



Report

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Report

Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	ERP (dBm)	ERP Limit (dBm)	Verdict
GSM850	128	824.2	33.63	-2.15	29.33	38.45	PASS
GSM850	190	836.6	33.71	-2.15	29.41	38.45	PASS
GSM850	251	848.8	33.49	-2.15	29.19	38.45	PASS
GPRS850 1 Slot	128	824.2	33.58	-2.15	29.28	38.45	PASS
GPRS850 1 Slot	190	836.6	33.66	-2.15	29.36	38.45	PASS
GPRS850 1 Slot	251	848.8	33.46	-2.15	29.16	38.45	PASS
GPRS850 2 Slot	128	824.2	32.91	-2.15	28.61	38.45	PASS
GPRS850 2 Slot	190	836.6	32.97	-2.15	28.67	38.45	PASS
GPRS850 2 Slot	251	848.8	32.78	-2.15	28.48	38.45	PASS
GPRS850 3 Slot	128	824.2	31.13	-2.15	26.83	38.45	PASS
GPRS850 3 Slot	190	836.6	31.27	-2.15	26.97	38.45	PASS
GPRS850 3 Slot	251	848.8	31.07	-2.15	26.77	38.45	PASS
GPRS850 4 Slot	128	824.2	29.99	-2.15	25.69	38.45	PASS
GPRS850 4 Slot	190	836.6	30.17	-2.15	25.87	38.45	PASS
GPRS850 4 Slot	251	848.8	29.94	-2.15	25.64	38.45	PASS
EGPRS850 1 Slot	128	824.2	27.55	-2.15	23.25	38.45	PASS
EGPRS850 1 Slot	190	836.6	28.87	-2.15	24.57	38.45	PASS
EGPRS850 1 Slot	251	848.8	28.47	-2.15	24.17	38.45	PASS
EGPRS850 2 Slot	128	824.2	26.97	-2.15	22.67	38.45	PASS
EGPRS850 2 Slot	190	836.6	27.78	-2.15	23.48	38.45	PASS
EGPRS850 2 Slot	251	848.8	27.68	-2.15	23.38	38.45	PASS
EGPRS850 3 Slot	128	824.2	25.24	-2.15	20.94	38.45	PASS
EGPRS850 3 Slot	190	836.6	25.61	-2.15	21.31	38.45	PASS
EGPRS850 3 Slot	251	848.8	25.48	-2.15	21.18	38.45	PASS
EGPRS850 4 Slot	128	824.2	24.12	-2.15	19.82	38.45	PASS
EGPRS850 4 Slot	190	836.6	24.51	-2.15	20.21	38.45	PASS
EGPRS850 4 Slot	251	848.8	24.63	-2.15	20.33	38.45	PASS



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Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
GSM1900	512	1850.2	30.91	1.31	32.22	33.01	PASS
GSM1900	661	1880	31.03	1.31	32.34	33.01	PASS
GSM1900	810	1909.8	30.73	1.31	32.04	33.01	PASS
GPRS1900 1 Slot	512	1850.2	30.89	1.31	32.20	33.01	PASS
GPRS1900 1 Slot	661	1880	31.03	1.31	32.34	33.01	PASS
GPRS1900 1 Slot	810	1909.8	30.74	1.31	32.05	33.01	PASS
GPRS1900 2 Slot	512	1850.2	30.02	1.31	31.33	33.01	PASS
GPRS1900 2 Slot	661	1880	30.20	1.31	31.51	33.01	PASS
GPRS1900 2 Slot	810	1909.8	29.99	1.31	31.30	33.01	PASS
GPRS1900 3 Slot	512	1850.2	27.89	1.31	29.20	33.01	PASS
GPRS1900 3 Slot	661	1880	28.15	1.31	29.46	33.01	PASS
GPRS1900 3 Slot	810	1909.8	28.02	1.31	29.33	33.01	PASS
GPRS1900 4 Slot	512	1850.2	26.75	1.31	28.06	33.01	PASS
GPRS1900 4 Slot	661	1880	27.04	1.31	28.35	33.01	PASS
GPRS1900 4 Slot	810	1909.8	26.97	1.31	28.28	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	26.71	1.31	28.02	33.01	PASS
EGPRS1900 1 Slot	661	1880	27.24	1.31	28.55	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	26.79	1.31	28.10	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	26.11	1.31	27.42	33.01	PASS
EGPRS1900 2 Slot	661	1880	25.86	1.31	27.17	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	26.02	1.31	27.33	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	24.48	1.31	25.79	33.01	PASS
EGPRS1900 3 Slot	661	1880	24.45	1.31	25.76	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	24.41	1.31	25.72	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	23.43	1.31	24.74	33.01	PASS
EGPRS1900 4 Slot	661	1880	23.06	1.31	24.37	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	22.78	1.31	24.09	33.01	PASS



Report

Frequency stability

GSM 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-2.57	-0.003	2.5ppm	PASS
40		-2.96	-0.004		
30		-2.92	-0.003		
20		-7.01	-0.008		
10		-2.53	-0.003		
0		2.49	0.003		
-10		2.48	0.003		
-20		-2.57	-0.003		
-30		-2.77	-0.003		
20	Maximum Voltage	-2.88	-0.003		
20	BEP	2.63	0.003		

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	2.93	0.003	2.5ppm	PASS
40		2.73	0.003		
30		2.49	0.003		
20		-7.07	-0.008		
10		2.51	0.003		
0		-2.44	-0.003		
-10		2.57	0.003		
-20		2.85	0.003		
-30		-2.59	-0.003		
20	Maximum Voltage	-2.74	-0.003		
20	BEP	-2.76	-0.003		



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EGPRS 850 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-5.58	-0.007	2.5ppm	PASS
40		5.28	0.006		
30		-5.65	-0.007		
20		-12.40	-0.015		
10		-5.16	-0.006		
0		5.13	0.006		
-10		-5.50	-0.007		
-20		-5.15	-0.006		
-30		-5.67	-0.007		
20	Maximum Voltage	-5.31	-0.006		
20	BEP	5.49	0.007		

GSM 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-6.19	-0.003	Within Authorized Band	PASS
40		6.30	0.003		
30		-6.16	-0.003		
20		-13.75	-0.007		
10		6.28	0.003		
0		-5.91	-0.003		
-10		-5.96	-0.003		
-20		6.13	0.003		
-30		5.98	0.003		
20	Maximum Voltage	-6.28	-0.003		
20	BEP	-6.07	-0.003		



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GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	5.45	0.003	Within Authorized Band	PASS
40		5.62	0.003		
30		5.14	0.003		
20		-12.43	-0.007		
10		-5.18	-0.003		
0		-5.33	-0.003		
-10		-5.29	-0.003		
-20		5.29	0.003		
-30		-5.19	-0.003		
20	Maximum Voltage	-5.19	-0.003		
20	BEP	-5.38	-0.003		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	13.34	0.007	Within Authorized Band	PASS
40		13.82	0.007		
30		13.63	0.007		
20		-28.70	-0.015		
10		-13.48	-0.007		
0		-13.36	-0.007		
-10		-13.78	-0.007		
-20		-13.52	-0.007		
-30		13.24	0.007		
20	Maximum Voltage	13.42	0.007		
20	BEP	-13.40	-0.007		

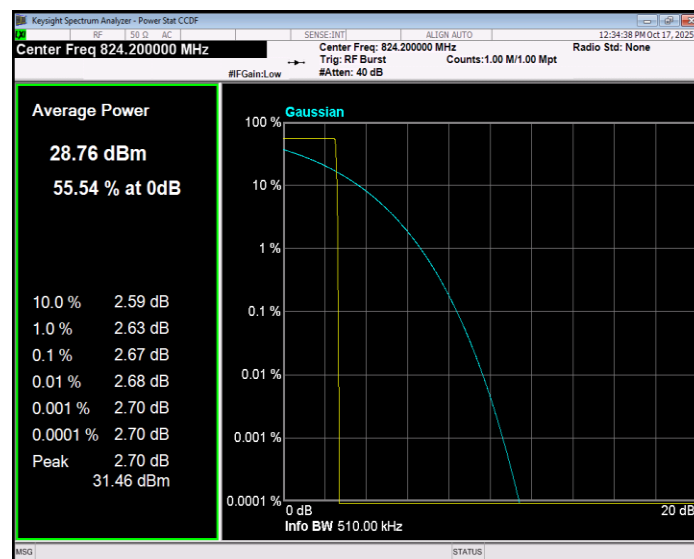


Report

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	2.64	13	PASS
GSM850	251	848.8	2.65	13	PASS
GPRS850	128	824.2	2.71	13	PASS
GPRS850	190	836.6	2.68	13	PASS
GPRS850	251	848.8	2.69	13	PASS
EGPRS850	128	824.2	8.66	13	PASS
EGPRS850	190	836.6	7.84	13	PASS
EGPRS850	251	848.8	7.61	13	PASS
GSM1900	512	1850.2	2.65	13	PASS
GSM1900	661	1880	2.67	13	PASS
GSM1900	810	1909.8	2.70	13	PASS
GPRS1900	512	1850.2	2.71	13	PASS
GPRS1900	661	1880	2.72	13	PASS
GPRS1900	810	1909.8	2.74	13	PASS
EGPRS1900	512	1850.2	6.60	13	PASS
EGPRS1900	661	1880	7.18	13	PASS
EGPRS1900	810	1909.8	7.21	13	PASS

