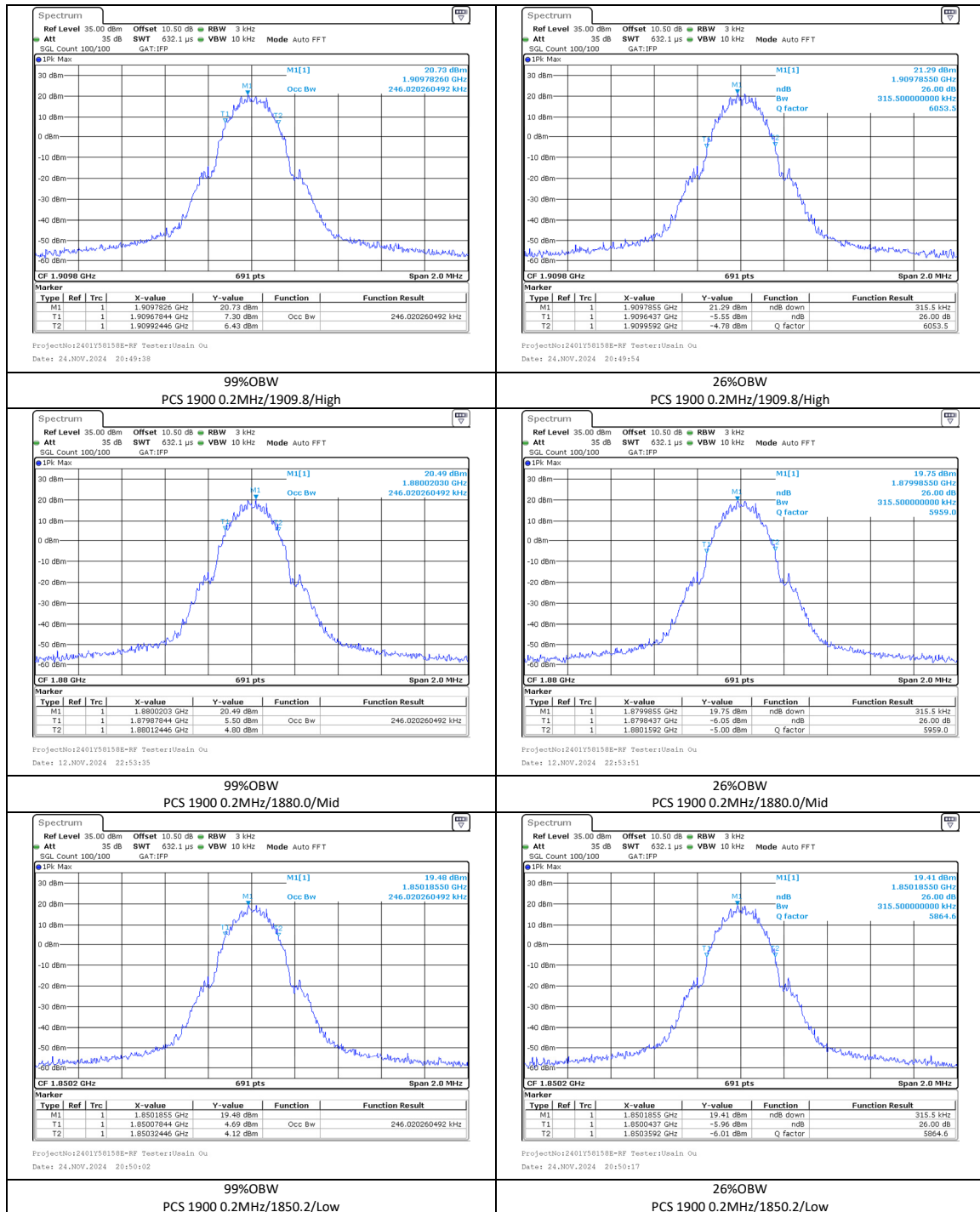
Peak to Average Ratio

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
GSM 850	251	848.8	2.42	13	PASS
GSM 850	190	836.6	2.38	13	PASS
GSM 850	128	824.2	2.42	13	PASS
PCS 1900	810	1909.8	2.43	13	PASS
PCS 1900	661	1880.0	2.51	13	PASS
PCS 1900	512	1850.2	2.37	13	PASS

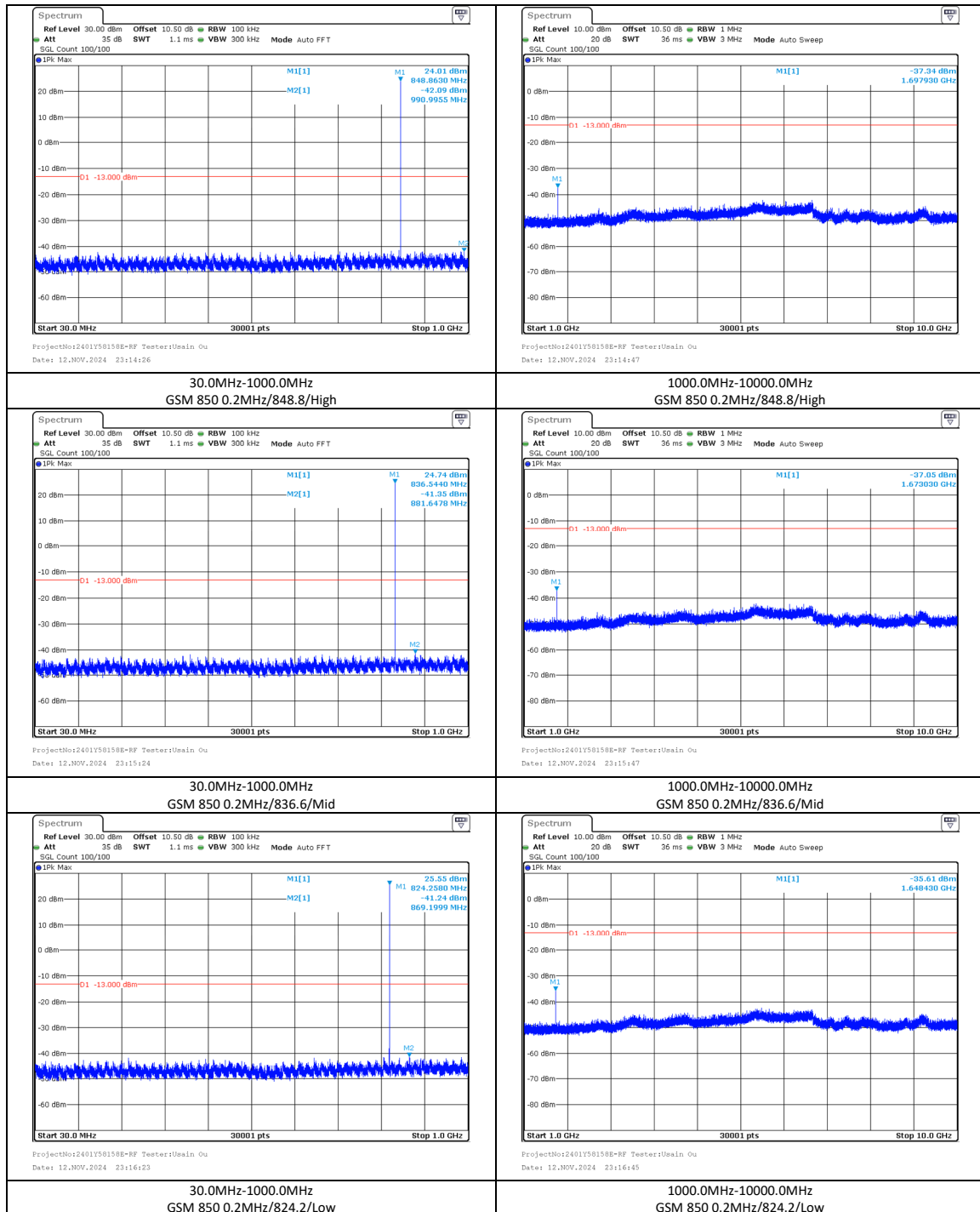
Occupied Bandwidth

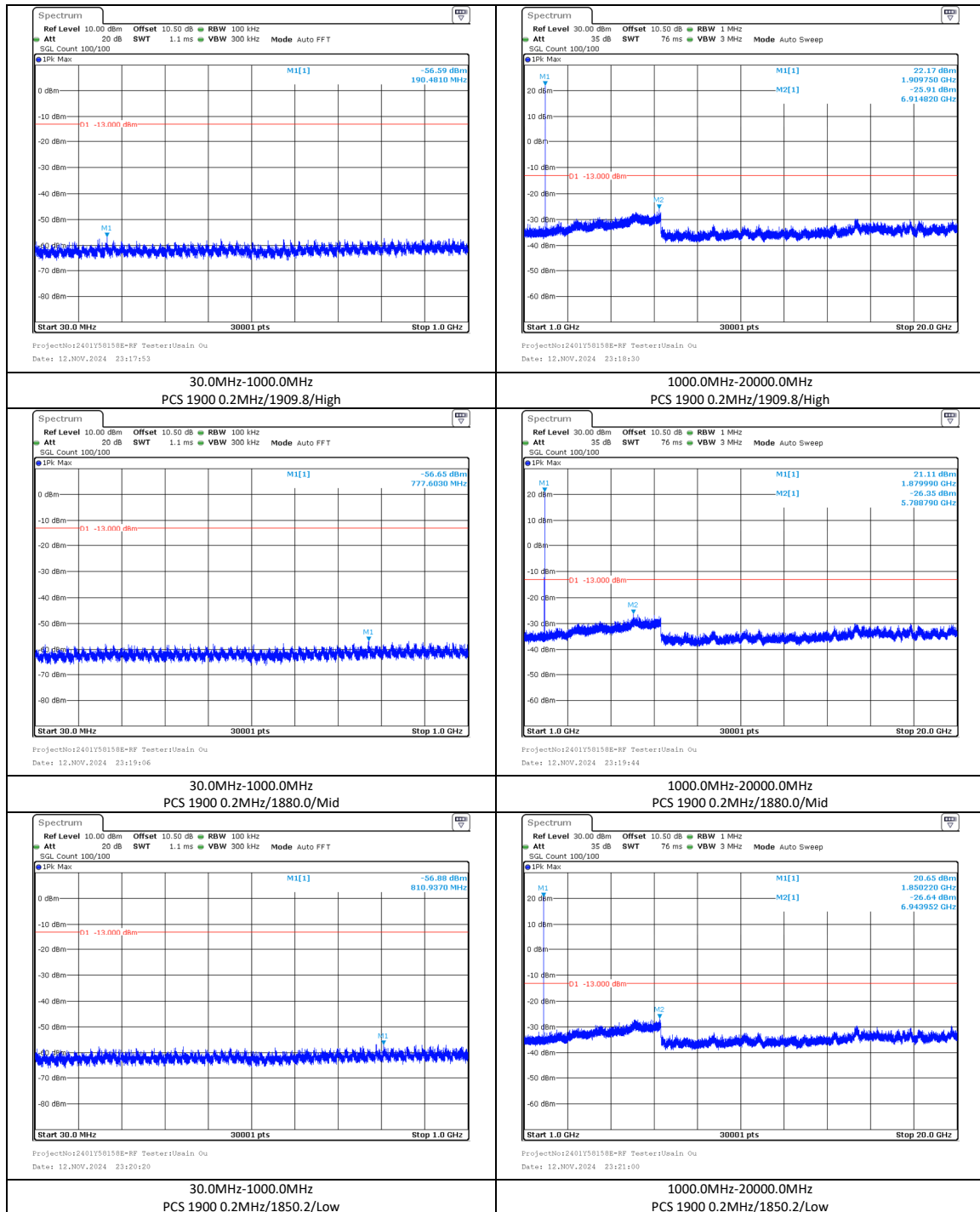
Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
GSM 850	251	848.8	0.24602	0.3155	PASS
GSM 850	190	836.6	0.24313	0.3155	PASS
GSM 850	128	824.2	0.24313	0.3184	PASS
PCS 1900	810	1909.8	0.24602	0.3155	PASS
PCS 1900	661	1880.0	0.24602	0.3155	PASS
PCS 1900	512	1850.2	0.24602	0.3155	PASS





