



Report

Contents

Band edge.....	2
Conducted output power	2
Frequency stability	4
Occupied bandwidth.....	7
Out-of-band emissions.....	14
Peak-to-Average Ratio.....	26



Report

Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	ERP (dBm)	ERP Limit (dBm)	Verdict
GSM850	128	824.2	23.37	-2.65	18.57	38.45	PASS
GSM850	190	836.6	23.43	-2.65	18.63	38.45	PASS
GSM850	251	848.8	22.93	-2.65	18.13	38.45	PASS
EGPRS850 1 Slot	128	824.2	27.77	-2.65	22.97	38.45	PASS
EGPRS850 1 Slot	190	836.6	27.68	-2.65	22.88	38.45	PASS
EGPRS850 1 Slot	251	848.8	27.34	-2.65	22.54	38.45	PASS
EGPRS850 2 Slot	128	824.2	26.43	-2.65	21.63	38.45	PASS
EGPRS850 2 Slot	190	836.6	26.65	-2.65	21.85	38.45	PASS
EGPRS850 2 Slot	251	848.8	26.69	-2.65	21.89	38.45	PASS
EGPRS850 3 Slot	128	824.2	24.33	-2.65	19.53	38.45	PASS
EGPRS850 3 Slot	190	836.6	24.64	-2.65	19.84	38.45	PASS
EGPRS850 3 Slot	251	848.8	24.14	-2.65	19.34	38.45	PASS
EGPRS850 4 Slot	128	824.2	23.58	-2.65	18.78	38.45	PASS
EGPRS850 4 Slot	190	836.6	22.98	-2.65	18.18	38.45	PASS
EGPRS850 4 Slot	251	848.8	23.47	-2.65	18.67	38.45	PASS



Report

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
GSM1900	512	1850.2	29.94	0.28	30.22	33.01	PASS
GSM1900	661	1880	29.69	0.28	29.97	33.01	PASS
GSM1900	810	1909.8	29.73	0.28	30.01	33.01	PASS
GPRS1900 1 Slot	512	1850.2	29.95	0.28	30.23	33.01	PASS
GPRS1900 1 Slot	661	1880	29.70	0.28	29.98	33.01	PASS
GPRS1900 1 Slot	810	1909.8	29.75	0.28	30.03	33.01	PASS
GPRS1900 2 Slot	512	1850.2	29.15	0.28	29.43	33.01	PASS
GPRS1900 2 Slot	661	1880	28.88	0.28	29.16	33.01	PASS
GPRS1900 2 Slot	810	1909.8	28.95	0.28	29.23	33.01	PASS
GPRS1900 3 Slot	512	1850.2	27.09	0.28	27.37	33.01	PASS
GPRS1900 3 Slot	661	1880	26.85	0.28	27.13	33.01	PASS
GPRS1900 3 Slot	810	1909.8	26.90	0.28	27.18	33.01	PASS
GPRS1900 4 Slot	512	1850.2	25.81	0.28	26.09	33.01	PASS
GPRS1900 4 Slot	661	1880	25.52	0.28	25.80	33.01	PASS
GPRS1900 4 Slot	810	1909.8	25.60	0.28	25.88	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	26.42	0.28	26.70	33.01	PASS
EGPRS1900 1 Slot	661	1880	25.96	0.28	26.24	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	25.85	0.28	26.13	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	25.26	0.28	25.54	33.01	PASS
EGPRS1900 2 Slot	661	1880	24.53	0.28	24.81	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	25.01	0.28	25.29	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	23.11	0.28	23.39	33.01	PASS
EGPRS1900 3 Slot	661	1880	22.61	0.28	22.89	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	22.72	0.28	23.00	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	21.50	0.28	21.78	33.01	PASS
EGPRS1900 4 Slot	661	1880	21.24	0.28	21.52	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	21.75	0.28	22.03	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	-1.06	-0.001	2.5ppm	PASS
40		-1.36	-0.002		
30		-1.61	-0.002		
20		-4.36	-0.005		
10		1.07	0.001		
0		1.47	0.002		
-10		1.40	0.002		
-20		1.47	0.002		
-30		-1.55	-0.002		
20	Maximum Voltage	1.41	0.002		
20	BEP	1.30	0.002		

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.88	0.005	2.5ppm	PASS
40		-3.84	-0.005		
30		3.53	0.004		
20		5.81	0.007		
10		-3.88	-0.005		
0		-4.03	-0.005		
-10		3.96	0.005		
-20		-3.85	-0.005		
-30		3.54	0.004		
20	Maximum Voltage	-3.95	-0.005		
20	BEP	3.86	0.005		



Report

EGPRS 850 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	4.60	0.006	2.5ppm	PASS
40		-4.63	-0.006		
30		-4.27	-0.005		
20		7.14	0.009		
10		4.12	0.005		
0		-4.28	-0.005		
-10		4.18	0.005		
-20		-4.51	-0.005		
-30		-4.31	-0.005		
20	Maximum Voltage	-4.13	-0.005		
20	BEP	4.37	0.005		

GSM 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	4.96	0.003	Within Authorized Band	PASS
40		4.89	0.003		
30		-4.46	-0.002		
20		7.85	0.004		
10		4.91	0.003		
0		-4.51	-0.002		
-10		4.51	0.002		
-20		-4.69	-0.002		
-30		4.77	0.003		
20	Maximum Voltage	-4.55	-0.002		
20	BEP	4.84	0.003		



Report

GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	5.54	0.003	Within Authorized Band	PASS
40		-5.24	-0.003		
30		-5.32	-0.003		
20		9.17	0.005		
10		-5.48	-0.003		
0		5.56	0.003		
-10		-5.32	-0.003		
-20		5.35	0.003		
-30		-5.36	-0.003		
20	Maximum Voltage	-5.41	-0.003		
20	BEP	-5.18	-0.003		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	4.11	0.002	Within Authorized Band	PASS
40		-4.20	-0.002		
30		-3.98	-0.002		
20		6.91	0.004		
10		4.47	0.002		
0		-4.32	-0.002		
-10		-4.49	-0.002		
-20		4.04	0.002		
-30		-4.50	-0.002		
20	Maximum Voltage	-4.39	-0.002		
20	BEP	-4.55	-0.002		