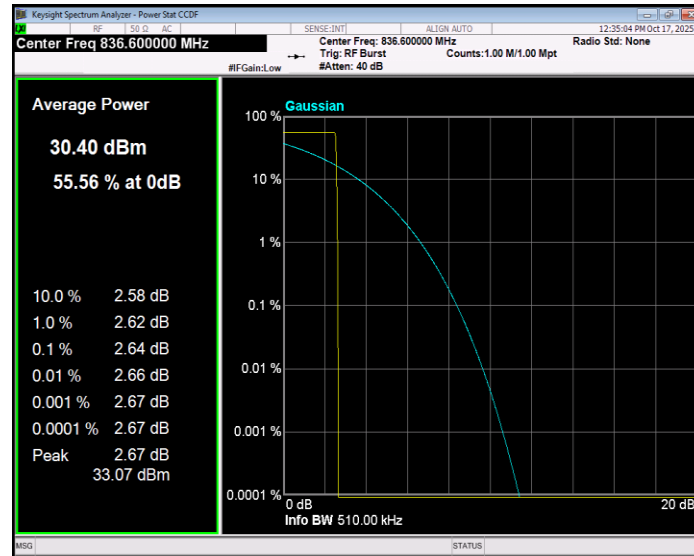
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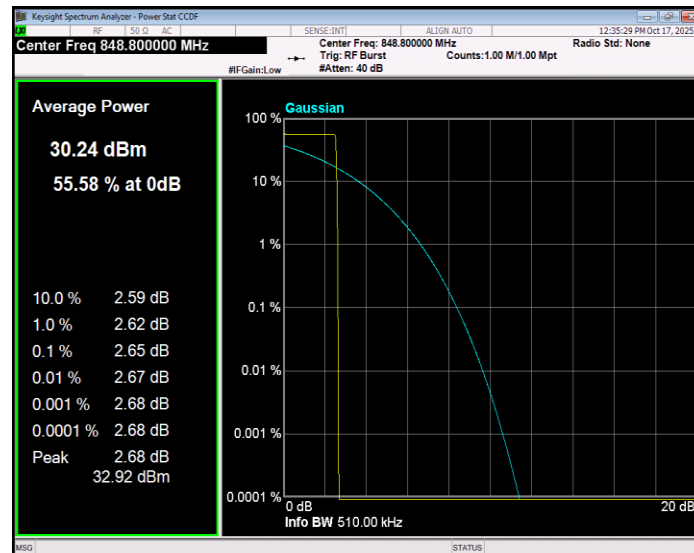
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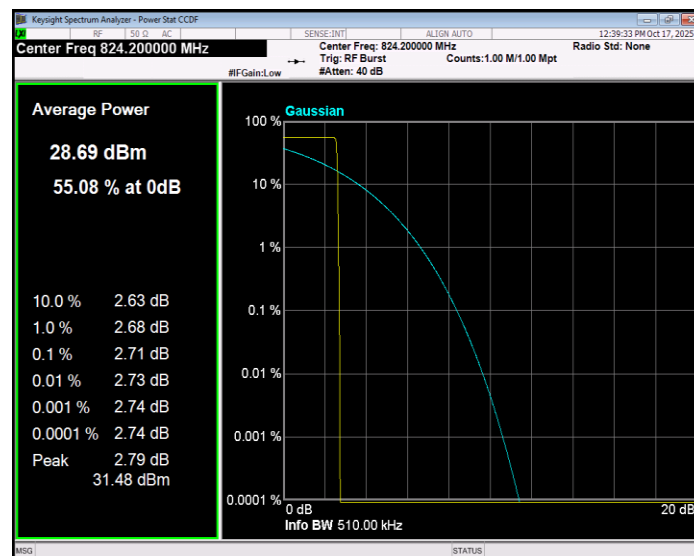
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GSM850 Channel=251



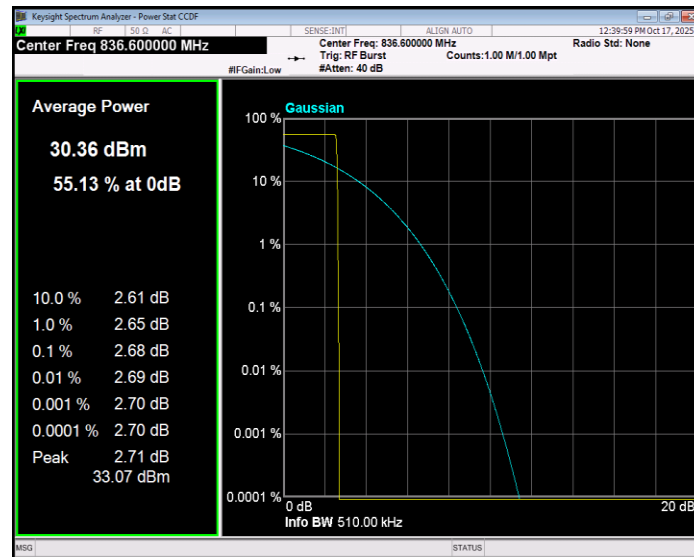
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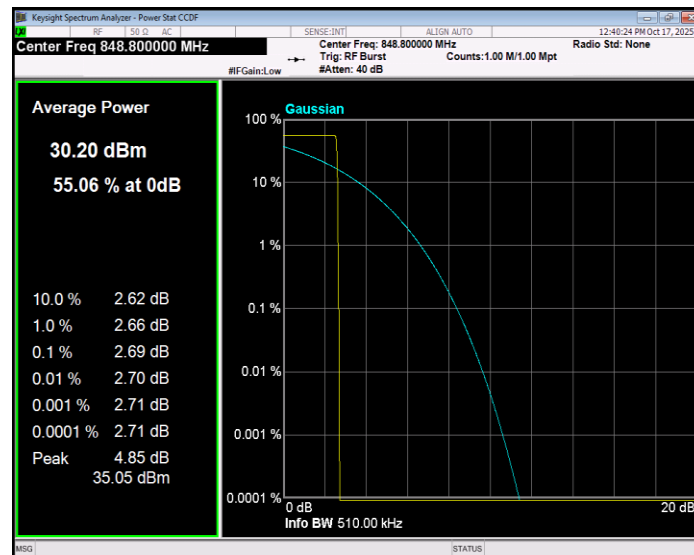


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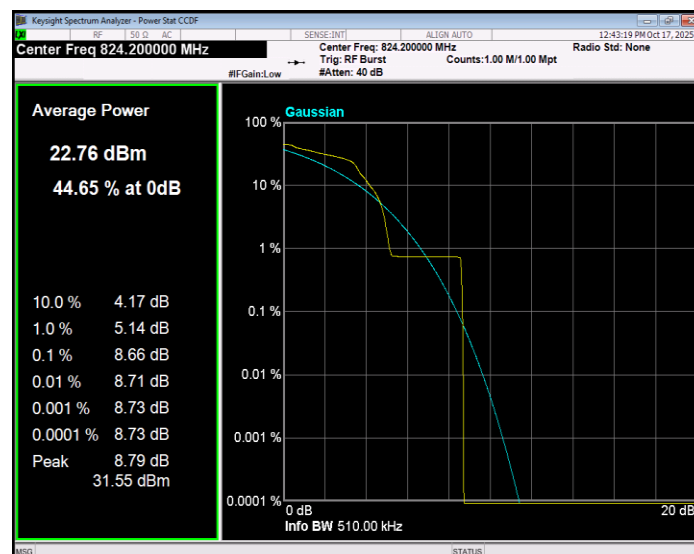
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GPRS850 Channel=251



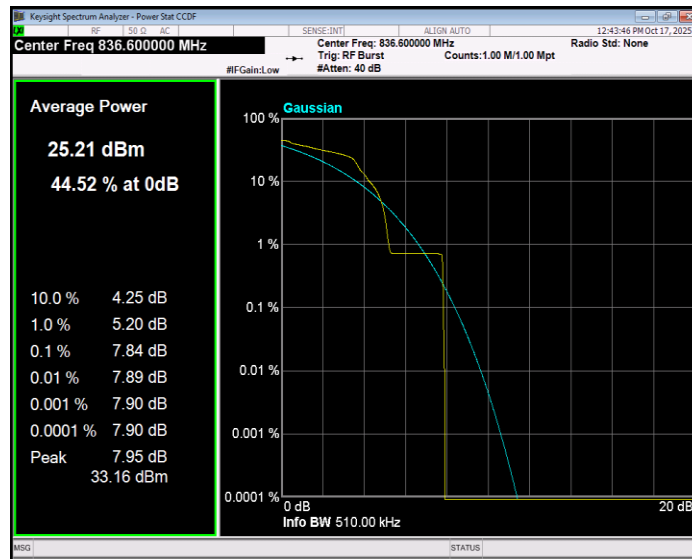
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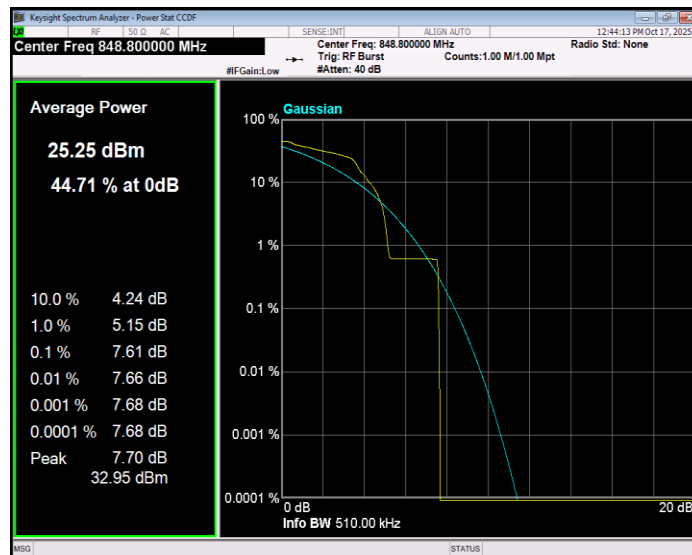


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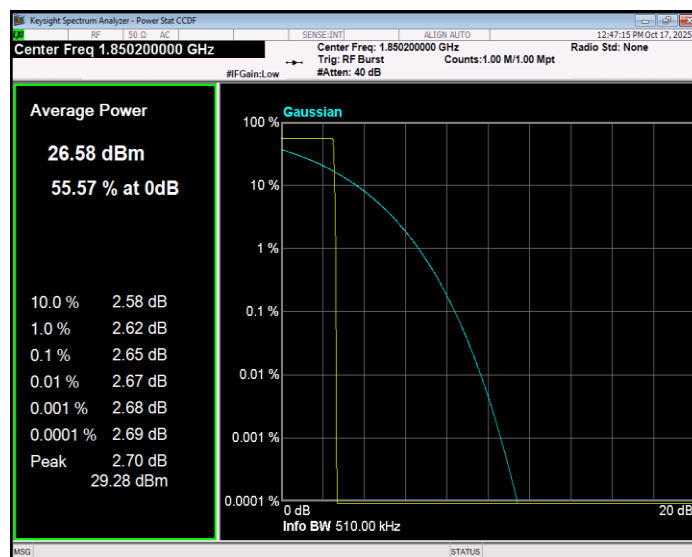
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EGPRS850 Channel=251



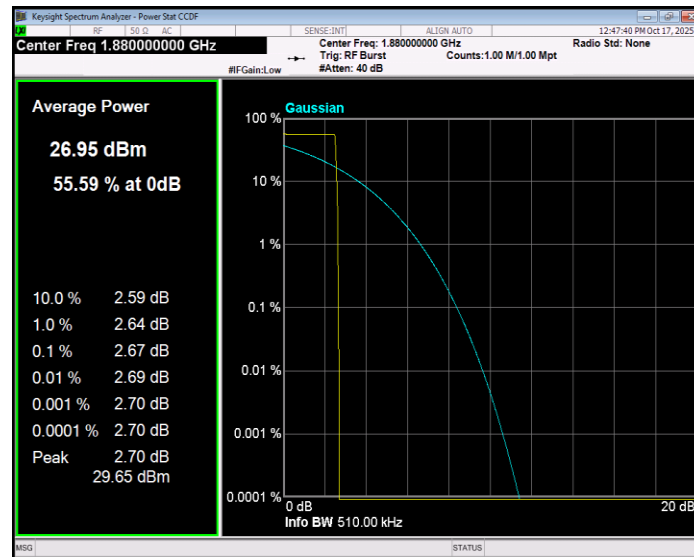
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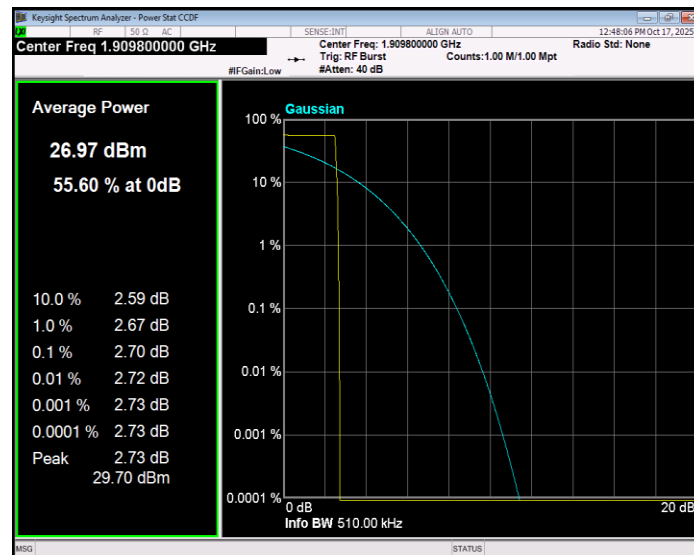