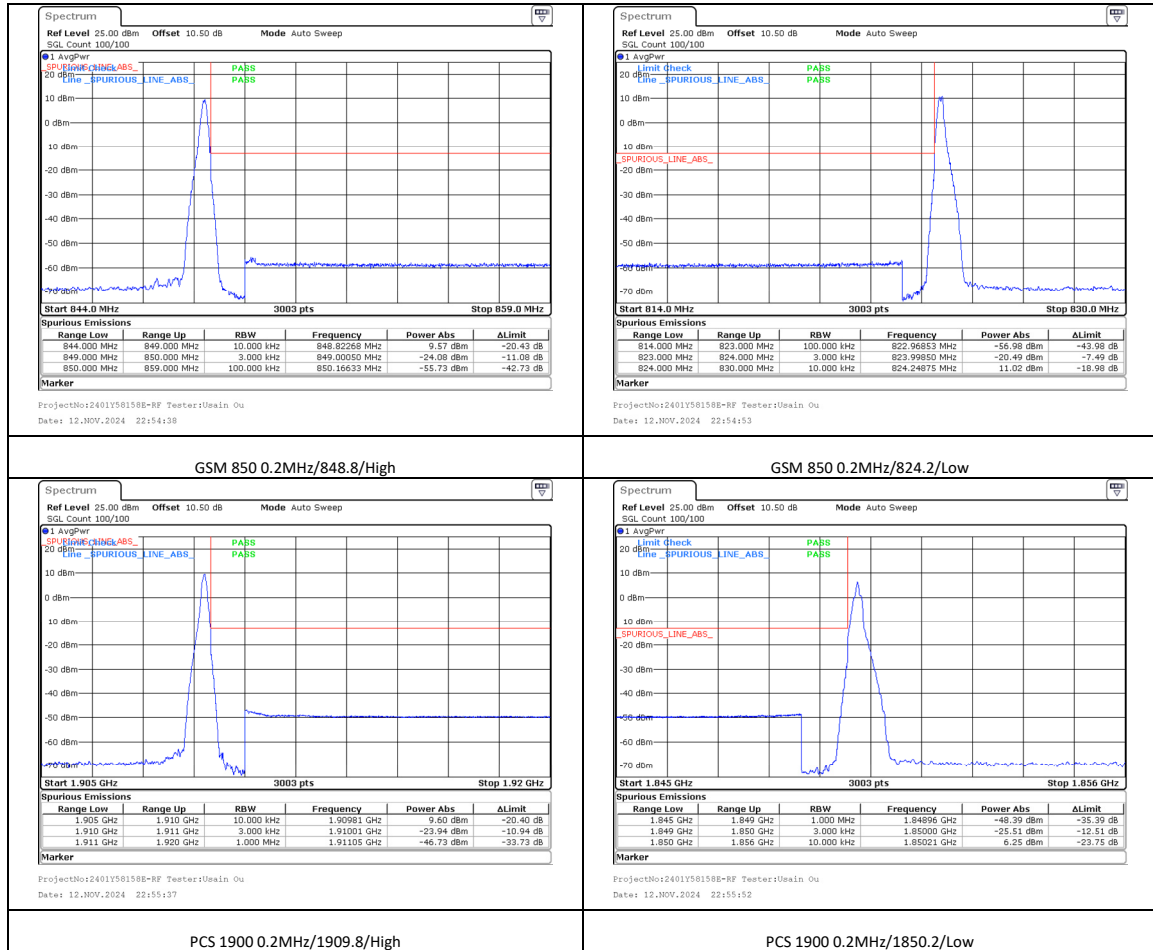
Conducted Spurious Emissions





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



Frequency Stability Error

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
GSM 850	251	848.8	-2.14	-0.003	±2.5	PASS	20°C/4.5V
GSM 850	251	848.8	3.07	0.004	±2.5	PASS	20°C/3.45V
GSM 850	251	848.8	9.66	0.011	±2.5	PASS	50°C/3.91V
GSM 850	251	848.8	4.16	0.005	±2.5	PASS	40°C/3.91V
GSM 850	251	848.8	3.99	0.005	±2.5	PASS	30°C/3.91V
GSM 850	251	848.8	-2.96	-0.003	±2.5	PASS	20°C/3.91V
GSM 850	251	848.8	4.18	0.005	±2.5	PASS	10°C/3.91V
GSM 850	251	848.8	-4.95	-0.006	±2.5	PASS	0°C/3.91V
GSM 850	251	848.8	-4.81	-0.006	±2.5	PASS	-10°C/3.91V
