

13 Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dBm)	ERP (dBm)	ERP Limit (dBm)	Verdict
EGPRS850 1 Slot	128	824.2	26.67	5.6	30.12	38.45	PASS
EGPRS850 1 Slot	190	836.6	26.86	5.6	30.31	38.45	PASS
EGPRS850 1 Slot	251	848.8	26.30	5.6	29.75	38.45	PASS
EGPRS850 2 Slot	128	824.2	24.78	5.6	28.23	38.45	PASS
EGPRS850 2 Slot	190	836.6	24.72	5.6	28.17	38.45	PASS
EGPRS850 2 Slot	251	848.8	24.60	5.6	28.05	38.45	PASS
EGPRS850 3 Slot	128	824.2	22.88	5.6	26.33	38.45	PASS
EGPRS850 3 Slot	190	836.6	23.24	5.6	26.69	38.45	PASS
EGPRS850 3 Slot	251	848.8	23.13	5.6	26.58	38.45	PASS
EGPRS850 4 Slot	128	824.2	21.70	5.6	25.15	38.45	PASS
EGPRS850 4 Slot	190	836.6	21.73	5.6	25.18	38.45	PASS
EGPRS850 4 Slot	251	848.8	21.86	5.6	25.31	38.45	PASS

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
EGPRS1900 1 Slot	512	1850.2	26.60	3.63	30.23	33	PASS
EGPRS1900 1 Slot	661	1880	26.66	3.63	30.29	33	PASS
EGPRS1900 1 Slot	810	1909.8	26.96	3.63	30.59	33	PASS
EGPRS1900 2 Slot	512	1850.2	24.25	3.63	27.88	33	PASS
EGPRS1900 2 Slot	661	1880	24.53	3.63	28.16	33	PASS
EGPRS1900 2 Slot	810	1909.8	24.70	3.63	28.33	33	PASS
EGPRS1900 3 Slot	512	1850.2	22.55	3.63	26.18	33	PASS
EGPRS1900 3 Slot	661	1880	22.84	3.63	26.47	33	PASS
EGPRS1900 3 Slot	810	1909.8	23.18	3.63	26.81	33	PASS
EGPRS1900 4 Slot	512	1850.2	21.56	3.63	25.19	33	PASS
EGPRS1900 4 Slot	661	1880	21.52	3.63	25.15	33	PASS
EGPRS1900 4 Slot	810	1909.8	22.19	3.63	25.82	33	PASS

14 Frequency stability**14.1 Frequency VS Voltage**

Band	Voltage	Temp (℃)	Channel	Frequency (MHz)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
EGPRS1900	LV	NT	512	1850.2	-0.14	0.000	±2.5	PASS
EGPRS1900	NV	NT	512	1850.2	-0.91	-0.001	±2.5	PASS
EGPRS1900	HV	NT	512	1850.2	-3.34	-0.005	±2.5	PASS
EGPRS1900	LV	NT	661	1880	-5.16	-0.007	±2.5	PASS
EGPRS1900	NV	NT	661	1880	0.59	0.001	±2.5	PASS
EGPRS1900	HV	NT	661	1880	2.60	0.004	±2.5	PASS
EGPRS1900	LV	NT	810	1909.8	-1.54	-0.002	±2.5	PASS
EGPRS1900	NV	NT	810	1909.8	-3.62	-0.005	±2.5	PASS
EGPRS1900	HV	NT	810	1909.8	-2.36	-0.003	±2.5	PASS
EGPRS850	LV	NT	128	824.2	-4.23	-0.006	±2.5	PASS
EGPRS850	NV	NT	128	824.2	5.20	0.007	±2.5	PASS
EGPRS850	HV	NT	128	824.2	6.70	0.003	±2.5	PASS
EGPRS850	LV	NT	190	836.6	-4.42	-0.002	±2.5	PASS
EGPRS850	NV	NT	190	836.6	-5.96	-0.002	±2.5	PASS
EGPRS850	HV	NT	190	836.6	2.46	0.001	±2.5	PASS
EGPRS850	LV	NT	251	848.8	-0.58	0.000	±2.5	PASS
EGPRS850	NV	NT	251	848.8	-5.94	-0.003	±2.5	PASS
EGPRS850	HV	NT	251	848.8	-2.14	-0.001	±2.5	PASS

14.2.Frequency Vs Temperature

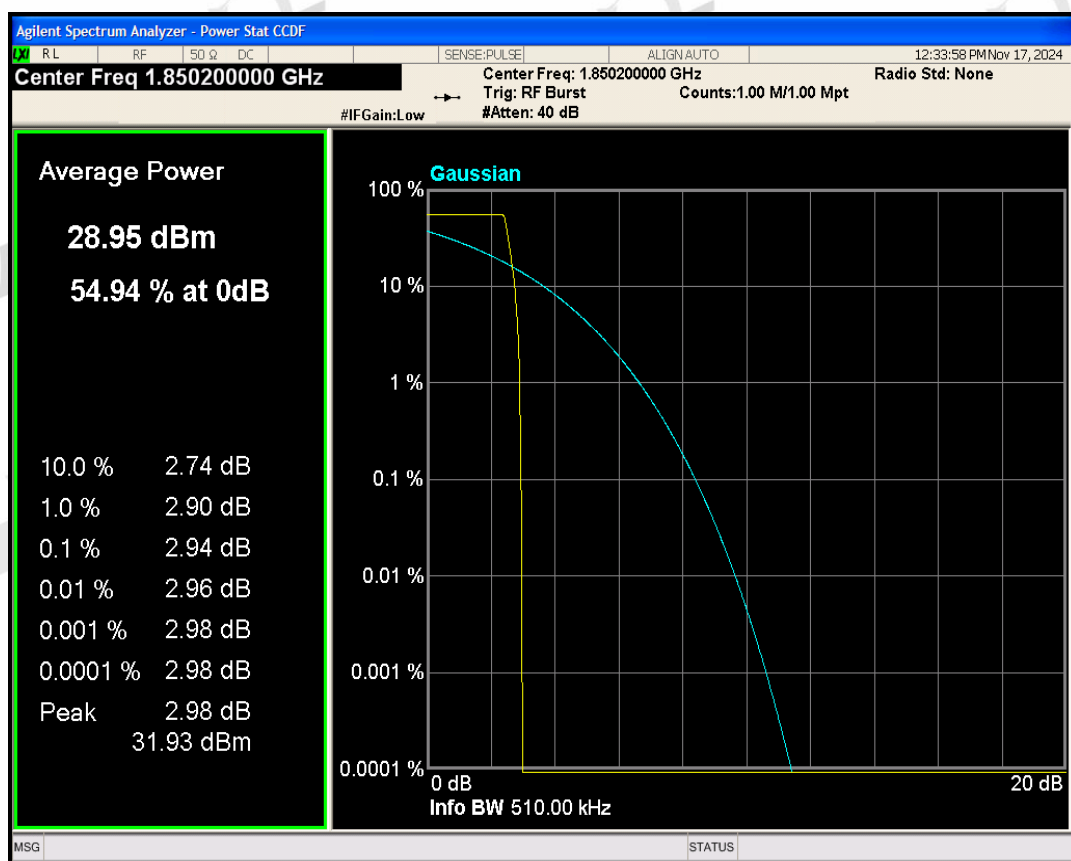
Band	Voltage	Temp (℃)	Channel	Frequency (MHz)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
EGPRS1900	NV	-30	512	1850.2	4.25	0.006	±2.5	PASS
EGPRS1900	NV	-20	512	1850.2	1.23	0.002	±2.5	PASS
EGPRS1900	NV	0	512	1850.2	-5.29	-0.007	±2.5	PASS
EGPRS1900	NV	10	512	1850.2	-5.53	-0.008	±2.5	PASS
EGPRS1900	NV	20	512	1850.2	-1.47	-0.002	±2.5	PASS
EGPRS1900	NV	30	512	1850.2	-1.18	-0.002	±2.5	PASS
EGPRS1900	NV	40	512	1850.2	-0.55	-0.001	±2.5	PASS
EGPRS1900	NV	50	512	1850.2	-2.93	-0.004	±2.5	PASS
EGPRS1900	NV	-30	661	1880	-7.10	-0.010	±2.5	PASS
EGPRS1900	NV	-20	661	1880	0.23	0.000	±2.5	PASS
EGPRS1900	NV	0	661	1880	1.39	0.002	±2.5	PASS
EGPRS1900	NV	10	661	1880	-0.54	-0.001	±2.5	PASS
EGPRS1900	NV	20	661	1880	0.16	0.000	±2.5	PASS
EGPRS1900	NV	30	661	1880	-1.17	-0.002	±2.5	PASS
EGPRS1900	NV	40	661	1880	-14.41	-0.008	±2.5	PASS
EGPRS1900	NV	50	661	1880	-1.56	-0.001	±2.5	PASS
EGPRS1900	NV	-30	810	1909.8	10.86	0.006	±2.5	PASS
EGPRS1900	NV	-20	810	1909.8	5.70	0.003	±2.5	PASS

EGPRS1900	NV	0	810	1909.8	9.87	0.004	±2.5	PASS
EGPRS1900	NV	10	810	1909.8	9.46	0.004	±2.5	PASS
EGPRS1900	NV	20	810	1909.8	4.23	0.002	±2.5	PASS
EGPRS1900	NV	30	810	1909.8	-5.13	-0.006	±2.5	PASS
EGPRS1900	NV	40	810	1909.8	-6.35	-0.008	±2.5	PASS
EGPRS1900	NV	50	810	1909.8	-6.58	-0.008	±2.5	PASS
EGPRS850	NV	-30	128	824.2	-0.14	0.000	±2.5	PASS
EGPRS850	NV	-20	128	824.2	0.35	0.000	±2.5	PASS
EGPRS850	NV	0	128	824.2	-1.64	-0.002	±2.5	PASS
EGPRS850	NV	10	128	824.2	6.59	0.003	±2.5	PASS
EGPRS850	NV	20	128	824.2	-3.89	-0.002	±2.5	PASS
EGPRS850	NV	30	128	824.2	5.66	0.002	±2.5	PASS
EGPRS850	NV	40	128	824.2	-2.56	-0.001	±2.5	PASS
EGPRS850	NV	50	128	824.2	5.91	0.002	±2.5	PASS
EGPRS850	NV	-30	190	836.6	11.95	0.005	±2.5	PASS
EGPRS850	NV	-20	190	836.6	9.87	0.004	±2.5	PASS
EGPRS850	NV	0	190	836.6	9.46	0.004	±2.5	PASS
EGPRS850	NV	10	190	836.6	4.23	0.002	±2.5	PASS
EGPRS850	NV	20	190	836.6	6.62	0.004	±2.5	PASS
EGPRS850	NV	30	190	836.6	-2.41	-0.001	±2.5	PASS
EGPRS850	NV	40	190	836.6	-0.14	0.000	±2.5	PASS
EGPRS850	NV	50	190	836.6	-1.27	-0.001	±2.5	PASS
EGPRS850	NV	-30	251	848.8	1.65	0.001	±2.5	PASS
EGPRS850	NV	-20	251	848.8	1.16	0.000	±2.5	PASS
EGPRS850	NV	0	251	848.8	12.91	0.005	±2.5	PASS
EGPRS850	NV	10	251	848.8	6.62	0.004	±2.5	PASS
EGPRS850	NV	20	251	848.8	-2.41	-0.001	±2.5	PASS
EGPRS850	NV	30	251	848.8	-0.14	0.000	±2.5	PASS
EGPRS850	NV	40	251	848.8	-1.27	-0.001	±2.5	PASS
EGPRS850	NV	50	251	848.8	1.68	0.001	±2.5	PASS

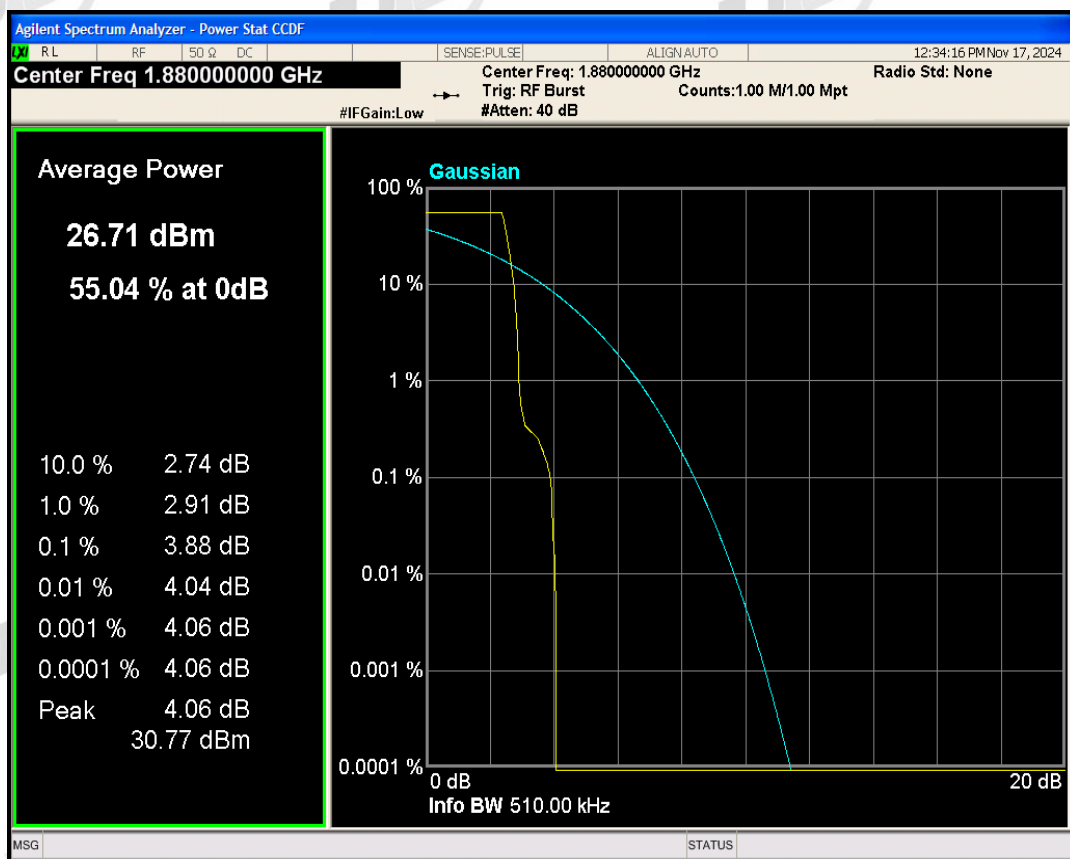
15 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
EGPRS1900	512	1850.2	2.942842857	13.00	PASS
EGPRS1900	661	1880	3.883382353	13.00	PASS
EGPRS1900	810	1909.8	2.996589862	13.00	PASS
EGPRS850	128	824.2	3.117154812	13.00	PASS
EGPRS850	190	836.6	2.93535316	13.00	PASS
EGPRS850	251	848.8	3.15381068	13.00	PASS