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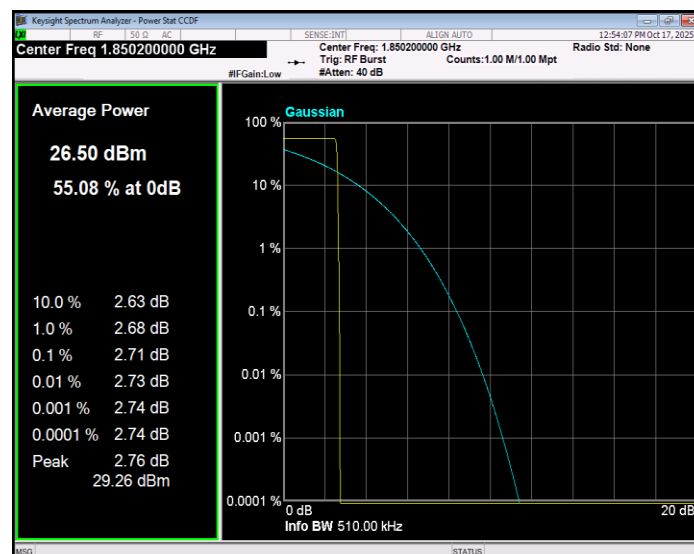
GSM1900 Channel=661



GSM1900 Channel=810



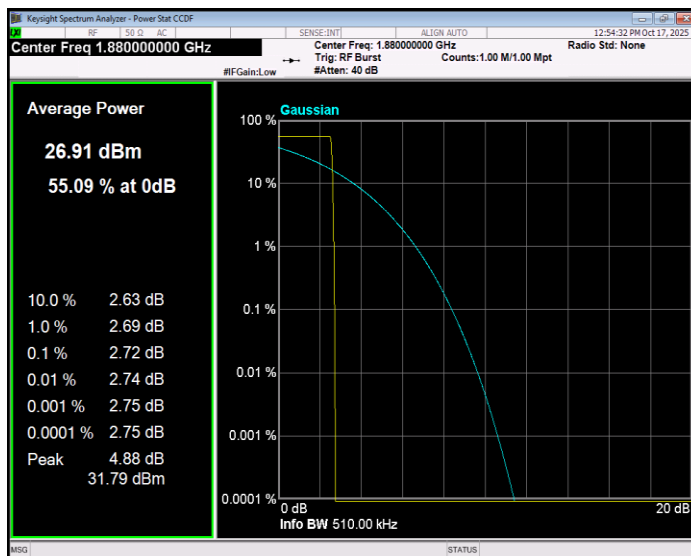
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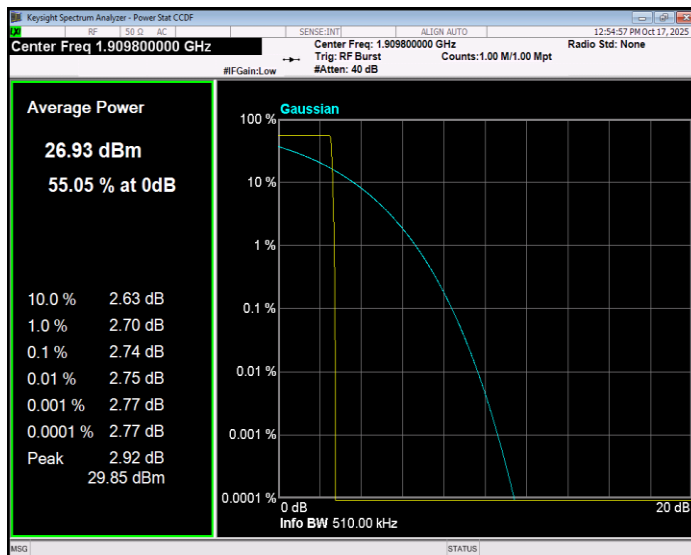


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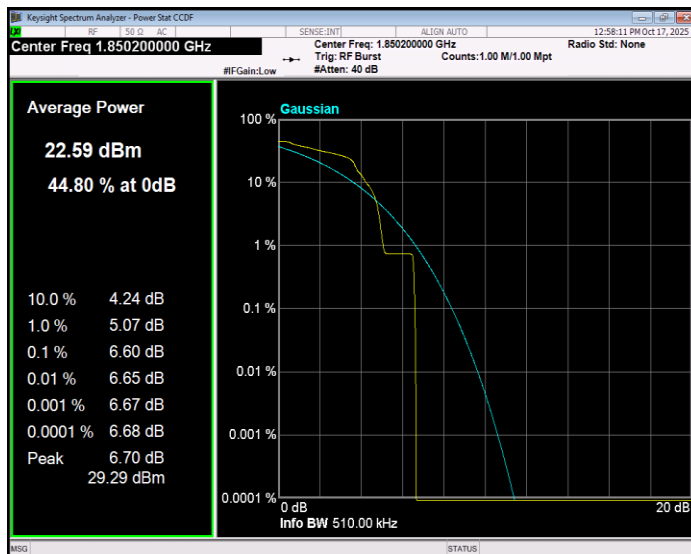
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GPRS1900 Channel=810



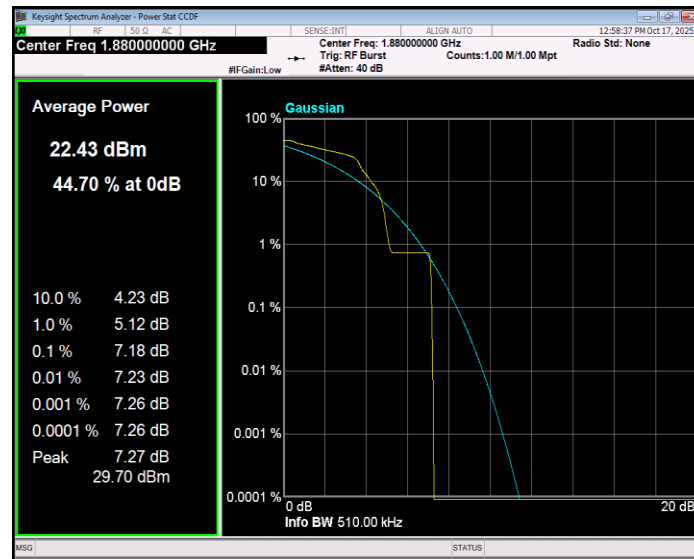
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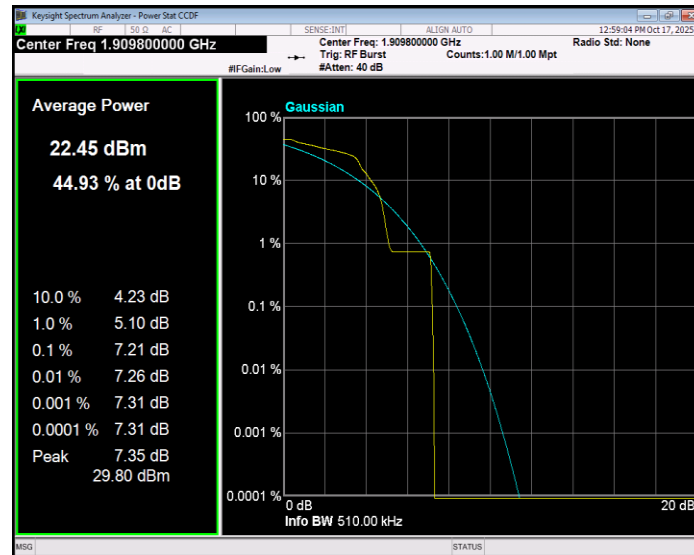


Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810



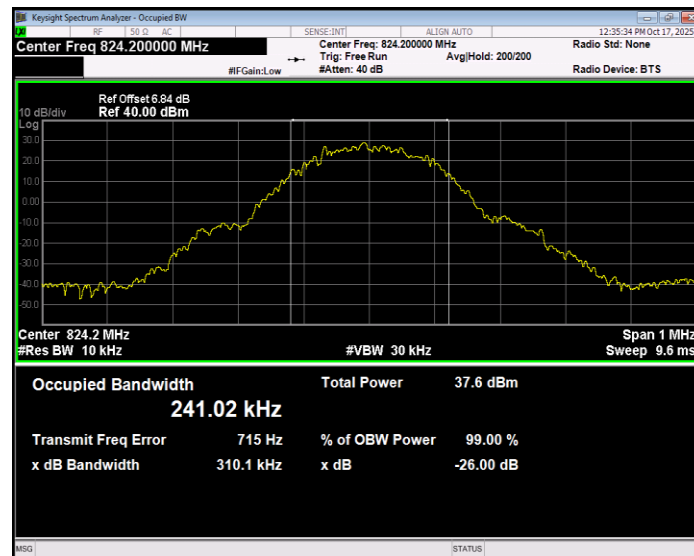


Report

Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM850	128	824.2	241.017	310.143	PASS
GSM850	190	836.6	241.334	314.903	PASS
GSM850	251	848.8	245.883	316.830	PASS
GPRS850	128	824.2	247.284	313.027	PASS
GPRS850	190	836.6	249.149	309.892	PASS
GPRS850	251	848.8	247.202	317.285	PASS
EGPRS850	128	824.2	262.816	325.130	PASS
EGPRS850	190	836.6	254.858	300.441	PASS
EGPRS850	251	848.8	249.896	311.170	PASS
GSM1900	512	1850.2	248.570	317.900	PASS
GSM1900	661	1880	244.168	315.267	PASS
GSM1900	810	1909.8	253.949	324.092	PASS
GPRS1900	512	1850.2	245.294	308.779	PASS
GPRS1900	661	1880	242.473	320.517	PASS
GPRS1900	810	1909.8	246.919	317.970	PASS
EGPRS1900	512	1850.2	252.057	316.462	PASS
EGPRS1900	661	1880	257.023	322.985	PASS
EGPRS1900	810	1909.8	252.919	325.760	PASS