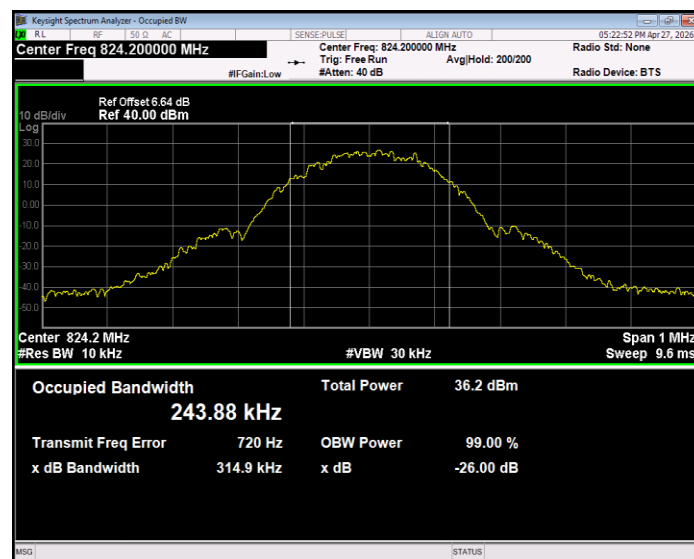


Report

Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM850	128	824.2	243.883	314.874	PASS
GSM850	190	836.6	249.785	321.200	PASS
GSM850	251	848.8	240.022	305.395	PASS
GPRS850	128	824.2	240.926	318.006	PASS
GPRS850	190	836.6	242.140	299.033	PASS
GPRS850	251	848.8	245.772	311.891	PASS
EGPRS850	128	824.2	245.129	311.676	PASS
EGPRS850	190	836.6	232.228	279.492	PASS
EGPRS850	251	848.8	247.305	309.819	PASS
GSM1900	512	1850.2	243.044	319.479	PASS
GSM1900	661	1880	245.147	315.002	PASS
GSM1900	810	1909.8	245.223	315.396	PASS
GPRS1900	512	1850.2	245.054	311.276	PASS
GPRS1900	661	1880	243.613	314.797	PASS
GPRS1900	810	1909.8	247.905	312.527	PASS
EGPRS1900	512	1850.2	248.242	325.505	PASS
EGPRS1900	661	1880	243.275	308.569	PASS
EGPRS1900	810	1909.8	239.167	304.386	PASS

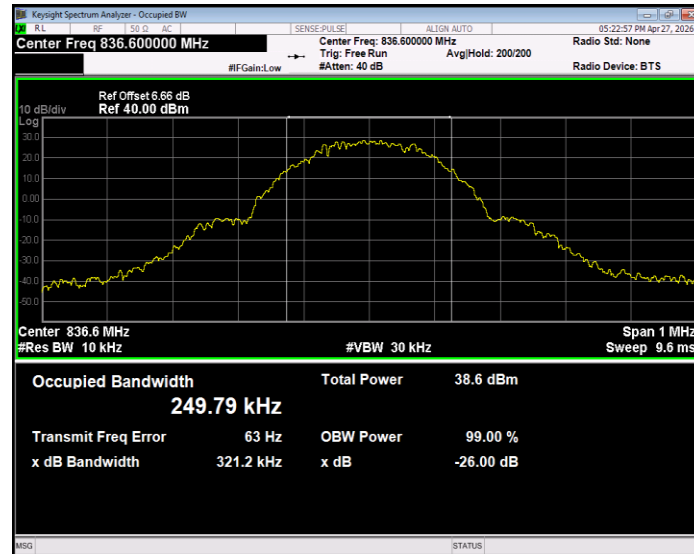
GSM850 Channel=128



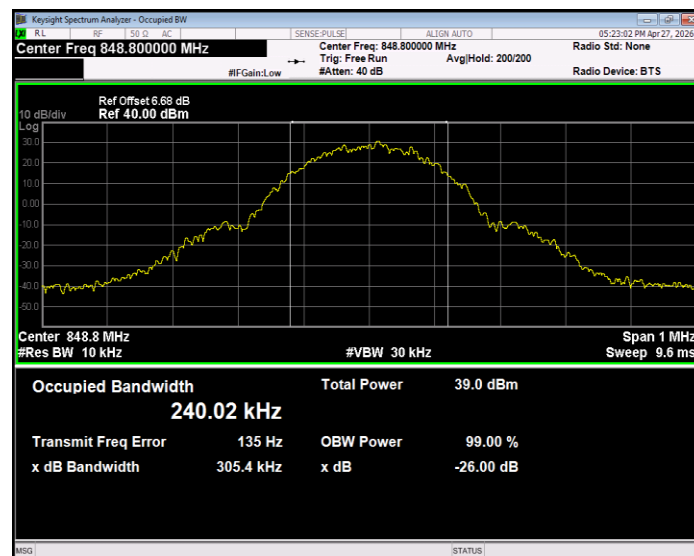
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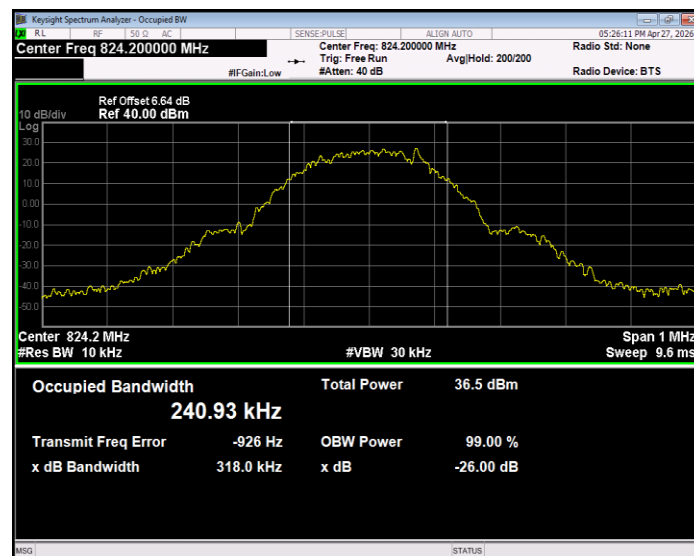
Report



GSM850 Channel=251



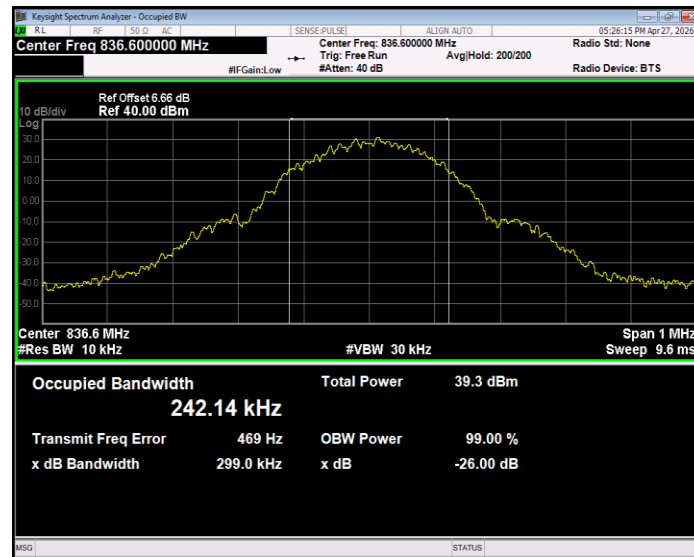
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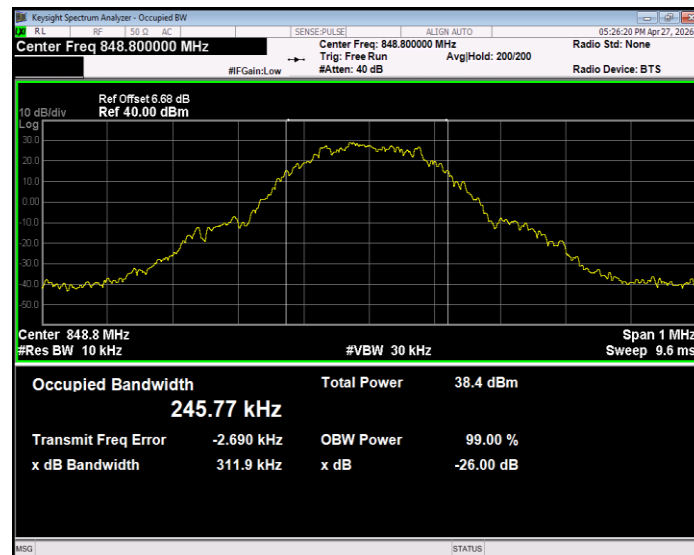


