



Report

Contents

Conducted output power	2
Frequency stability	4
Peak-to-Average Ratio	5
Occupied bandwidth	12
Band edge	19
Out-of-band emissions	24



Report

Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	ERP (dBm)	ERP Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
GSM850	128	824.2	33.50	-2.43	28.92	38.45	31.07	38.45	PASS
GSM850	190	836.6	33.39	-2.43	28.81	38.45	30.96	38.45	PASS
GSM850	251	848.8	33.85	-2.43	29.27	38.45	31.42	38.45	PASS
GPRS850 1 Slot	128	824.2	33.48	-2.43	28.90	38.45	31.05	38.45	PASS
GPRS850 1 Slot	190	836.6	33.38	-2.43	28.80	38.45	30.95	38.45	PASS
GPRS850 1 Slot	251	848.8	33.81	-2.43	29.23	38.45	31.38	38.45	PASS
GPRS850 2 Slot	128	824.2	31.50	-2.43	26.92	38.45	29.07	38.45	PASS
GPRS850 2 Slot	190	836.6	31.39	-2.43	26.81	38.45	28.96	38.45	PASS
GPRS850 2 Slot	251	848.8	31.84	-2.43	27.26	38.45	29.41	38.45	PASS
GPRS850 3 Slot	128	824.2	29.65	-2.43	25.07	38.45	27.22	38.45	PASS
GPRS850 3 Slot	190	836.6	29.57	-2.43	24.99	38.45	27.14	38.45	PASS
GPRS850 3 Slot	251	848.8	29.98	-2.43	25.40	38.45	27.55	38.45	PASS
GPRS850 4 Slot	128	824.2	27.54	-2.43	22.96	38.45	25.11	38.45	PASS
GPRS850 4 Slot	190	836.6	27.44	-2.43	22.86	38.45	25.01	38.45	PASS
GPRS850 4 Slot	251	848.8	27.85	-2.43	23.27	38.45	25.42	38.45	PASS
EGPRS850 1 Slot	128	824.2	26.75	-2.43	22.17	38.45	24.32	38.45	PASS
EGPRS850 1 Slot	190	836.6	26.27	-2.43	21.69	38.45	23.84	38.45	PASS
EGPRS850 1 Slot	251	848.8	25.68	-2.43	21.10	38.45	23.25	38.45	PASS
EGPRS850 2 Slot	128	824.2	25.56	-2.43	20.98	38.45	23.13	38.45	PASS
EGPRS850 2 Slot	190	836.6	25.46	-2.43	20.88	38.45	23.03	38.45	PASS
EGPRS850 2 Slot	251	848.8	25.07	-2.43	20.49	38.45	22.64	38.45	PASS
EGPRS850 3 Slot	128	824.2	23.28	-2.43	18.70	38.45	20.85	38.45	PASS
EGPRS850 3 Slot	190	836.6	22.51	-2.43	17.93	38.45	20.08	38.45	PASS
EGPRS850 3 Slot	251	848.8	22.51	-2.43	17.93	38.45	20.08	38.45	PASS
EGPRS850 4 Slot	128	824.2	21.09	-2.43	16.51	38.45	18.66	38.45	PASS
EGPRS850 4 Slot	190	836.6	20.71	-2.43	16.13	38.45	18.28	38.45	PASS
EGPRS850 4 Slot	251	848.8	20.04	-2.43	15.46	38.45	17.61	38.45	PASS
GSM1900	512	1850.2	30.10	-1.28	26.67	33.01	28.82	33.01	PASS
GSM1900	661	1880	30.48	-1.28	27.05	33.01	29.20	33.01	PASS
GSM1900	810	1909.8	30.59	-1.28	27.16	33.01	29.31	33.01	PASS
GPRS1900 1 Slot	512	1850.2	30.11	-1.28	26.68	33.01	28.83	33.01	PASS
GPRS1900 1 Slot	661	1880	30.47	-1.28	27.04	33.01	29.19	33.01	PASS
GPRS1900 1 Slot	810	1909.8	30.57	-1.28	27.14	33.01	29.29	33.01	PASS
GPRS1900 2 Slot	512	1850.2	28.29	-1.28	24.86	33.01	27.01	33.01	PASS
GPRS1900 2 Slot	661	1880	28.33	-1.28	24.90	33.01	27.05	33.01	PASS
GPRS1900 2 Slot	810	1909.8	28.01	-1.28	24.58	33.01	26.73	33.01	PASS
GPRS1900 3 Slot	512	1850.2	26.73	-1.28	23.30	33.01	25.45	33.01	PASS
GPRS1900 3 Slot	661	1880	26.78	-1.28	23.35	33.01	25.50	33.01	PASS
GPRS1900 3 Slot	810	1909.8	26.48	-1.28	23.05	33.01	25.20	33.01	PASS
GPRS1900 4 Slot	512	1850.2	24.70	-1.28	21.27	33.01	23.42	33.01	PASS



Report

GPRS1900 4 Slot	661	1880	24.80	-1.28	21.37	33.01	23.52	33.01	PASS
GPRS1900 4 Slot	810	1909.8	24.48	-1.28	21.05	33.01	23.20	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	27.07	-1.28	23.64	33.01	25.79	33.01	PASS
EGPRS1900 1 Slot	661	1880	27.08	-1.28	23.65	33.01	25.80	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	27.10	-1.28	23.67	33.01	25.82	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	24.89	-1.28	21.46	33.01	23.61	33.01	PASS
EGPRS1900 2 Slot	661	1880	24.95	-1.28	21.52	33.01	23.67	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	25.04	-1.28	21.61	33.01	23.76	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	22.18	-1.28	18.75	33.01	20.90	33.01	PASS
EGPRS1900 3 Slot	661	1880	22.95	-1.28	19.52	33.01	21.67	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	22.77	-1.28	19.34	33.01	21.49	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	20.14	-1.28	16.71	33.01	18.86	33.01	PASS
EGPRS1900 4 Slot	661	1880	20.33	-1.28	16.90	33.01	19.05	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	20.34	-1.28	16.91	33.01	19.06	33.01	PASS



Report

Frequency stability

Band	Channel	Frequency (MHz)	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
GSM850	128	824.2	-6.17	-0.007482	-2.5	2.5	PASS
GSM850	190	836.6	6.07	0.007255	-2.5	2.5	PASS
GSM850	251	848.8	-4.13	-0.004869	-2.5	2.5	PASS
GPRS850	128	824.2	-6.36	-0.007717	-2.5	2.5	PASS
GPRS850	190	836.6	3.55	0.004245	-2.5	2.5	PASS
GPRS850	251	848.8	2.10	0.002472	-2.5	2.5	PASS
EGPRS850	128	824.2	-10.07	-0.012222	-2.5	2.5	PASS
EGPRS850	190	836.6	3.03	0.003628	-2.5	2.5	PASS
EGPRS850	251	848.8	10.94	0.012895	-2.5	2.5	PASS
GSM1900	512	1850.2	-13.62	-0.007364	-2.5	2.5	PASS
GSM1900	661	1880	-16.21	-0.008621	-2.5	2.5	PASS
GSM1900	810	1909.8	-16.85	-0.008825	-2.5	2.5	PASS
GPRS1900	512	1850.2	-3.03	-0.001640	-2.5	2.5	PASS
GPRS1900	661	1880	-4.78	-0.002542	-2.5	2.5	PASS
GPRS1900	810	1909.8	1.74	0.000913	-2.5	2.5	PASS
EGPRS1900	512	1850.2	-14.08	-0.007608	-2.5	2.5	PASS
EGPRS1900	661	1880	-2.42	-0.001288	-2.5	2.5	PASS
EGPRS1900	810	1909.8	-5.42	-0.002840	-2.5	2.5	PASS

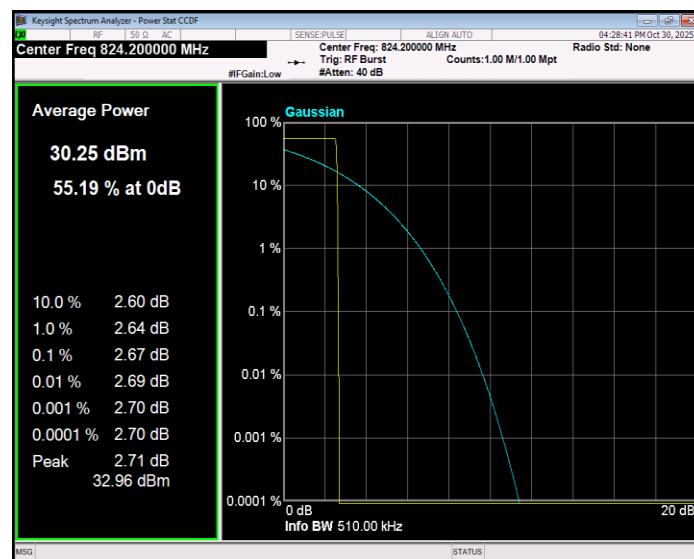


Report

Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM850	128	824.2	2.67	13	PASS
GSM850	190	836.6	2.67	13	PASS
GSM850	251	848.8	2.69	13	PASS
GPRS850	128	824.2	2.71	13	PASS
GPRS850	190	836.6	2.71	13	PASS
GPRS850	251	848.8	2.73	13	PASS
EGPRS850	128	824.2	10.28	13	PASS
EGPRS850	190	836.6	8.84	13	PASS
EGPRS850	251	848.8	10.80	13	PASS
GSM1900	512	1850.2	2.67	13	PASS
GSM1900	661	1880	2.66	13	PASS
GSM1900	810	1909.8	2.67	13	PASS
GPRS1900	512	1850.2	2.71	13	PASS
GPRS1900	661	1880	2.70	13	PASS
GPRS1900	810	1909.8	2.70	13	PASS
EGPRS1900	512	1850.2	5.82	13	PASS
EGPRS1900	661	1880	5.68	13	PASS
EGPRS1900	810	1909.8	5.65	13	PASS