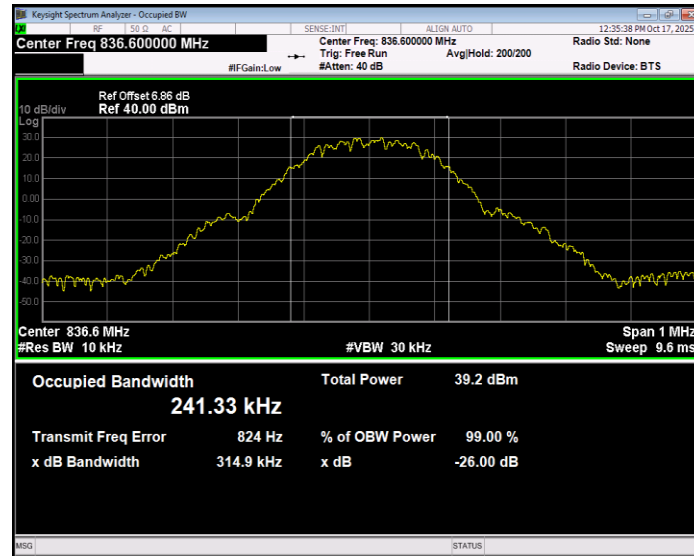
GSM850 Channel=128



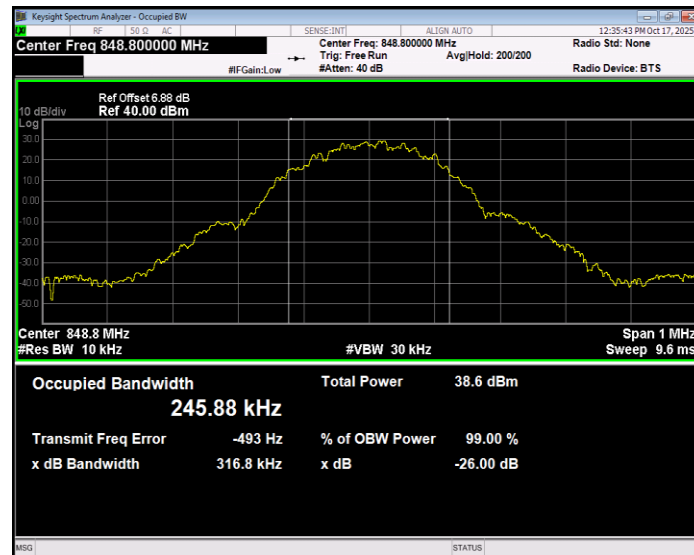
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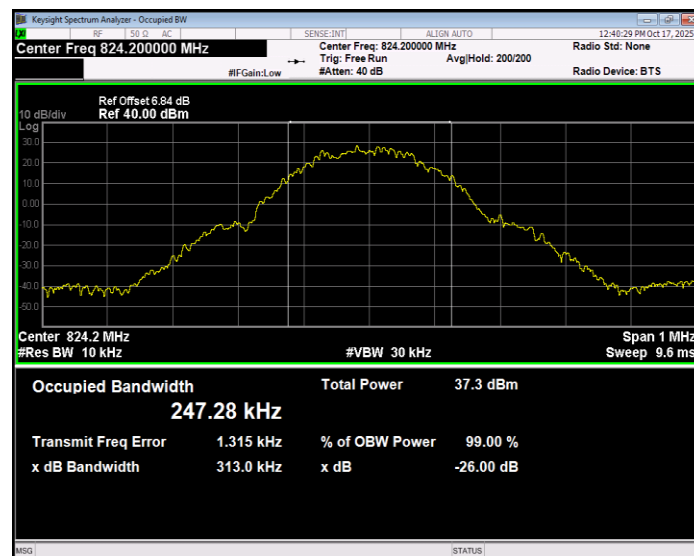
Report



GSM850 Channel=251



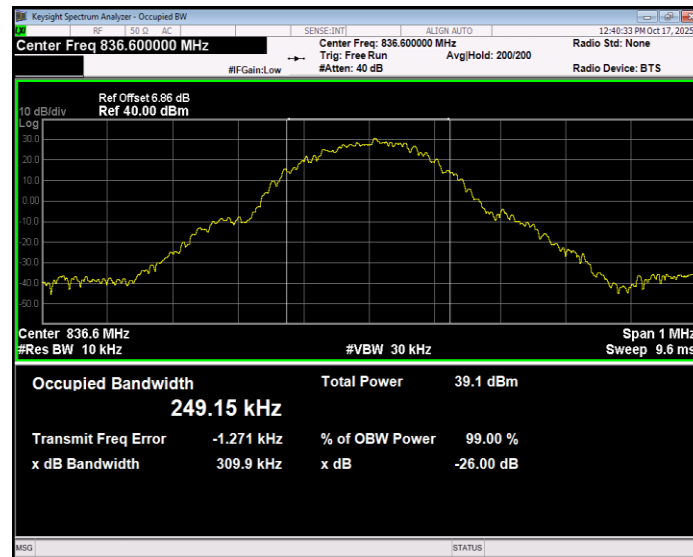
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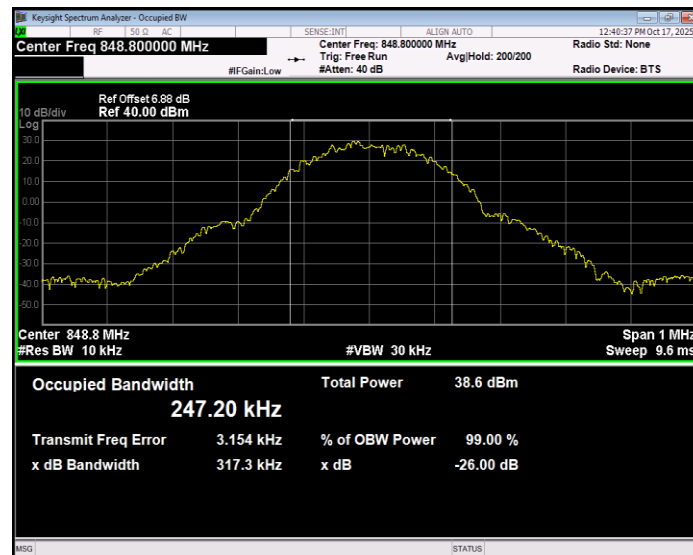


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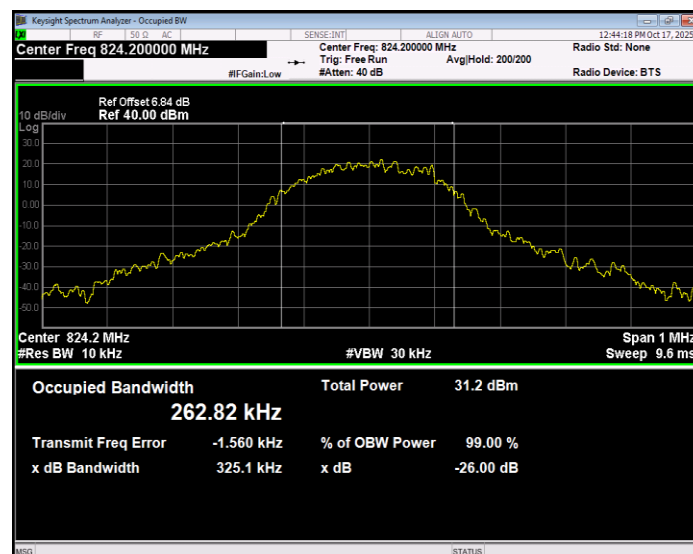
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GPRS850 Channel=251



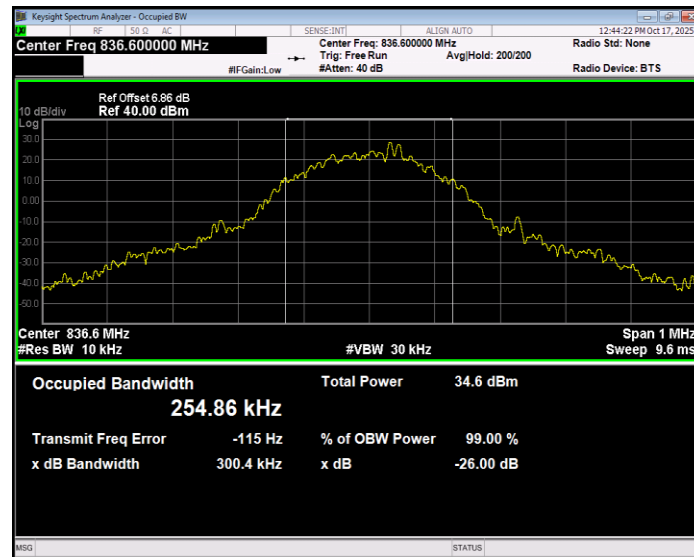
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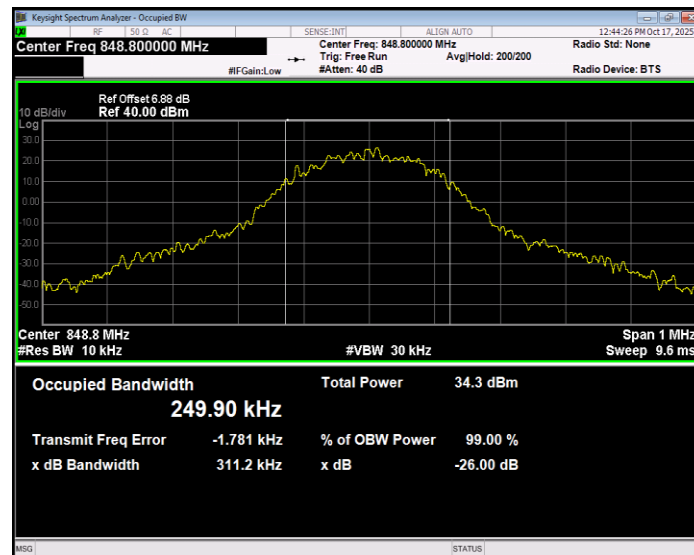


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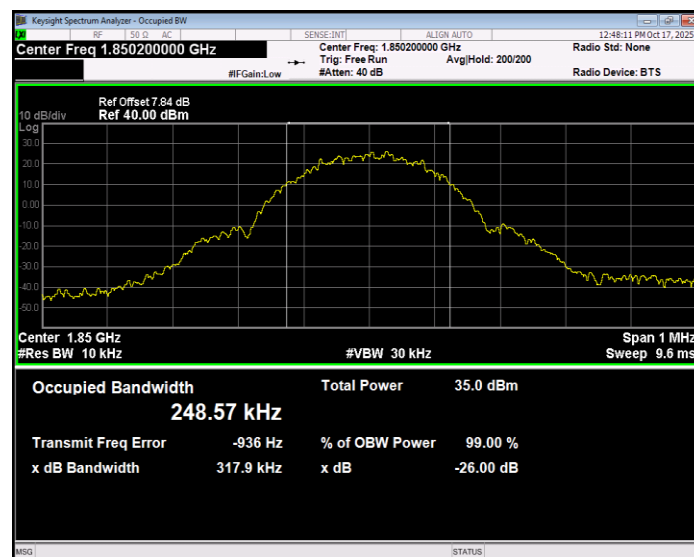
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EGPRS850 Channel=251