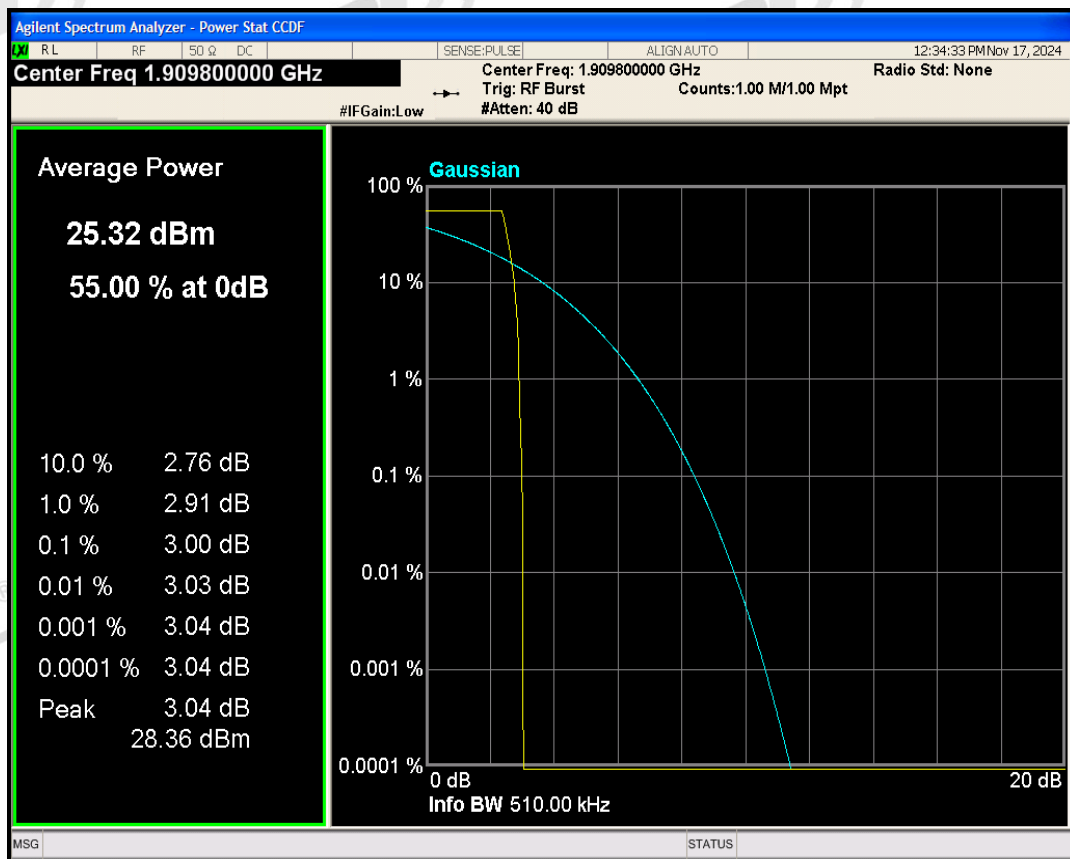
EGPRS1900 Channel=512



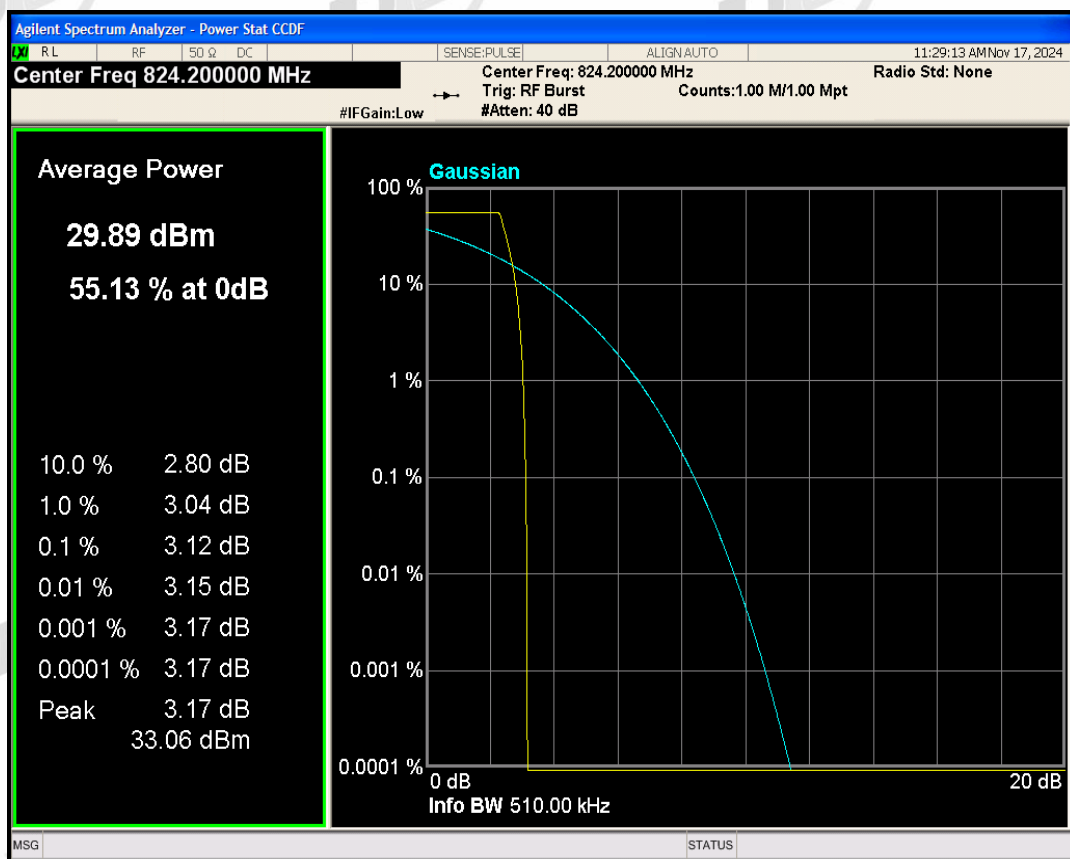
EGPRS1900 Channel=661



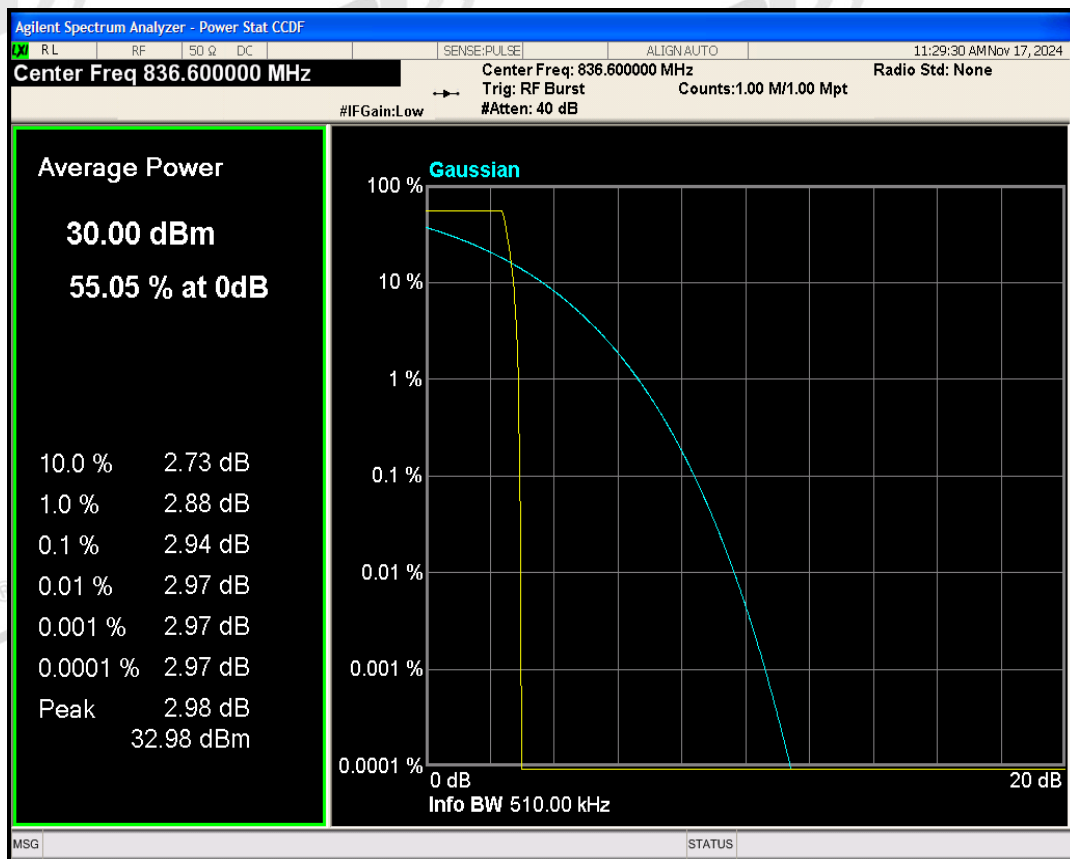
EGPRS1900 Channel=810



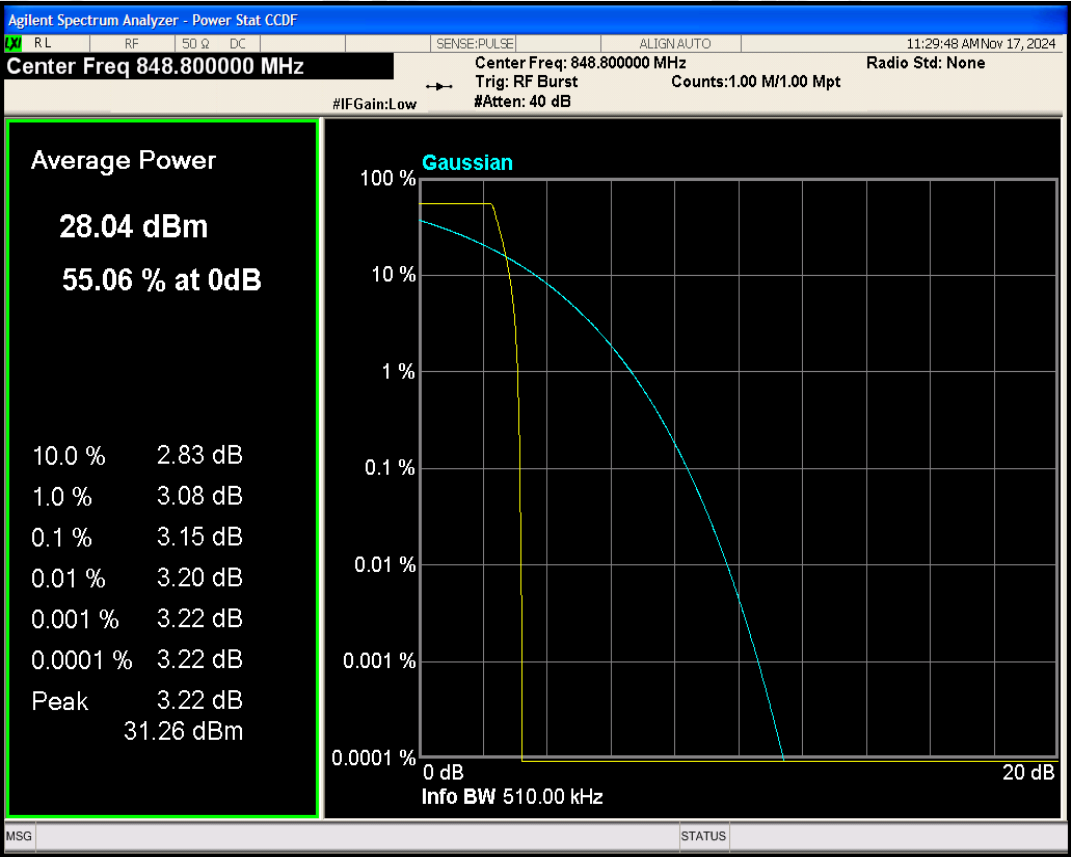
EGPRS850 Channel=128



EGPRS850 Channel=190



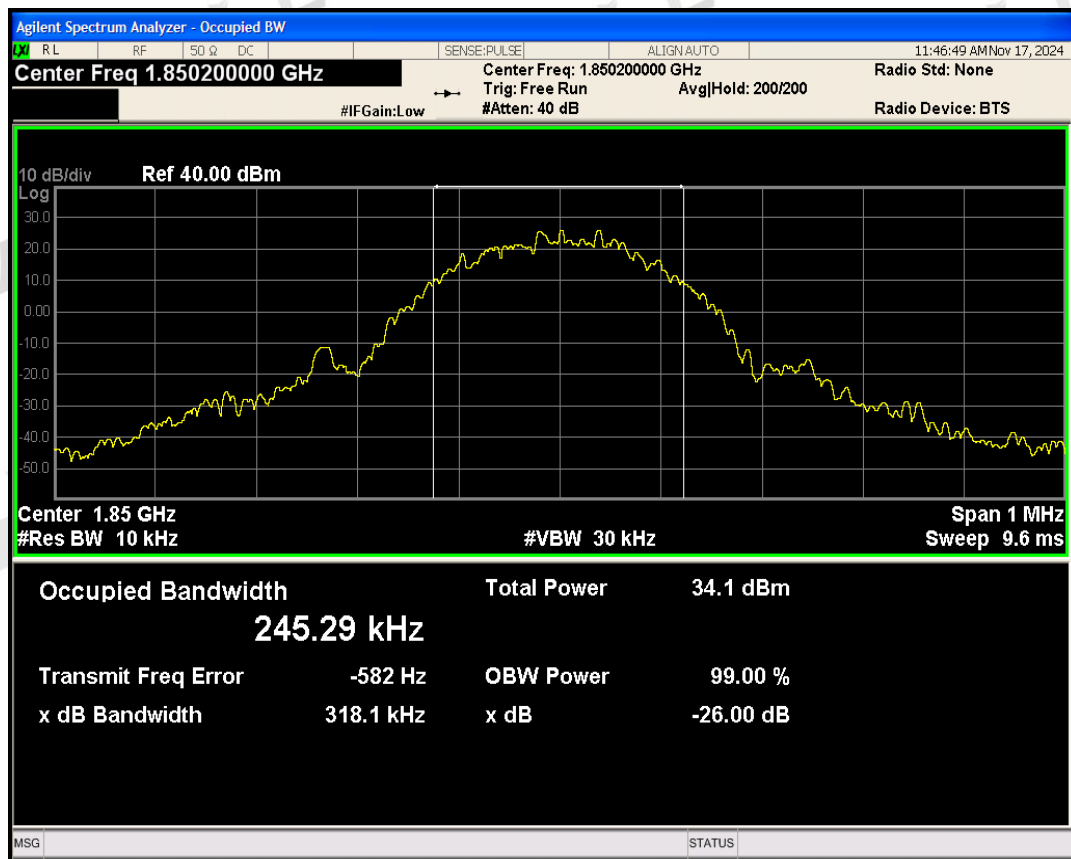
EGPRS850 Channel=251



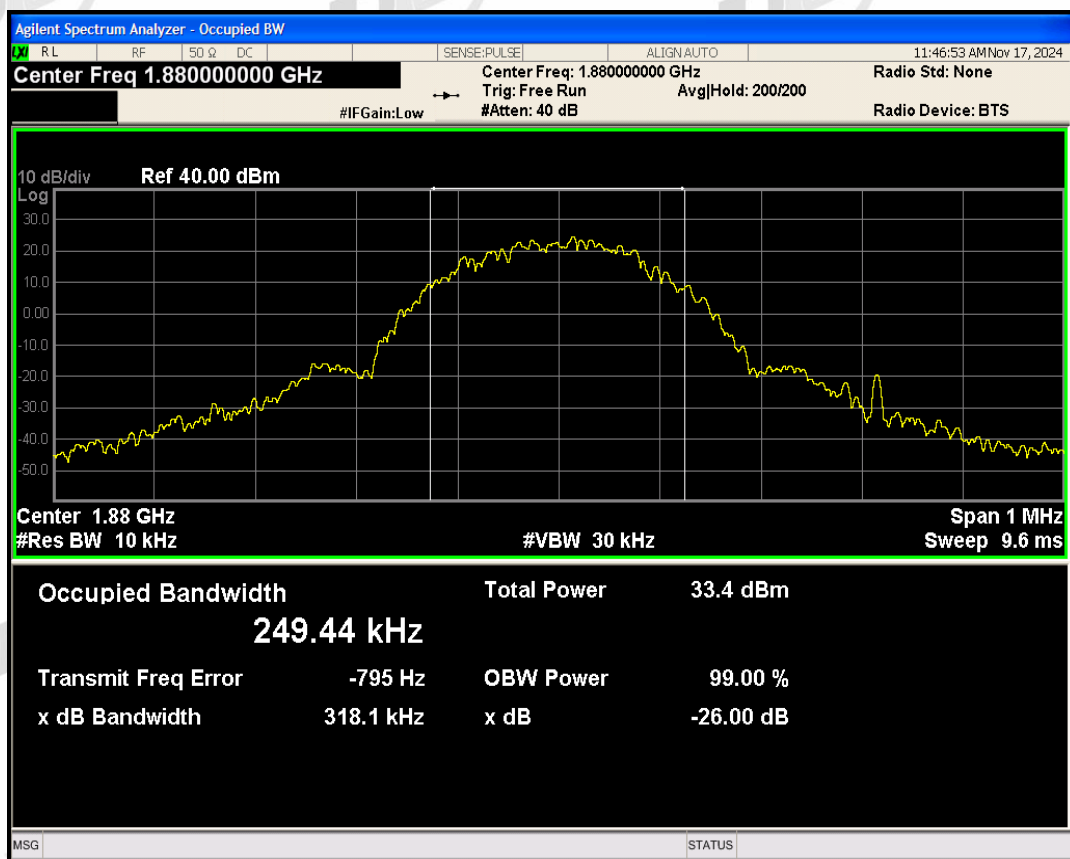
16 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
EGPRS1900	512	1850.2	245.287	318.064	PASS
EGPRS1900	661	1880	249.442	318.068	PASS
EGPRS1900	810	1909.8	253.596	319.565	PASS
EGPRS850	128	824.2	245.357	315.576	PASS
EGPRS850	190	836.6	242.427	316.369	PASS
EGPRS850	251	848.8	247.665	301.426	PASS