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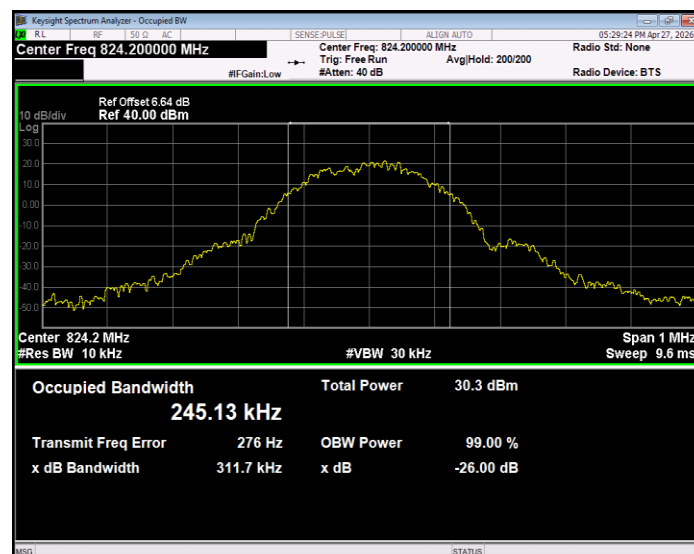
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GPRS850 Channel=251



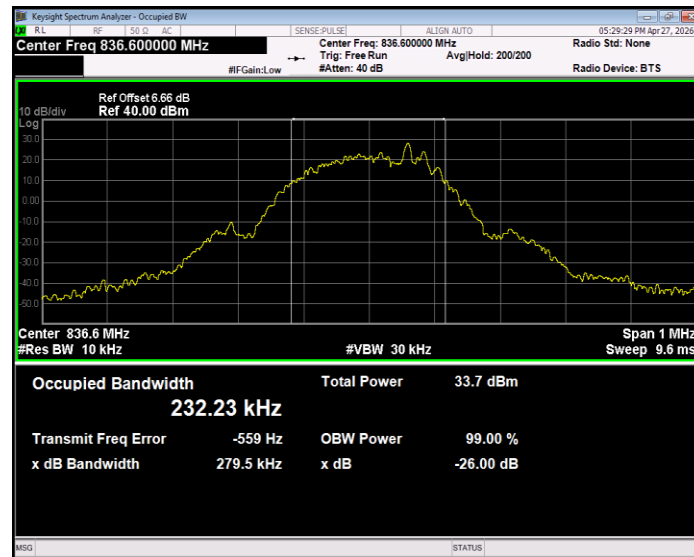
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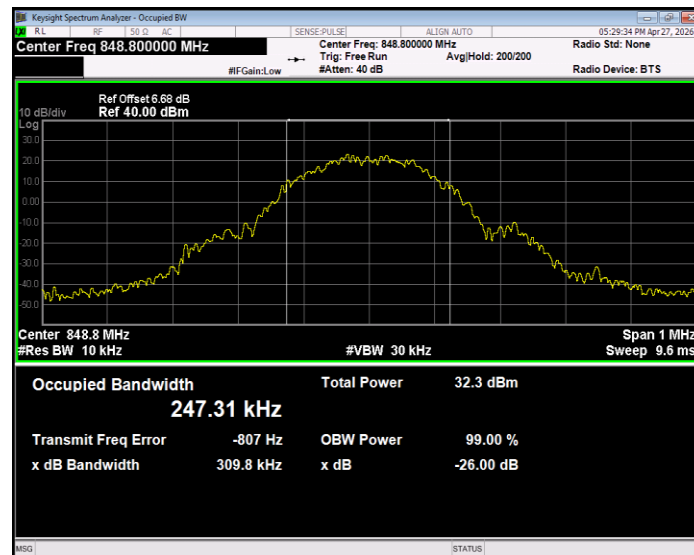


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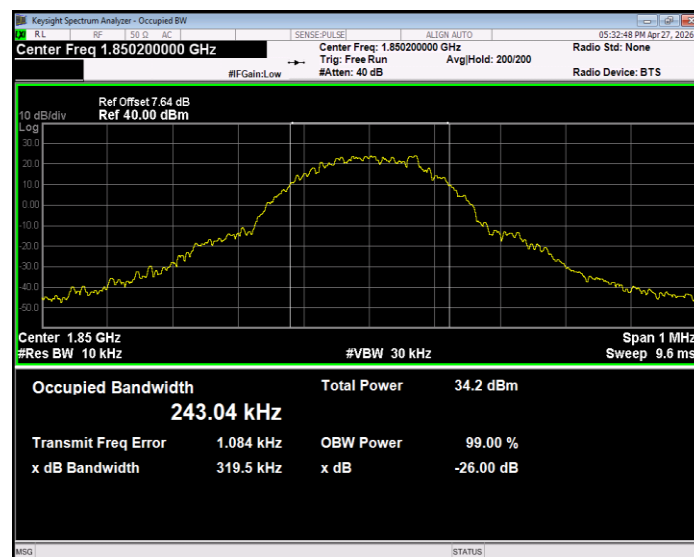
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EGPRS850 Channel=251



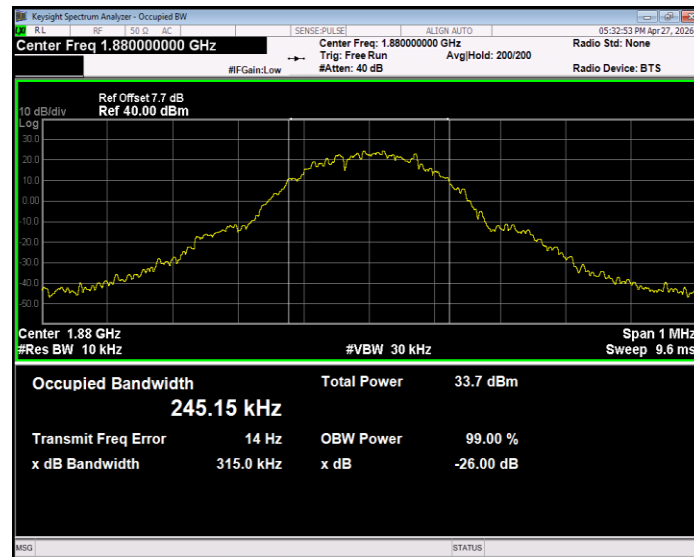
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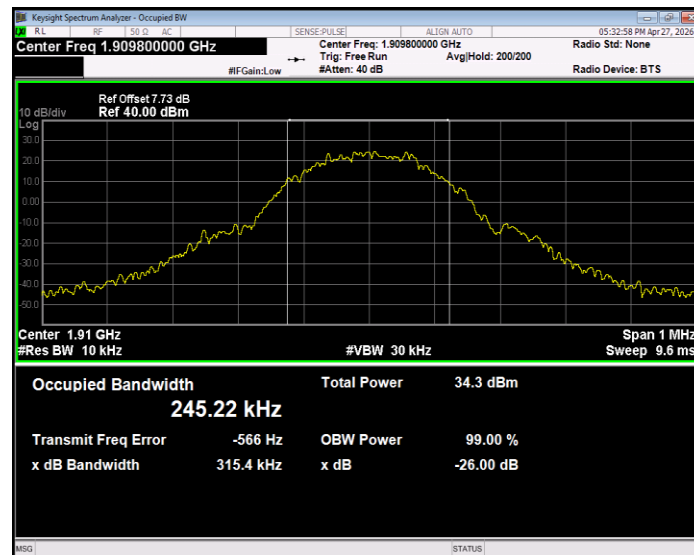