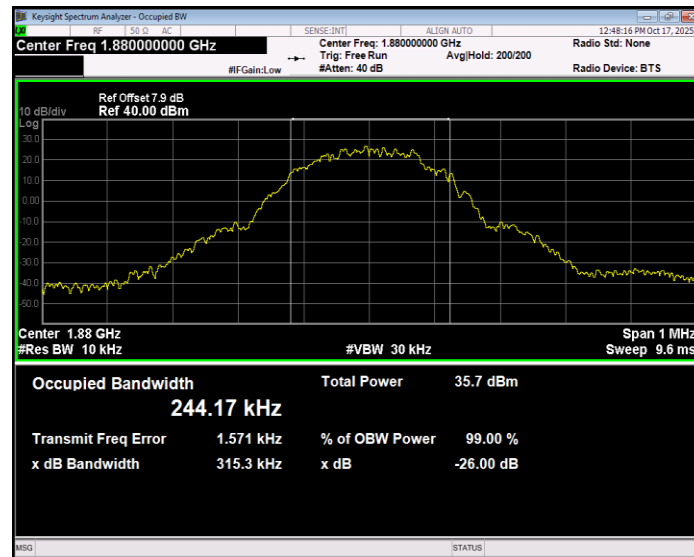
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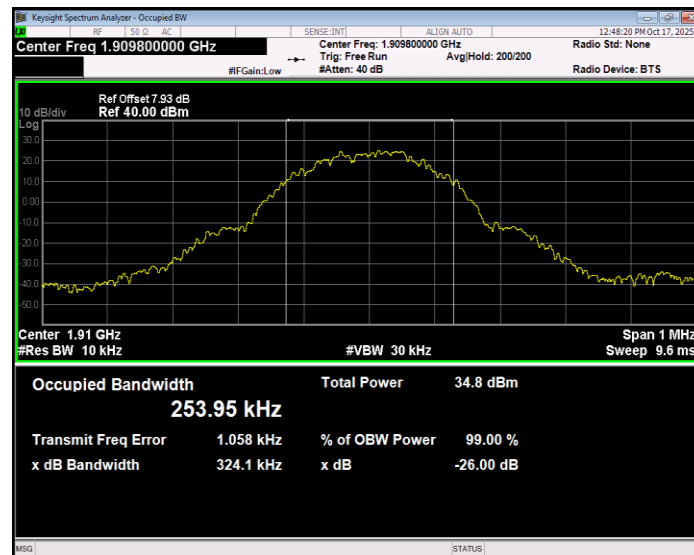


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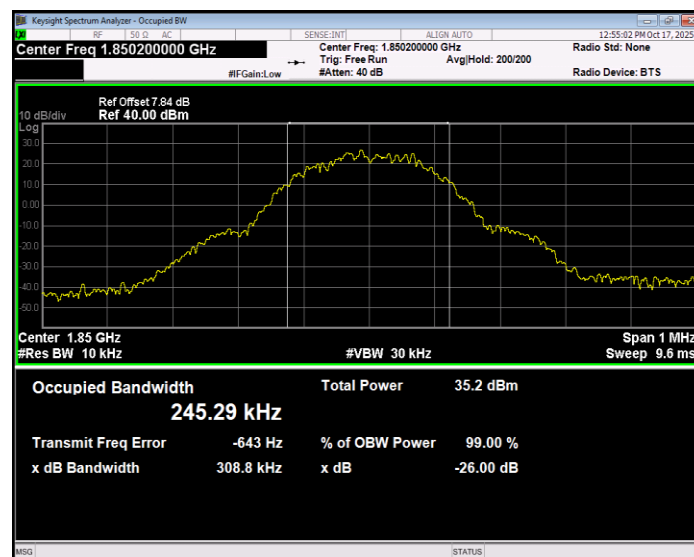
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GSM1900 Channel=810



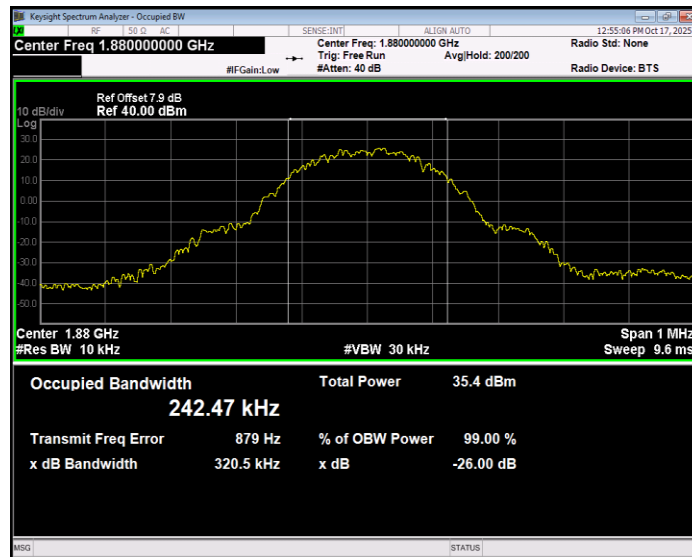
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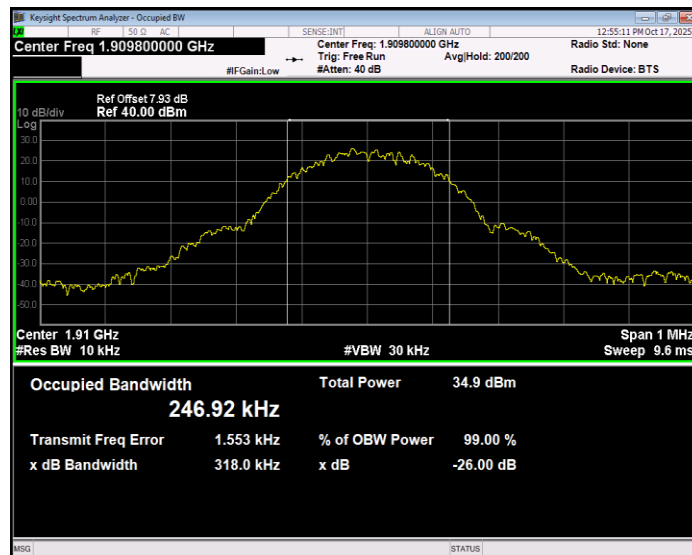


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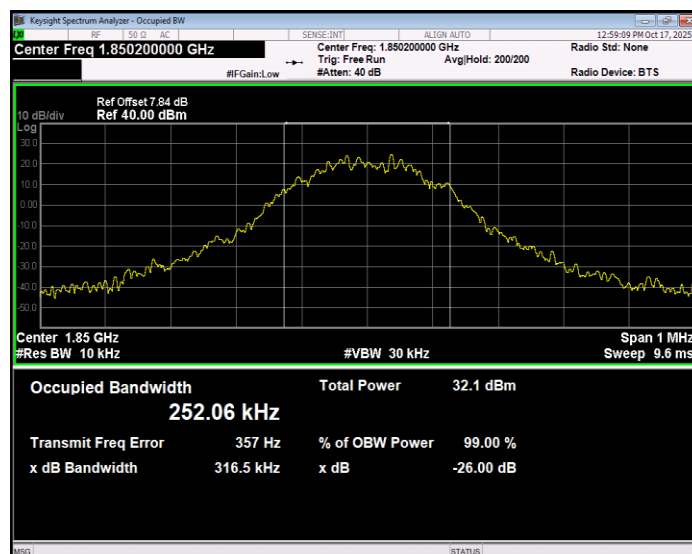
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GPRS1900 Channel=810



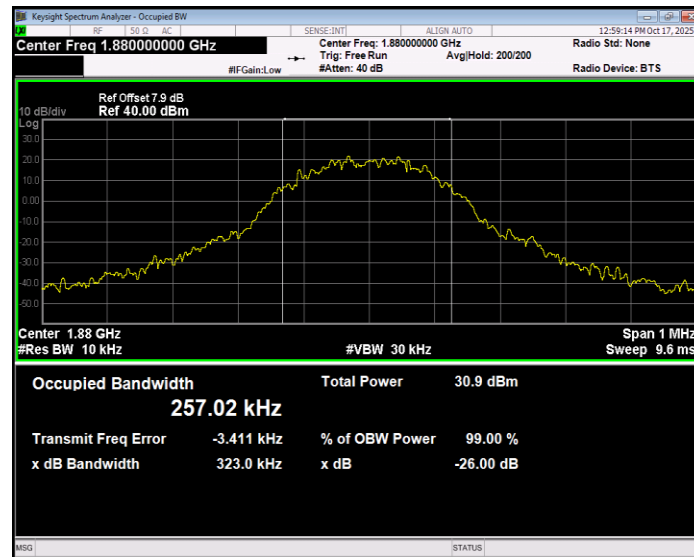
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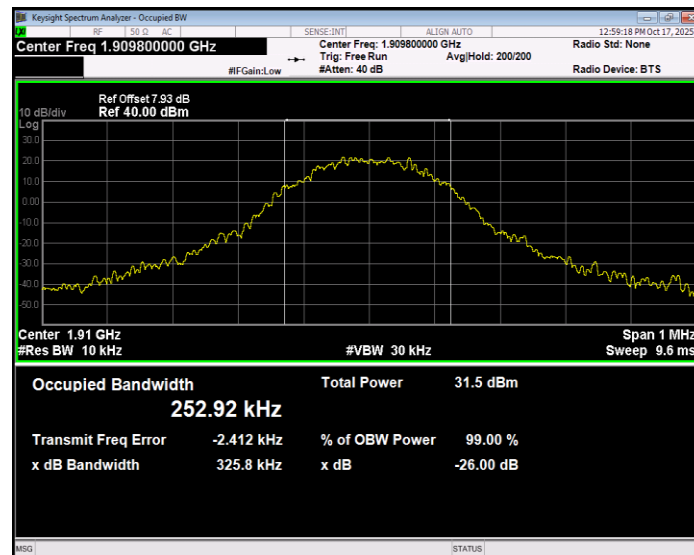


Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810



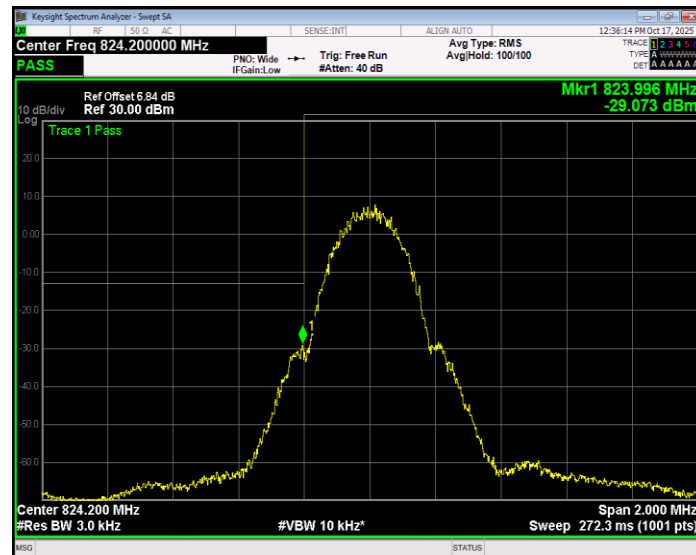


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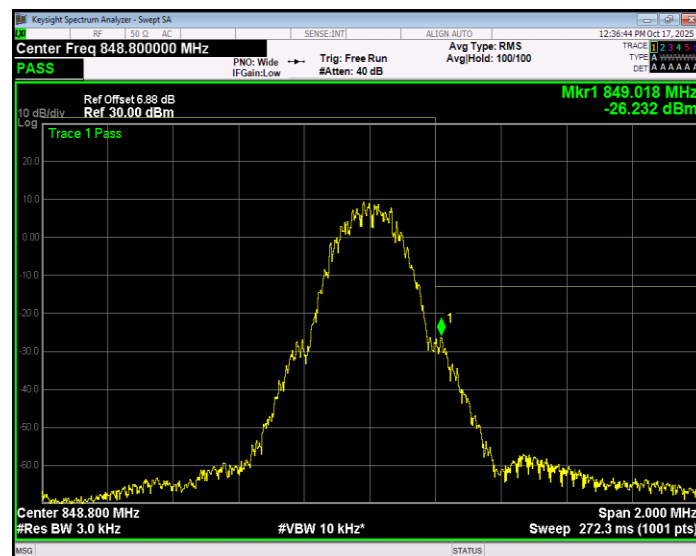
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	824.00	-29.07	-13	PASS
GSM850	251	848.8	849.02	-26.23	-13	PASS
GPRS850	128	824.2	823.98	-27.57	-13	PASS
GPRS850	251	848.8	849.00	-26.59	-13	PASS
EGPRS850	128	824.2	824.00	-34.24	-13	PASS
EGPRS850	251	848.8	849.01	-32.93	-13	PASS
GSM1900	512	1850.2	1850.00	-31.55	-13	PASS
GSM1900	810	1909.8	1910.02	-29.64	-13	PASS
GPRS1900	512	1850.2	1849.98	-29.98	-13	PASS
GPRS1900	810	1909.8	1910.02	-30.63	-13	PASS
EGPRS1900	512	1850.2	1850.00	-35.02	-13	PASS
EGPRS1900	810	1909.8	1910.00	-36.49	-13	PASS