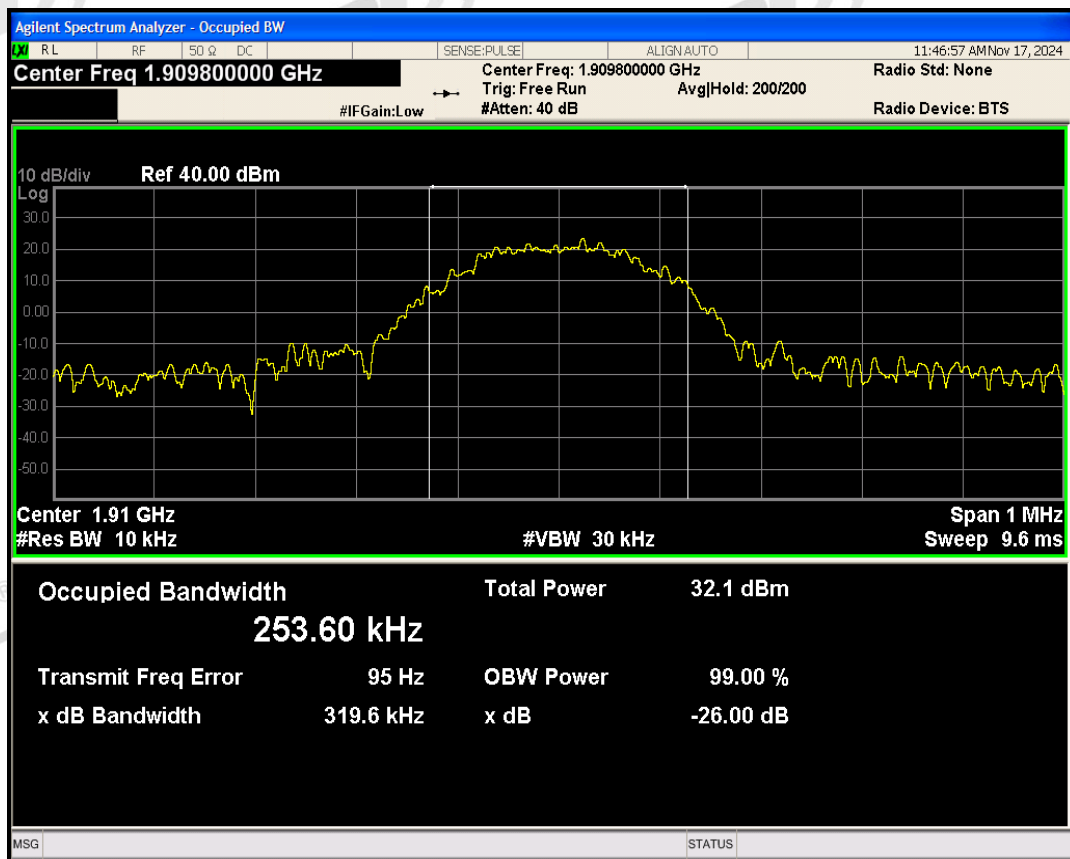
EGPRS1900 Channel=512



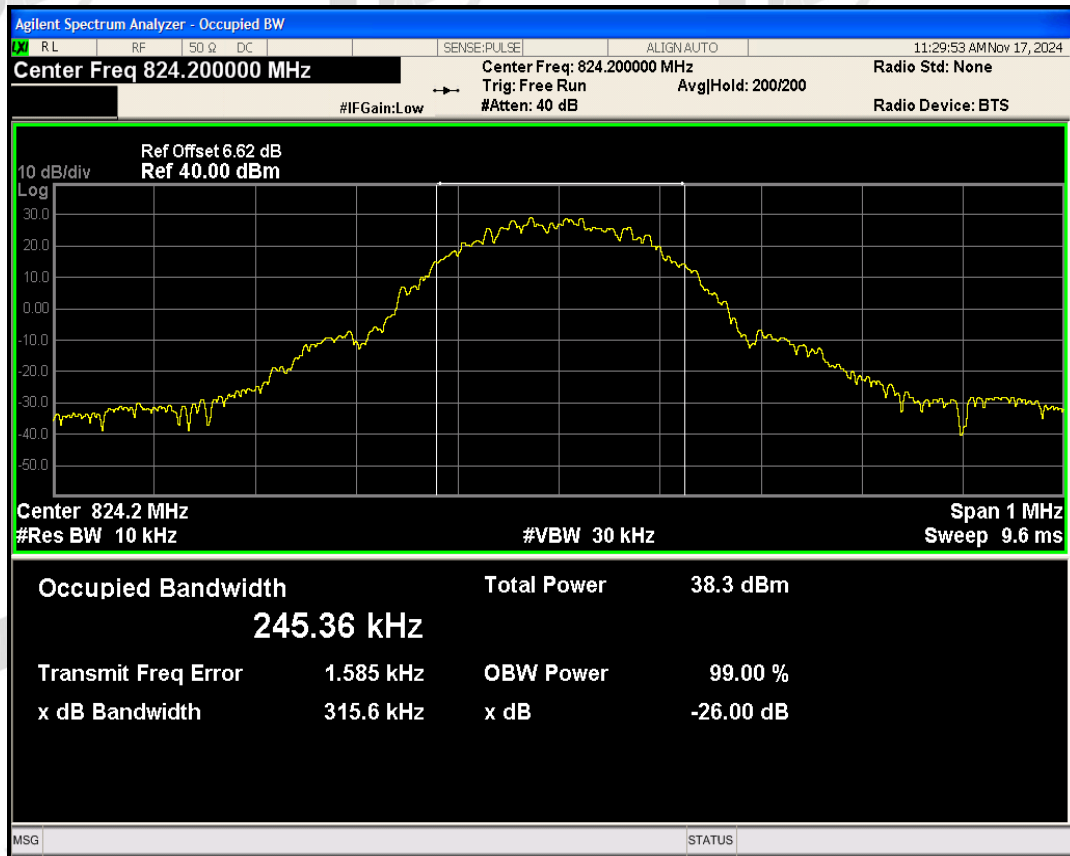
EGPRS1900 Channel=661



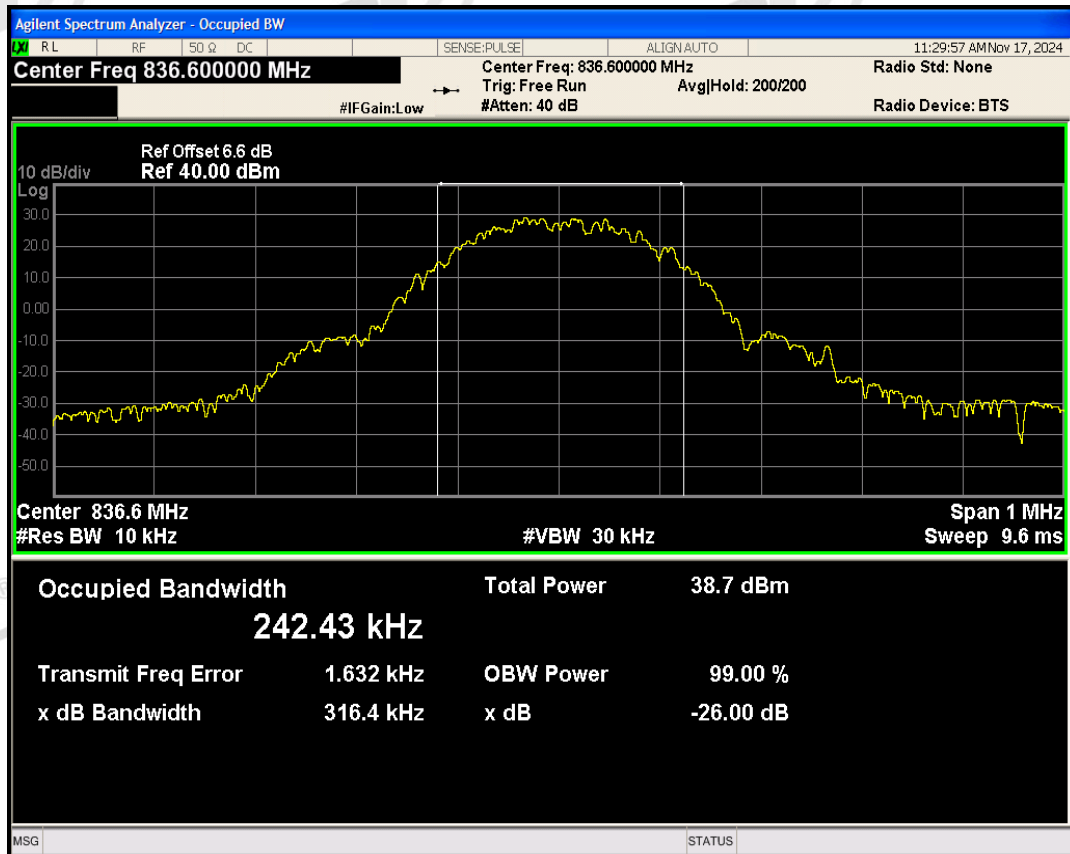
EGPRS1900 Channel=810



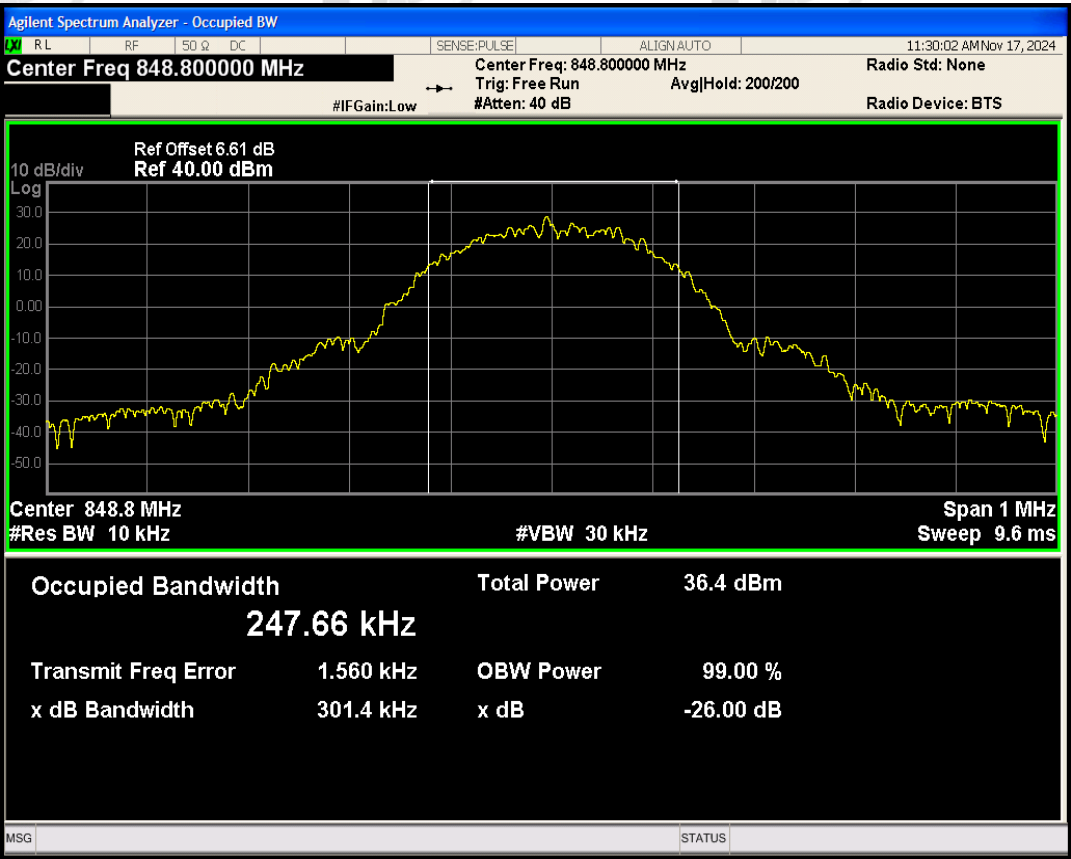
EGPRS850 Channel=128



EGPRS850 Channel=190



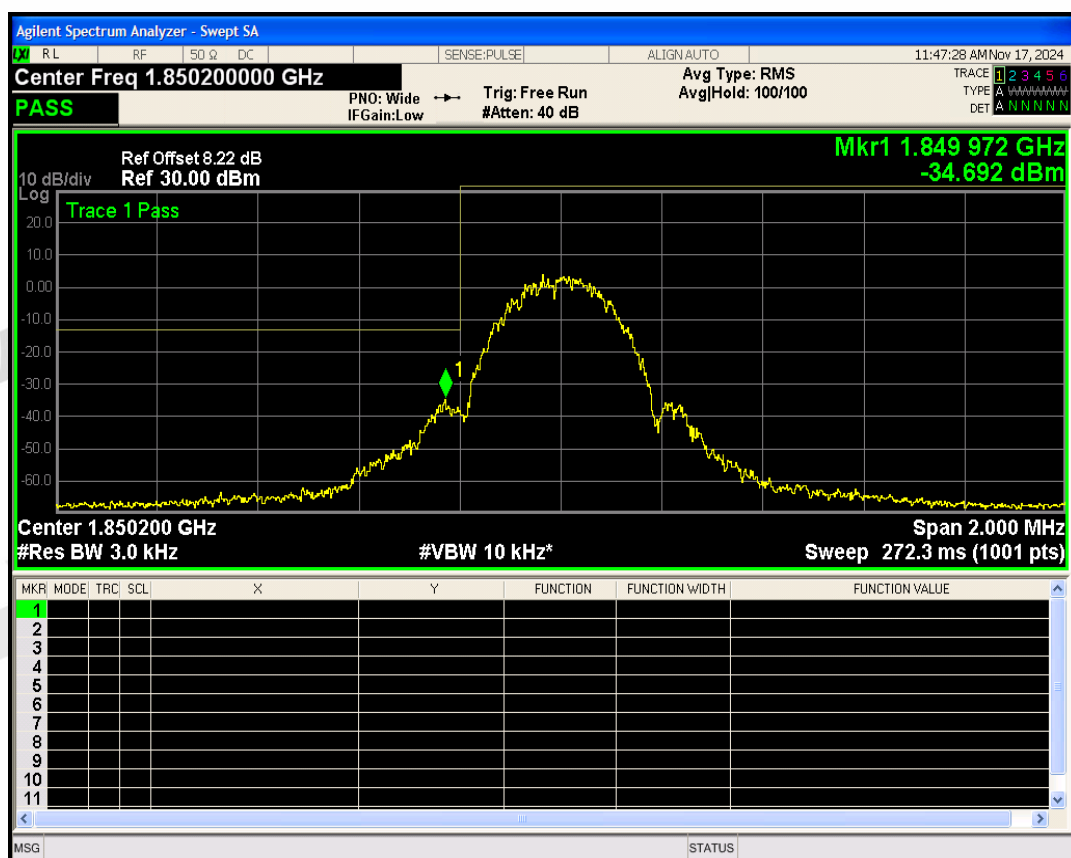
EGPRS850 Channel=251



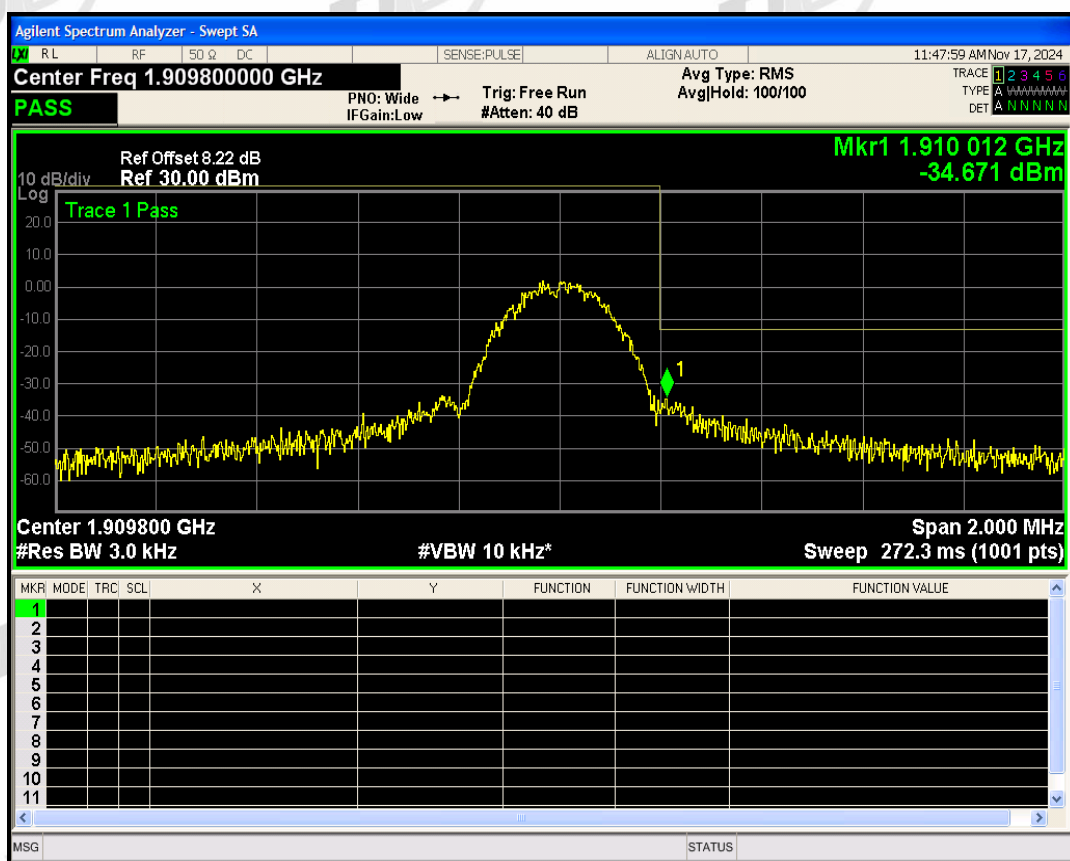
17 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
EGPRS1900	512	1850.2	1849.97	-34.69	-13	PASS
EGPRS1900	810	1909.8	1910.01	-34.67	-13	PASS
EGPRS850	128	824.2	823.98	-28.23	-13	PASS
EGPRS850	251	848.8	849.01	-30.50	-13	PASS

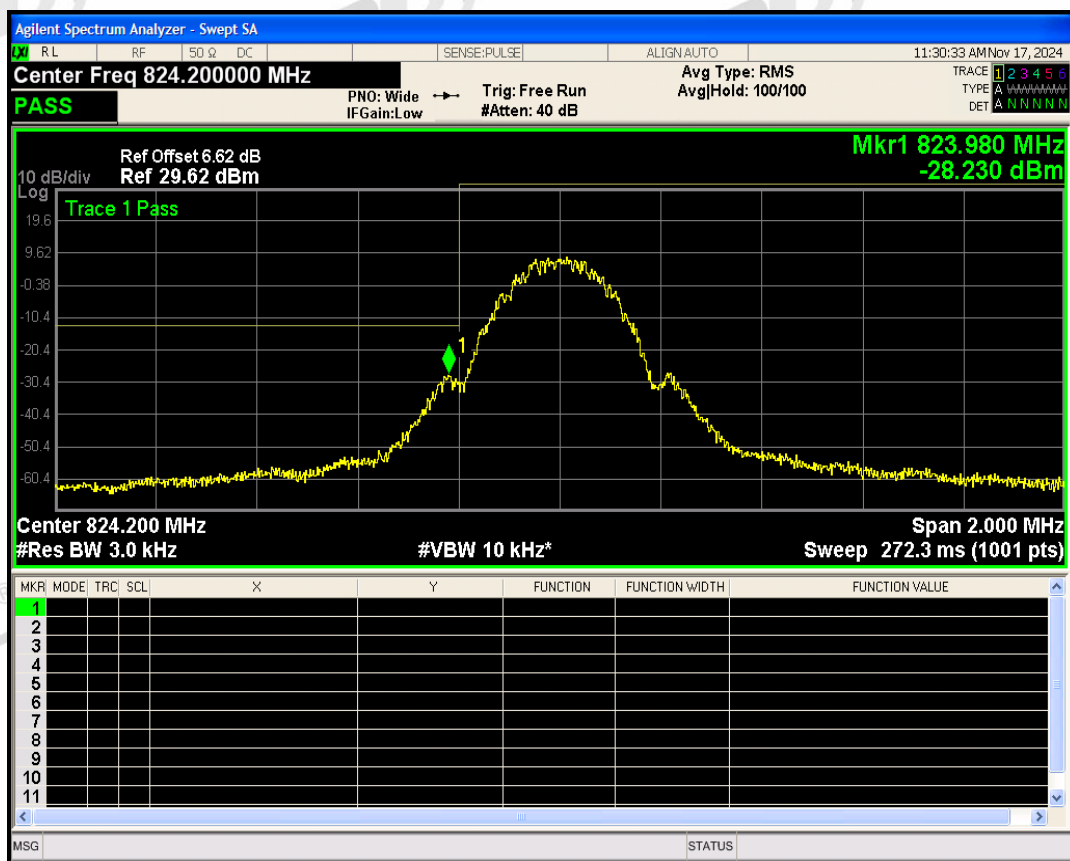
EGPRS1900 Channel=512



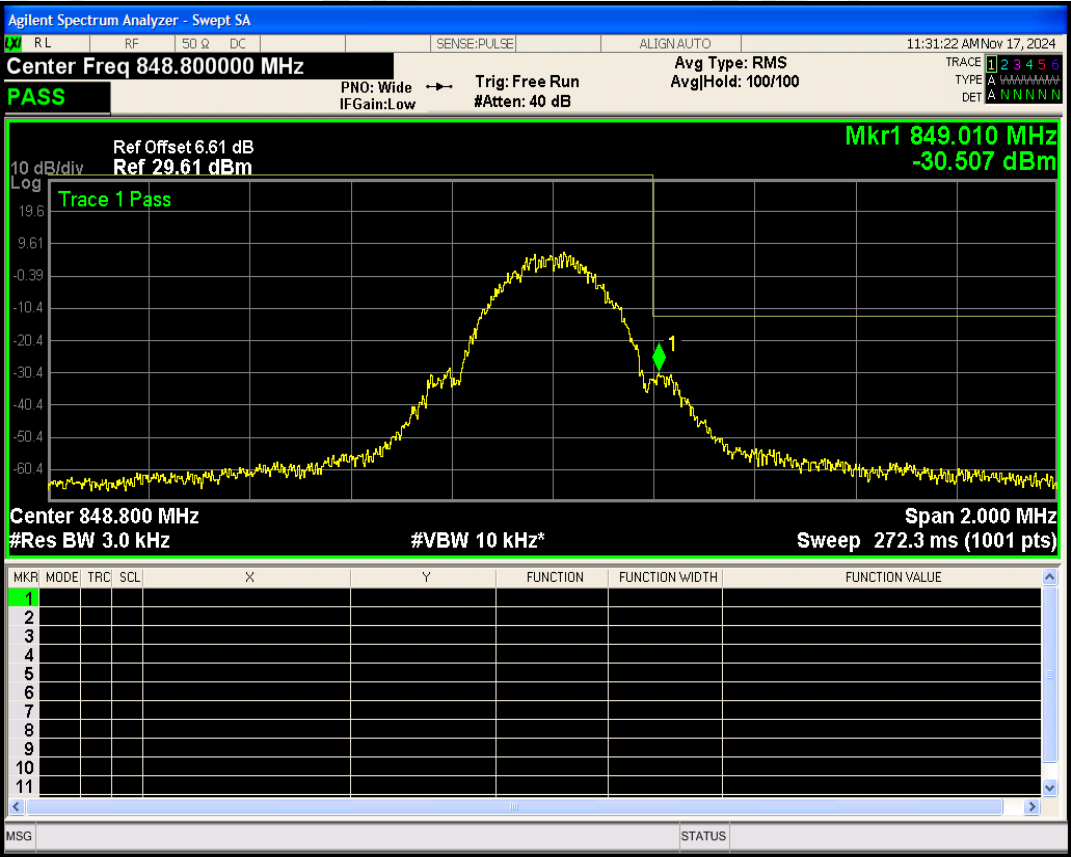
EGPRS1900 Channel=810



EGPRS850 Channel=128



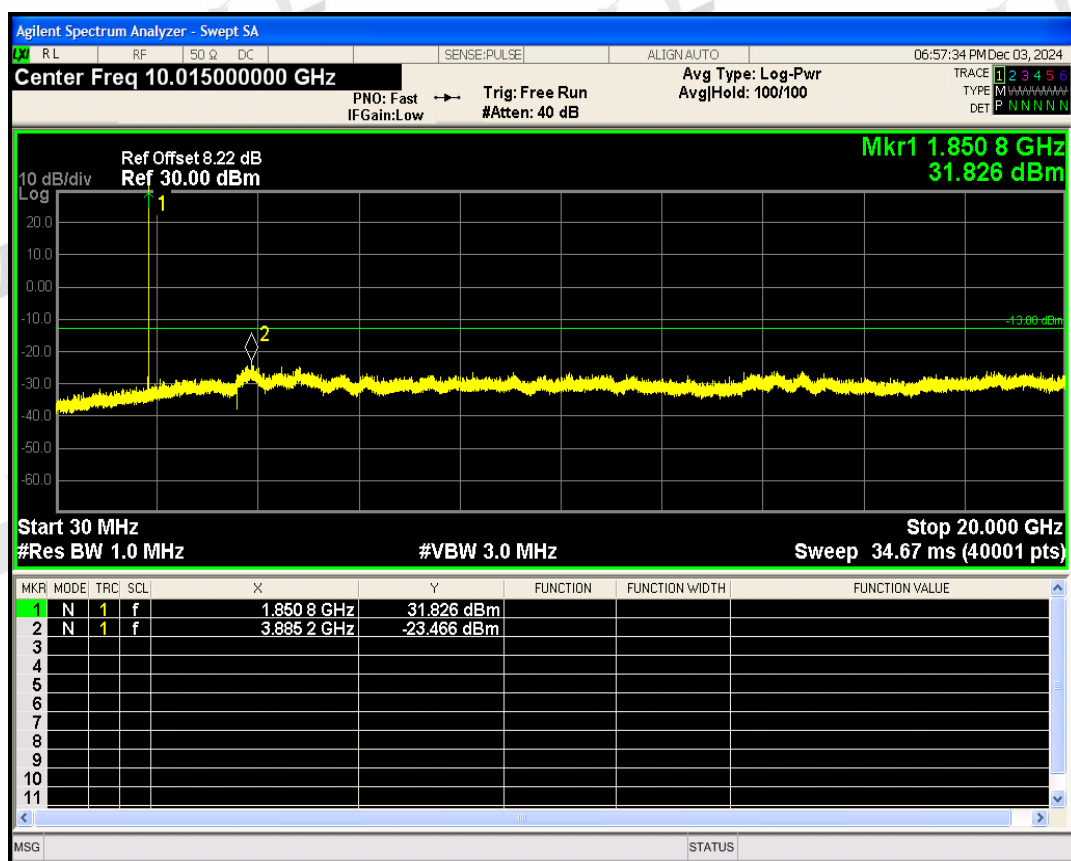
EGPRS850 Channel=251



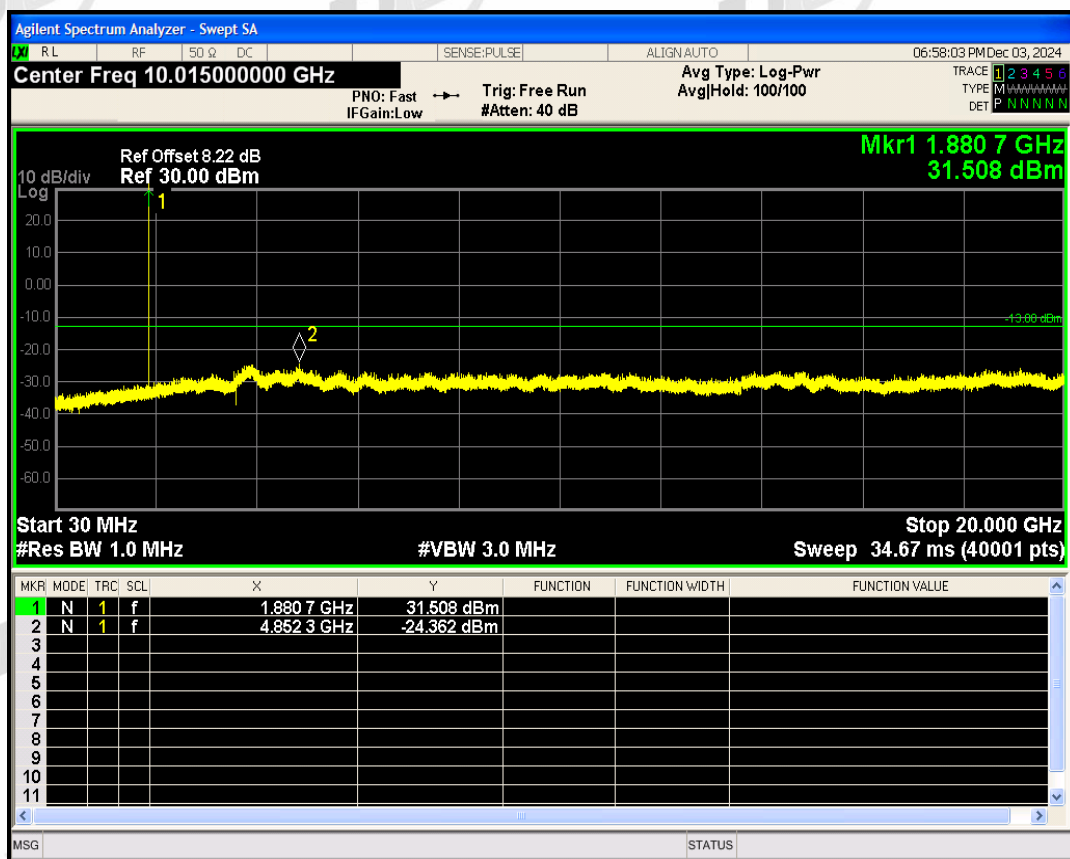
18 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
EGPRS1900	512	1850.2	3885.21	-23.46	-13	PASS
EGPRS1900	661	1880	4852.26	-24.36	-13	PASS
EGPRS1900	810	1909.8	3837.28	-23.75	-13	PASS
EGPRS850	128	824.2	3909.08	-25.38	-13	PASS
EGPRS850	190	836.6	3919.55	-26.12	-13	PASS
EGPRS850	251	848.8	3817.60	-25.93	-13	PASS