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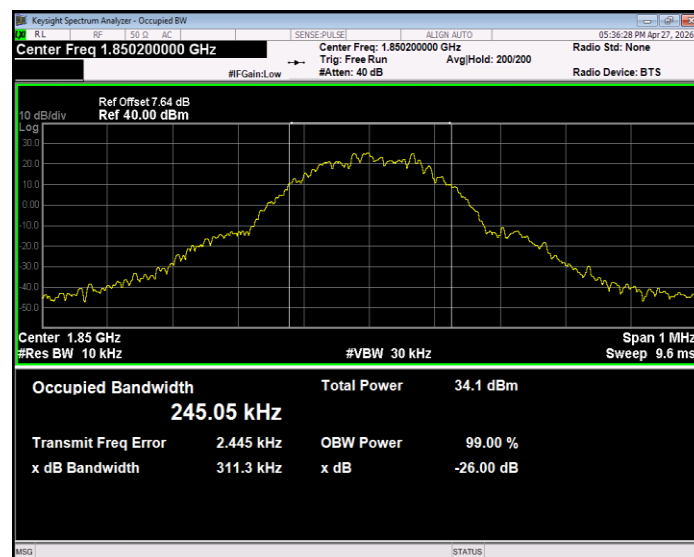
GSM1900 Channel=661



GSM1900 Channel=810



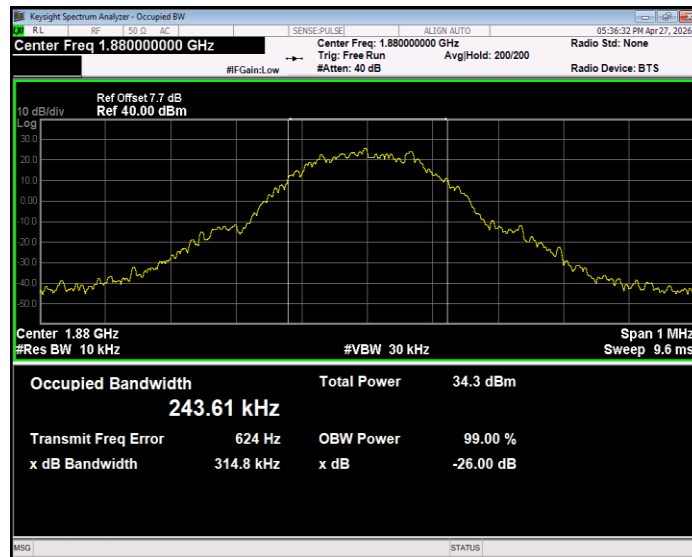
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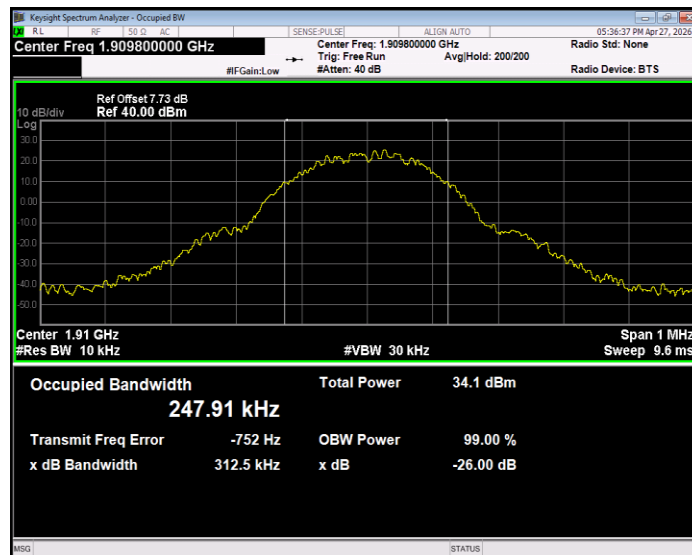


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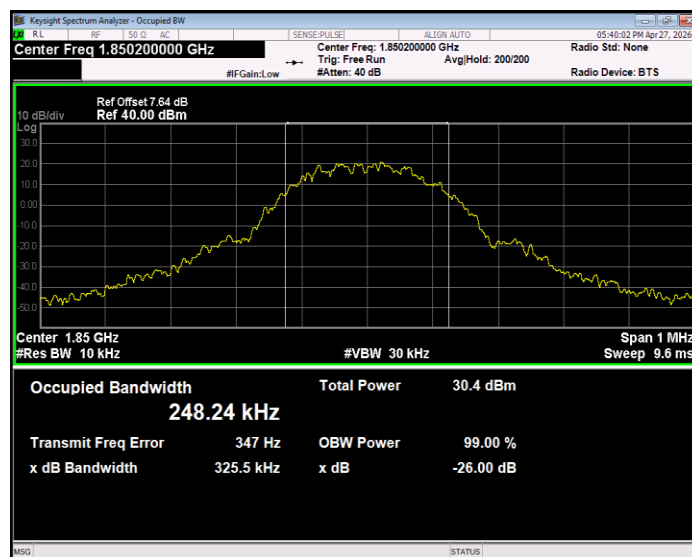
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GPRS1900 Channel=810



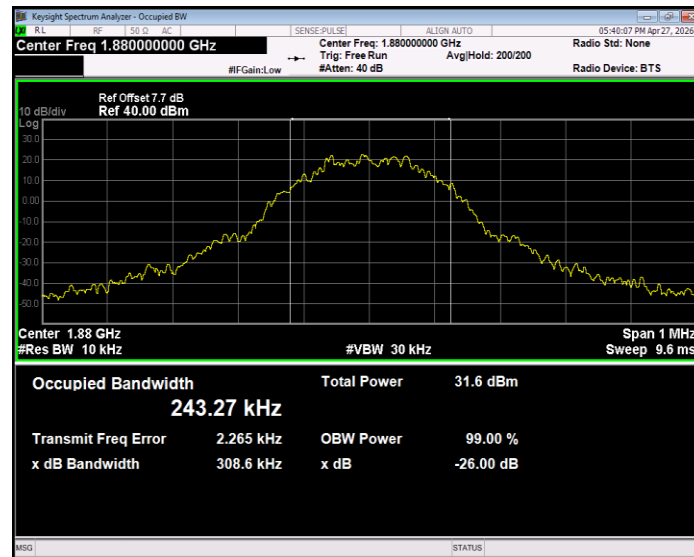
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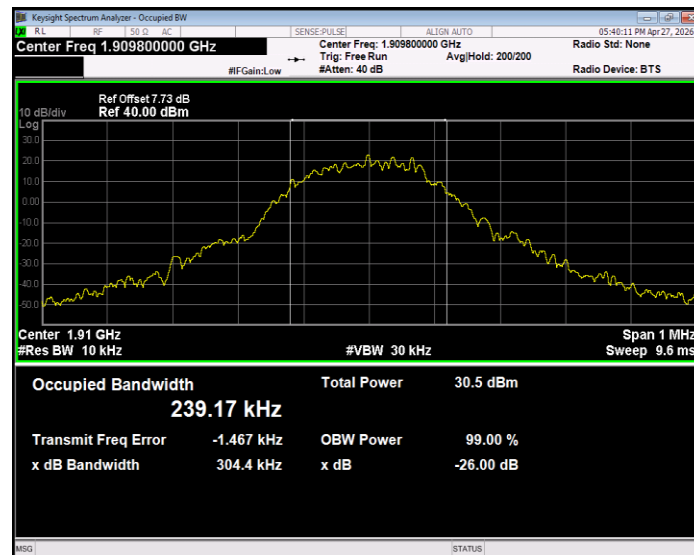


Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810



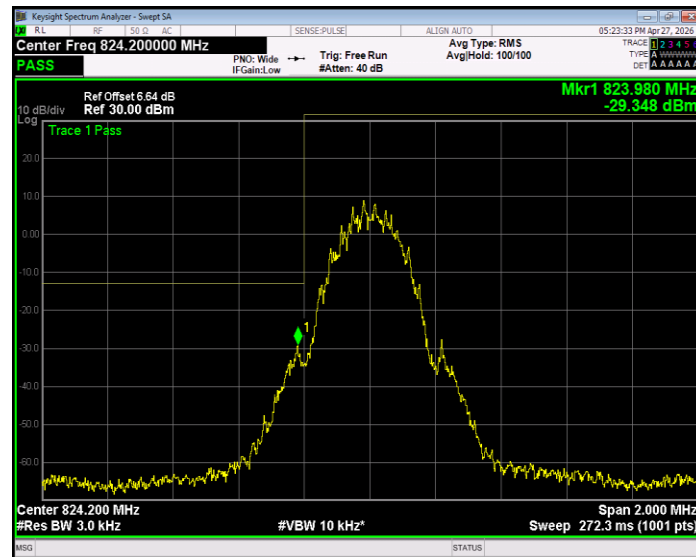


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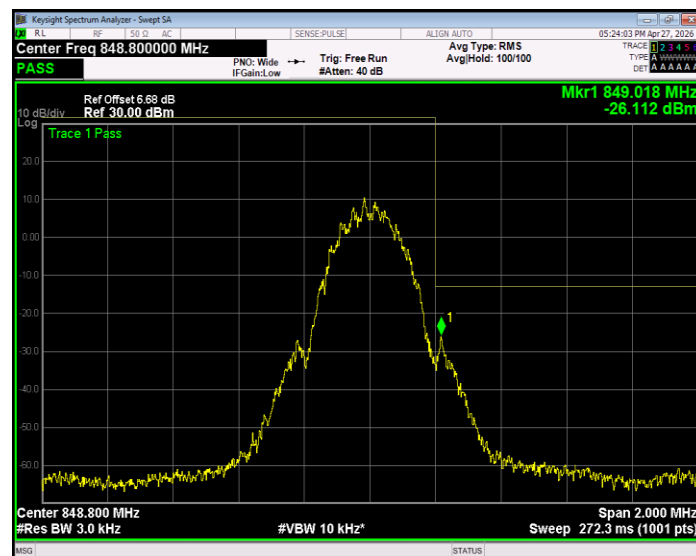
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	823.98	-29.34	-13	PASS
GSM850	251	848.8	849.02	-26.11	-13	PASS
GPRS850	128	824.2	823.98	-30.61	-13	PASS
GPRS850	251	848.8	849.02	-26.51	-13	PASS
EGPRS850	128	824.2	823.99	-36.65	-13	PASS
EGPRS850	251	848.8	849.00	-34.94	-13	PASS
GSM1900	512	1850.2	1849.98	-32.03	-13	PASS
GSM1900	810	1909.8	1910.02	-31.18	-13	PASS
GPRS1900	512	1850.2	1849.99	-33.28	-13	PASS
GPRS1900	810	1909.8	1910.03	-31.96	-13	PASS
EGPRS1900	512	1850.2	1849.99	-36.84	-13	PASS
EGPRS1900	810	1909.8	1910.00	-36.55	-13	PASS

GSM850 Channel=128



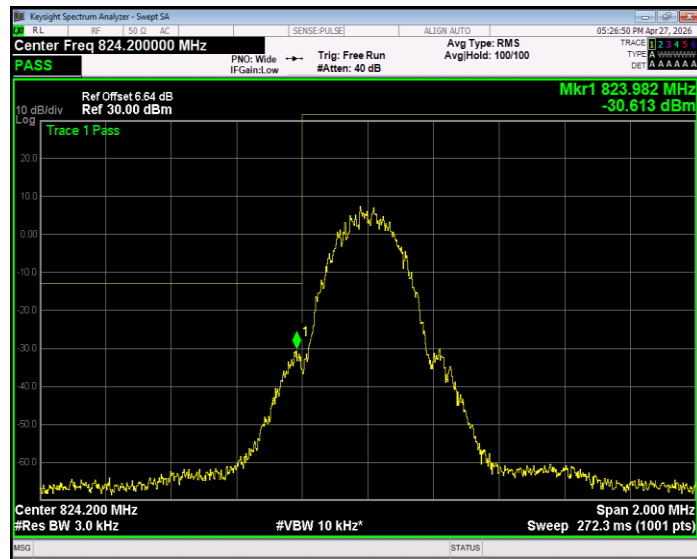
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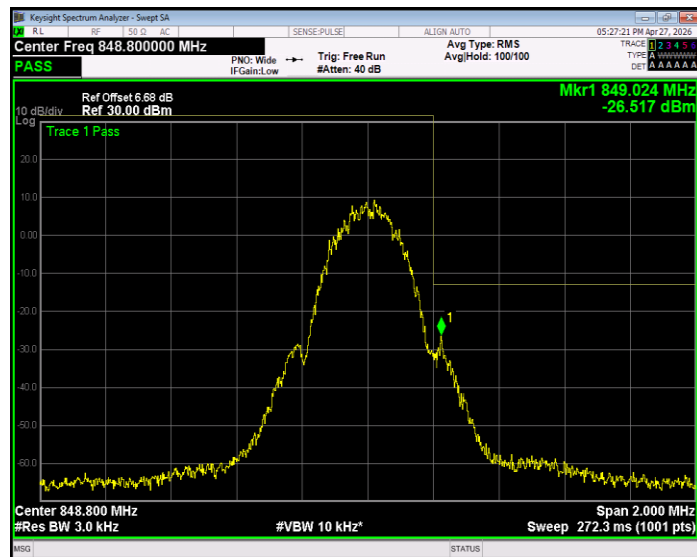


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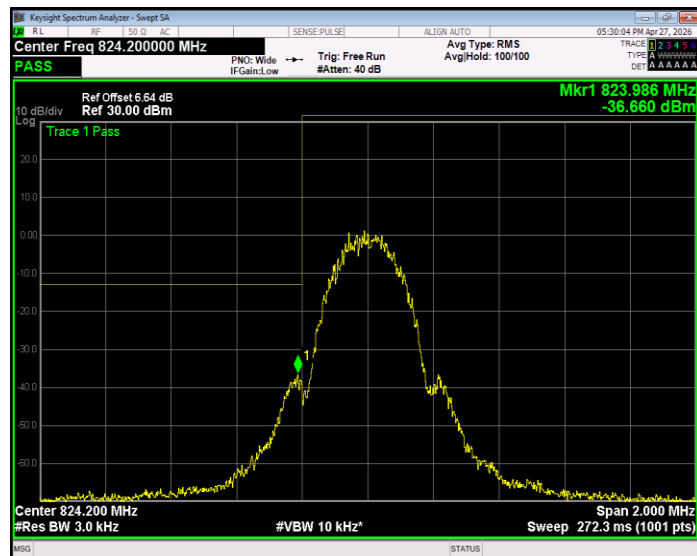
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GPRS850 Channel=251