GSM850 Channel=128



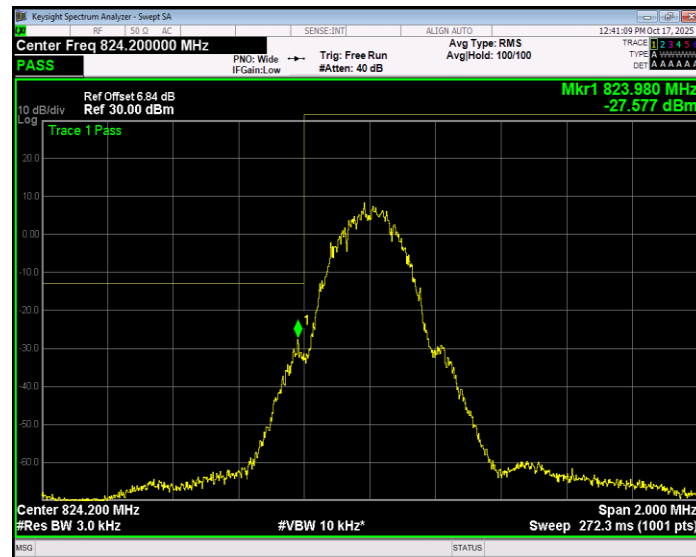
GSM850 Channel=251



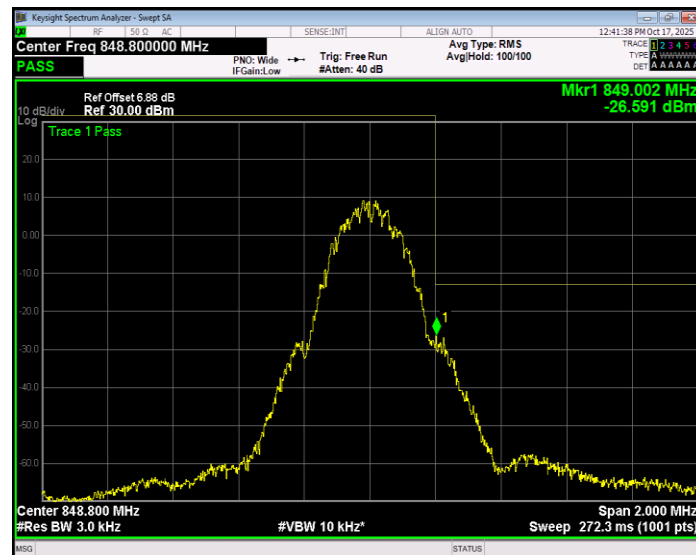


Report

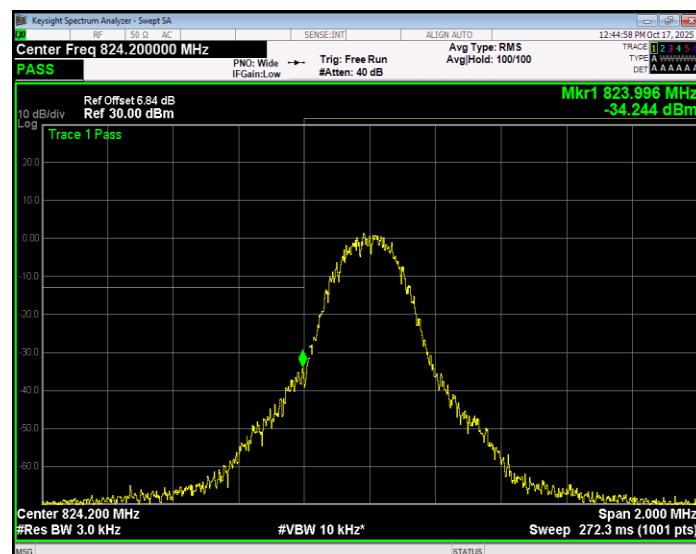
GPRS850 Channel=128



GPRS850 Channel=251



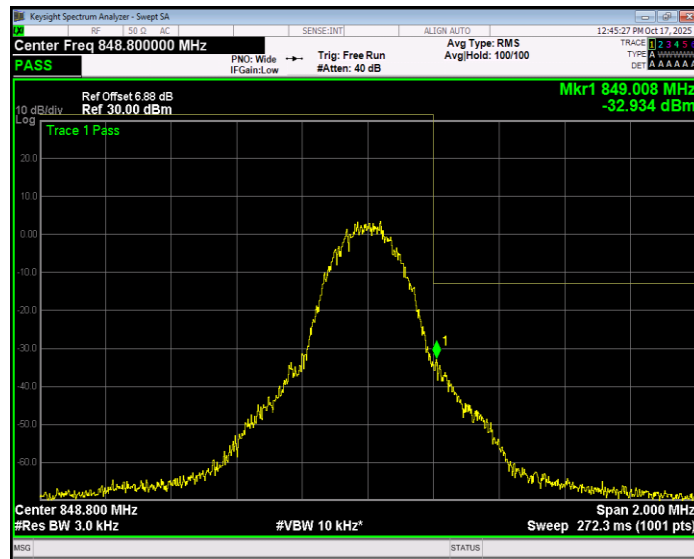
EGPRS850 Channel=128



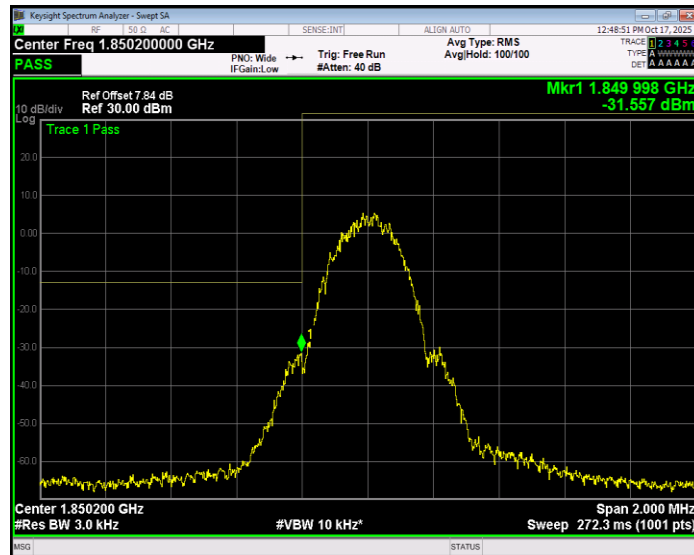


Report

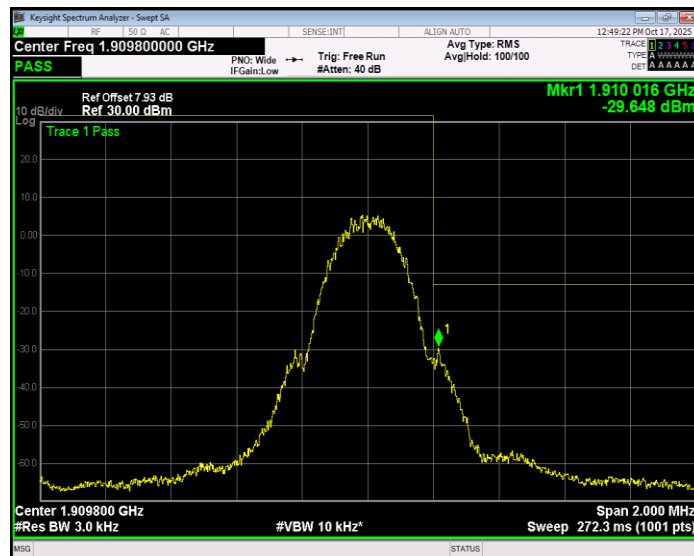
EGPRS850 Channel=251



GSM1900 Channel=512



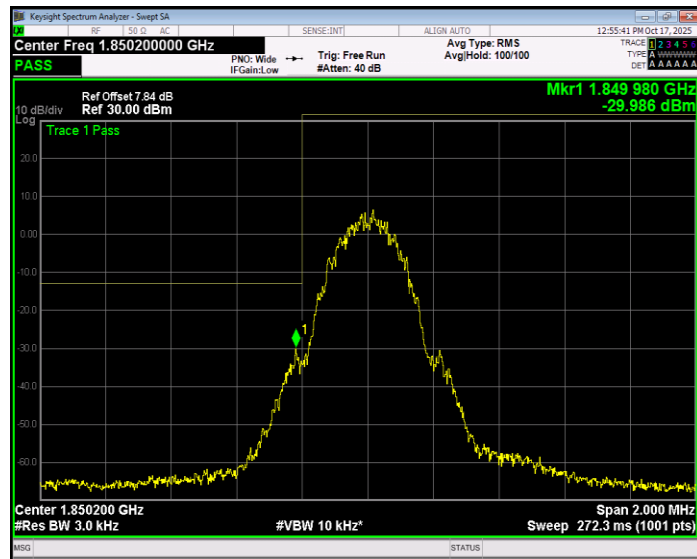
GSM1900 Channel=810



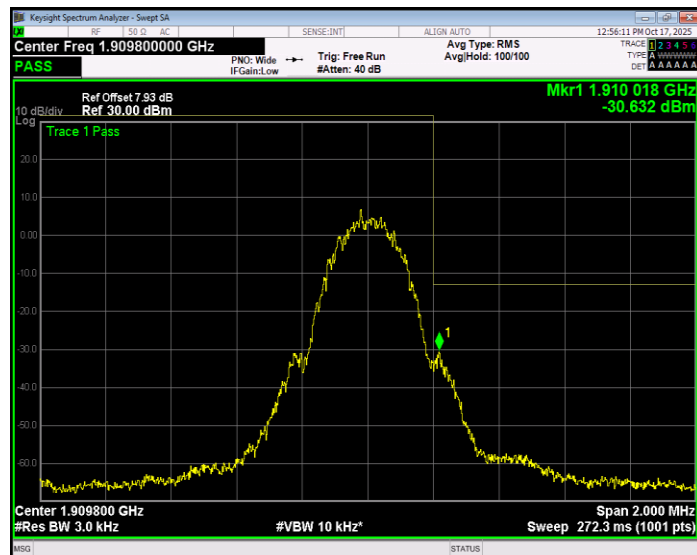


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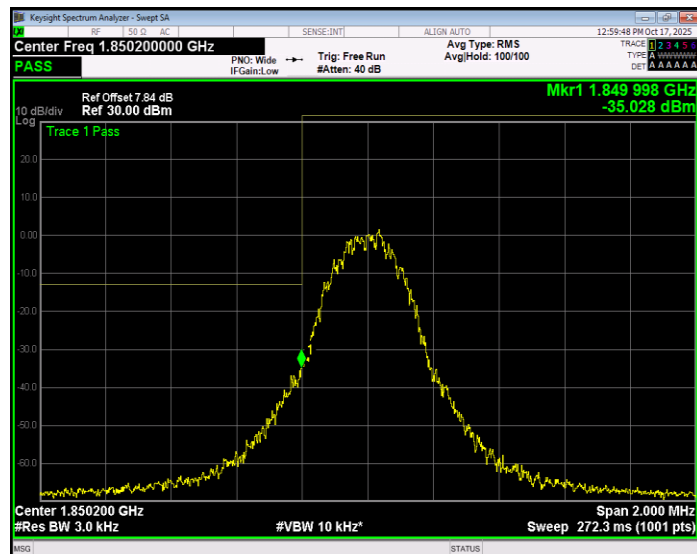
GPRS1900 Channel=512



GPRS1900 Channel=810



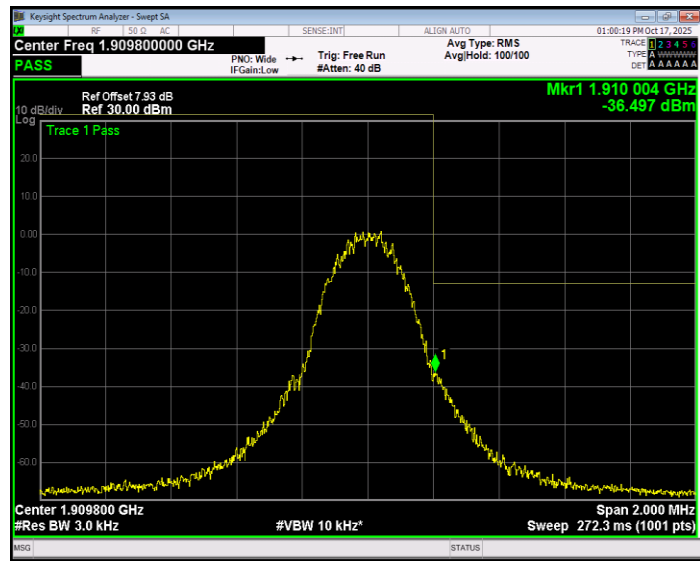
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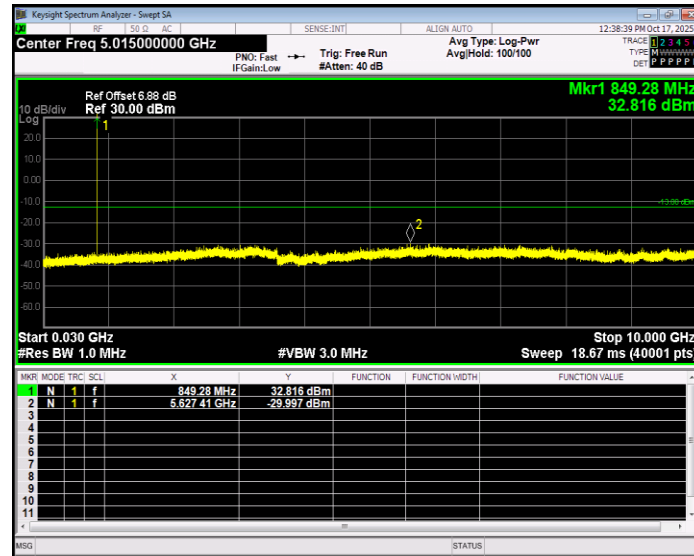
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EGPRS1900 Channel=810

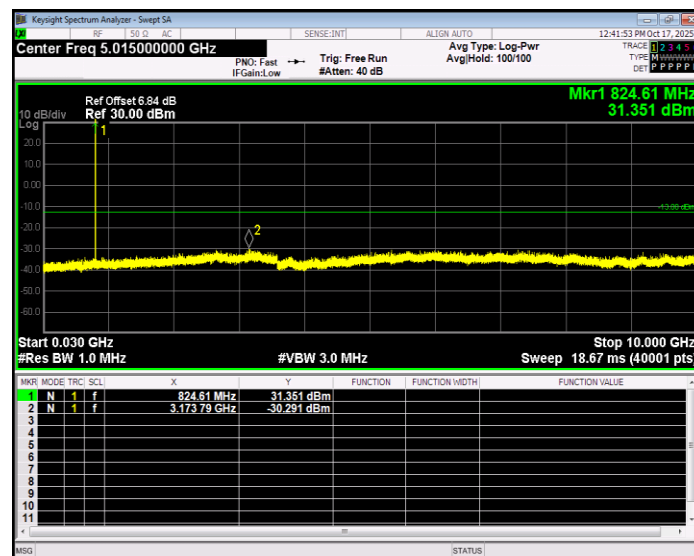




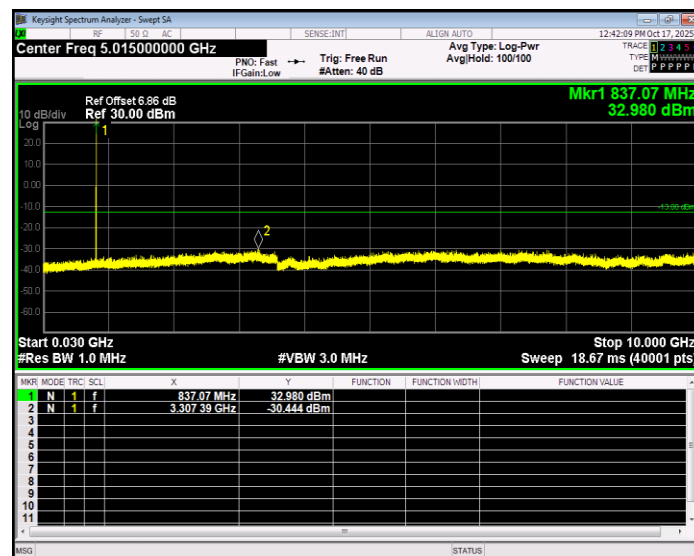
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GPRS850 Channel=128



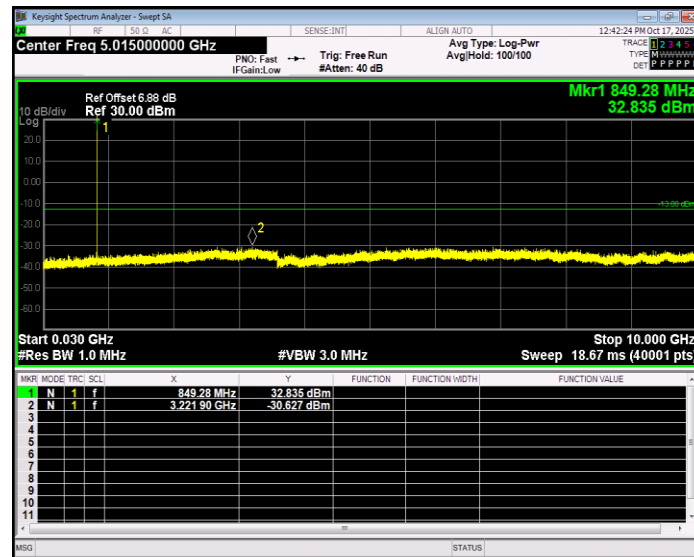
GPRS850 Channel=190



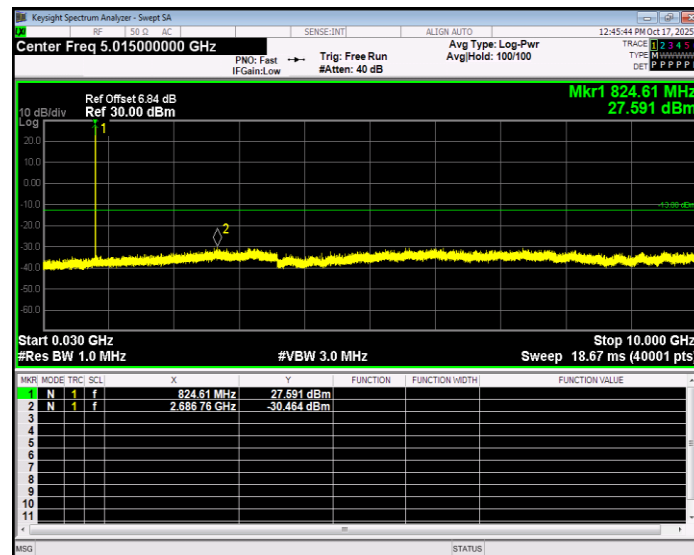


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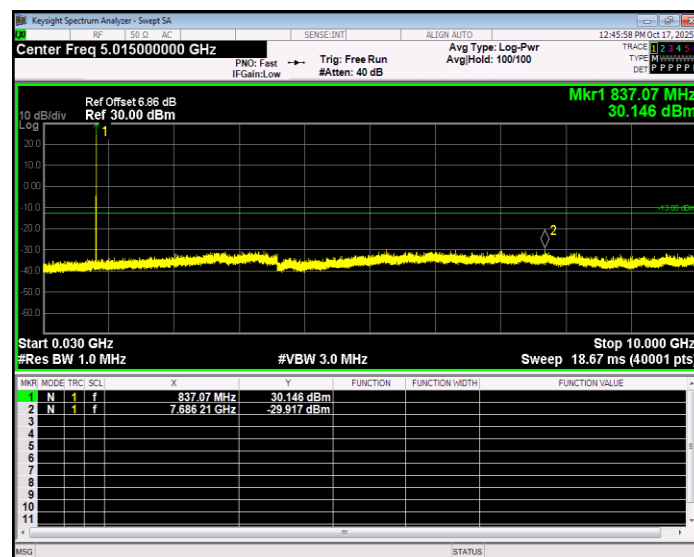
GPRS850 Channel=251