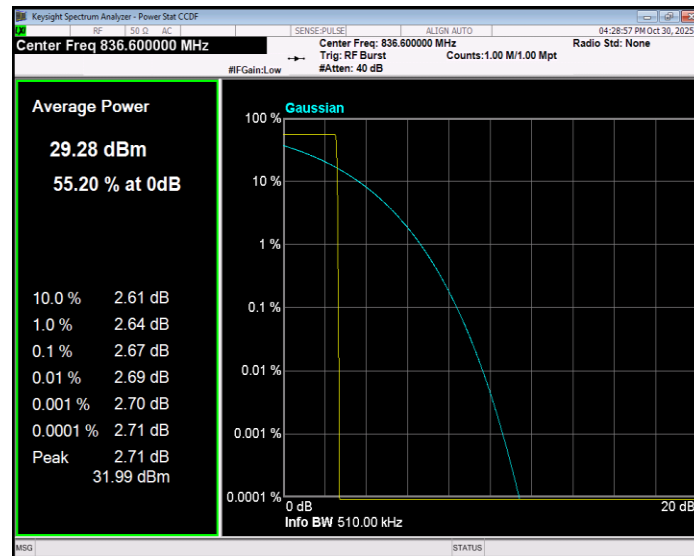
GSM850 Channel=128



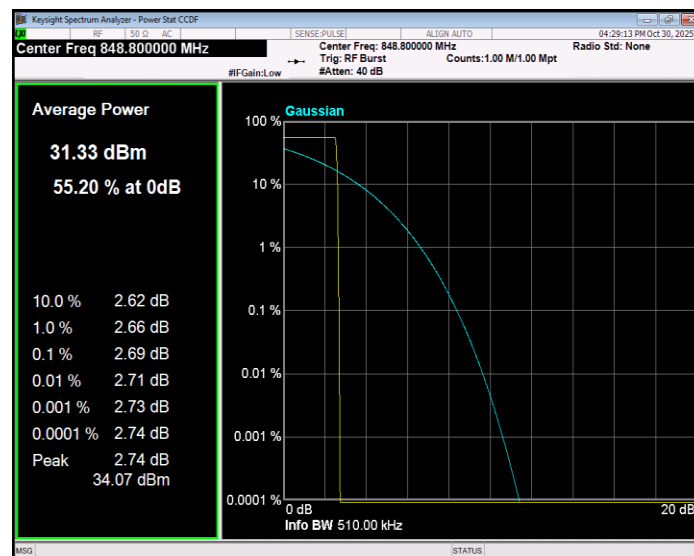
GSM850 Channel=190



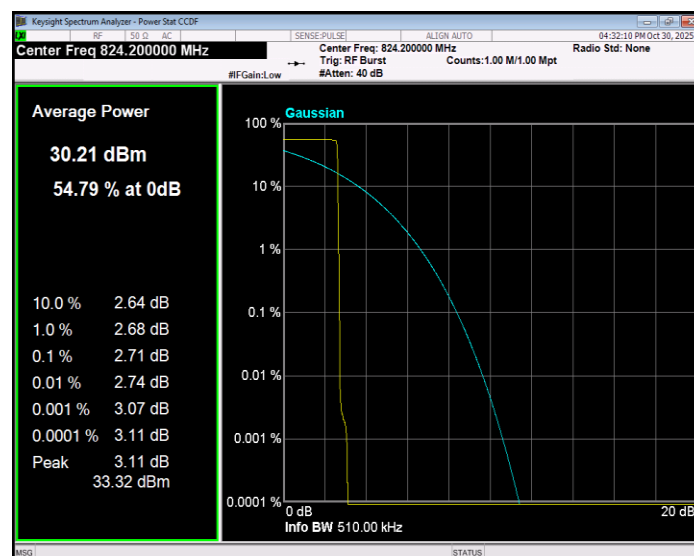
Report



GSM850 Channel=251



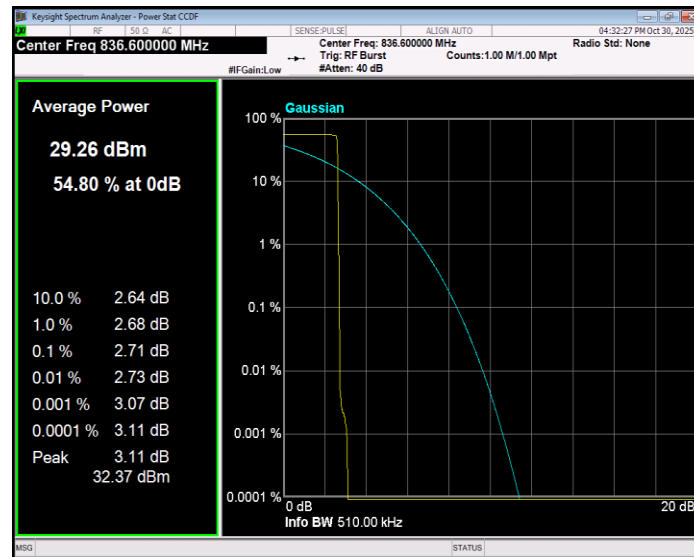
GPRS850 Channel=128



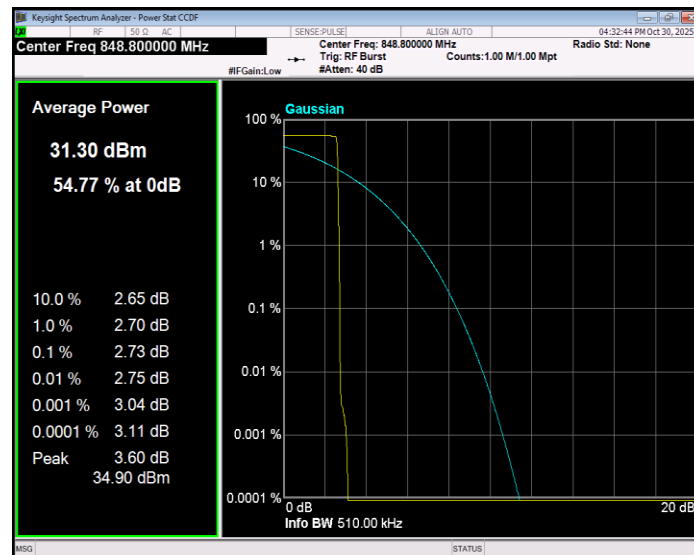


Report

GPRS850 Channel=190



GPRS850 Channel=251



EGPRS850 Channel=128



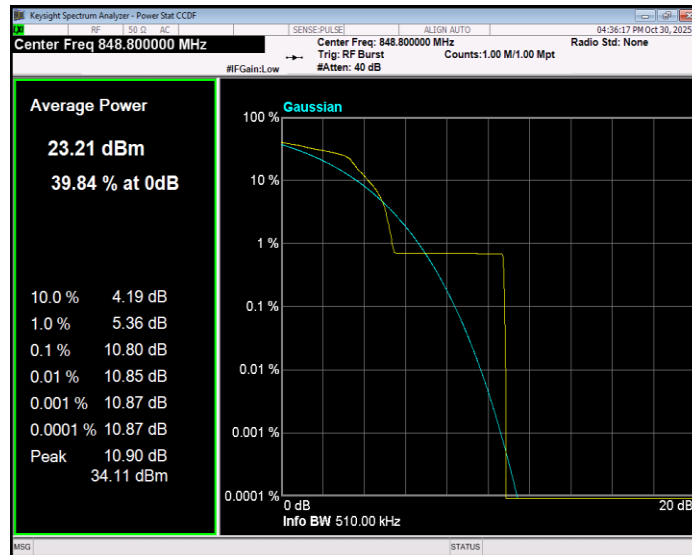


Report

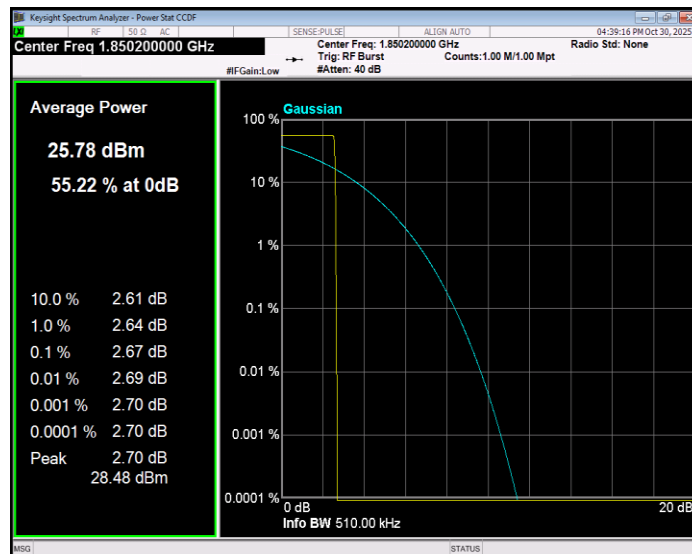
EGPRS850 Channel=190



EGPRS850 Channel=251



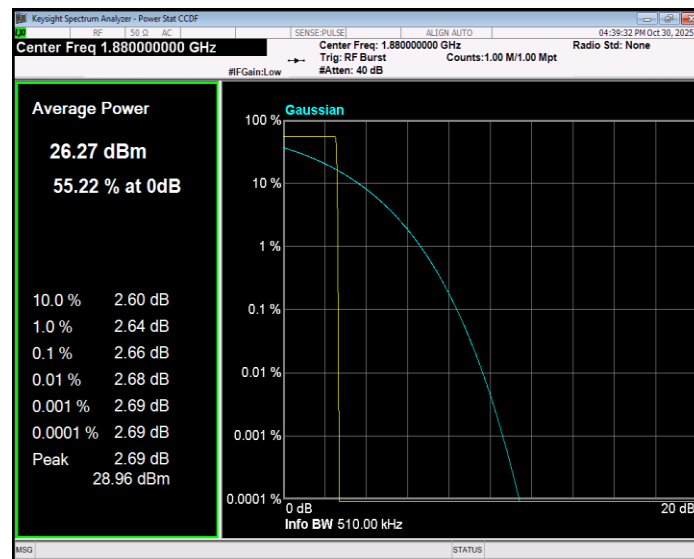
GSM1900 Channel=512



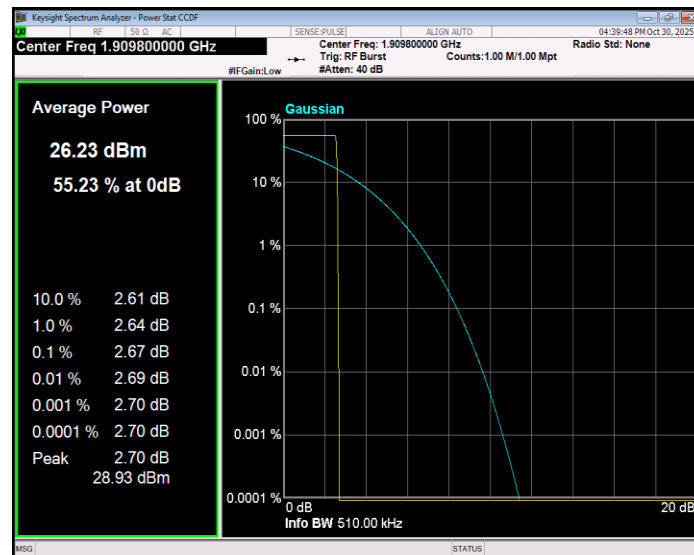


Report

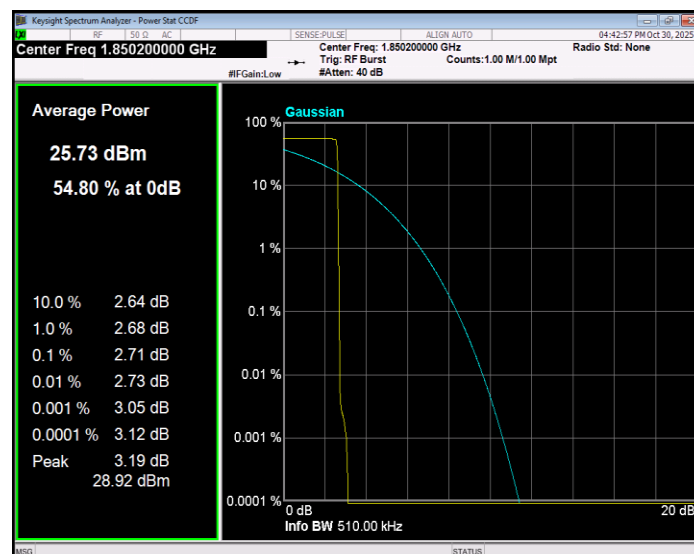
GSM1900 Channel=661



GSM1900 Channel=810



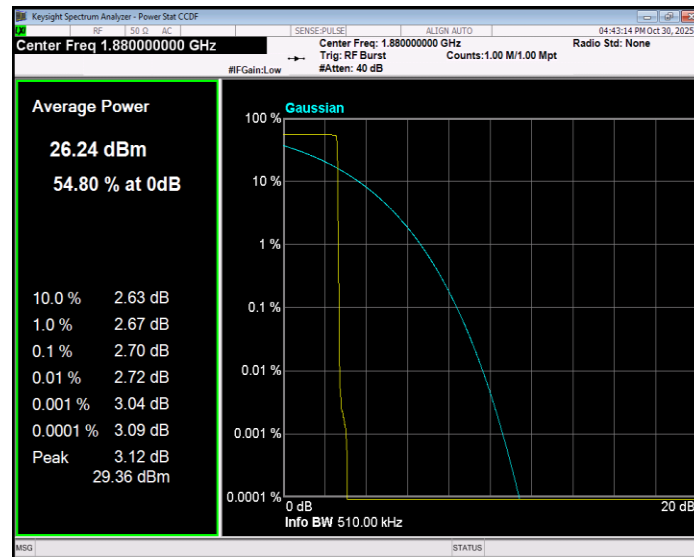
GPRS1900 Channel=512



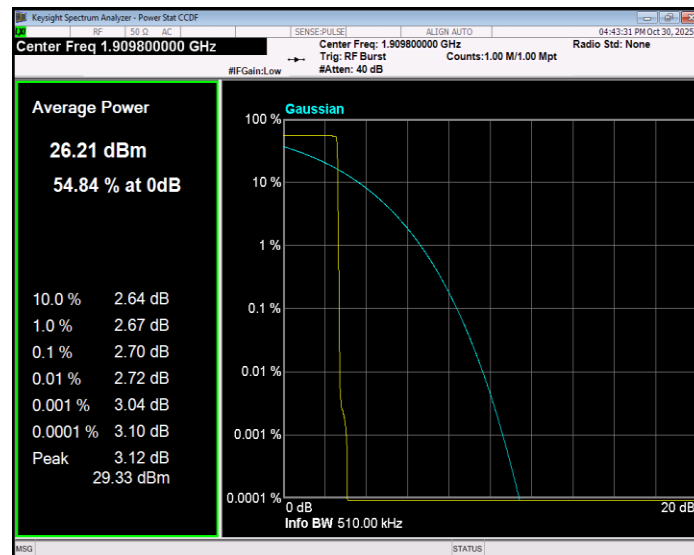


Report

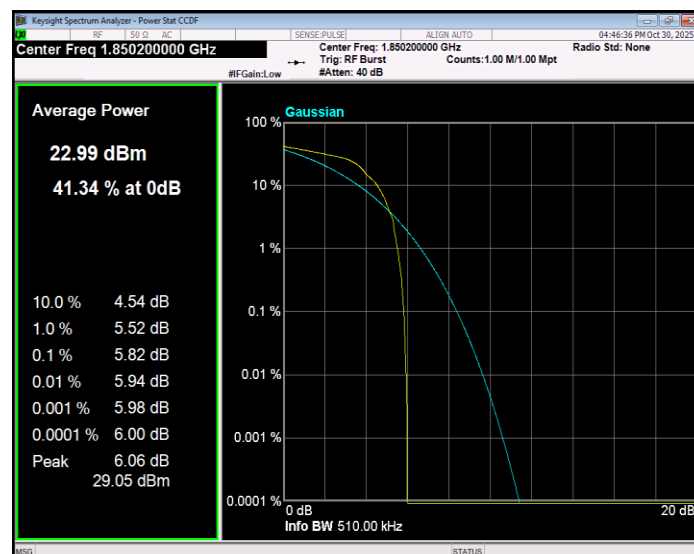
GPRS1900 Channel=661



GPRS1900 Channel=810