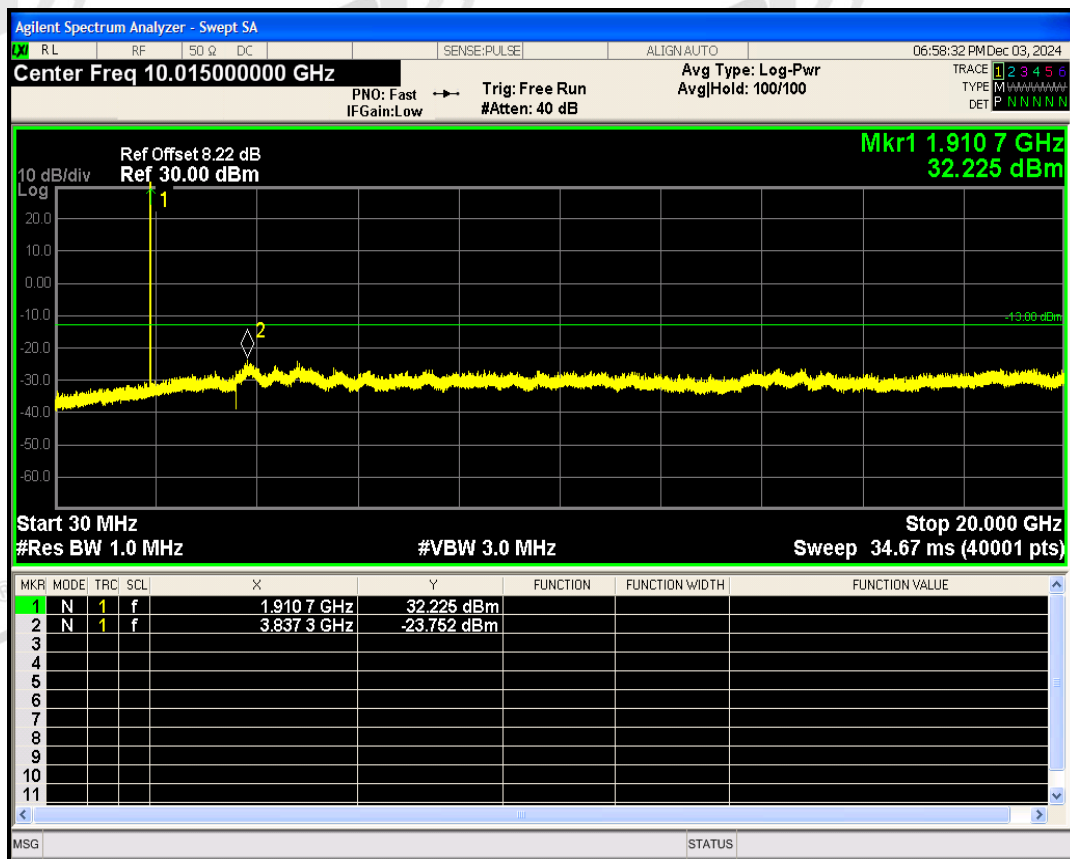
EGPRS1900 Channel=512



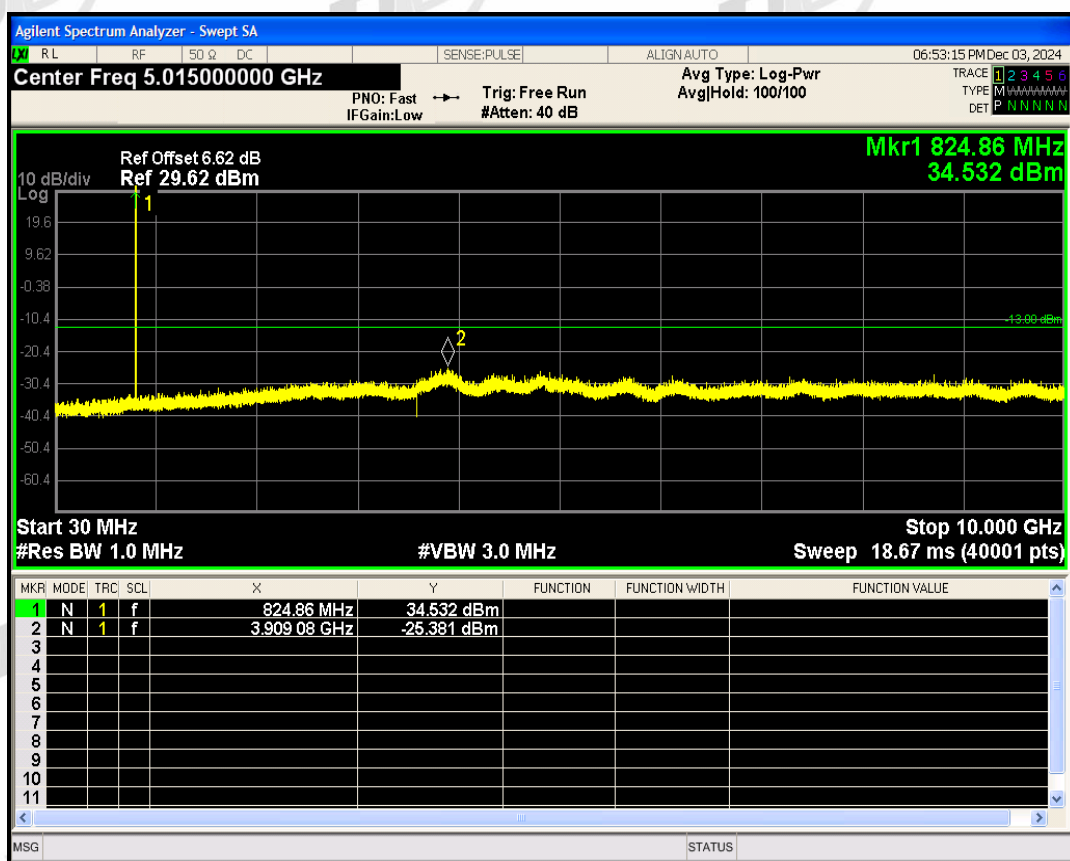
EGPRS1900 Channel=661



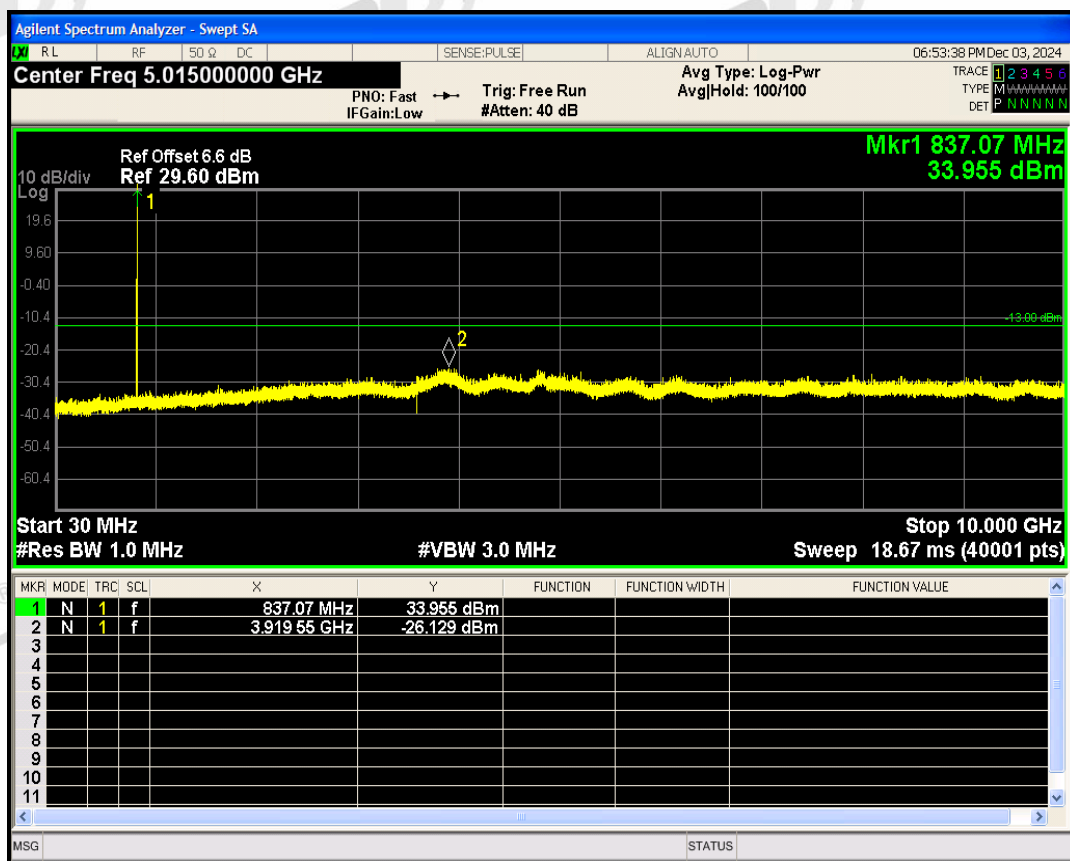
EGPRS1900 Channel=810



EGPRS850 Channel=128



EGPRS850 Channel=190



[illegible]

07 Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dBm)	ERP (dBm)	ERP Limit (dBm)	Verdict
GPRS850 1 Slot	128	824.2	31.95	5.6	35.4	38.45	PASS
GPRS850 1 Slot	190	836.6	31.98	5.6	35.43	38.45	PASS
GPRS850 1 Slot	251	848.8	31.95	5.6	35.4	38.45	PASS
GPRS850 2 Slot	128	824.2	30.46	5.6	33.91	38.45	PASS
GPRS850 2 Slot	190	836.6	30.38	5.6	33.83	38.45	PASS
GPRS850 2 Slot	251	848.8	30.08	5.6	33.53	38.45	PASS
GPRS850 3 Slot	128	824.2	28.54	5.6	31.99	38.45	PASS
GPRS850 3 Slot	190	836.6	28.98	5.6	32.43	38.45	PASS
GPRS850 3 Slot	251	848.8	28.65	5.6	32.1	38.45	PASS
GPRS850 4 Slot	128	824.2	27.52	5.6	30.97	38.45	PASS
GPRS850 4 Slot	190	836.6	27.58	5.6	31.03	38.45	PASS
GPRS850 4 Slot	251	848.8	27.47	5.6	30.92	38.45	PASS

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
GPRS1900 1 Slot	512	1850.2	28.17	3.83	31.8	33	PASS
GPRS1900 1 Slot	661	1880	28.38	3.83	32.01	33	PASS
GPRS1900 1 Slot	810	1909.8	28.43	3.83	32.06	33	PASS
GPRS1900 2 Slot	512	1850.2	28.73	3.83	32.36	33	PASS
GPRS1900 2 Slot	661	1880	28.79	3.83	32.42	33	PASS
GPRS1900 2 Slot	810	1909.8	28.75	3.83	32.38	33	PASS
GPRS1900 3 Slot	512	1850.2	26.40	3.83	30.03	33	PASS
GPRS1900 3 Slot	661	1880	26.37	3.83	30	33	PASS
GPRS1900 3 Slot	810	1909.8	26.96	3.83	30.59	33	PASS
GPRS1900 4 Slot	512	1850.2	25.52	3.83	29.15	33	PASS
GPRS1900 4 Slot	661	1880	25.57	3.83	29.2	33	PASS
GPRS1900 4 Slot	810	1909.8	25.68	3.83	29.31	33	PASS

08 Frequency stability**08.1 Frequency VS Voltage**

Band	Voltage	Temp (℃)	Channel	Frequency (MHz)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
GPRS1900	LV	NT	512	1850.2	-0.14	0.000	±2.5	PASS
GPRS1900	NV	NT	512	1850.2	-0.91	-0.001	±2.5	PASS
GPRS1900	HV	NT	512	1850.2	-3.34	-0.005	±2.5	PASS
GPRS1900	LV	NT	661	1880	-5.16	-0.007	±2.5	PASS
GPRS1900	NV	NT	661	1880	0.59	0.001	±2.5	PASS
GPRS1900	HV	NT	661	1880	2.60	0.004	±2.5	PASS
GPRS1900	LV	NT	810	1909.8	-1.54	-0.002	±2.5	PASS
GPRS1900	NV	NT	810	1909.8	-3.62	-0.005	±2.5	PASS
GPRS1900	HV	NT	810	1909.8	-2.36	-0.003	±2.5	PASS
GPRS850	LV	NT	128	824.2	-4.23	-0.006	±2.5	PASS
GPRS850	NV	NT	128	824.2	5.20	0.007	±2.5	PASS
GPRS850	HV	NT	128	824.2	6.70	0.003	±2.5	PASS
GPRS850	LV	NT	190	836.6	-4.42	-0.002	±2.5	PASS
GPRS850	NV	NT	190	836.6	-5.96	-0.002	±2.5	PASS
GPRS850	HV	NT	190	836.6	2.46	0.001	±2.5	PASS
GPRS850	LV	NT	251	848.8	-0.58	0.000	±2.5	PASS
GPRS850	NV	NT	251	848.8	-5.94	-0.003	±2.5	PASS
GPRS850	HV	NT	251	848.8	-2.14	-0.001	±2.5	PASS

08.1 Frequency Vs Temperature

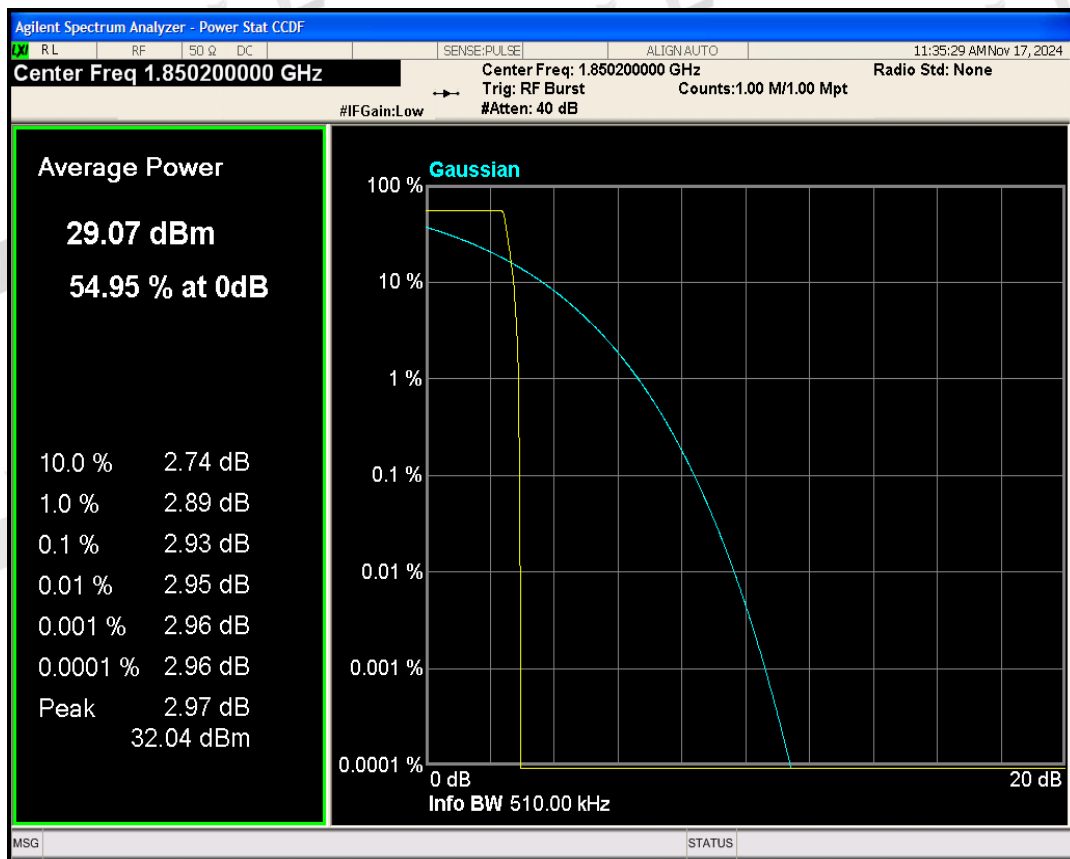
Band	Voltage	Temp (℃)	Channel	Frequency (MHz)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
GPRS1900	NV	-30	512	1850.2	3.42	0.005	±2.5	PASS
GPRS1900	NV	-20	512	1850.2	-0.27	0.000	±2.5	PASS
GPRS1900	NV	0	512	1850.2	-5.99	-0.008	±2.5	PASS
GPRS1900	NV	10	512	1850.2	-0.52	-0.001	±2.5	PASS
GPRS1900	NV	20	512	1850.2	1.26	0.002	±2.5	PASS
GPRS1900	NV	30	512	1850.2	0.43	0.001	±2.5	PASS
GPRS1900	NV	40	512	1850.2	-2.09	-0.003	±2.5	PASS
GPRS1900	NV	50	512	1850.2	-4.43	-0.006	±2.5	PASS
GPRS1900	NV	-30	661	1880	-5.40	-0.008	±2.5	PASS
GPRS1900	NV	-20	661	1880	-7.20	-0.010	±2.5	PASS
GPRS1900	NV	0	661	1880	2.55	0.004	±2.5	PASS
GPRS1900	NV	10	661	1880	0.70	0.001	±2.5	PASS
GPRS1900	NV	20	661	1880	2.00	0.003	±2.5	PASS
GPRS1900	NV	30	661	1880	0.26	0.000	±2.5	PASS
GPRS1900	NV	40	661	1880	-13.87	-0.007	±2.5	PASS
GPRS1900	NV	50	661	1880	-3.75	-0.002	±2.5	PASS
GPRS1900	NV	-30	810	1909.8	0.74	0.000	±2.5	PASS
GPRS1900	NV	-20	810	1909.8	9.58	0.005	±2.5	PASS

GPRS1900	NV	0	810	1909.8	5.66	0.003	±2.5	PASS
GPRS1900	NV	10	810	1909.8	-3.79	-0.002	±2.5	PASS
GPRS1900	NV	20	810	1909.8	1.53	0.001	±2.5	PASS
GPRS1900	NV	30	810	1909.8	-0.99	0.000	±2.5	PASS
GPRS1900	NV	40	810	1909.8	-7.54	-0.003	±2.5	PASS
GPRS1900	NV	50	810	1909.8	-1.66	-0.001	±2.5	PASS
GPRS850	NV	-30	128	824.2	-4.66	-0.002	±2.5	PASS
GPRS850	NV	-20	128	824.2	-5.34	-0.002	±2.5	PASS
GPRS850	NV	0	128	824.2	-6.50	-0.004	±2.5	PASS
GPRS850	NV	10	128	824.2	-13.47	-0.008	±2.5	PASS
GPRS850	NV	20	128	824.2	9.32	0.005	±2.5	PASS
GPRS850	NV	30	128	824.2	0.53	0.000	±2.5	PASS
GPRS850	NV	40	128	824.2	5.04	0.003	±2.5	PASS
GPRS850	NV	50	128	824.2	-5.18	-0.003	±2.5	PASS
GPRS850	NV	-30	190	836.6	6.45	0.003	±2.5	PASS
GPRS850	NV	-20	190	836.6	3.19	0.001	±2.5	PASS
GPRS850	NV	0	190	836.6	7.95	0.003	±2.5	PASS
GPRS850	NV	10	190	836.6	5.49	0.002	±2.5	PASS
GPRS850	NV	20	190	836.6	3.17	0.001	±2.5	PASS
GPRS850	NV	30	190	836.6	3.13	0.001	±2.5	PASS
GPRS850	NV	40	190	836.6	1.09	0.000	±2.5	PASS
GPRS850	NV	50	190	836.6	-3.23	-0.004	±2.5	PASS
GPRS850	NV	-30	251	848.8	-5.27	-0.006	±2.5	PASS
GPRS850	NV	-20	251	848.8	-6.79	-0.008	±2.5	PASS
GPRS850	NV	0	251	848.8	-7.47	-0.009	±2.5	PASS
GPRS850	NV	10	251	848.8	5.12	0.002	±2.5	PASS
GPRS850	NV	20	251	848.8	-2.65	-0.001	±2.5	PASS
GPRS850	NV	30	251	848.8	-5.92	-0.002	±2.5	PASS
GPRS850	NV	40	251	848.8	-2.31	-0.001	±2.5	PASS
GPRS850	NV	50	251	848.8	6.31	0.002	±2.5	PASS

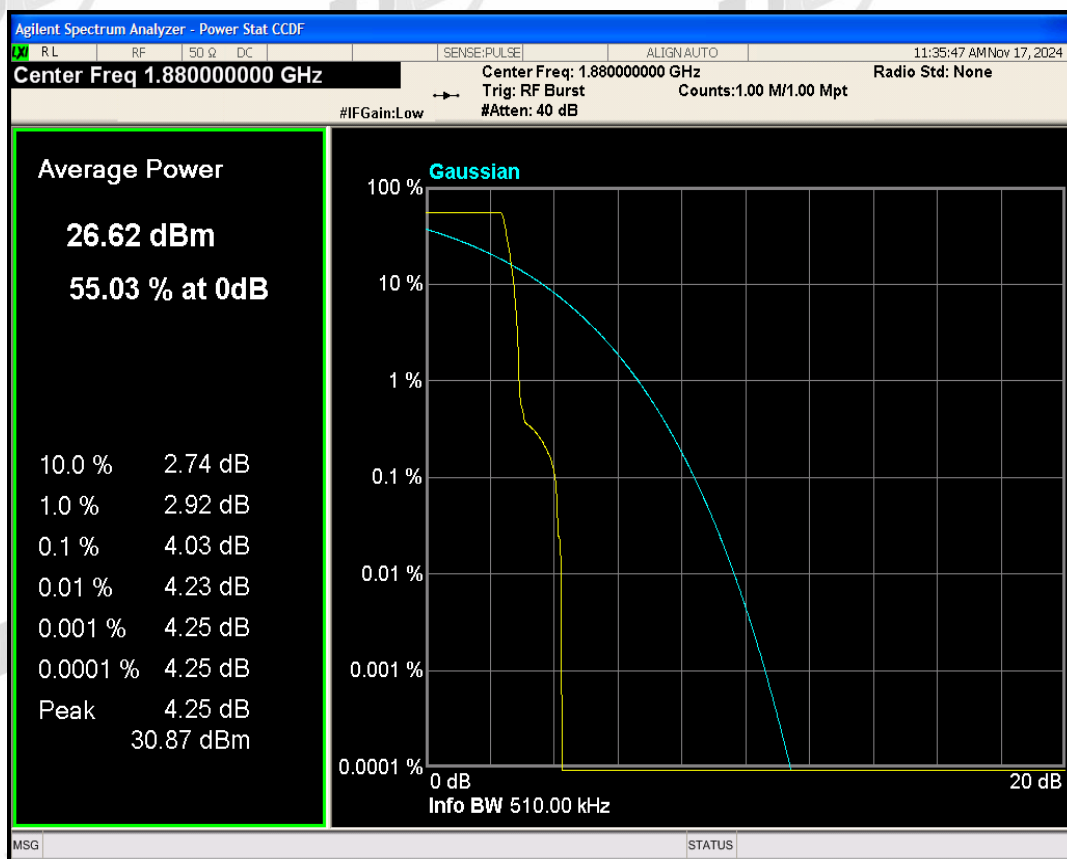
09 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS1900	512	1850.2	2.928634312	13.00	PASS
GPRS1900	661	1880	4.034339623	13.00	PASS
GPRS1900	810	1909.8	3.004716418	13.00	PASS
GPRS850	128	824.2	3.111757426	13.00	PASS
GPRS850	190	836.6	2.935162095	13.00	PASS
GPRS850	251	848.8	3.151705069	13.00	PASS