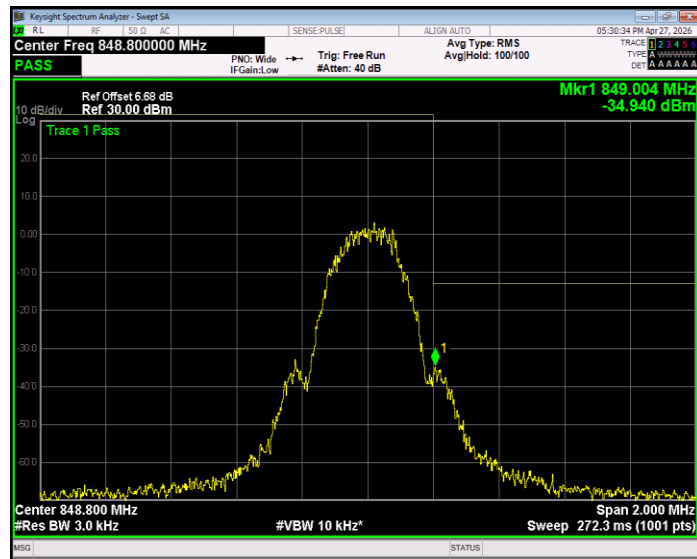
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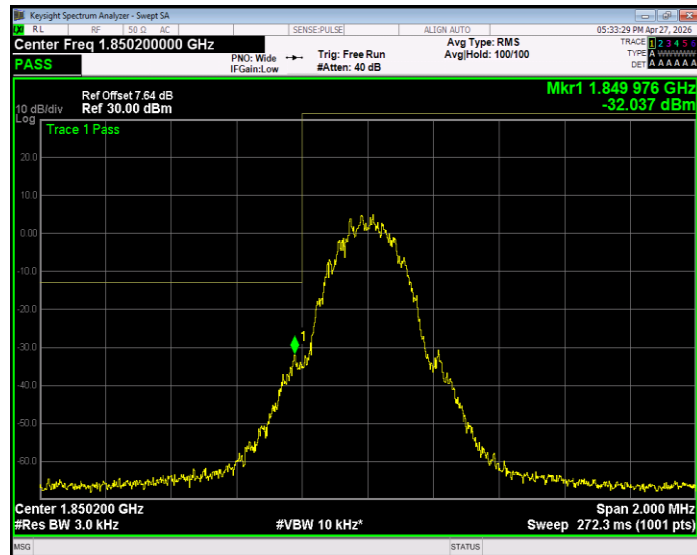


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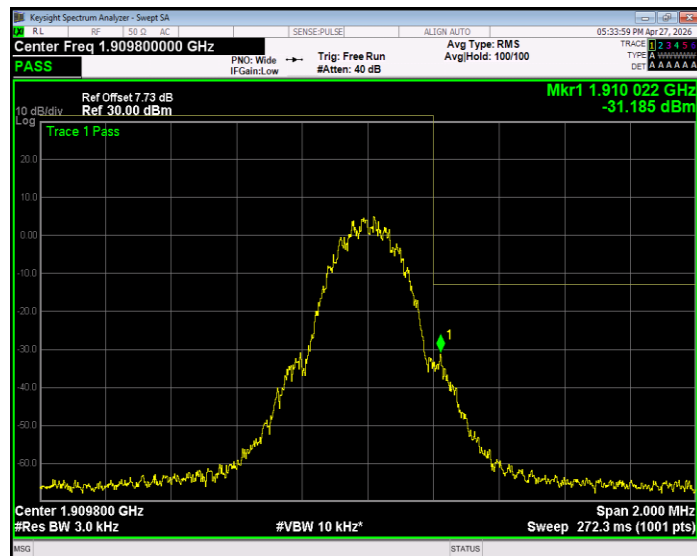
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GSM1900 Channel=512



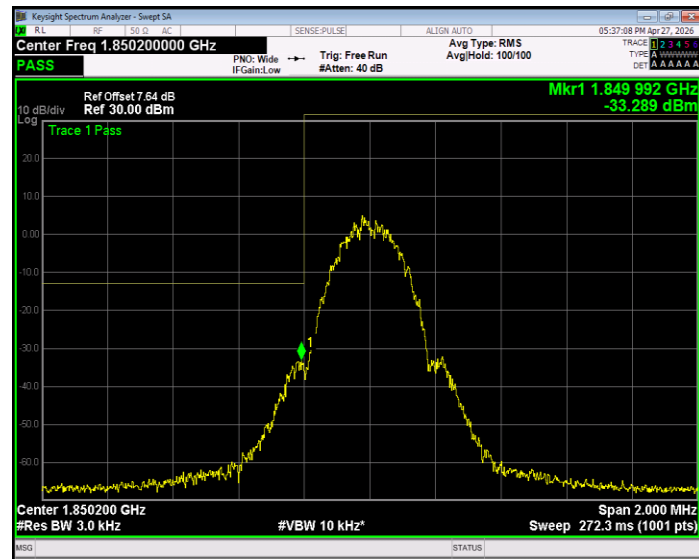
GSM1900 Channel=810



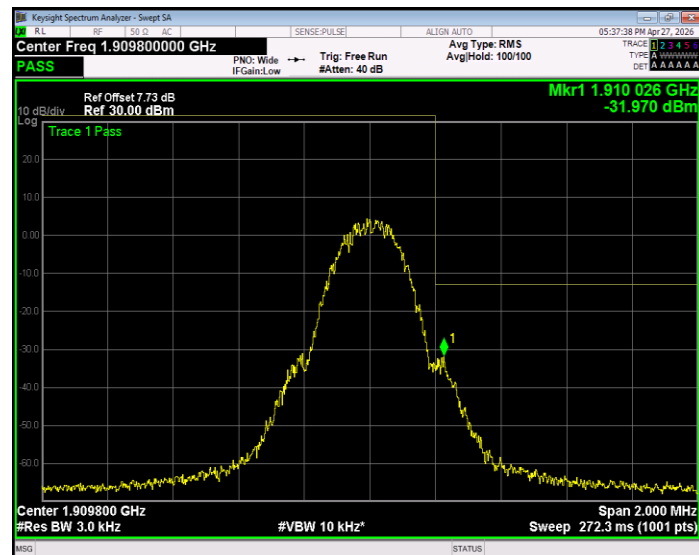


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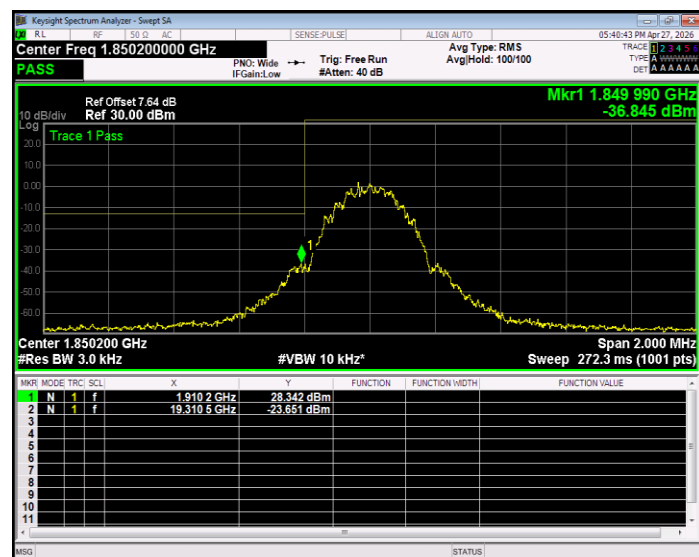
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GPRS1900 Channel=810