EGPRS1900 Channel=512



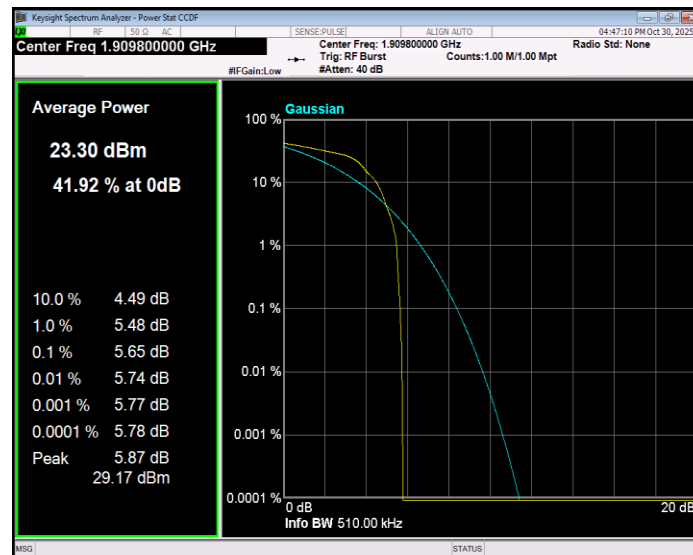


Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810



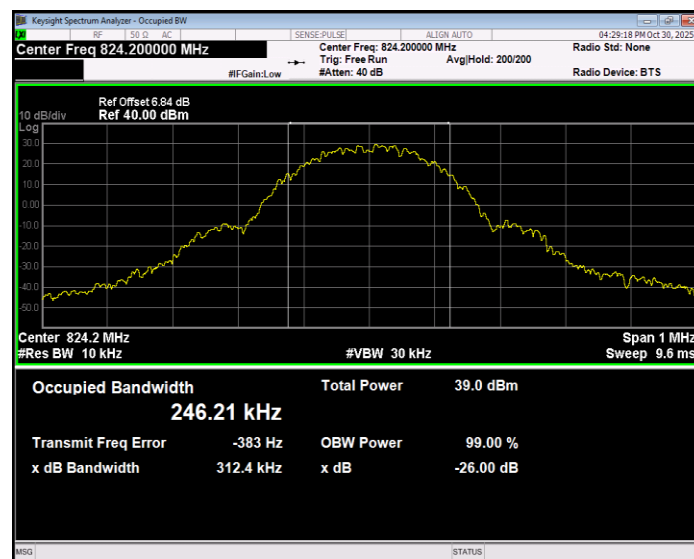


Report

Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM850	128	824.2	246.214	312.381	PASS
GSM850	190	836.6	243.723	313.981	PASS
GSM850	251	848.8	244.997	318.112	PASS
GPRS850	128	824.2	240.868	305.147	PASS
GPRS850	190	836.6	250.581	316.978	PASS
GPRS850	251	848.8	244.340	319.263	PASS
EGPRS850	128	824.2	243.884	328.619	PASS
EGPRS850	190	836.6	229.829	296.144	PASS
EGPRS850	251	848.8	221.295	271.541	PASS
GSM1900	512	1850.2	243.979	311.862	PASS
GSM1900	661	1880	243.090	309.097	PASS
GSM1900	810	1909.8	250.776	318.494	PASS
GPRS1900	512	1850.2	247.919	320.368	PASS
GPRS1900	661	1880	243.441	319.219	PASS
GPRS1900	810	1909.8	250.203	317.459	PASS
EGPRS1900	512	1850.2	246.171	304.294	PASS
EGPRS1900	661	1880	247.459	314.109	PASS
EGPRS1900	810	1909.8	246.863	320.705	PASS