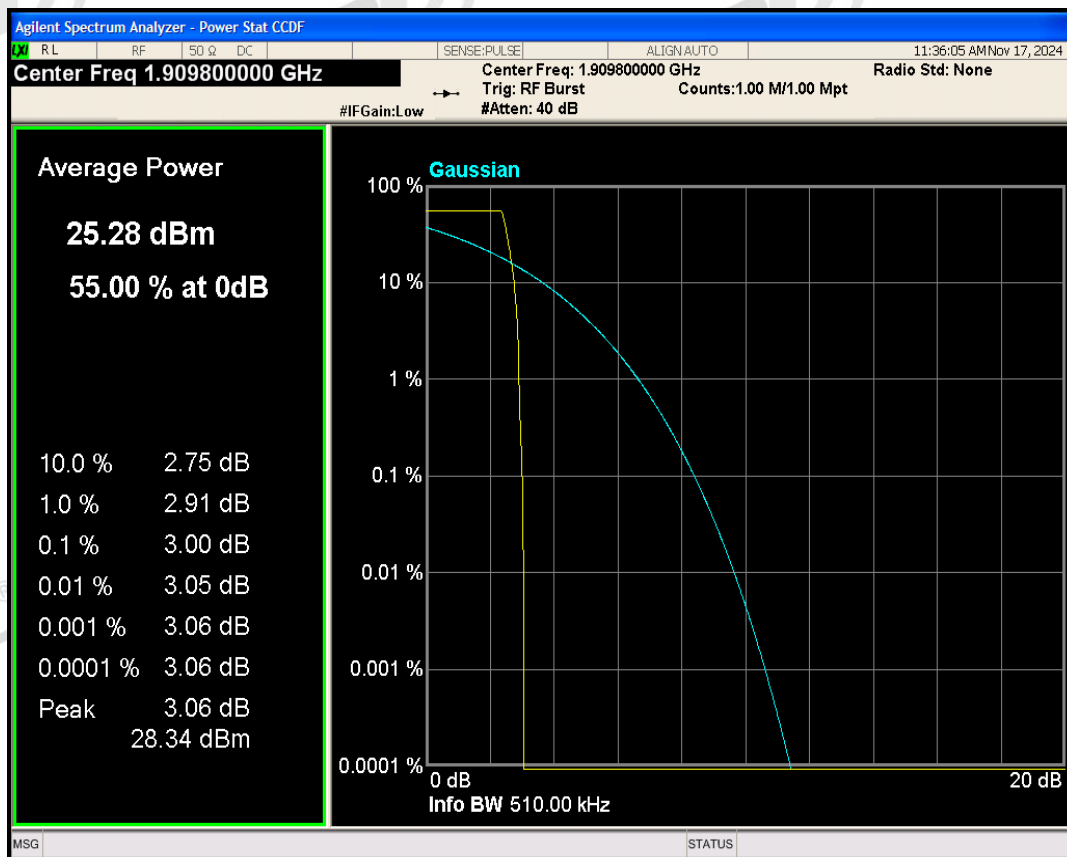
GPRS1900 Channel=512



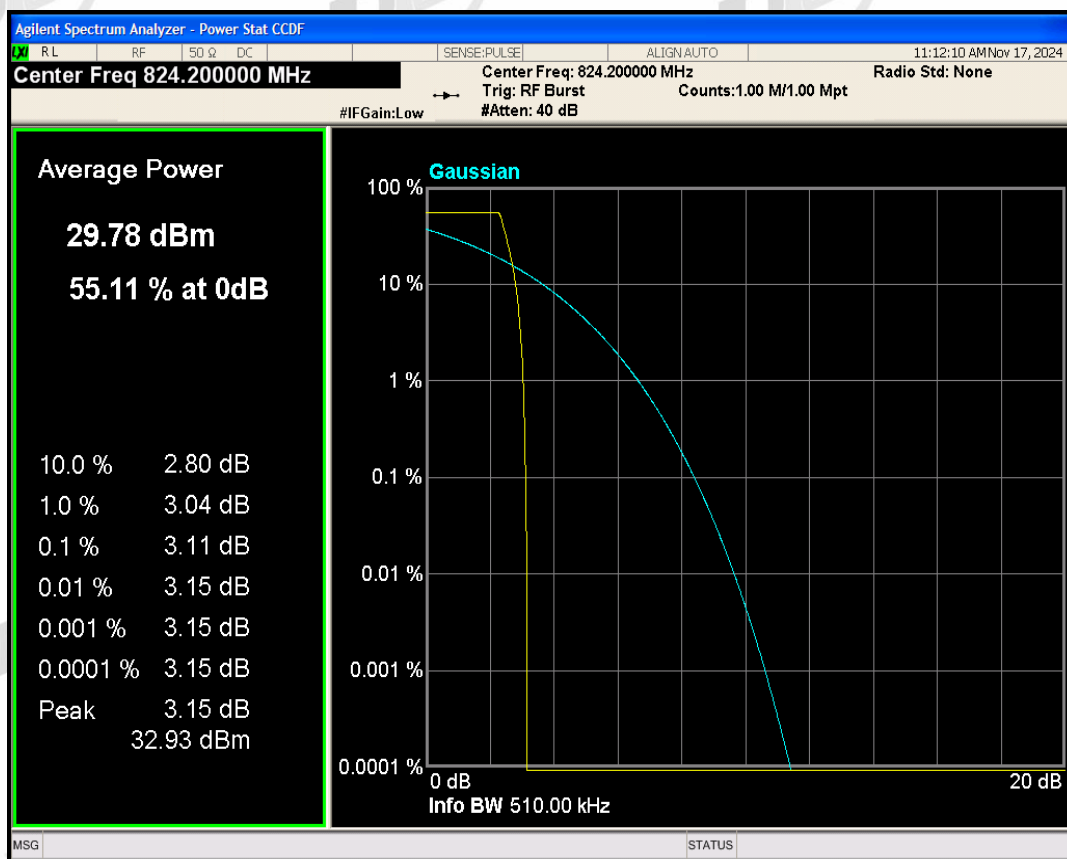
GPRS1900 Channel=661



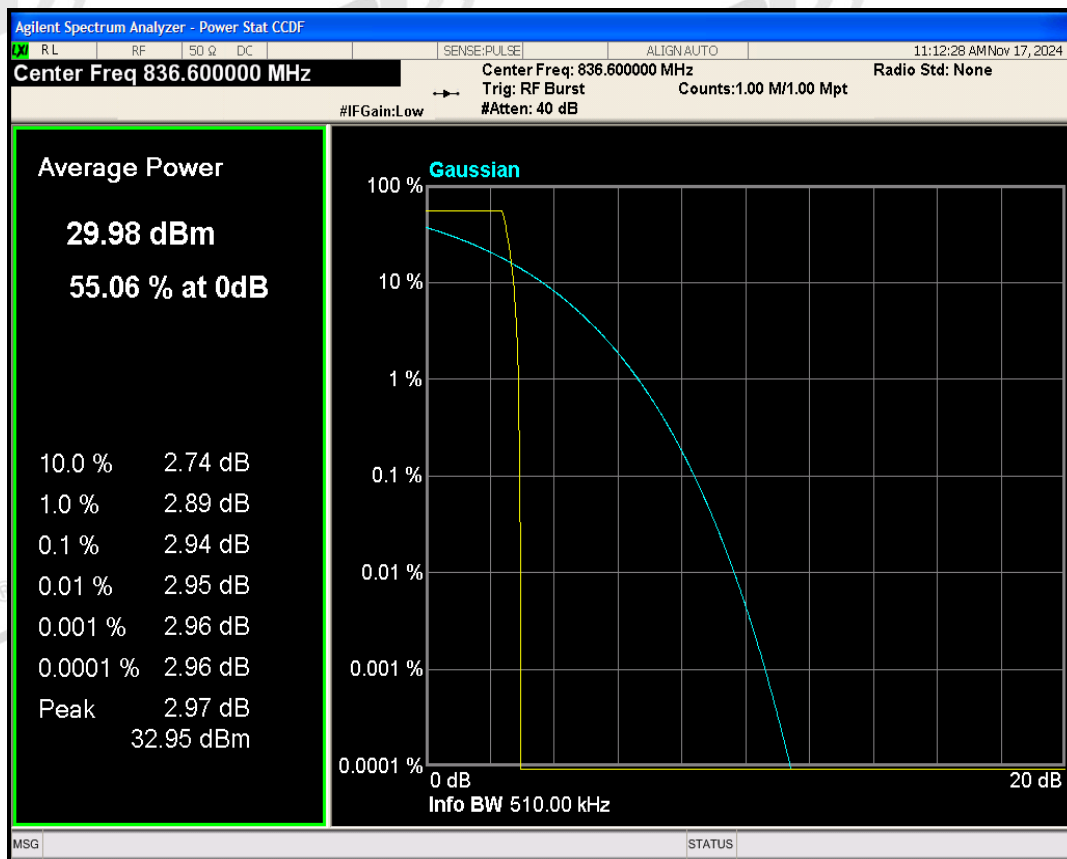
GPRS1900 Channel=810



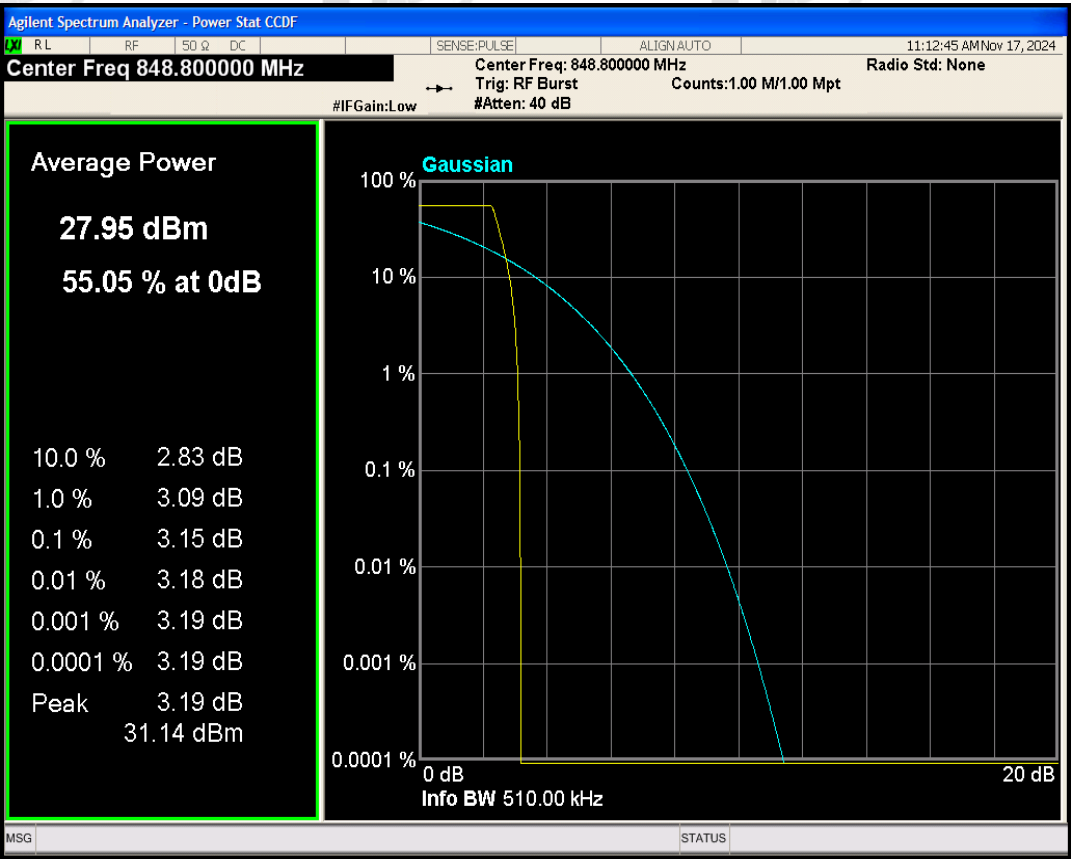
GPRS850 Channel=128



GPRS850 Channel=190



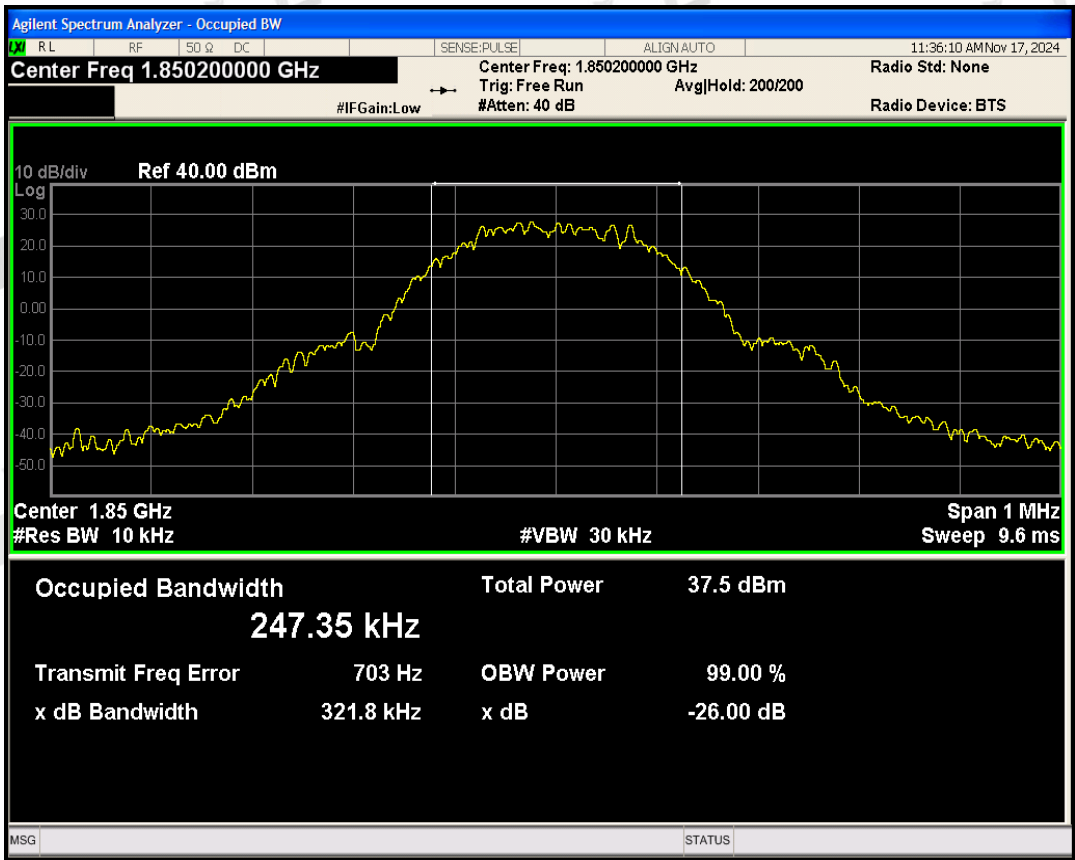
GPRS850 Channel=251



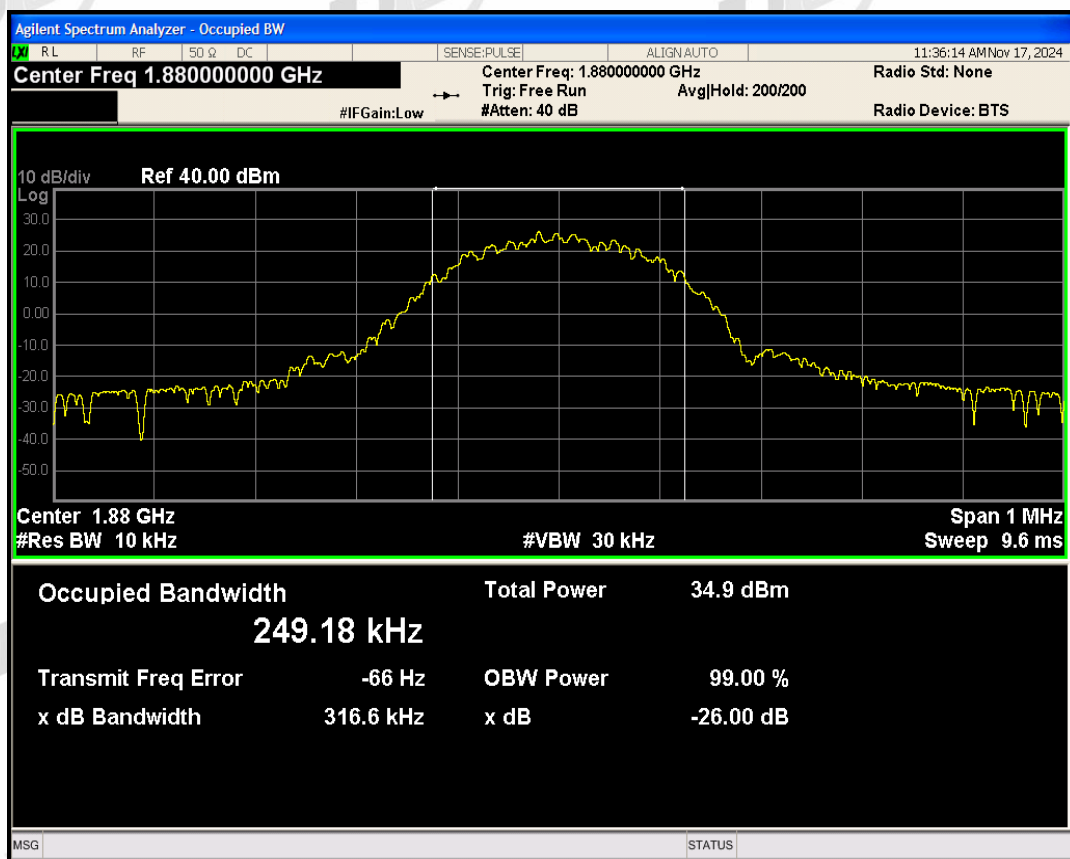
10 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS1900	512	1850.2	247.349	321.753	PASS
GPRS1900	661	1880	249.184	316.614	PASS
GPRS1900	810	1909.8	246.570	323.903	PASS
GPRS850	128	824.2	251.004	321.828	PASS
GPRS850	190	836.6	242.622	318.118	PASS
GPRS850	251	848.8	245.857	305.420	PASS