GSM 850	251	848.8	-6.18	-0.007	±2.5	PASS	-20°C/3.91V
GSM 850	251	848.8	4.27	0.005	±2.5	PASS	-30°C/3.91V
GSM 850	190	836.6	1.68	0.002	±2.5	PASS	20°C/4.5V
GSM 850	190	836.6	-3.77	-0.005	±2.5	PASS	20°C/3.45V
GSM 850	190	836.6	4.19	0.005	±2.5	PASS	50°C/3.91V
GSM 850	190	836.6	-1.96	-0.002	±2.5	PASS	40°C/3.91V
GSM 850	190	836.6	7.65	0.009	±2.5	PASS	30°C/3.91V
GSM 850	190	836.6	1.10	0.001	±2.5	PASS	20°C/3.91V
GSM 850	190	836.6	-4.54	-0.005	±2.5	PASS	10°C/3.91V
GSM 850	190	836.6	1.81	0.002	±2.5	PASS	0°C/3.91V
GSM 850	190	836.6	-4.54	-0.005	±2.5	PASS	-10°C/3.91V
GSM 850	190	836.6	8.19	0.010	±2.5	PASS	-20°C/3.91V
GSM 850	190	836.6	3.65	0.004	±2.5	PASS	-30°C/3.91V
GSM 850	128	824.2	-8.81	-0.011	±2.5	PASS	20°C/4.5V