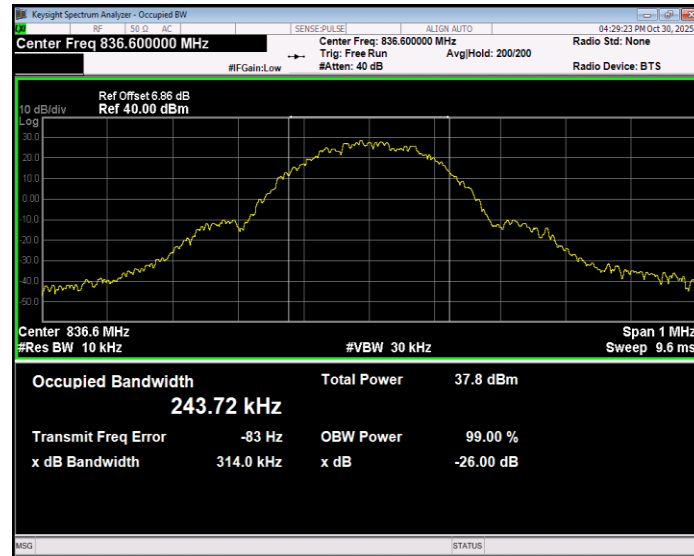
GSM850 Channel=128



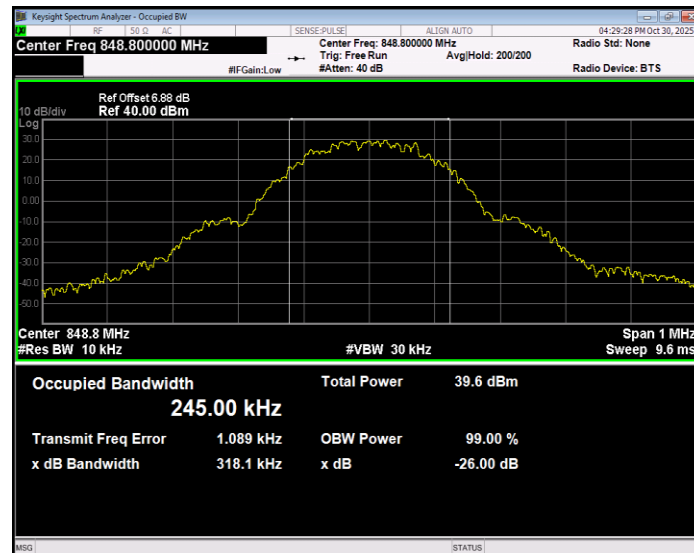
GSM850 Channel=190



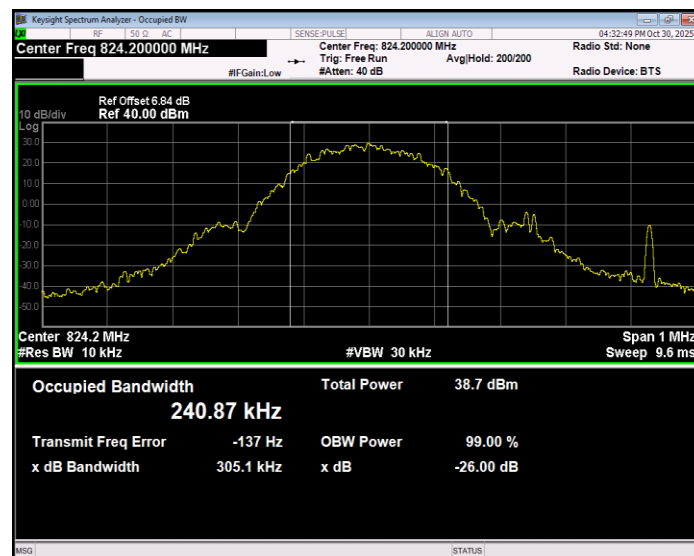
Report



GSM850 Channel=251



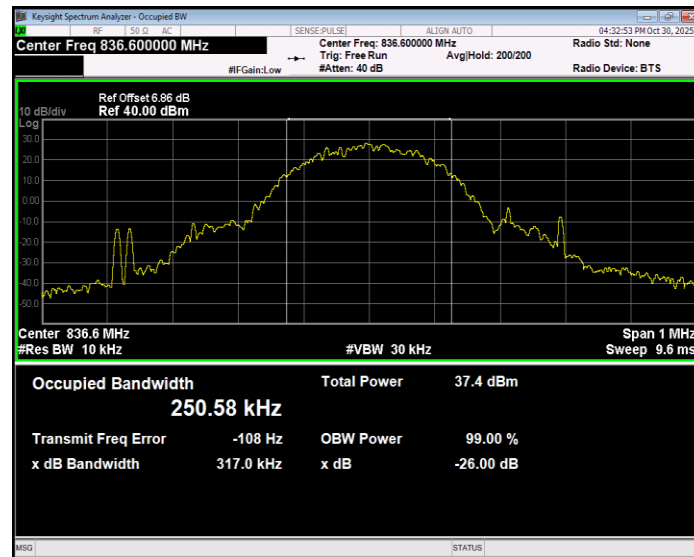
GPRS850 Channel=128



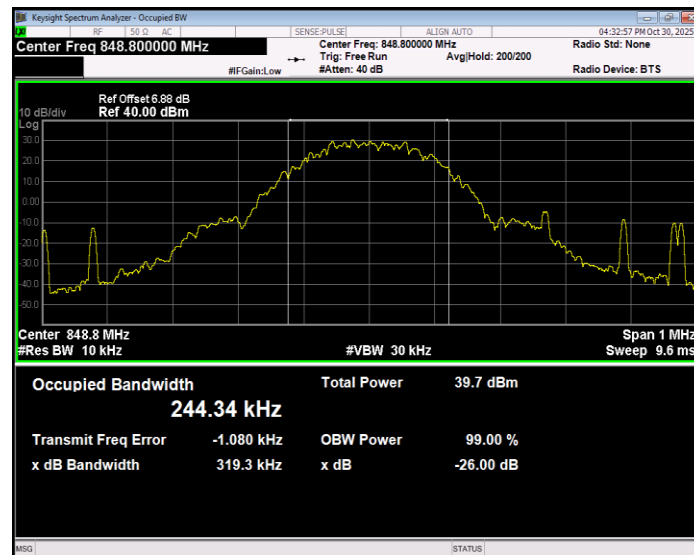


Report

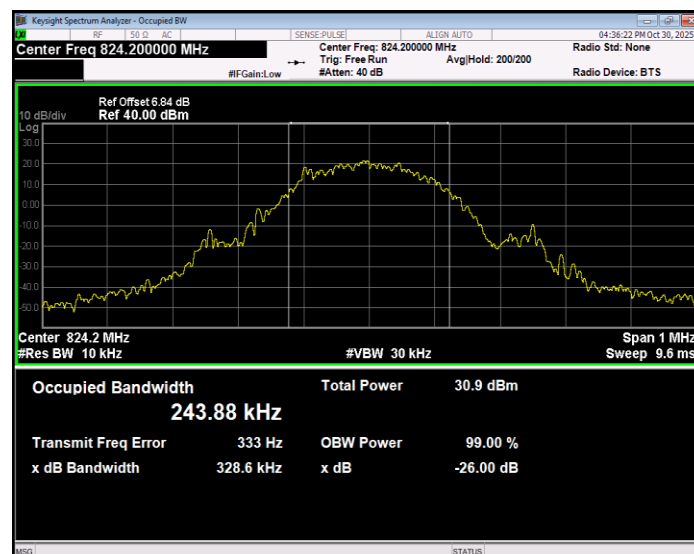
GPRS850 Channel=190



GPRS850 Channel=251



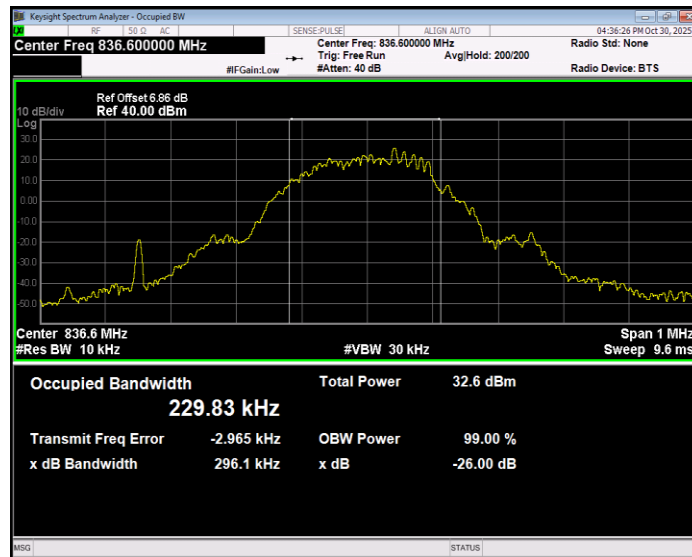
EGPRS850 Channel=128





Report

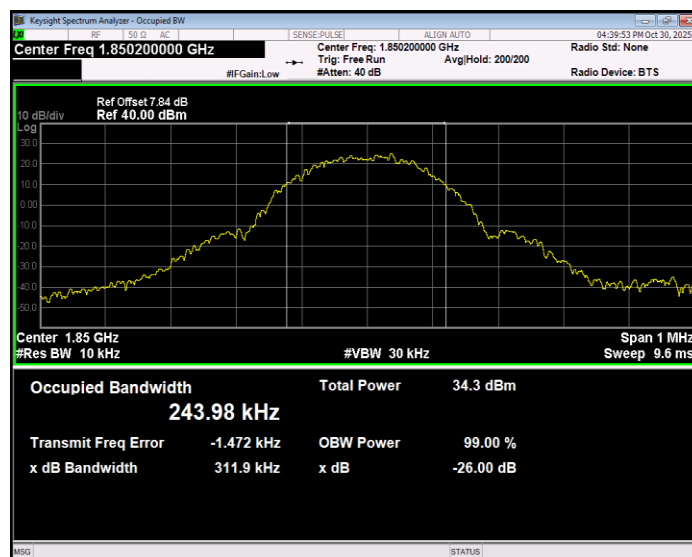
EGPRS850 Channel=190



EGPRS850 Channel=251



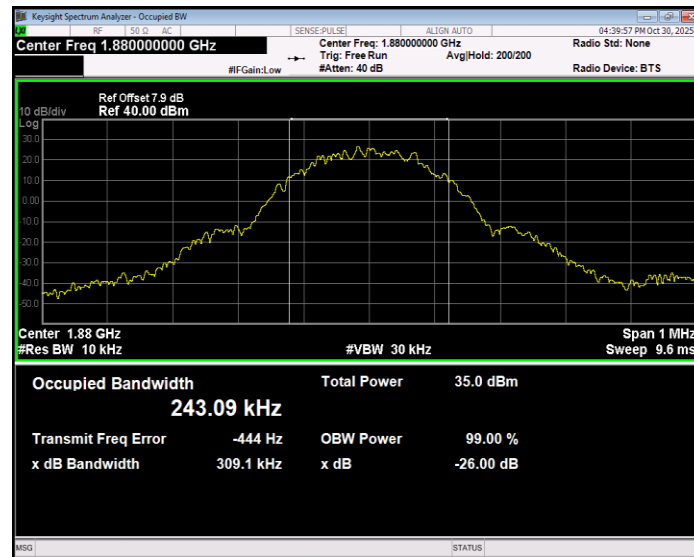
GSM1900 Channel=512



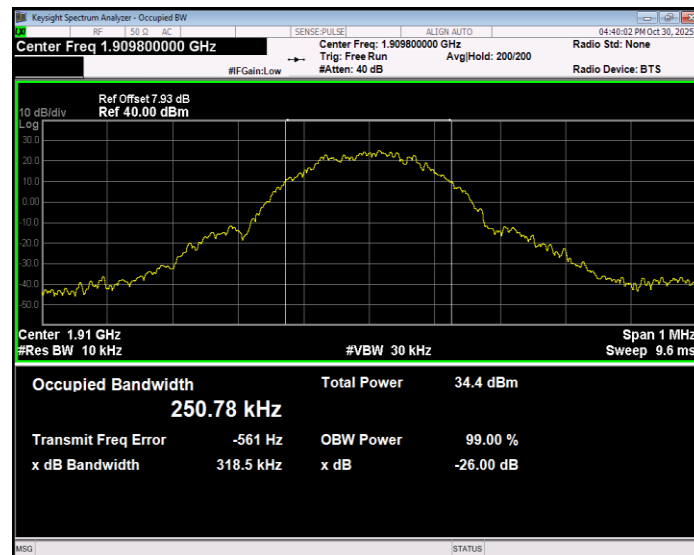


Report

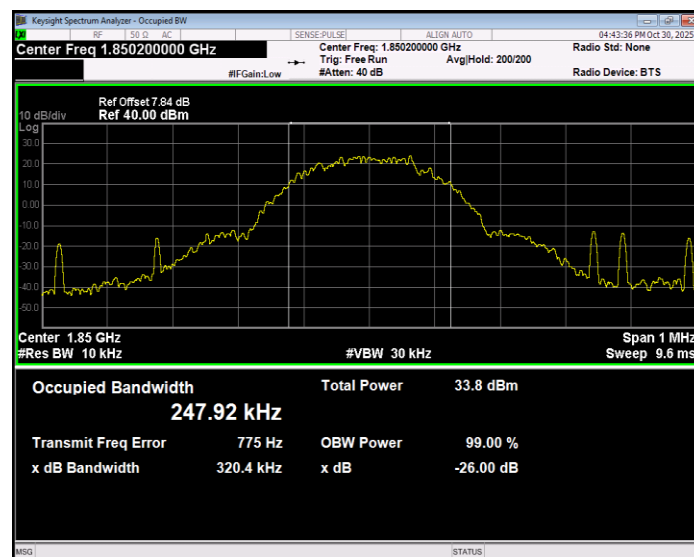
GSM1900 Channel=661



GSM1900 Channel=810



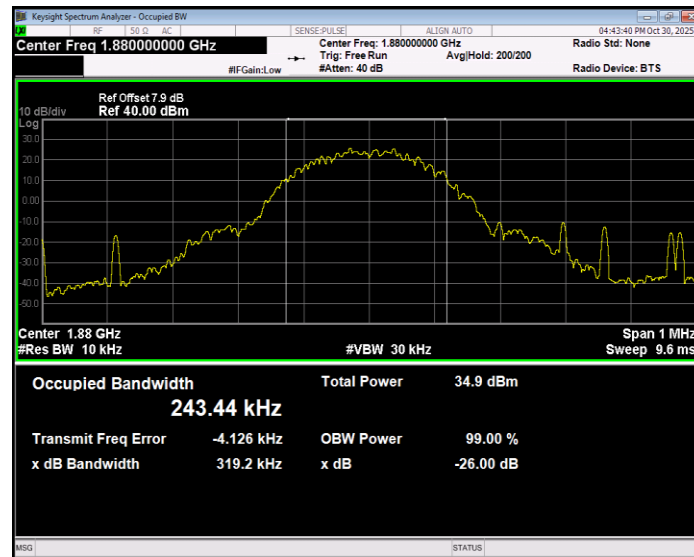
GPRS1900 Channel=512



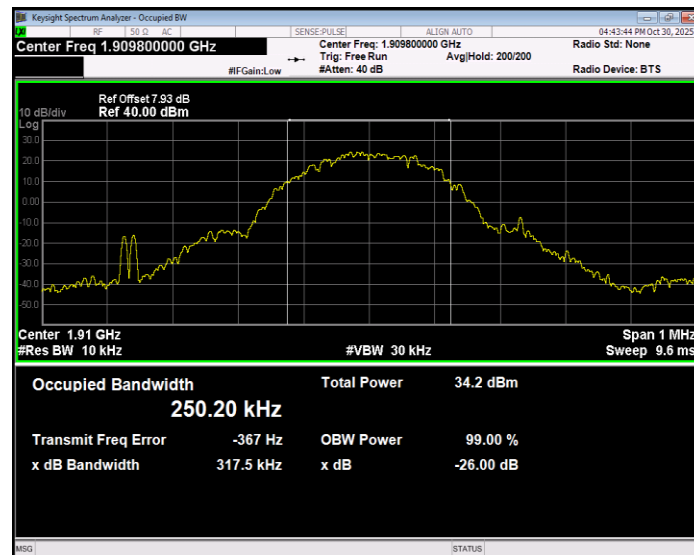


Report