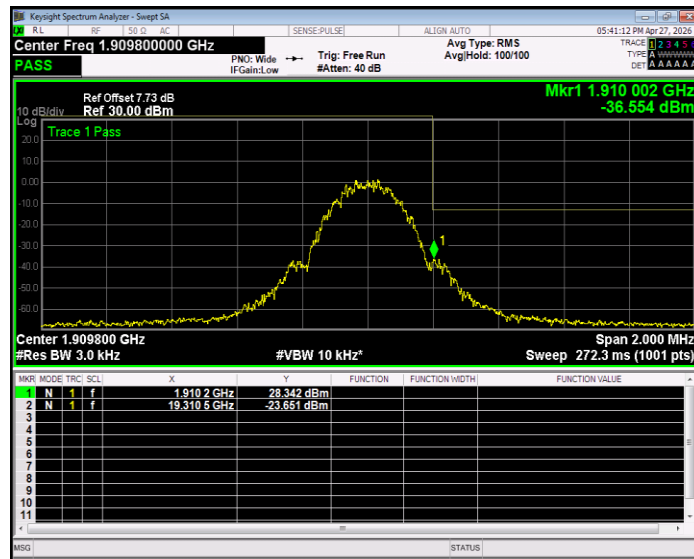
EGPRS1900 Channel=512





Report

EGPRS1900 Channel=810



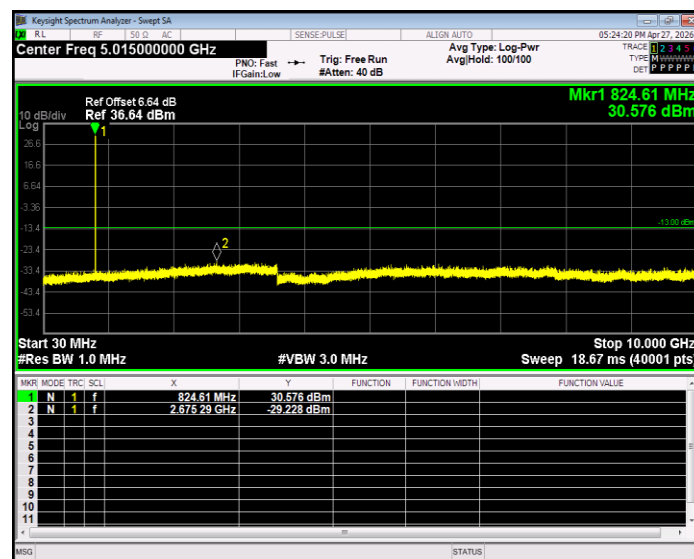


Report

Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	2675.29	-29.22	-13	PASS
GSM850	190	836.6	3200.96	-28.88	-13	PASS
GSM850	251	848.8	2656.35	-29.33	-13	PASS
GPRS850	128	824.2	3112.72	-28.78	-13	PASS
GPRS850	190	836.6	3143.13	-29.18	-13	PASS
GPRS850	251	848.8	2573.85	-29.37	-13	PASS
EGPRS850	128	824.2	3016.26	-28.14	-13	PASS
EGPRS850	190	836.6	3285.21	-28.95	-13	PASS
EGPRS850	251	848.8	2623.20	-29.25	-13	PASS
GSM1900	512	1850.2	18619.07	-23.70	-13	PASS
GSM1900	661	1880	18979.03	-23.71	-13	PASS
GSM1900	810	1909.8	19801.80	-23.70	-13	PASS
GPRS1900	512	1850.2	18675.99	-24.12	-13	PASS
GPRS1900	661	1880	18959.56	-24.00	-13	PASS
GPRS1900	810	1909.8	19310.54	-23.65	-13	PASS
EGPRS1900	512	1850.2	19746.38	-23.95	-13	PASS
EGPRS1900	661	1880	16589.62	-23.58	-13	PASS
EGPRS1900	810	1909.8	19815.28	-22.94	-13	PASS

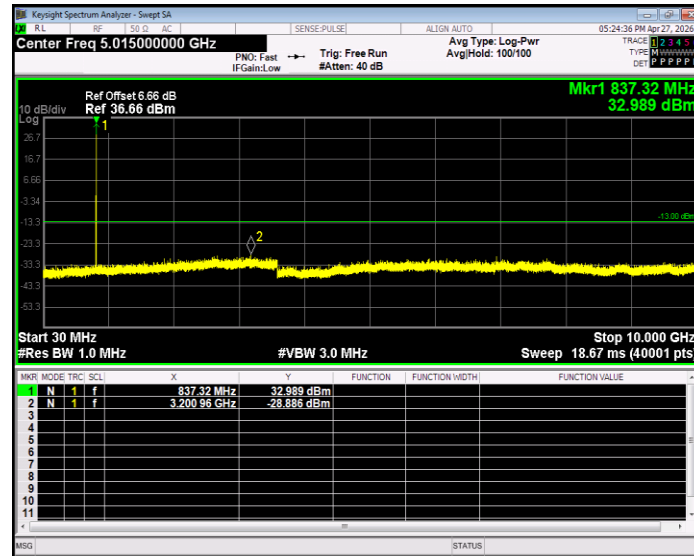
GSM850 Channel=128



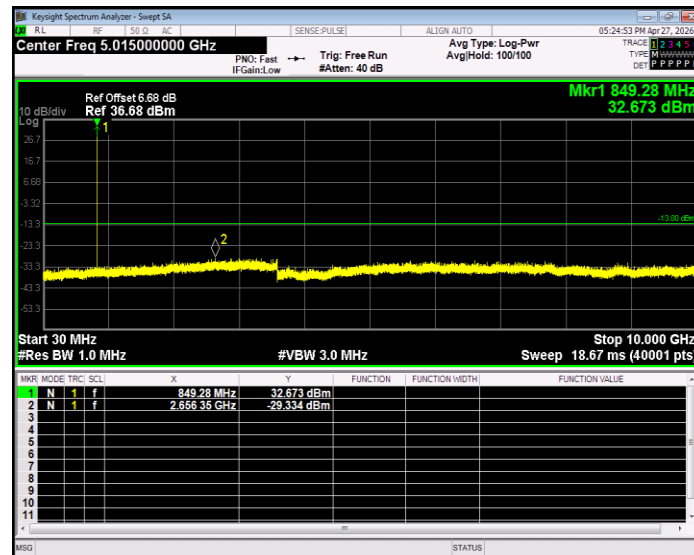
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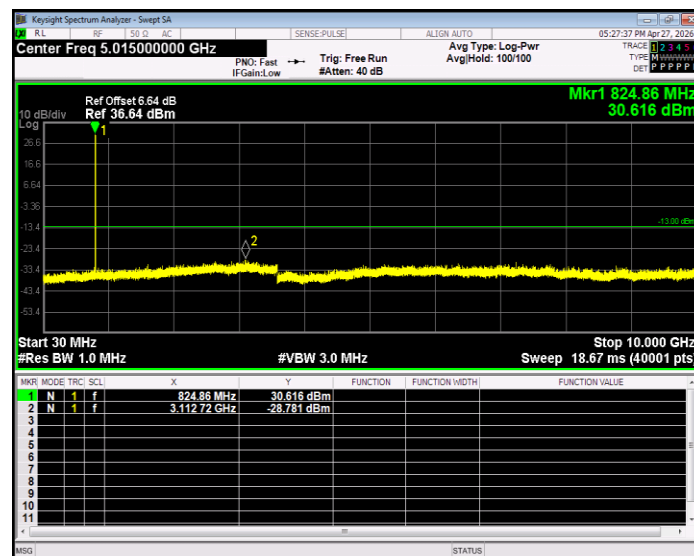
Report