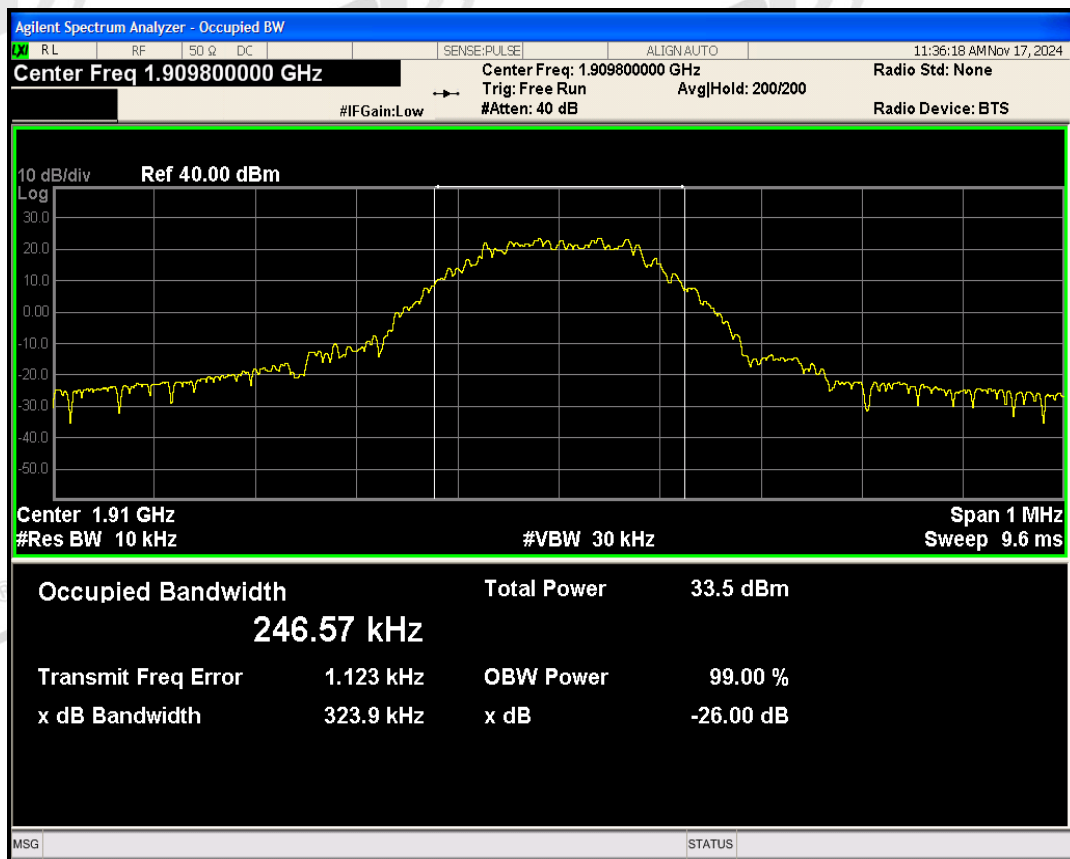
GPRS1900 Channel=512



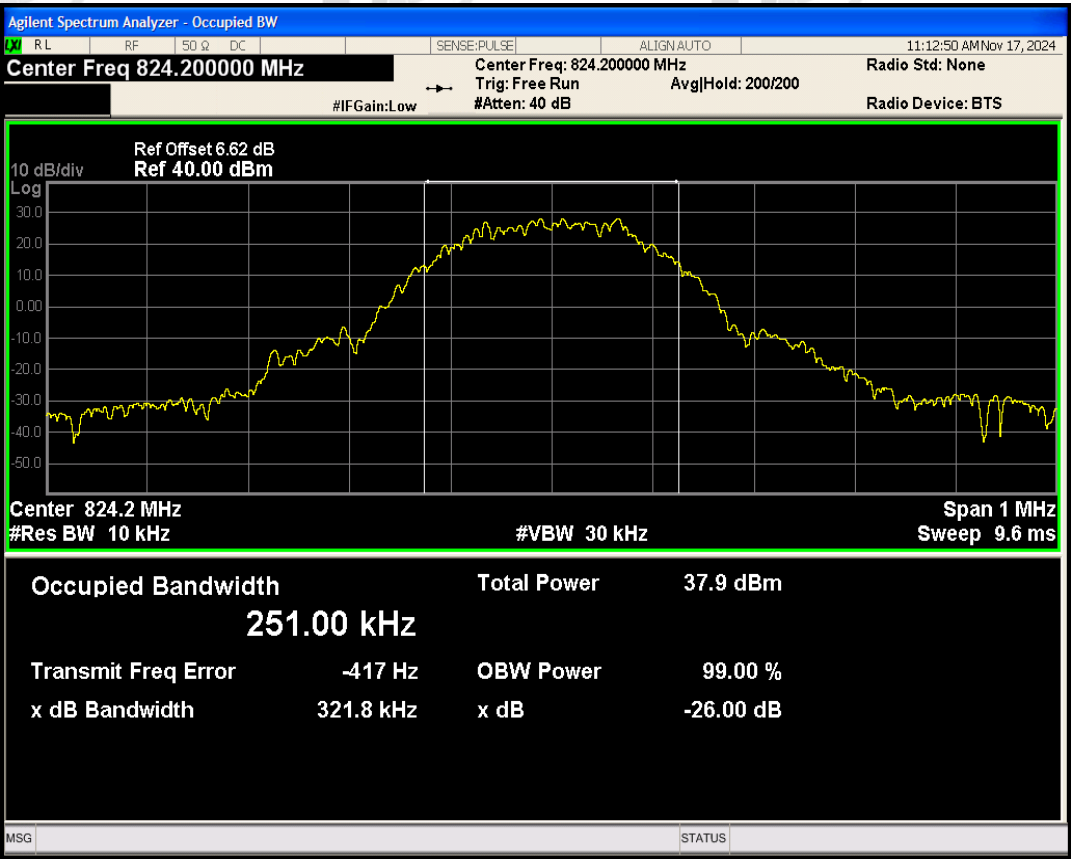
GPRS1900 Channel=661



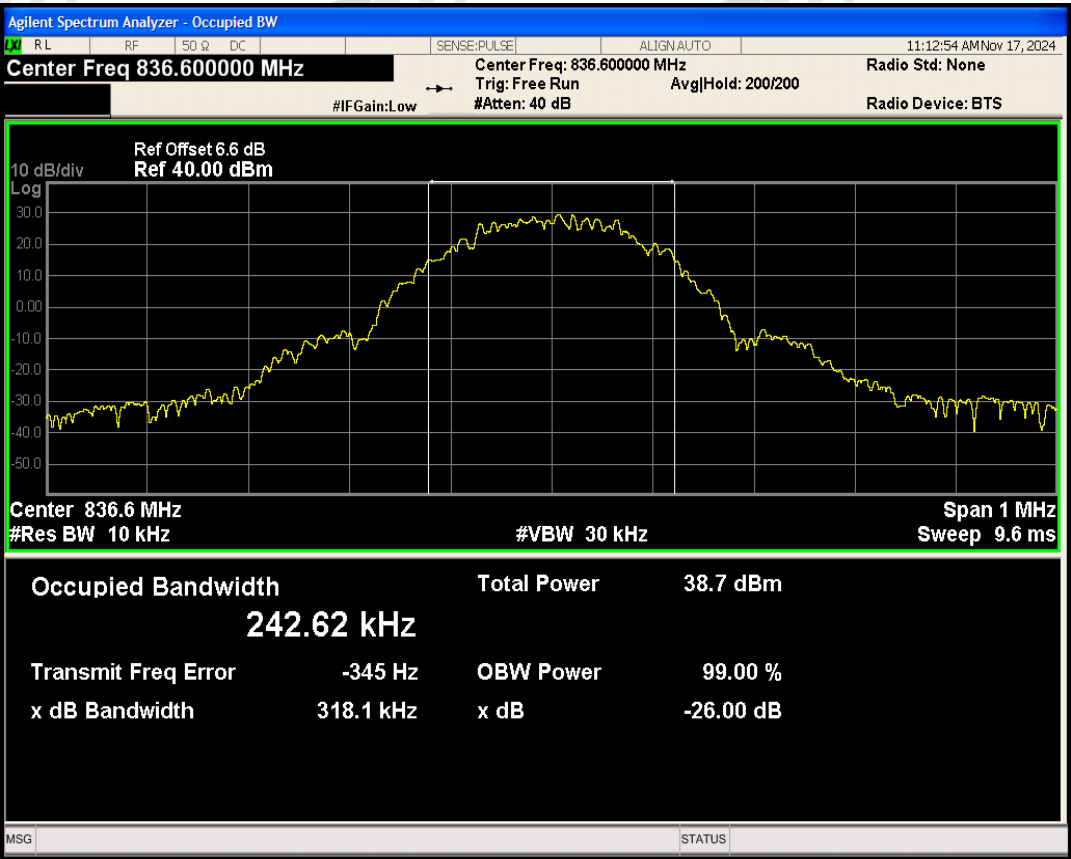
GPRS1900 Channel=810



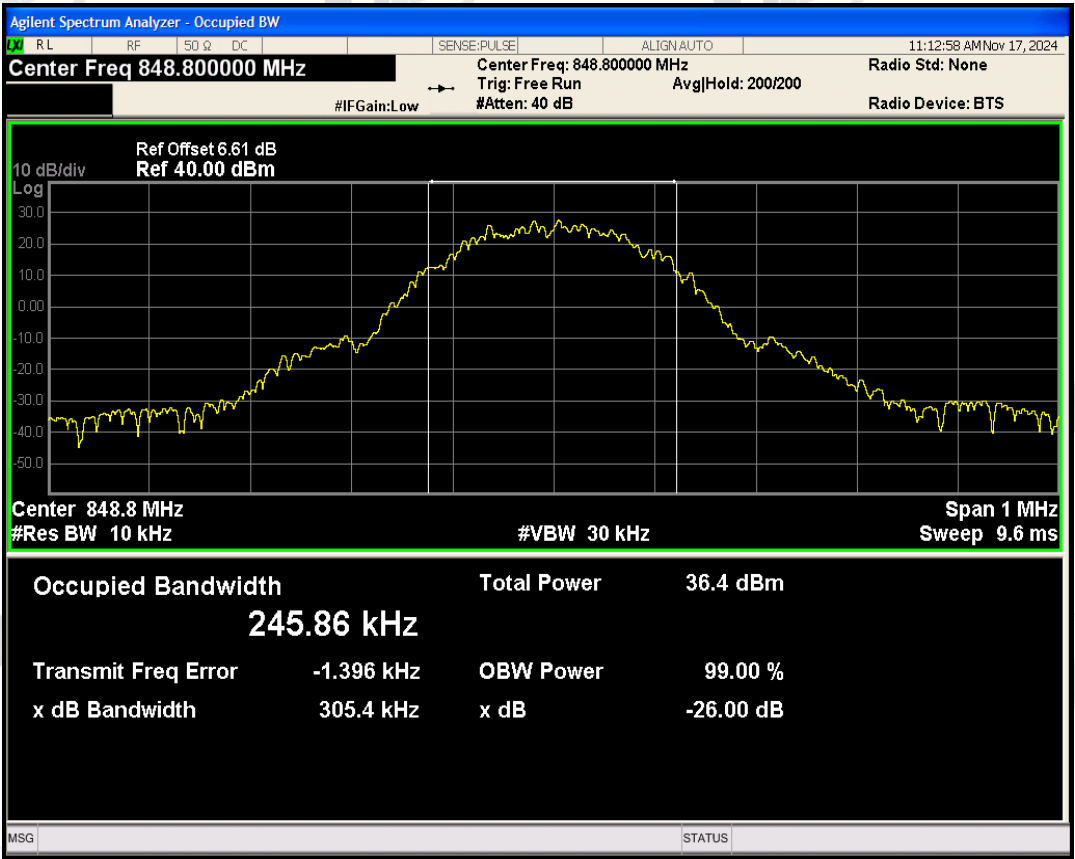
GPRS850 Channel=128



GPRS850 Channel=190



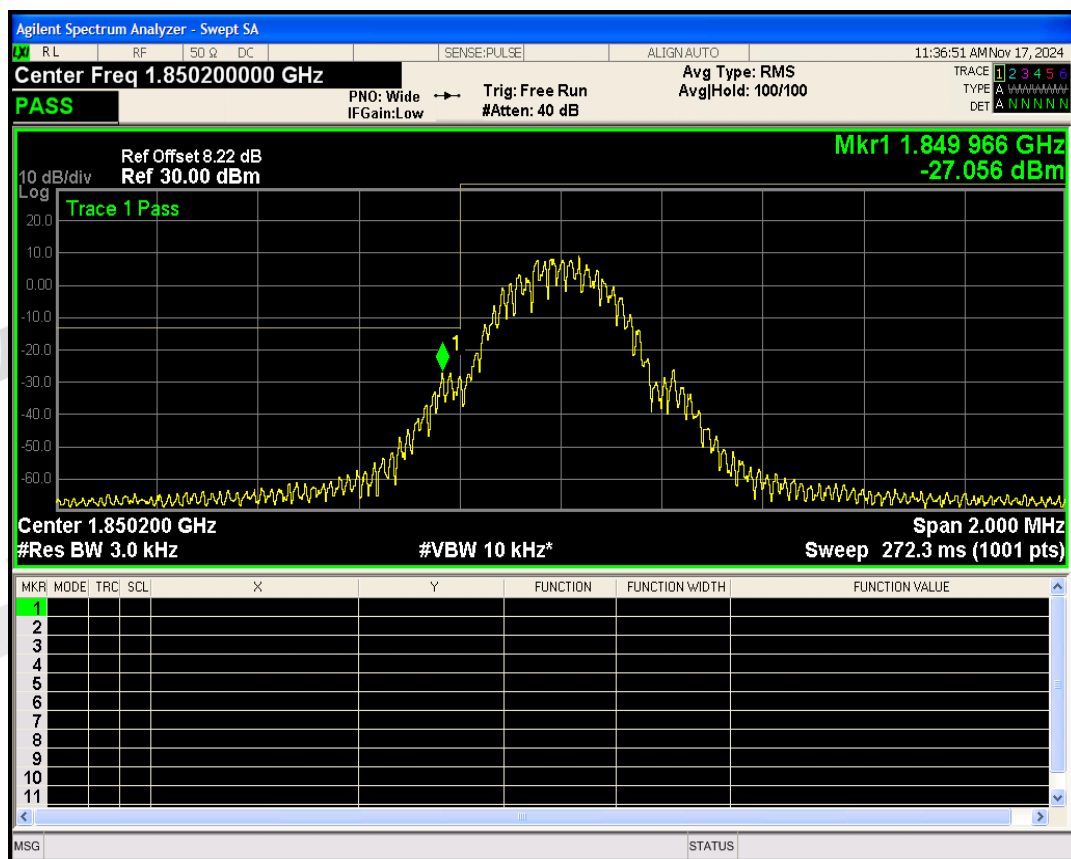
GPRS850 Channel=251



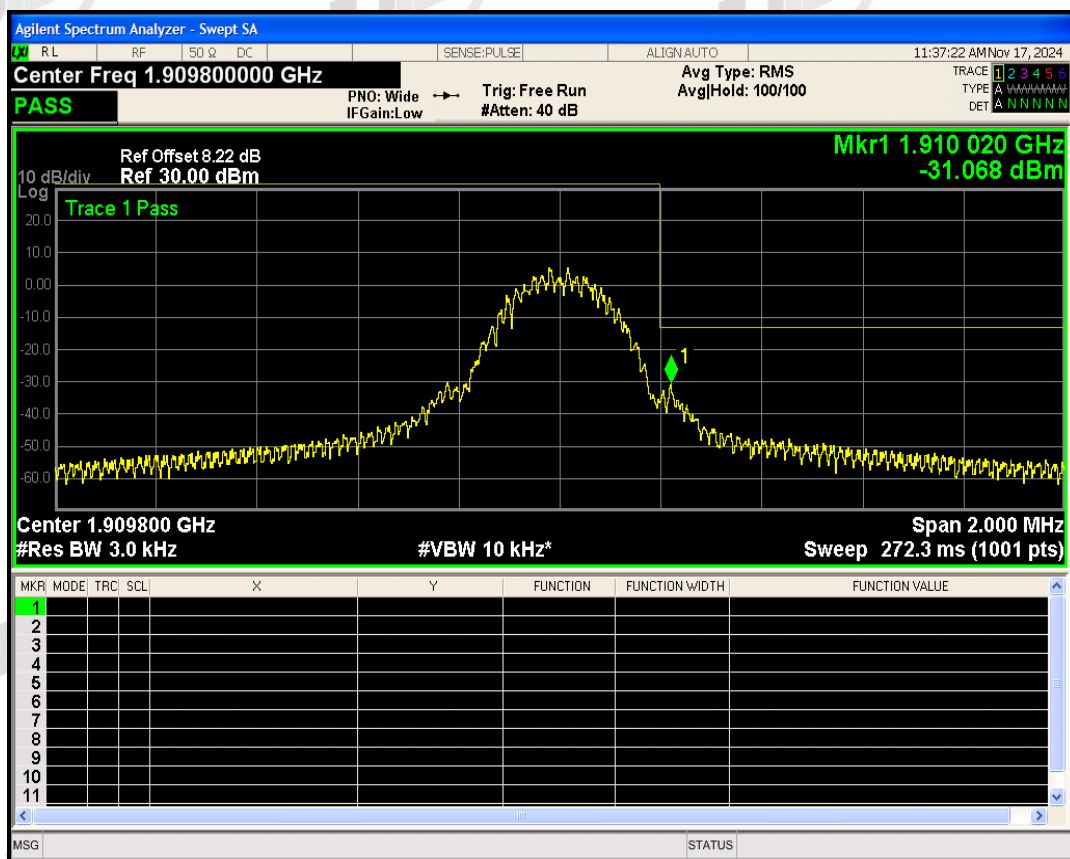
11 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1850.2	1849.97	-27.05	-13	PASS
GPRS1900	810	1909.8	1910.02	-31.06	-13	PASS
GPRS850	128	824.2	824.00	-27.47	-13	PASS
GPRS850	251	848.8	849.02	-30.67	-13	PASS

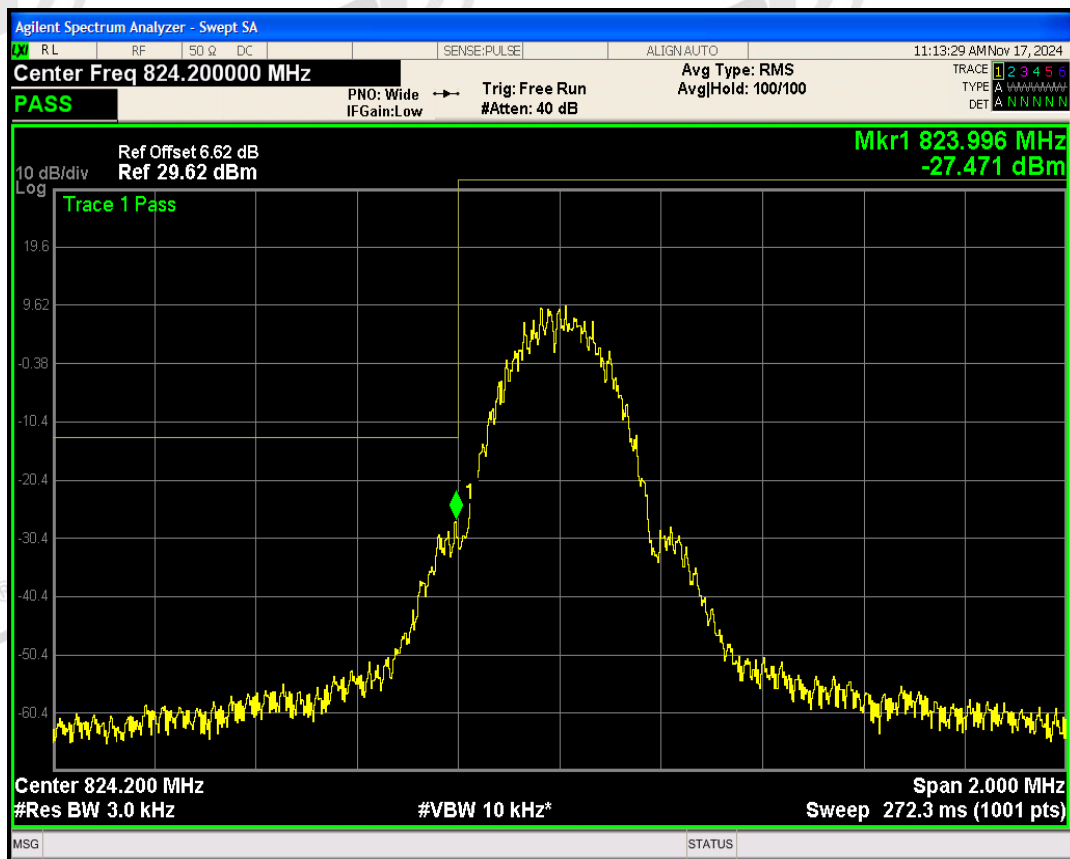
GPRS1900 Channel=512



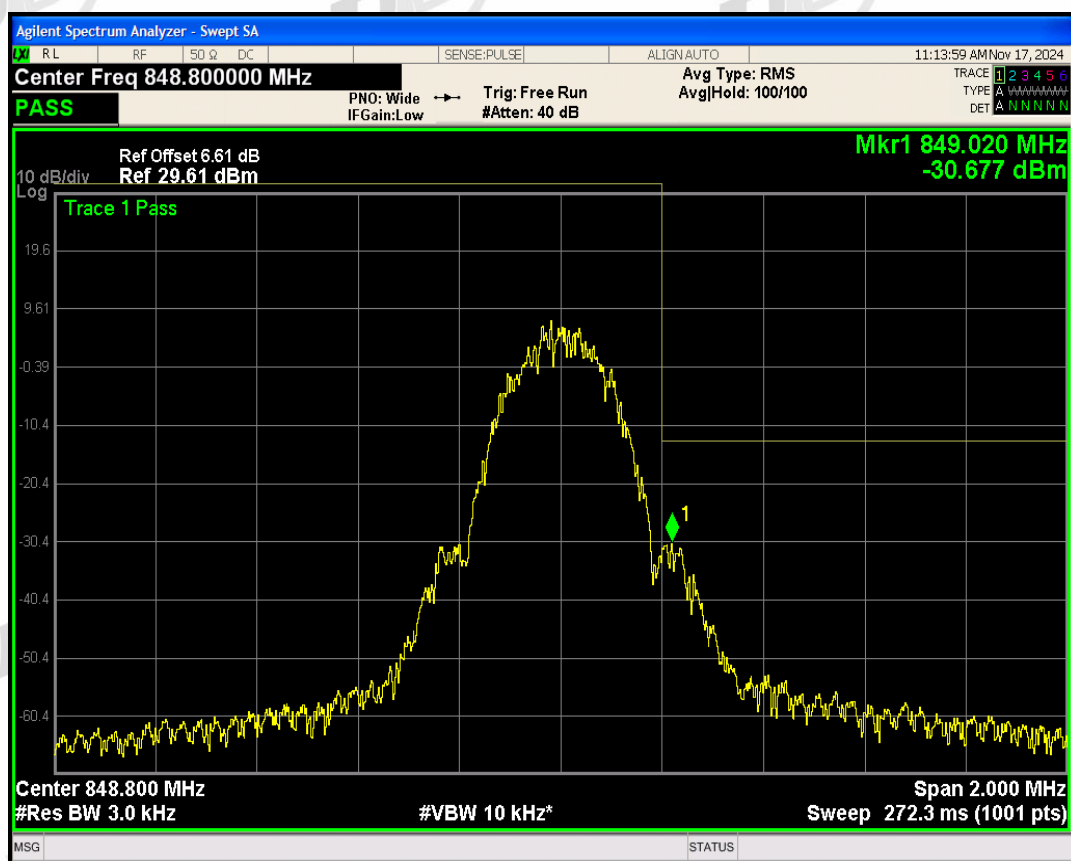
GPRS1900 Channel=810



GPRS850 Channel=128



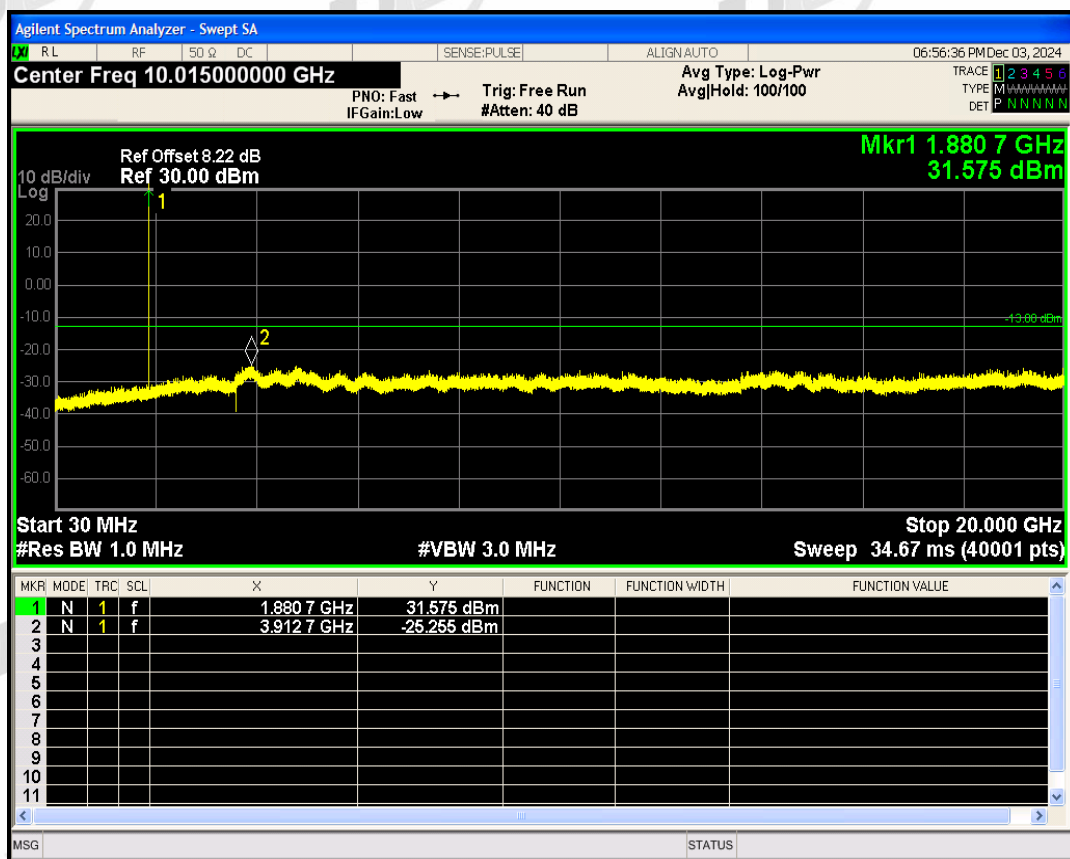
GPRS850 Channel=251



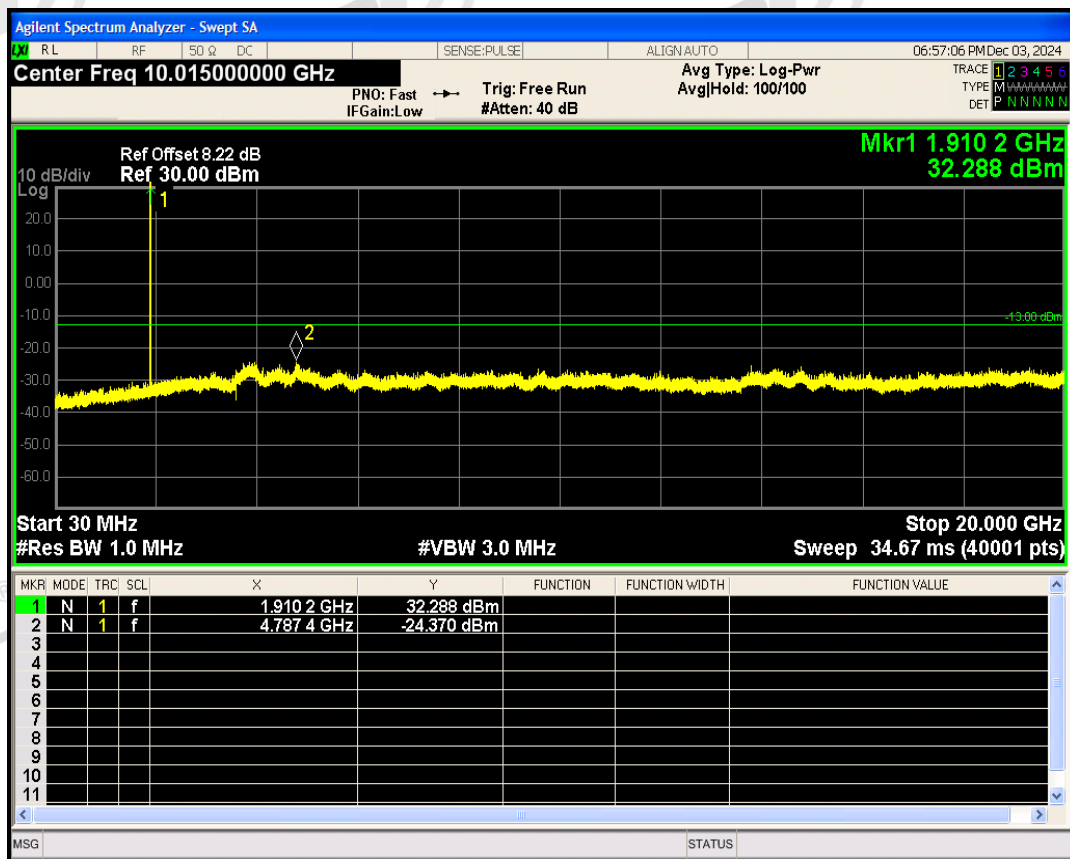
Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1850.2	4842.27	-23.77	-13	PASS
GPRS1900	661	1880	3912.67	-25.25	-13	PASS
GPRS1900	810	1909.8	4787.35	-24.36	-13	PASS
GPRS850	128	824.2	3929.77	-25.70	-13	PASS
GPRS850	190	836.6	3828.82	-26.04	-13	PASS
GPRS850	251	848.8	4801.39	-25.14	-13	PASS