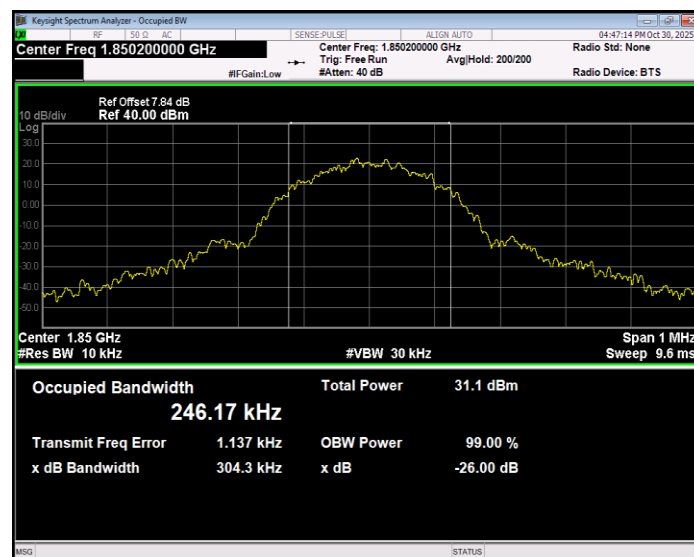
GPRS1900 Channel=661



GPRS1900 Channel=810



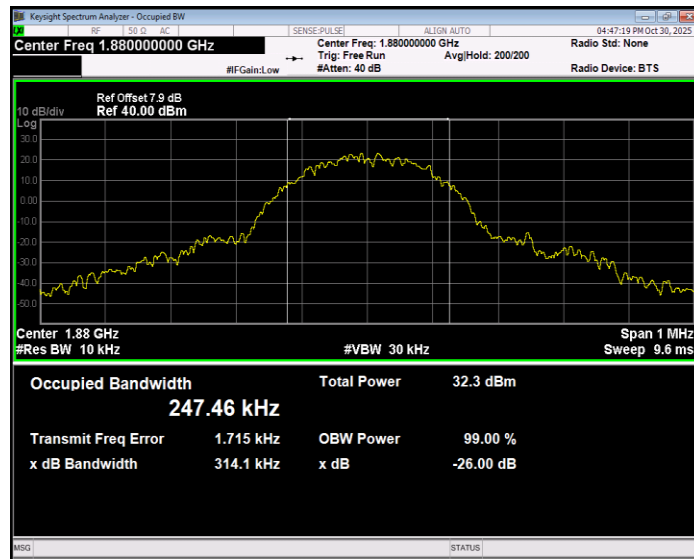
EGPRS1900 Channel=512



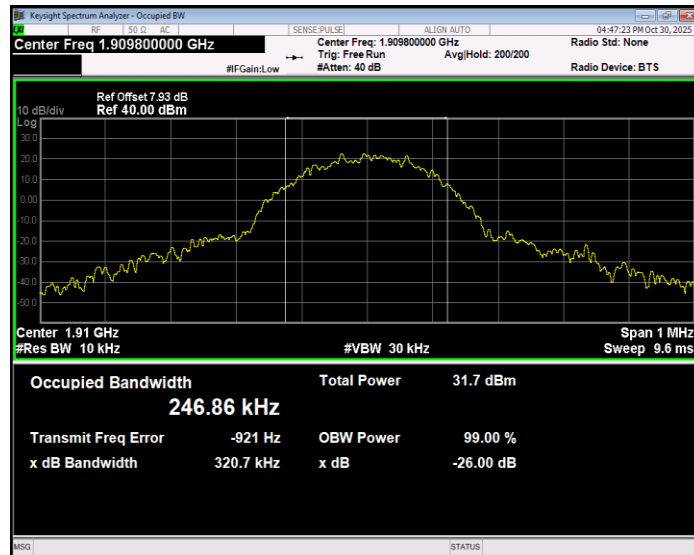


Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810



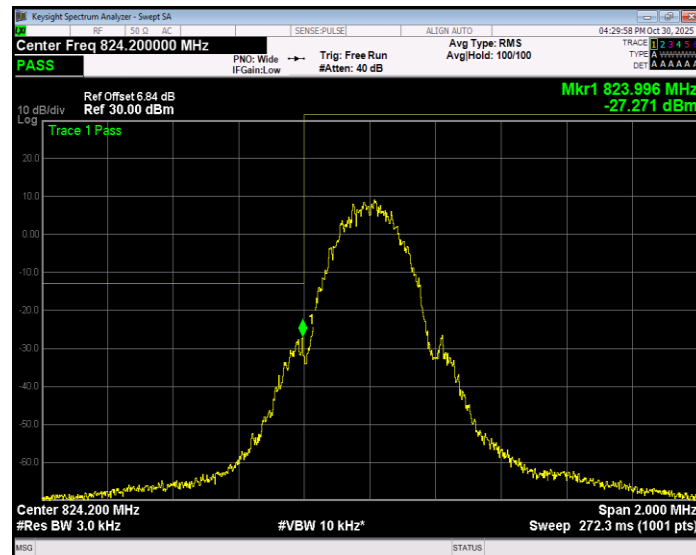


Report

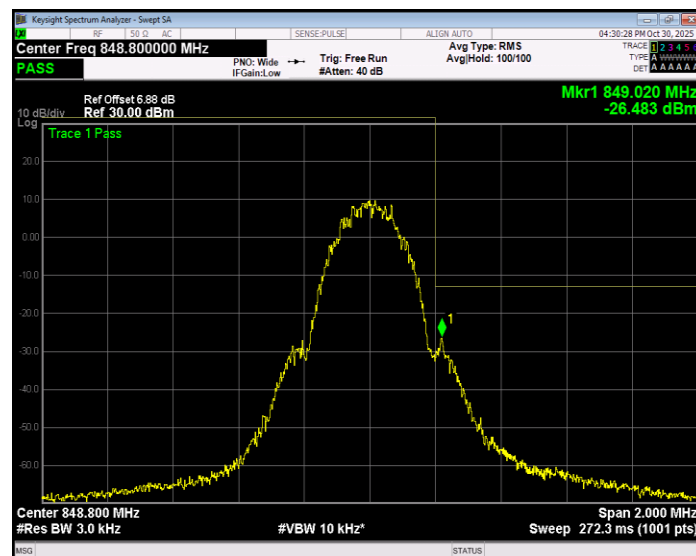
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	824.00	-27.27	-13	PASS
GSM850	251	848.8	849.02	-26.48	-13	PASS
GPRS850	128	824.2	823.98	-26.70	-13	PASS
GPRS850	251	848.8	849.02	-26.95	-13	PASS
EGPRS850	128	824.2	823.98	-36.18	-13	PASS
EGPRS850	251	848.8	849.02	-35.90	-13	PASS
GSM1900	512	1850.2	1849.98	-32.07	-13	PASS
GSM1900	810	1909.8	1910.02	-30.26	-13	PASS
GPRS1900	512	1850.2	1849.98	-33.18	-13	PASS
GPRS1900	810	1909.8	1910.03	-31.69	-13	PASS
EGPRS1900	512	1850.2	1849.99	-37.99	-13	PASS
EGPRS1900	810	1909.8	1910.01	-35.64	-13	PASS