GSM 850	128	824.2	-6.96	-0.008	±2.5	PASS	20°C/3.45V
GSM 850	128	824.2	-1.75	-0.002	±2.5	PASS	50°C/3.91V
GSM 850	128	824.2	-5.24	-0.006	±2.5	PASS	40°C/3.91V
GSM 850	128	824.2	7.00	0.008	±2.5	PASS	30°C/3.91V
GSM 850	128	824.2	4.39	0.005	±2.5	PASS	20°C/3.91V
GSM 850	128	824.2	6.71	0.008	±2.5	PASS	10°C/3.91V
GSM 850	128	824.2	2.36	0.003	±2.5	PASS	0°C/3.91V
GSM 850	128	824.2	-4.72	-0.006	±2.5	PASS	-10°C/3.91V
GSM 850	128	824.2	-1.75	-0.002	±2.5	PASS	-20°C/3.91V
GSM 850	128	824.2	-1.59	-0.002	±2.5	PASS	-30°C/3.91V

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	1850.066	1850.000	1909.976	1910.000	20°C/4.5V
PCS 1900	512/810	1850.2/1909.8	1850.060	1850.000	1909.882	1910.000	20°C/3.45V
PCS 1900	512/810	1850.2/1909.8	1850.105	1850.000	1909.910	1910.000	50°C/3.91V
PCS 1900	512/810	1850.2/1909.8	1850.111	1850.000	1909.895	1910.000	40°C/3.91V
PCS 1900	512/810	1850.2/1909.8	1850.060	1850.000	1909.846	1910.000	30°C/3.91V
PCS 1900	512/810	1850.2/1909.8	1850.099	1850.000	1909.884	1910.000	20°C/3.91V
PCS 1900	512/810	1850.2/1909.8	1850.033	1850.000	1909.938	1910.000	10°C/3.91V
PCS 1900	512/810	1850.2/1909.8	1850.088	1850.000	1909.918	1910.000	0°C/3.91V
PCS 1900	512/810	1850.2/1909.8	1850.071	1850.000	1909.808	1910.000	-10°C/3.91V
PCS 1900	512/810	1850.2/1909.8	1850.069	1850.000	1909.863	1910.000	-20°C/3.91V
PCS 1900	512/810	1850.2/1909.8	1850.041	1850.000	1909.983	1910.000	-30°C/3.91V