[illegible]

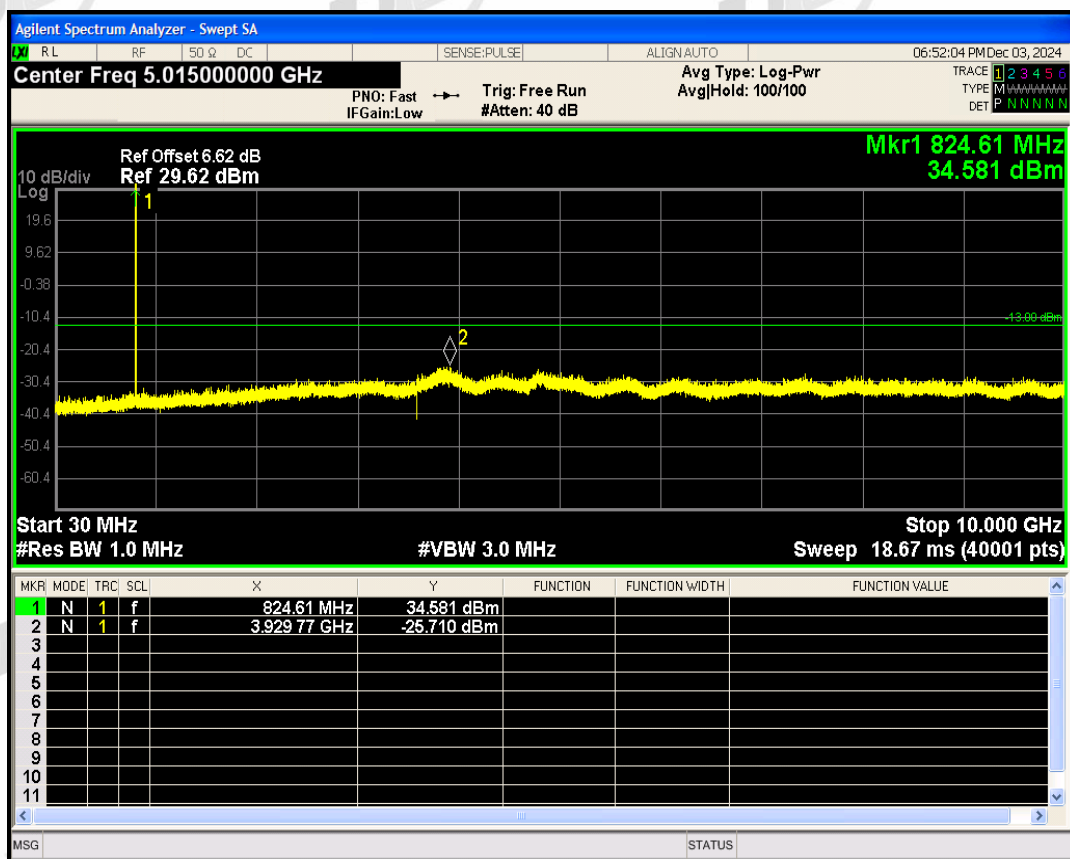
GPRS1900 Channel=661



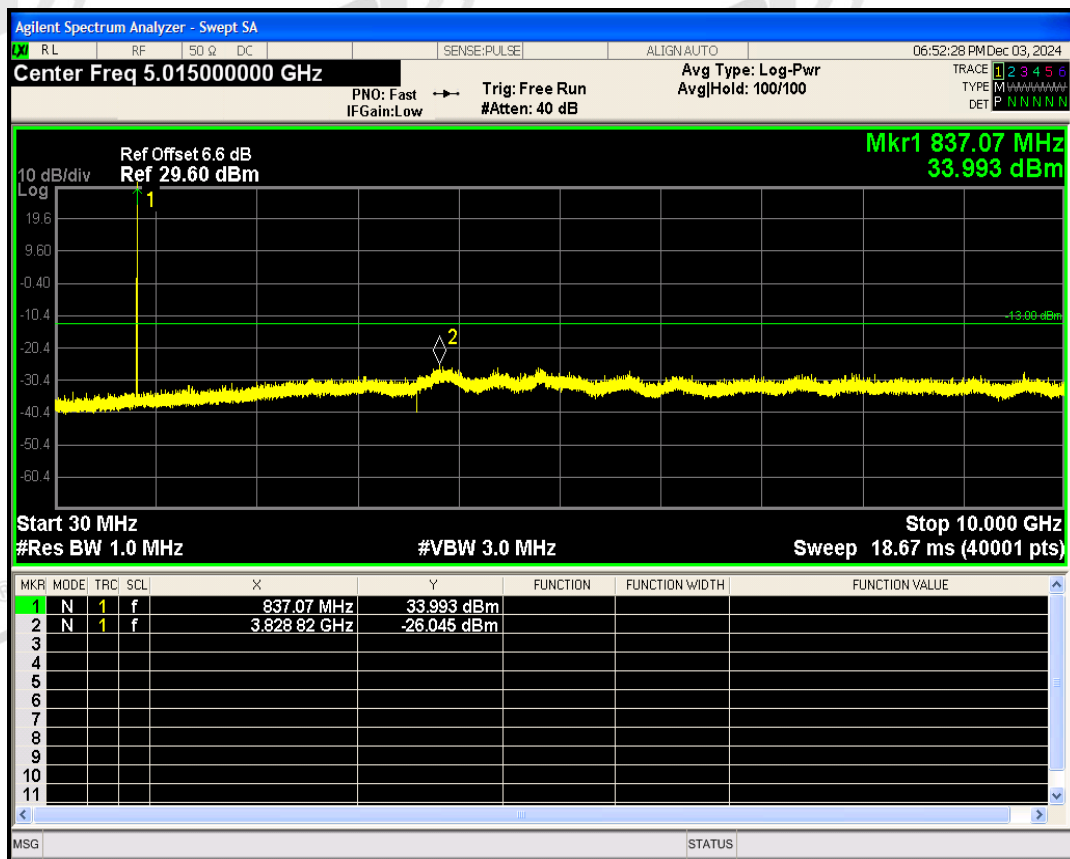
GPRS1900 Channel=810



GPRS850 Channel=128

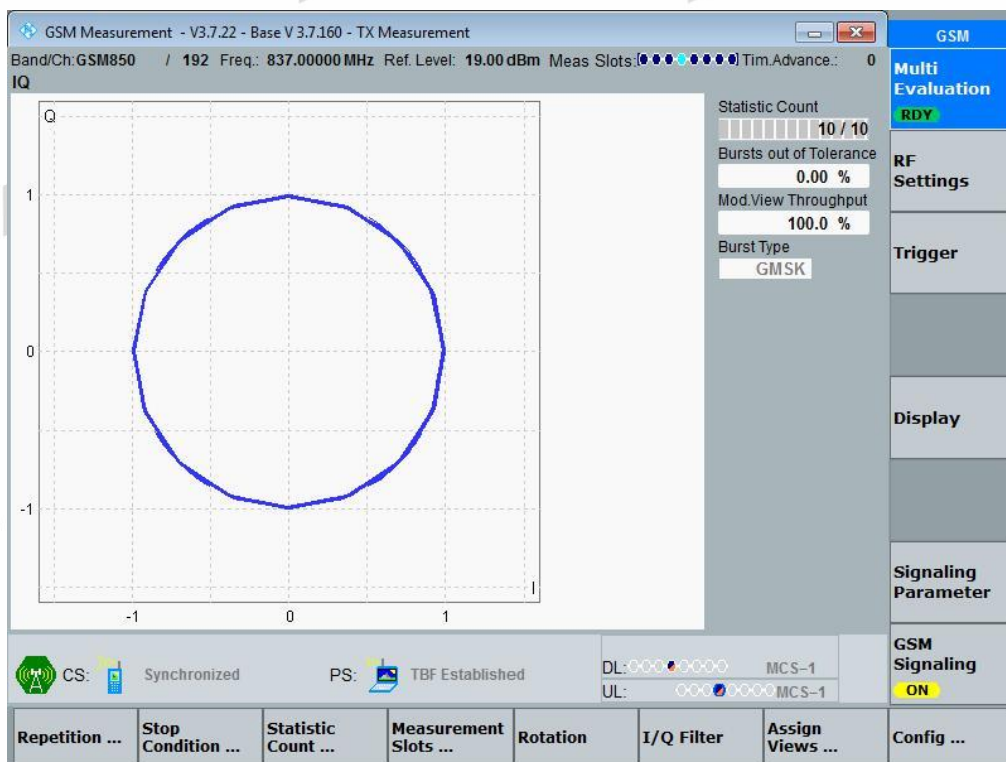


GPRS850 Channel=190

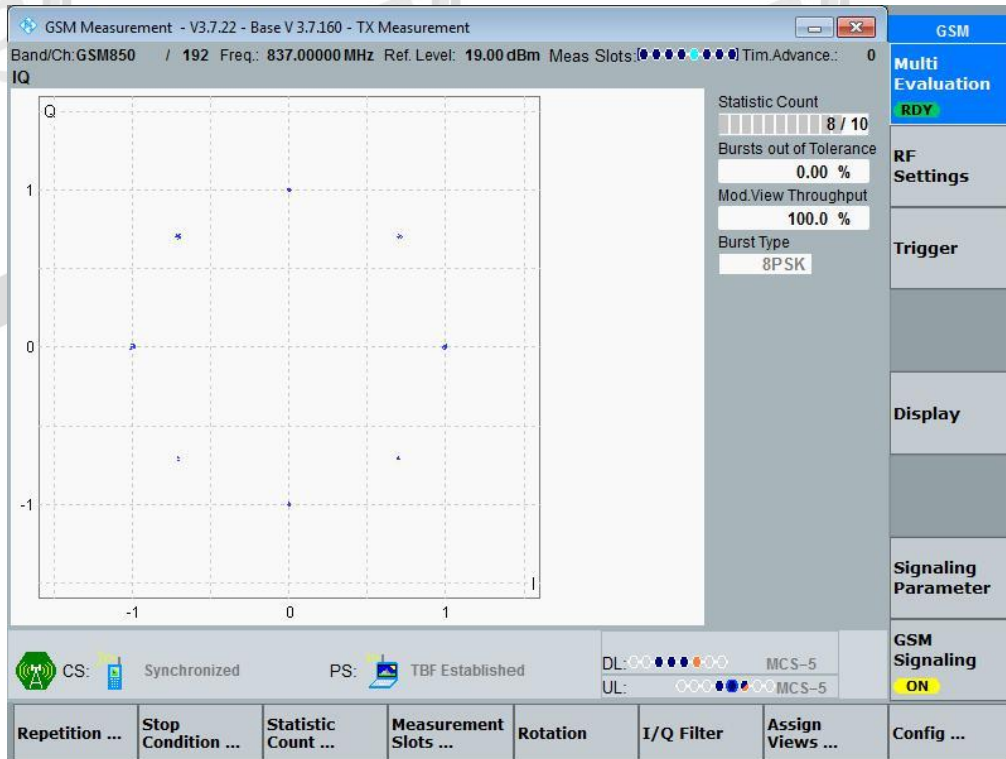


19 Modulation

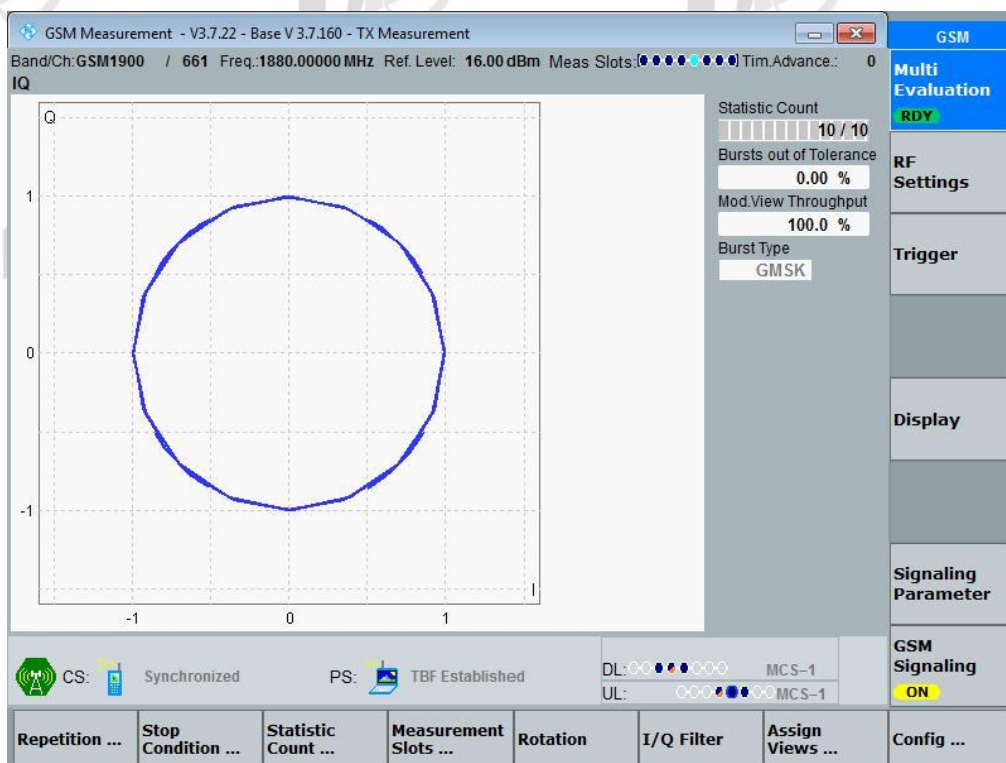
19.1 GSM 850 -GMSK



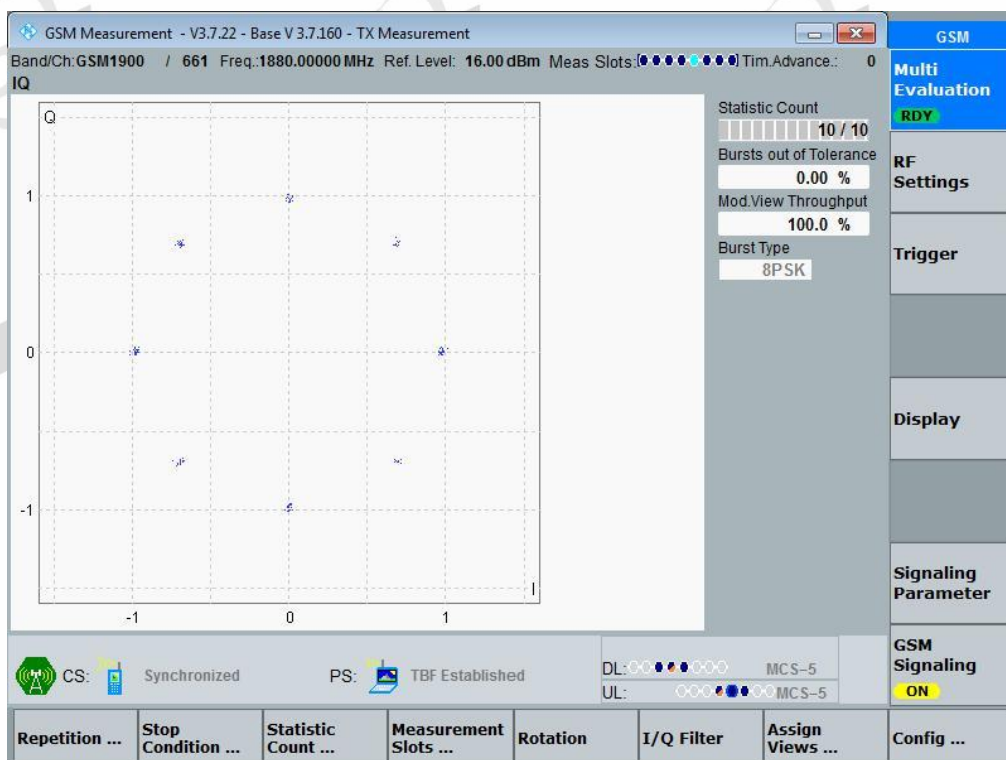
19.2 GSM 850 -8PSK



19.3 GSM 1900 -GMSK

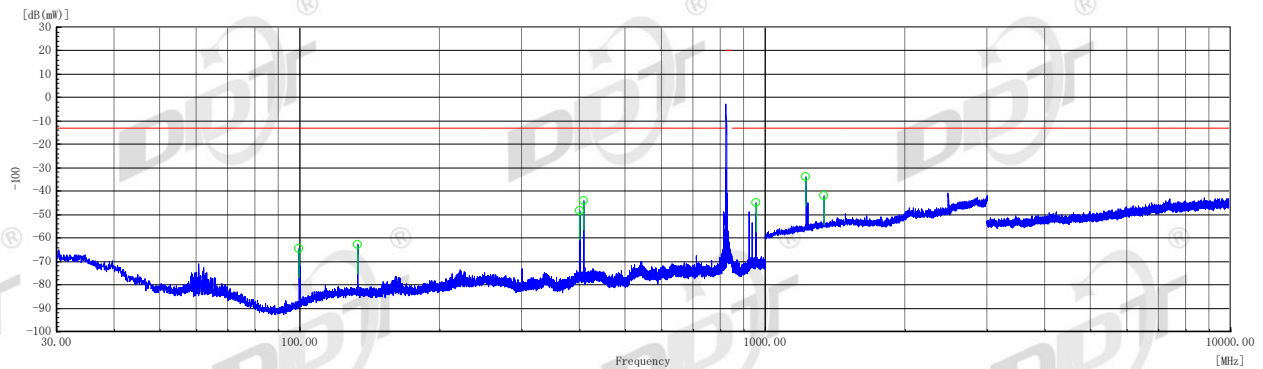


19.4 GSM 1900 -8PSK



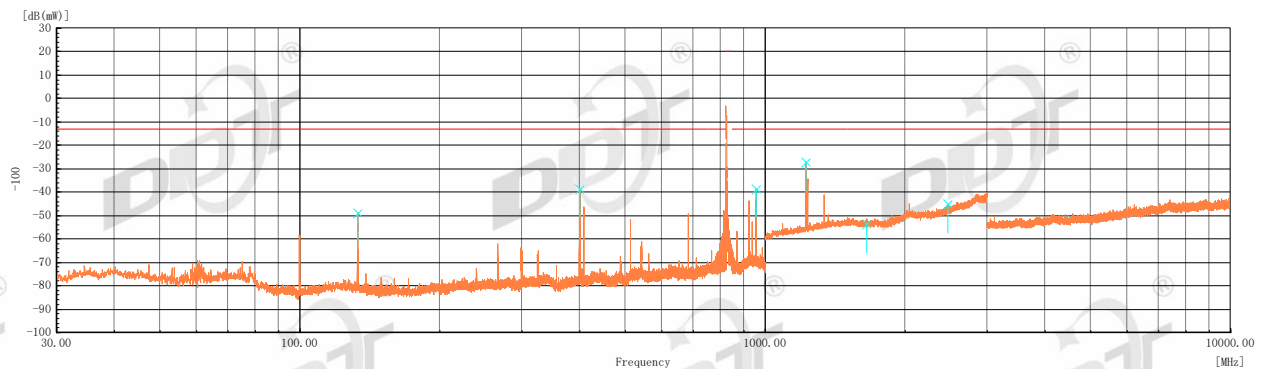
20. Radiated Power and Radiated Spurious Emissions