EGPRS850 Channel=128



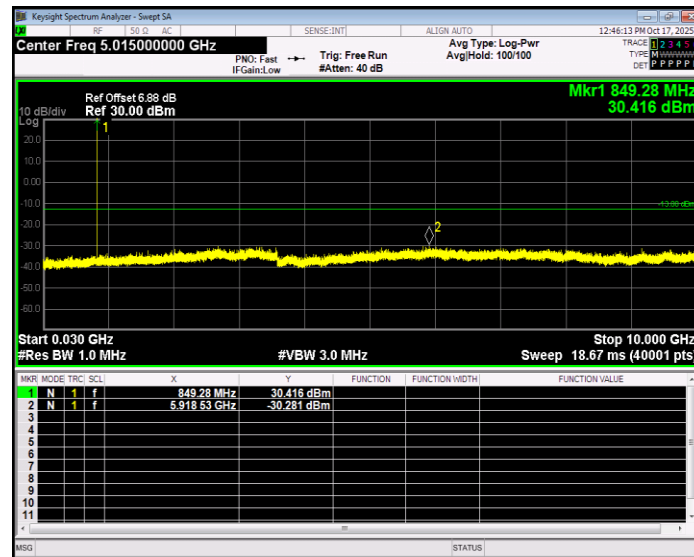
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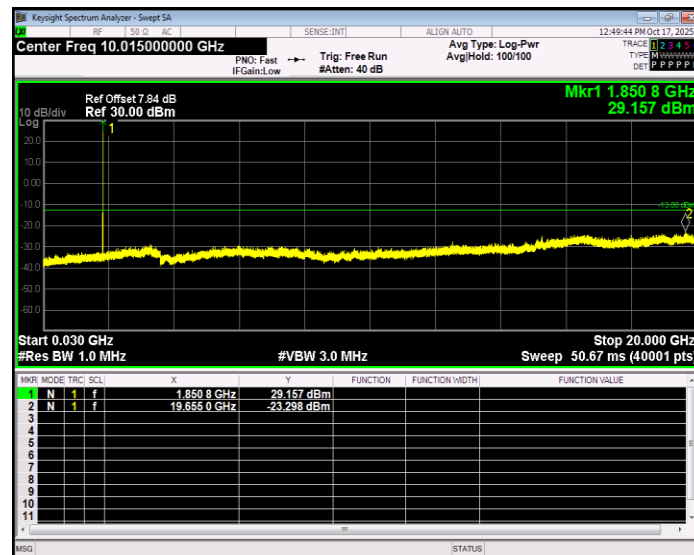


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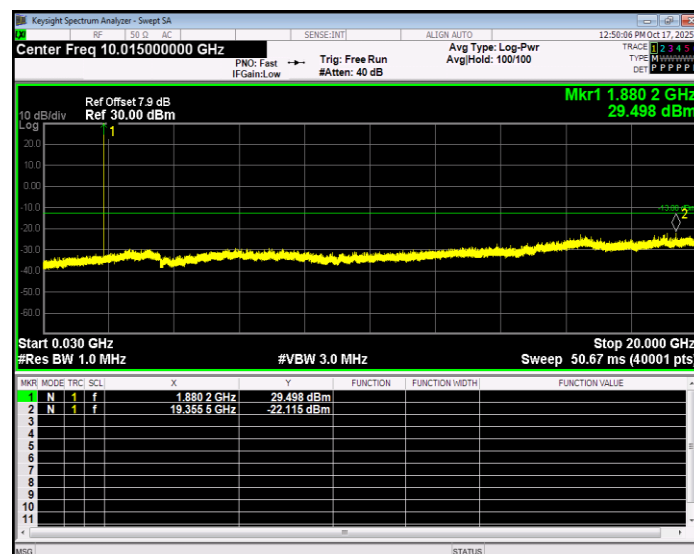
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GSM1900 Channel=512



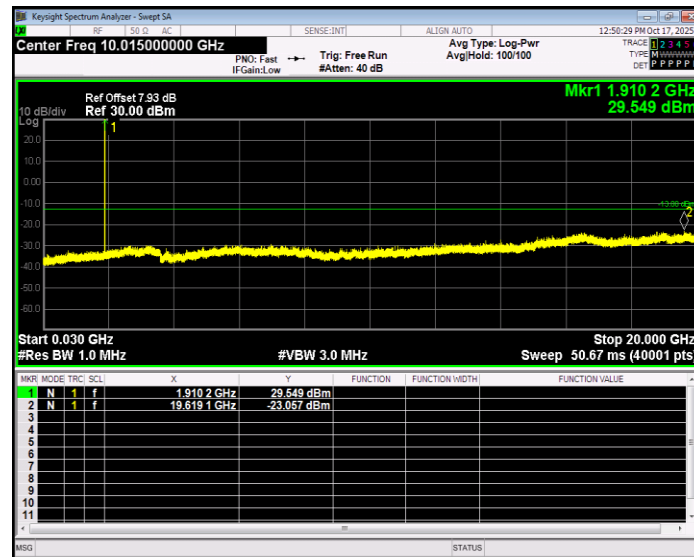
GSM1900 Channel=661



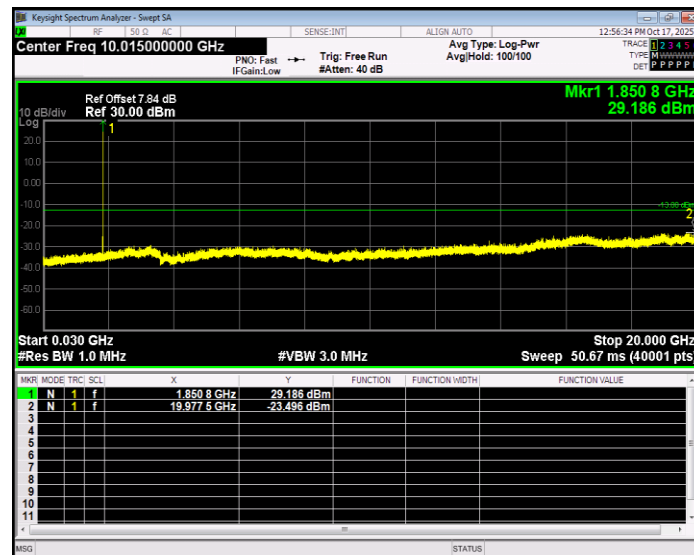


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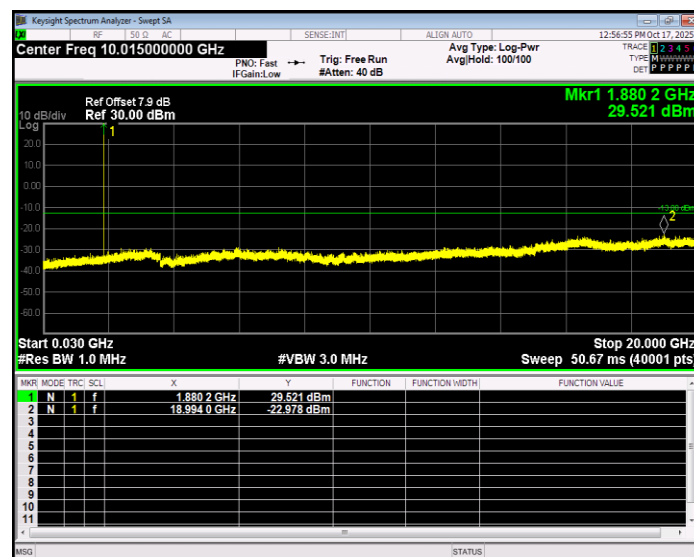
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GPRS1900 Channel=512



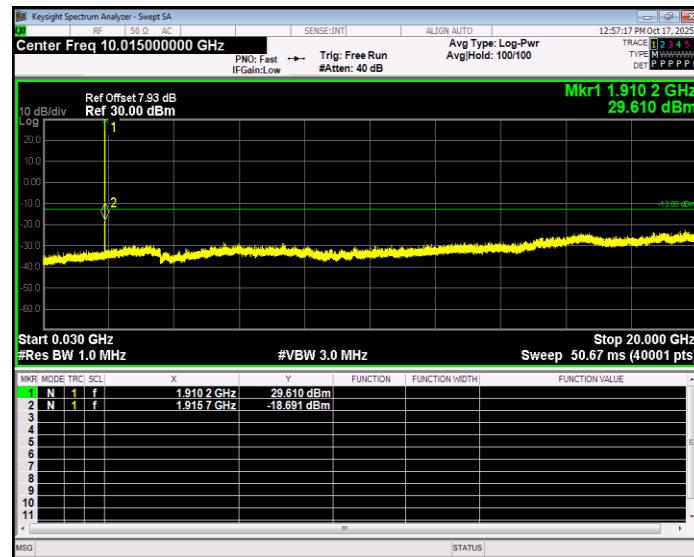
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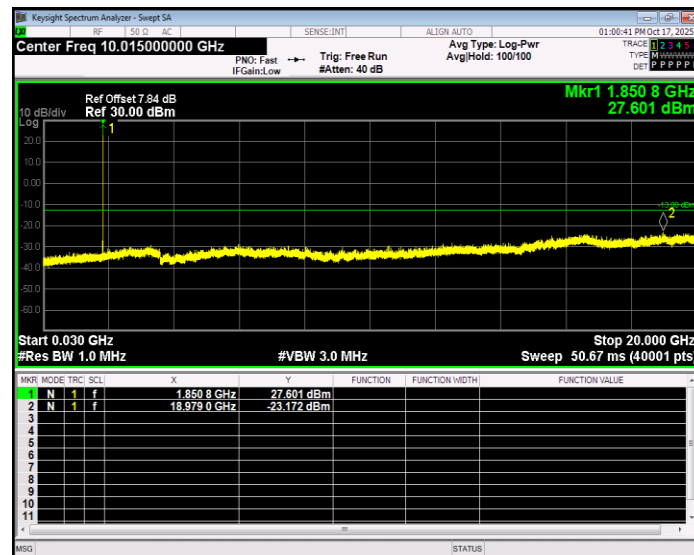


Report

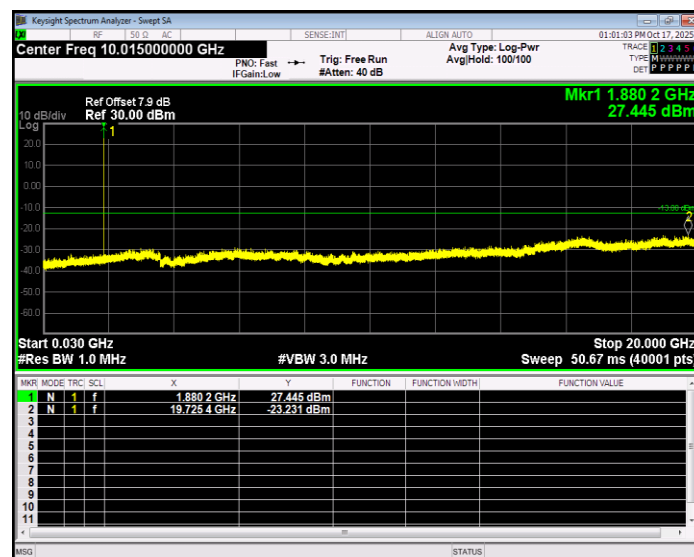
GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810