GSM850 Channel=128



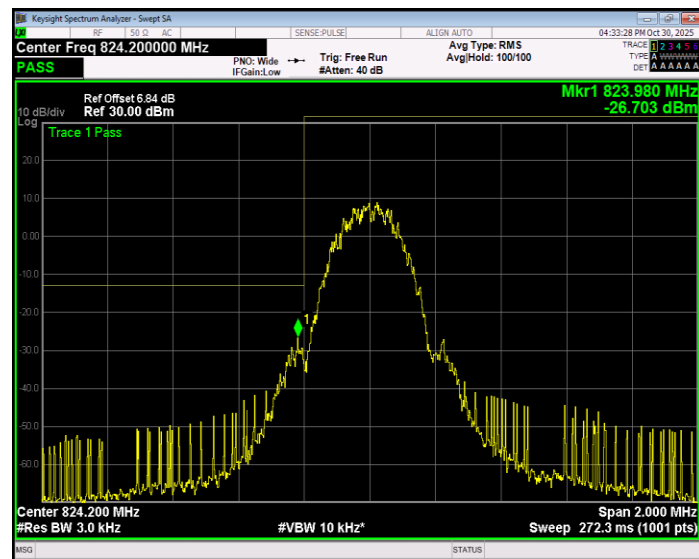
GSM850 Channel=251



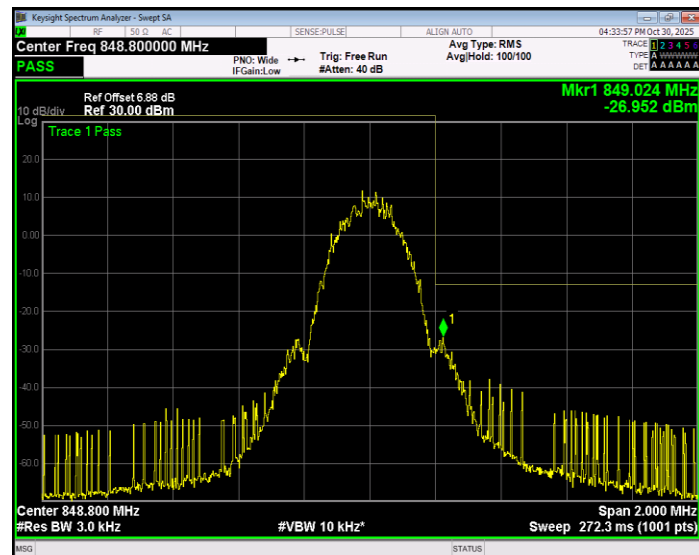


Report

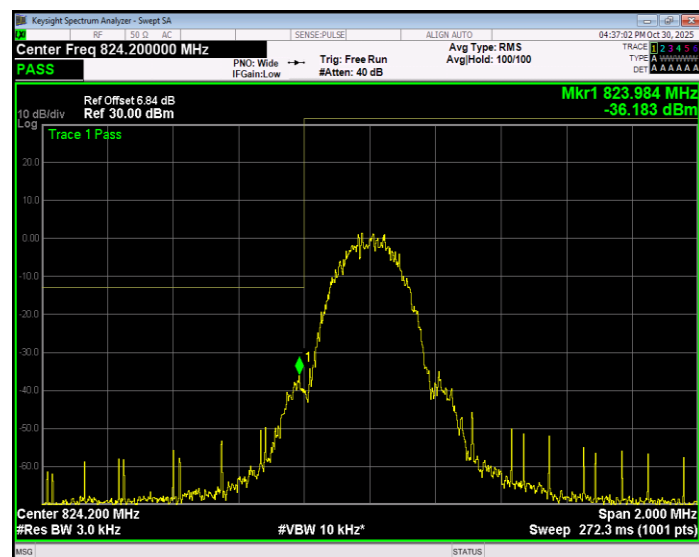
GPRS850 Channel=128



GPRS850 Channel=251



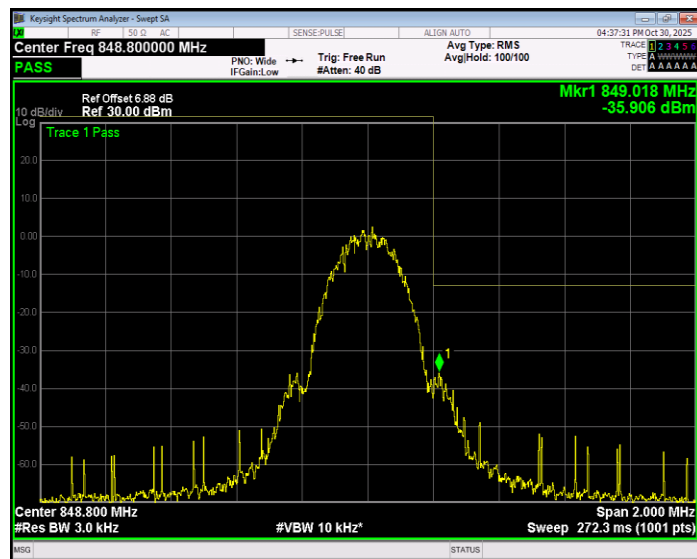
EGPRS850 Channel=128



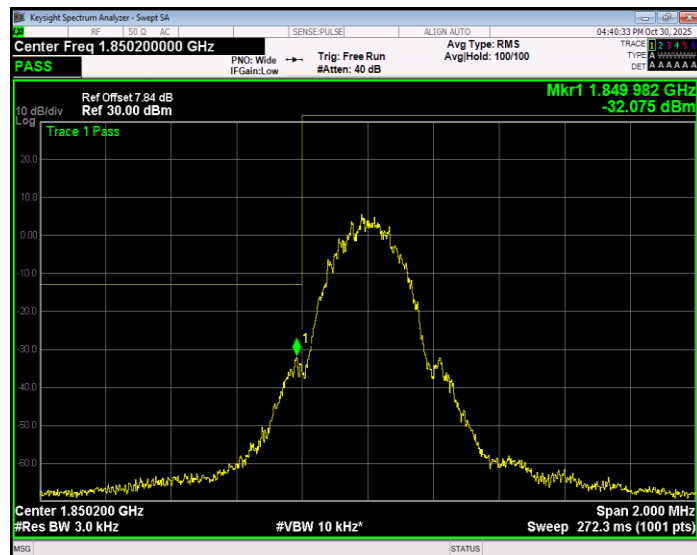


Report

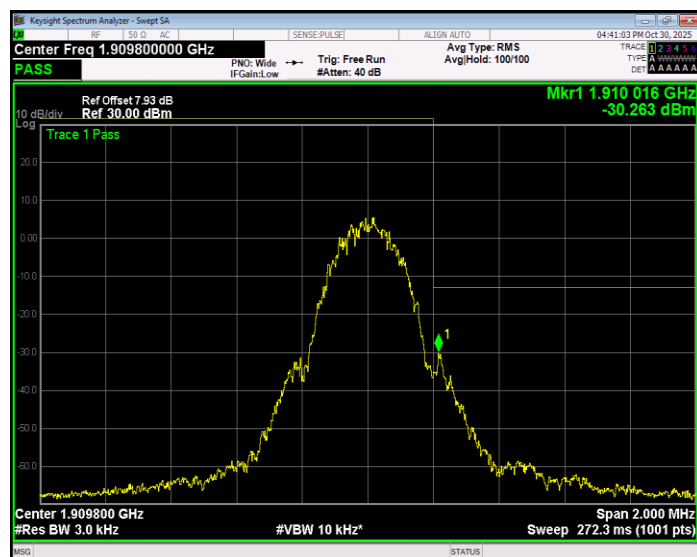
EGPRS850 Channel=251



GSM1900 Channel=512



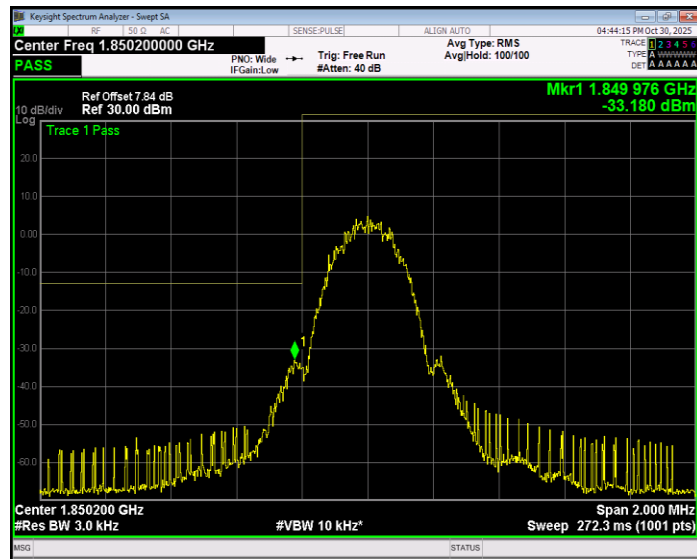
GSM1900 Channel=810



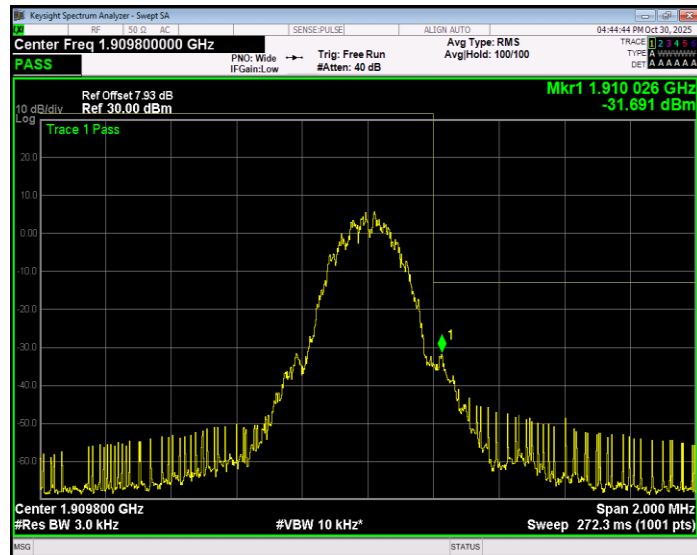


Report

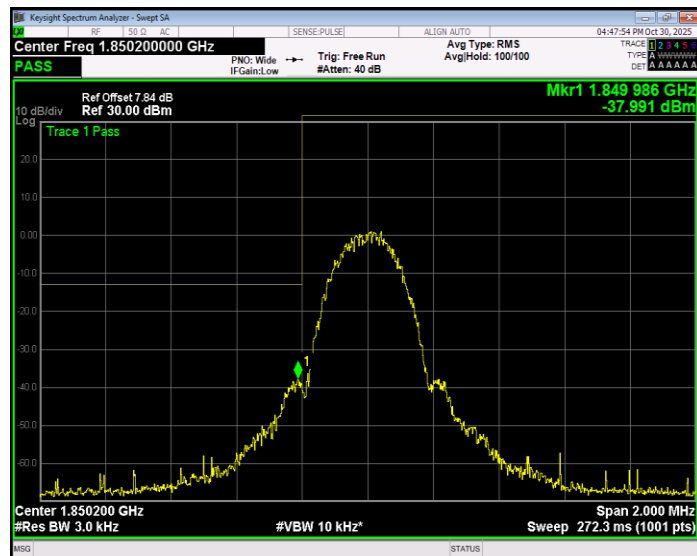
GPRS1900 Channel=512



GPRS1900 Channel=810



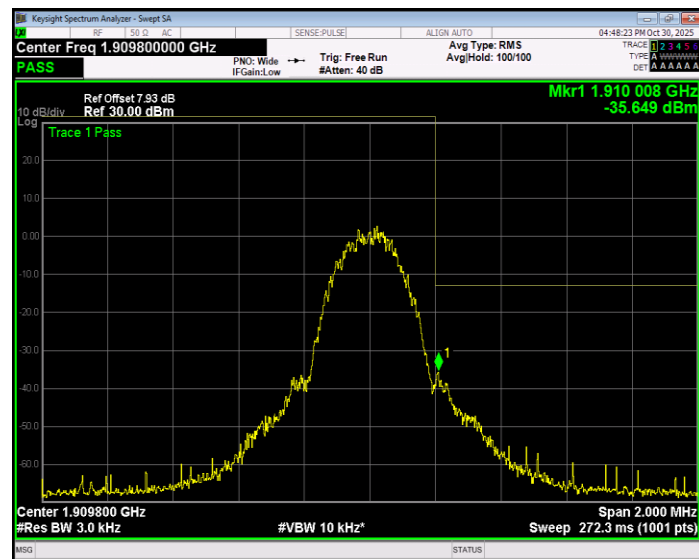
EGPRS1900 Channel=512





Report

EGPRS1900 Channel=810



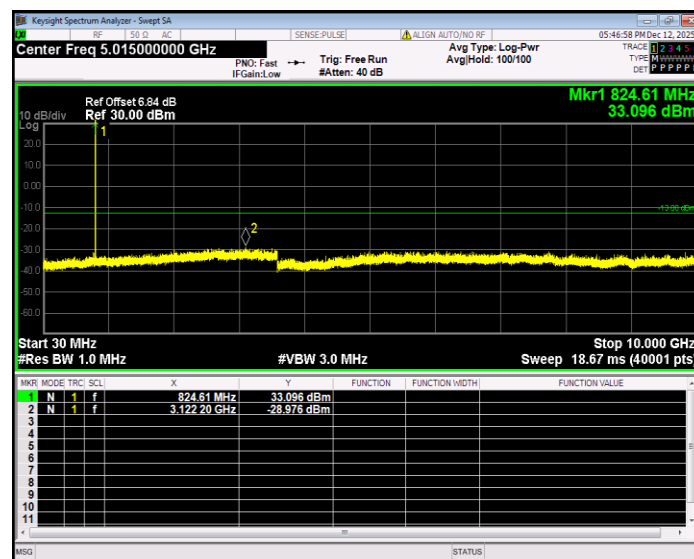


Report

Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	3122.20	-28.97	-13	PASS
GSM850	190	836.6	2658.34	-27.83	-13	PASS
GSM850	251	848.8	3163.07	-28.87	-13	PASS
GPRS850	128	824.2	2652.86	-29.36	-13	PASS
GPRS850	190	836.6	2513.28	-29.63	-13	PASS
GPRS850	251	848.8	3264.02	-29.85	-13	PASS
EGPRS850	128	824.2	3287.70	-29.86	-13	PASS
EGPRS850	190	836.6	3133.41	-29.01	-13	PASS
EGPRS850	251	848.8	3115.96	-29.43	-13	PASS
GSM1900	512	1850.2	19719.42	-24.31	-13	PASS
GSM1900	661	1880	16508.74	-23.84	-13	PASS
GSM1900	810	1909.8	19837.24	-22.76	-13	PASS
GPRS1900	512	1850.2	18960.56	-23.86	-13	PASS
GPRS1900	661	1880	19882.18	-24.12	-13	PASS
GPRS1900	810	1909.8	2003.54	-21.36	-13	PASS
EGPRS1900	512	1850.2	16326.02	-24.26	-13	PASS
EGPRS1900	661	1880	19724.91	-23.68	-13	PASS
EGPRS1900	810	1909.8	19068.90	-24.22	-13	PASS