Test Mode1: GSM 850 L-channel (horizontal)



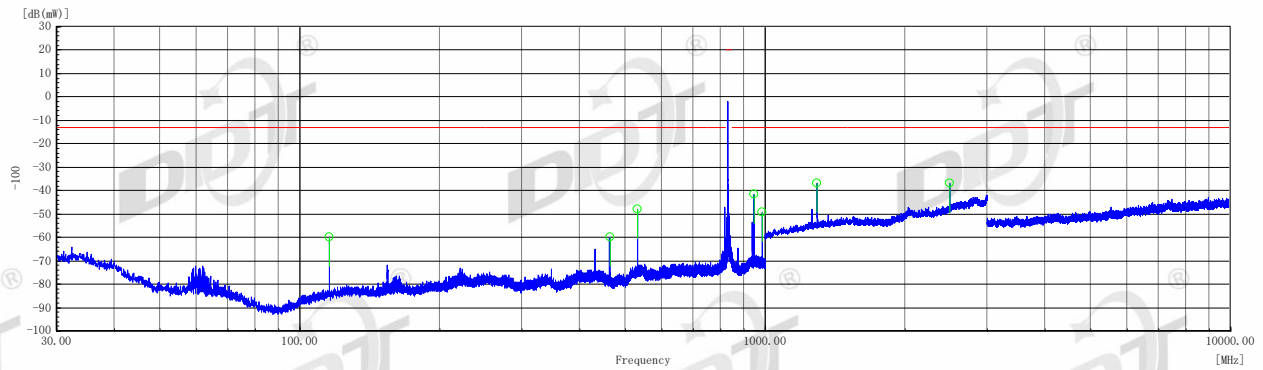
Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
99.65	H	30.5	-64.8	-13	51.8	115	180.6
133.1	H	32.3	-63	-13	50	138	225.2
408.05	H	51.2	-44.1	-13	31.1	121	225.2
399.85	H	46.9	-48.4	-13	35.4	150	269.7
957	H	50.5	-44.8	-13	31.8	151	269.7
1223.5	H	61.4	-33.9	-13	20.9	151	180.6
1336	H	53.3	-42	-13	29	162	225.2

Test Mode1: GSM 850 L-channel (vertical)



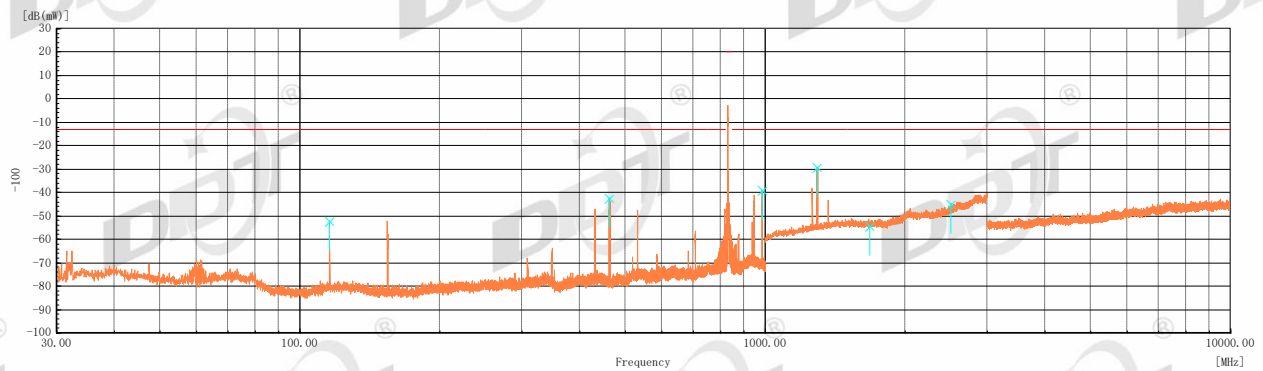
Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
133.3	V	46.6	-48.7	-13	35.7	105	269.7
398.55	V	56.8	-38.5	-13	25.5	105	0
956.95	V	56.7	-38.6	-13	25.6	115	179.4
1223	V	68.1	-27.2	-13	14.2	115	224.7
1648.5	V	41.8	-53.5	-13	40.5	135	89.6
2473	V	50.2	-45.1	-13	32.1	141	315.5

Test Mode1: GSM 850 M-channel (horizontal)



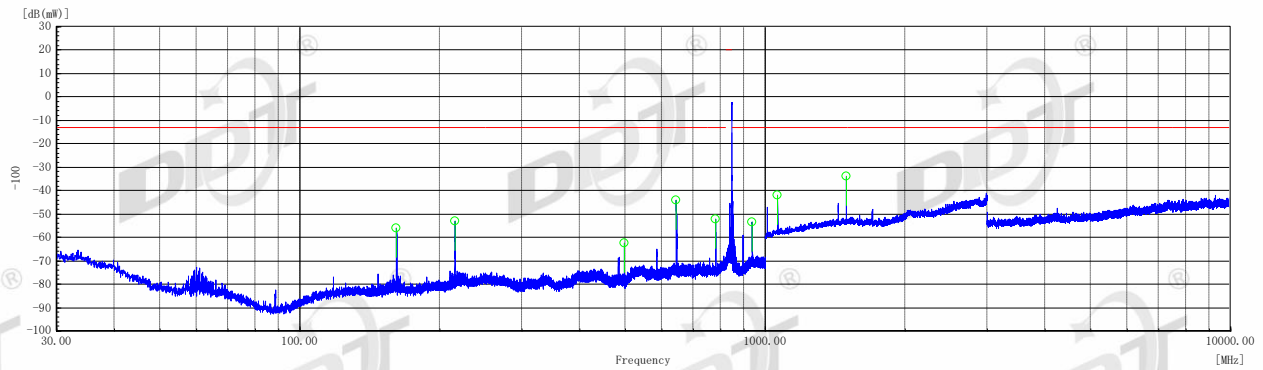
Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
115.65	H	35.6	-59.7	-13	46.7	115	180.6
463.05	H	35.3	-60	-13	47	115	225.5
531.3	H	47.1	-48.2	-13	35.2	120	270.1
946.15	H	53.8	-41.5	-13	28.5	150	225.5
985.1	H	45.9	-49.4	-13	36.4	150	225.5
1293.5	H	58.5	-36.8	-13	23.8	152	225.5
2492	H	58.5	-36.8	-13	23.8	162	225.5

Test Mode1: GSM 850 M-channel (vertical)



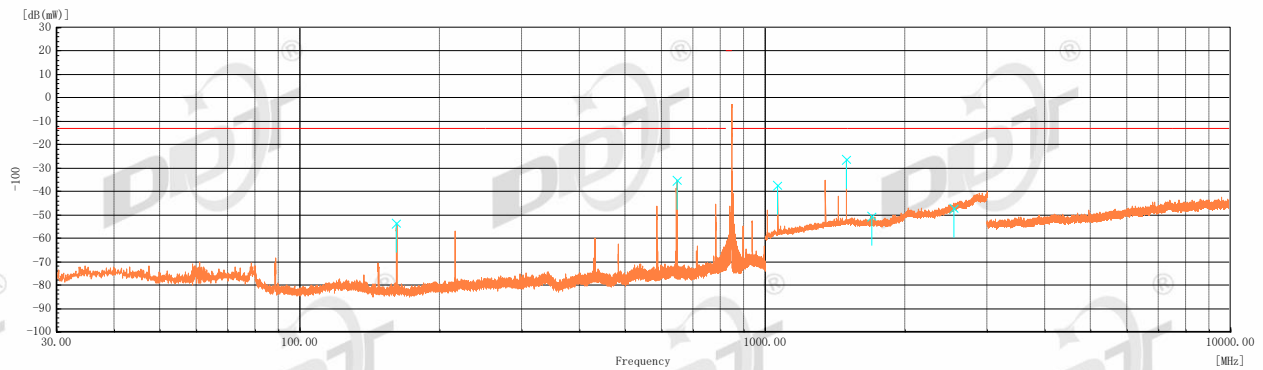
Frequency [MHz]	Pol	level (dbuv/m)	Leve l [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
115.65	V	43.1	-52.2	-13	39.2	130	134.5
462.55	V	52.7	-42.6	-13	29.6	135	44.8
985.3	V	56.4	-38.9	-13	25.9	144	224.7
1293	V	65.9	-29.4	-13	16.4	150	134.5
1673	V	41.0	-54.3	-13	41.3	152	0.2
2509.5	V	50.1	-45.2	-13	32.2	160	315

Test Mode1: GSM 850 H-channel (horizontal)



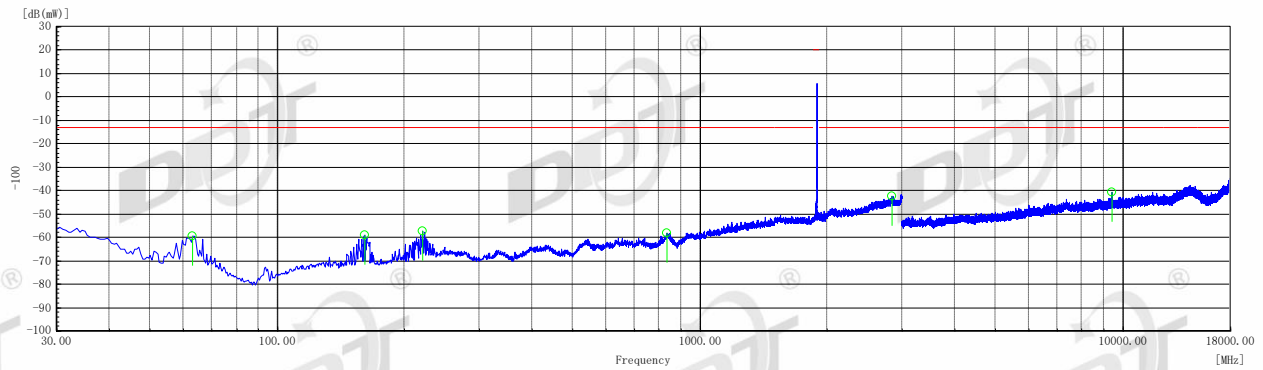
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
161.45	H	39.2	-56.1	-13	43.1	102	270
215.3	H	42.2	-53.1	-13	40.1	105	225
498.2	H	32.7	-62.6	-13	49.6	113	270
644.55	H	51.3	-44	-13	31	128	270
780.65	H	42.8	-52.5	-13	39.5	134	225
939.1	H	41.8	-53.5	-13	40.5	140	135.1
1064	H	53.2	-42.1	-13	29.1	158	225
1493.5	H	61.2	-34.1	-13	21.1	160	225

Test Mode1: GSM 850 H-channel (vertical)



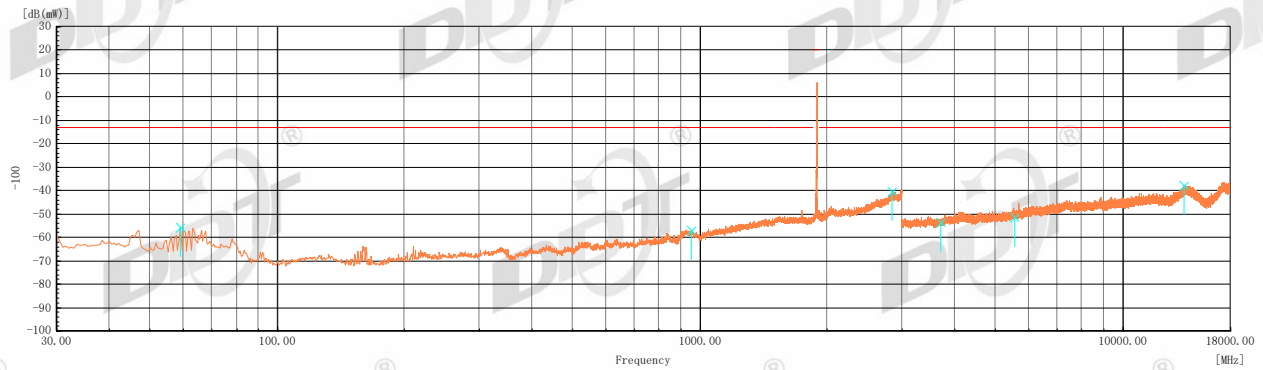
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
161.45	V	41.9	-53.4	-13	40.4	109	314.9
645.9	V	60.3	-35	-13	22	113	179.6
1063.5	V	57.9	-37.4	-13	24.4	125	134.7
1494	V	69.0	-26.3	-13	13.3	130	179.6
1697.5	V	44.9	-50.4	-13	37.4	142	224.2
2546.5	V	48.3	-47	-13	34	145	269.6

Test Mode2: GSM 1900 L-channel (horizontal)



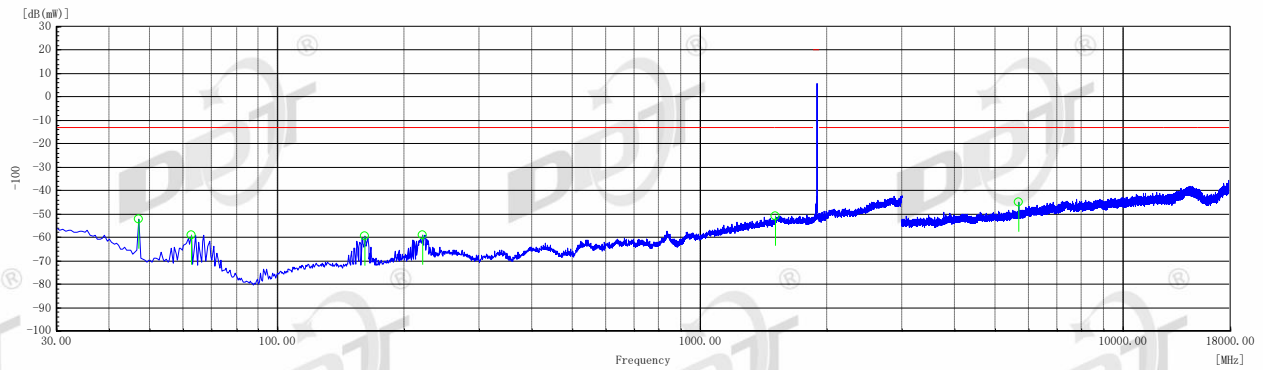
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
63	H	35.9	-59.4	-13	46.4	113	315.3
160.5	H	36.1	-59.2	-13	46.2	119	0.1
220.5	H	37.8	-57.5	-13	44.5	121	135.9
833	H	37.1	-58.2	-13	45.2	125	45.3
2847	H	52.9	-42.4	-13	29.4	130	45.3
9437	H	54.5	-40.8	-13	27.8	145	225.8

Test Mode2: GSM 1900 L-channel (vertical)



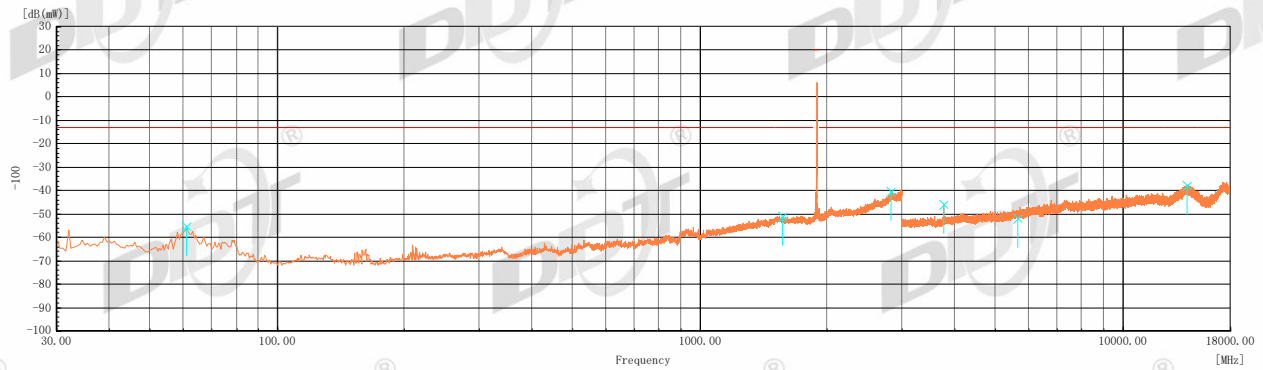
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
59	V	39.7	-55.6	-13	42.6	105	180
950.5	V	38.3	-57	-13	44	105	359.9
2851	V	54.8	-40.5	-13	27.5	105	270
3700.5	V	41.6	-53.7	-13	40.7	113	225
5550.5	V	43.9	-51.4	-13	38.4	115	134.7
13965.5	V	57.6	-37.7	-13	24.7	115	180

Test Mode2: GSM 1900 M-channel (horizontal)



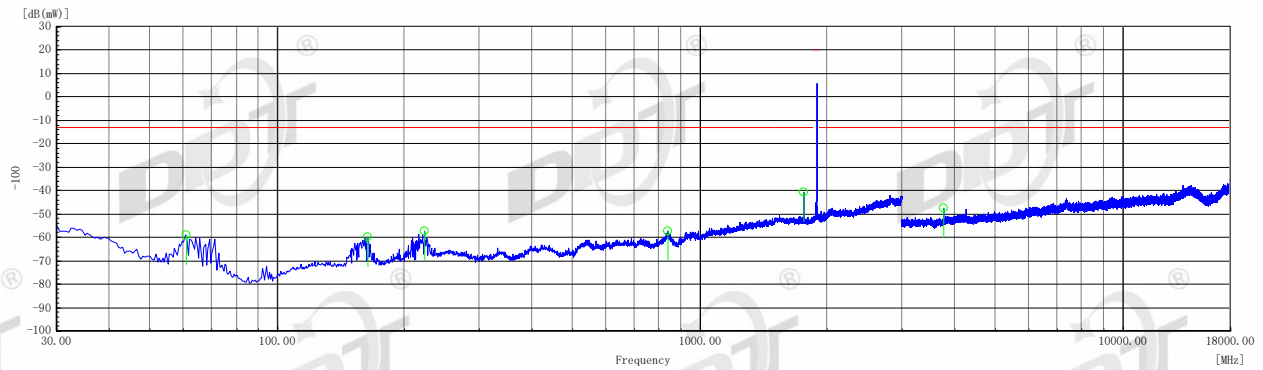
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
47	H	43.1	-52.2	-13	39.2	106	45.4
62.5	H	36.3	-59	-13	46	110	270.4
161	H	36.0	-59.3	-13	46.3	110	0.1
220	H	36.4	-58.9	-13	45.9	131	315.3
1503.5	H	44.4	-50.9	-13	37.9	126	0.1
5662.5	H	50.2	-45.1	-13	32.1	136	0.1

Test Mode2: GSM 1900 M-channel (vertical)



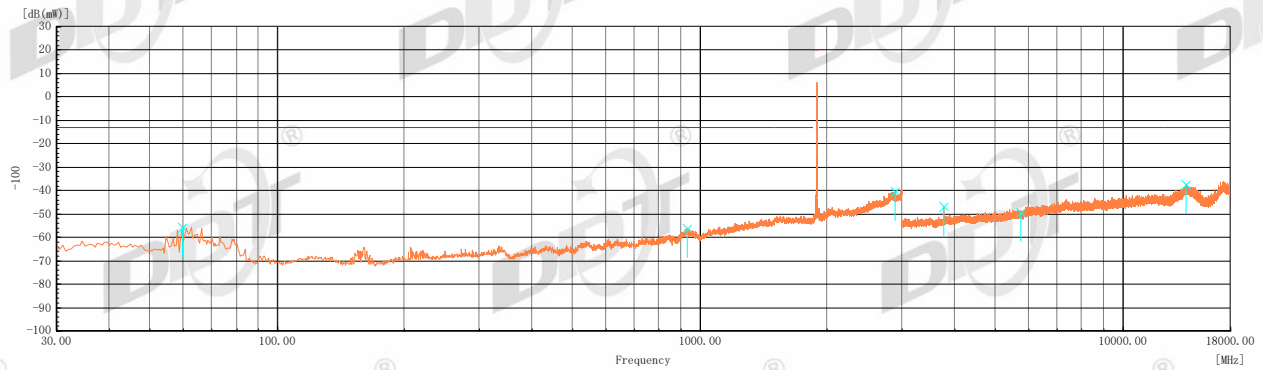
Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
61	V	39.9	-55.4	-13	42.4	125	315.3
1564.5	V	44.5	-50.8	-13	37.8	130	269.6
2835.5	V	54.8	-40.5	-13	27.5	145	0.1
3774.5	V	49.5	-45.8	-13	32.8	151	225
5640	V	43.5	-51.8	-13	38.8	153	89.4
14164.5	V	57.5	-37.8	-13	24.8	153	315.3

Test Mode2: GSM 1900 H-channel (horizontal)



Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
61	H	36.4	-58.9	-13	45.9	104	315.6
163.5	H	35.4	-59.9	-13	46.9	104	359.9
222.5	H	37.9	-57.4	-13	44.4	156	135.4
840	H	38.0	-57.3	-13	44.3	144	135.4
1758	H	54.4	-40.9	-13	27.9	130	180.4
3774.5	H	47.9	-47.4	-13	34.4	168	225.8

Test Mode2: GSM 1900 H-channel (vertical)



Frequency [MHz]	Pol	level (dbuv/m)	Level [dB(mW)]	Limit [dB(mW)]	Margin [dB]	Height [cm]	Azimuth [°]
59.5	V	39.7	-55.6	-13	42.6	110	180
931	V	39.1	-56.2	-13	43.2	131	315.6
2897	V	54.9	-40.4	-13	27.4	126	315.6
3775	V	48.8	-46.5	-13	33.5	136	269.9
5728.5	V	46.0	-49.3	-13	36.3	150	269.9
14124.5	V	57.8	-37.5	-13	24.5	151	135.1