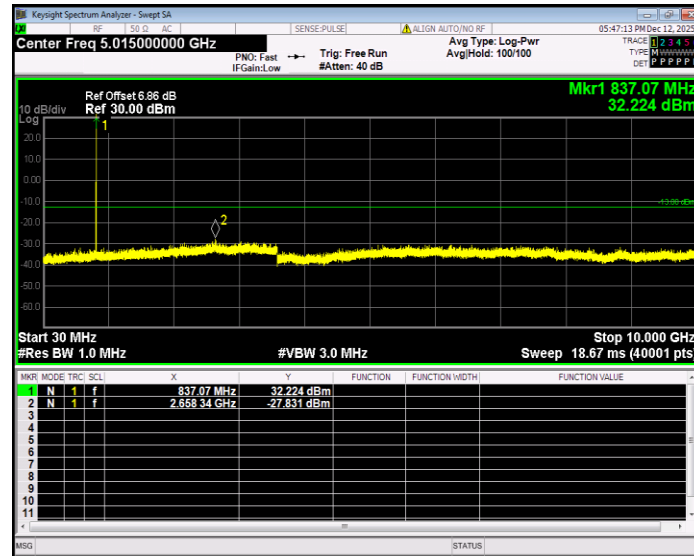
GSM850 Channel=128



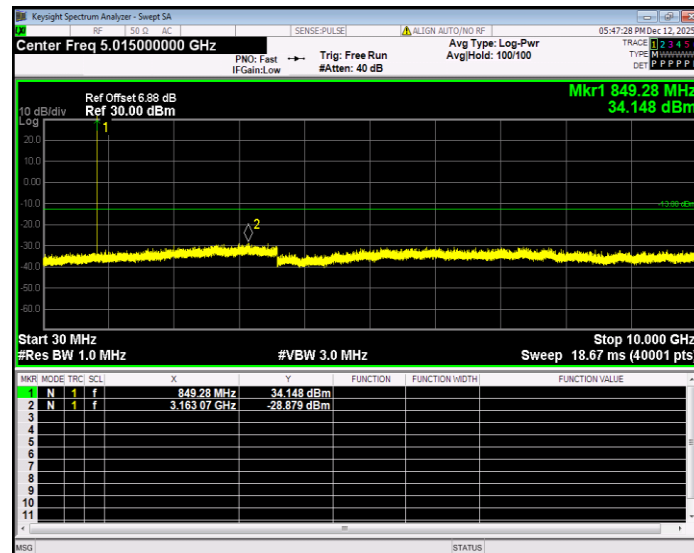
GSM850 Channel=190



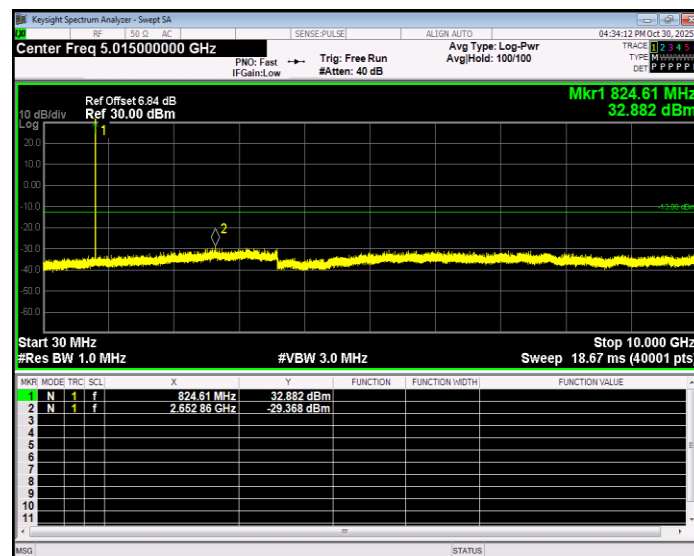
Report



GSM850 Channel=251



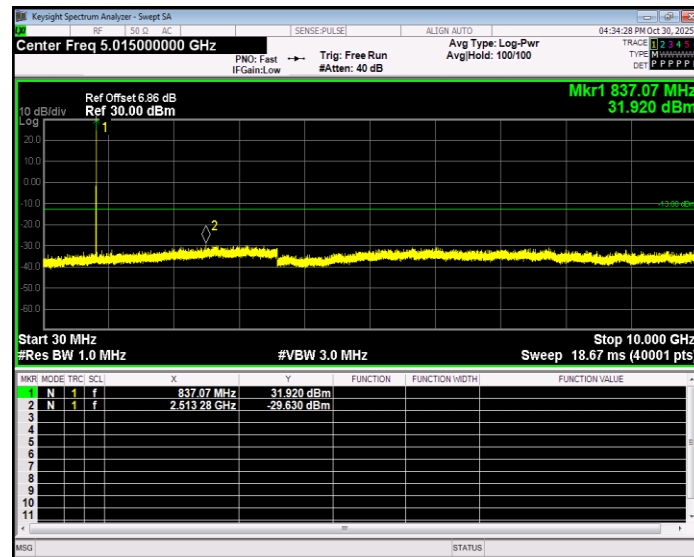
GPRS850 Channel=128



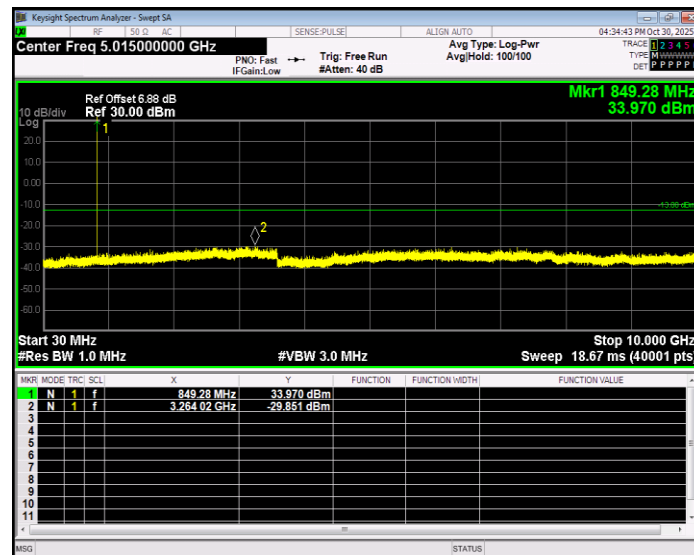


Report

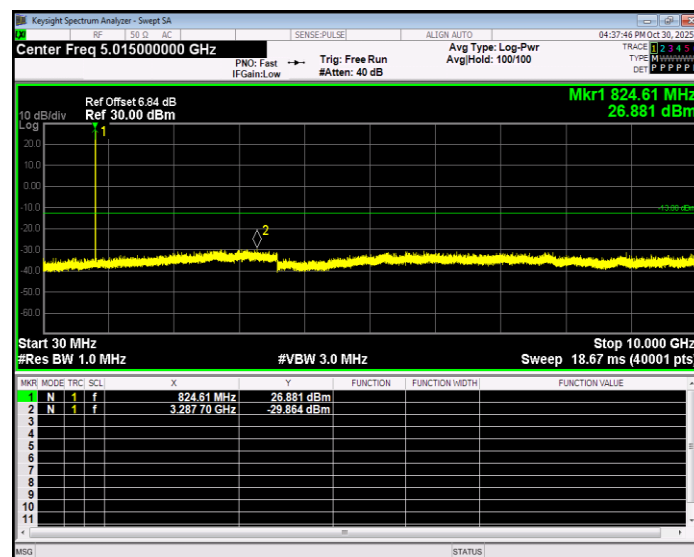
GPRS850 Channel=190



GPRS850 Channel=251



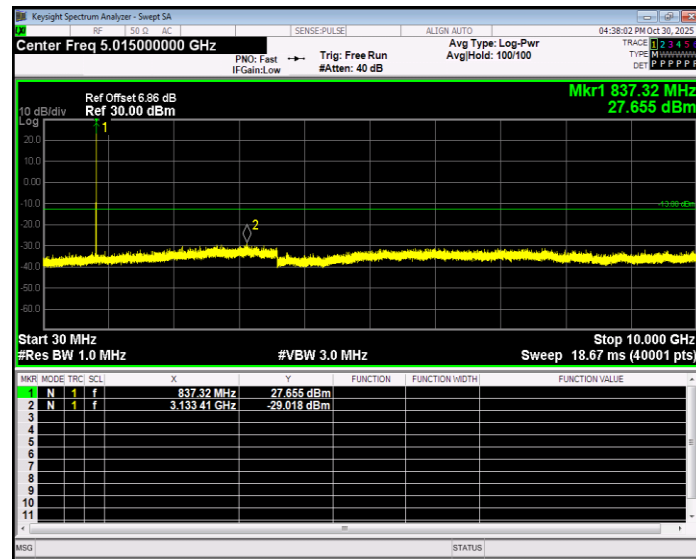
EGPRS850 Channel=128



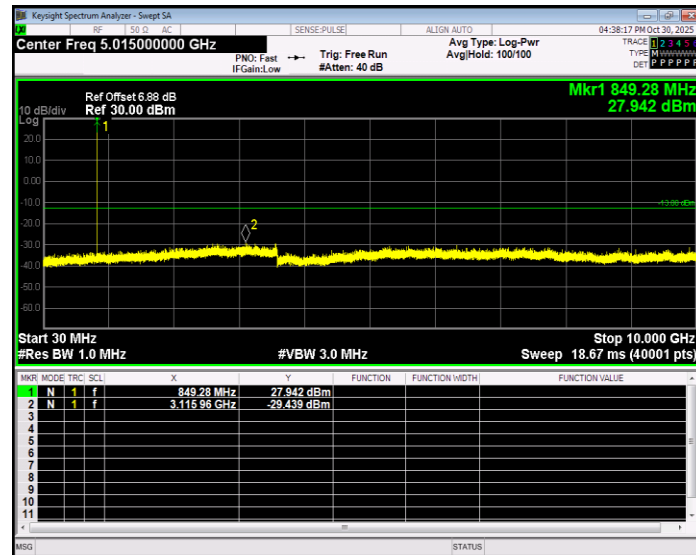


Report

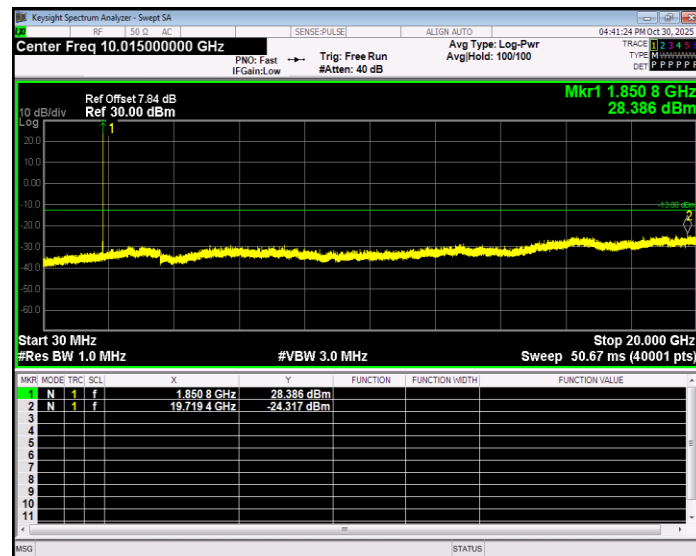
EGPRS850 Channel=190



EGPRS850 Channel=251



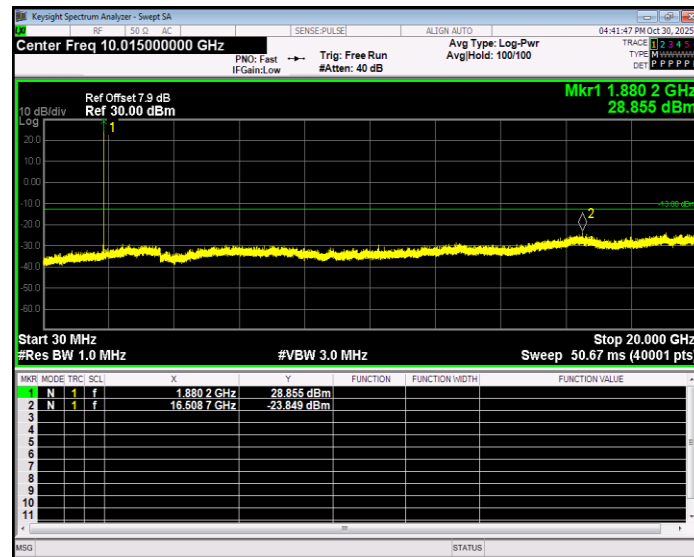
GSM1900 Channel=512



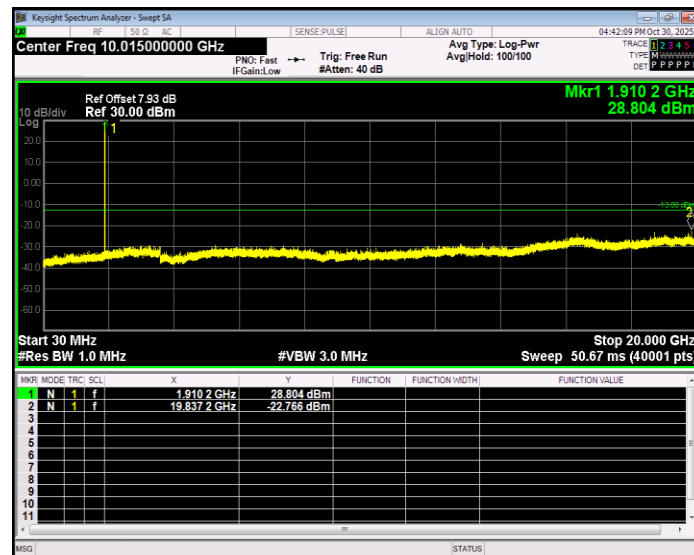


Report

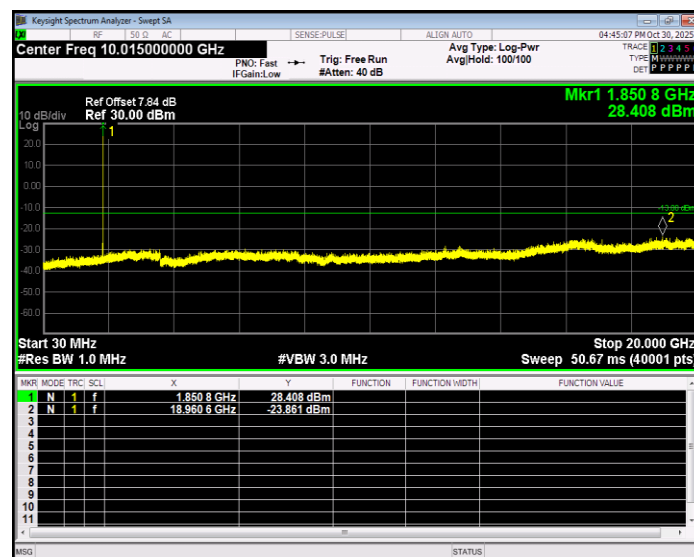
GSM1900 Channel=661



GSM1900 Channel=810



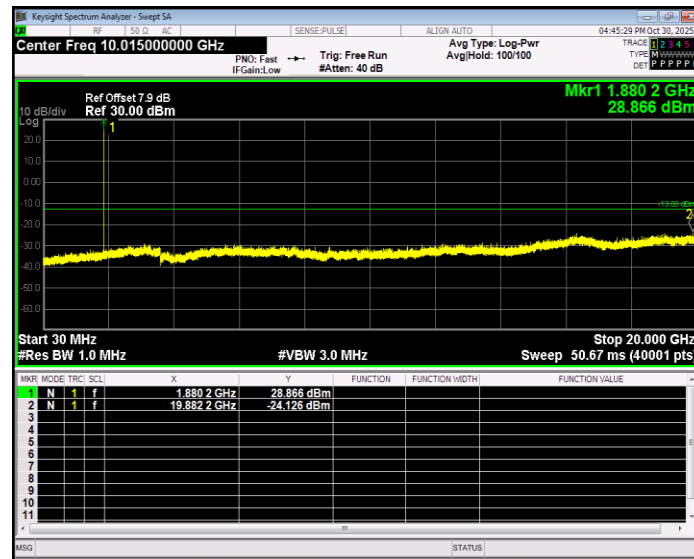
GPRS1900 Channel=512



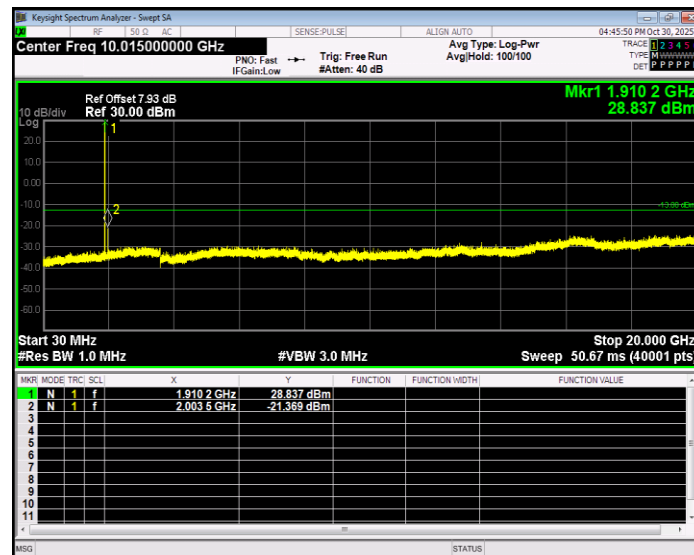


Report

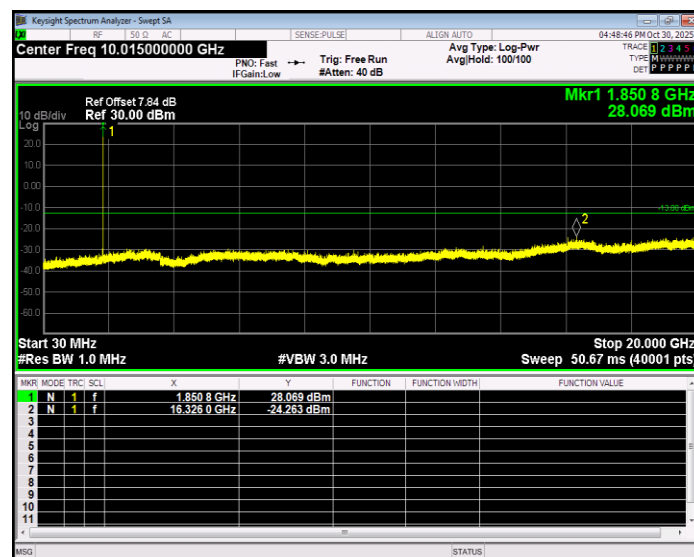
GPRS1900 Channel=661



GPRS1900 Channel=810



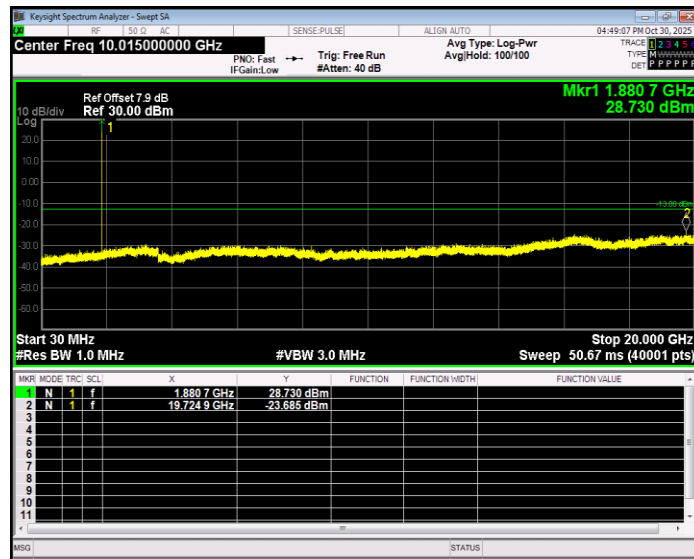
EGPRS1900 Channel=512





Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810