GSM850 Channel=251



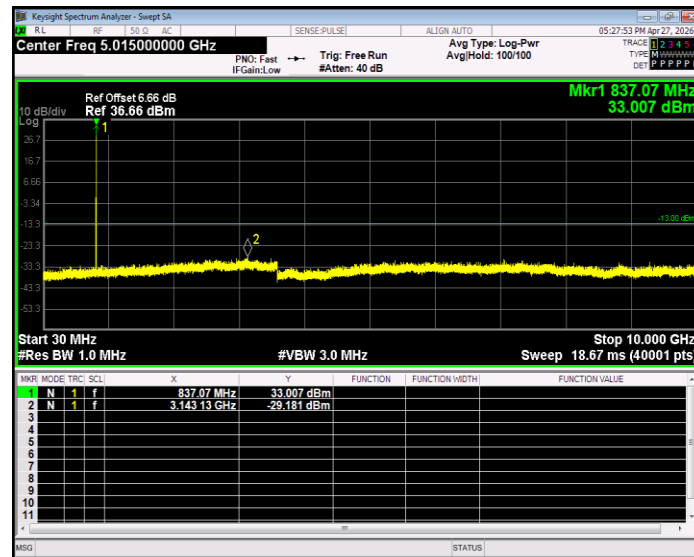
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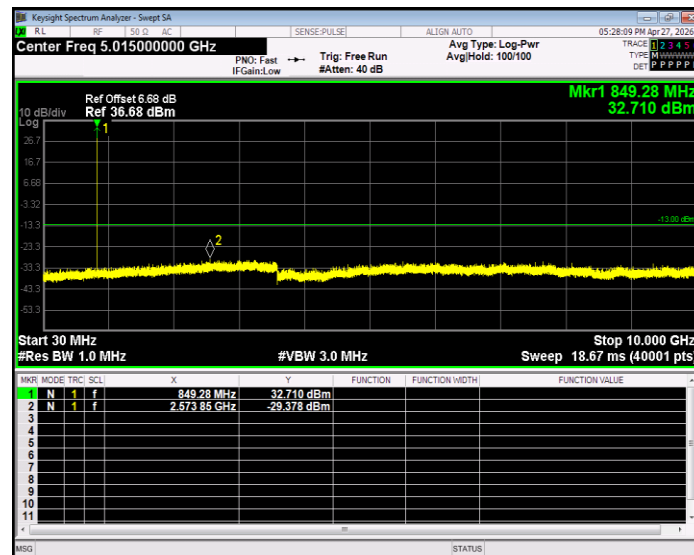


Report

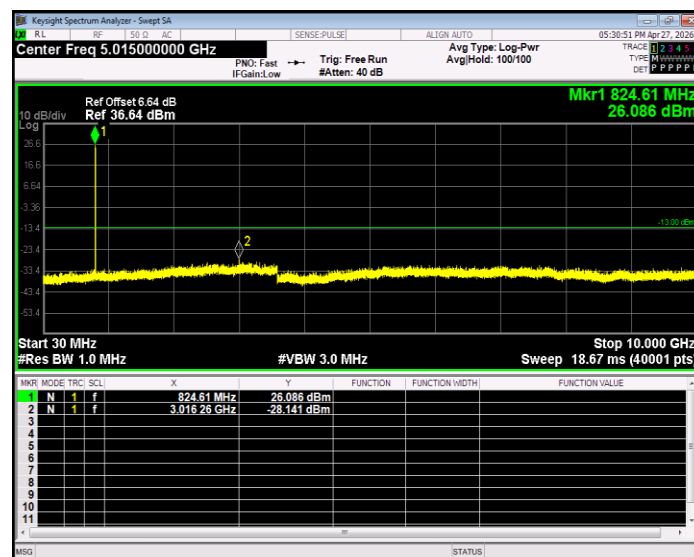
GPRS850 Channel=190



GPRS850 Channel=251



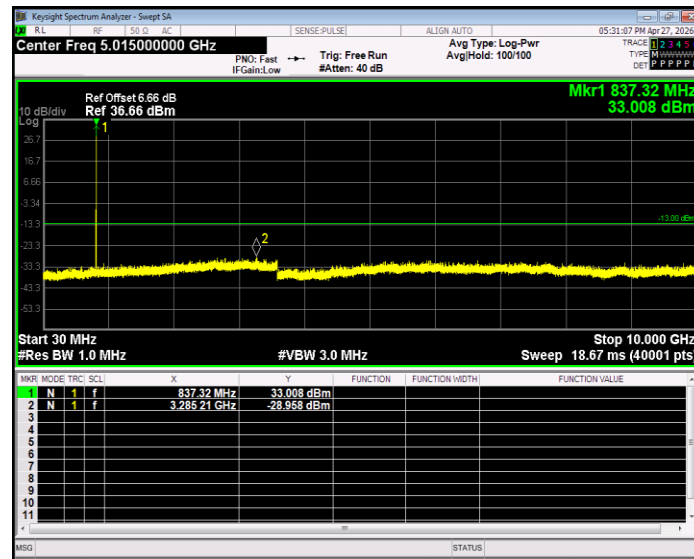
EGPRS850 Channel=128



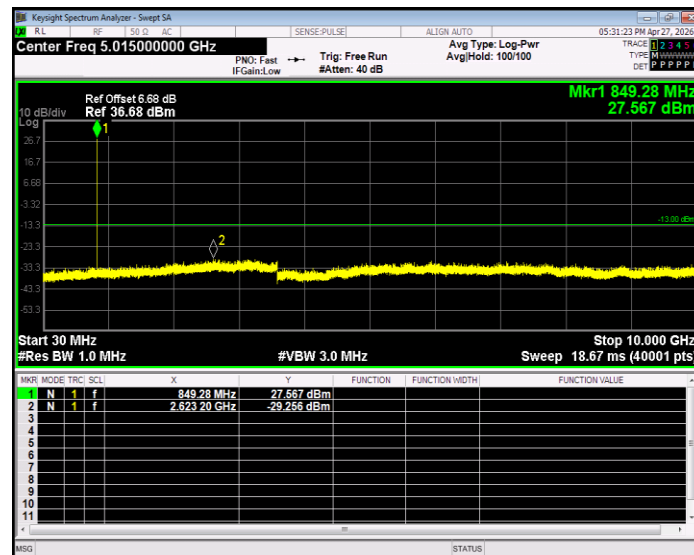


Report

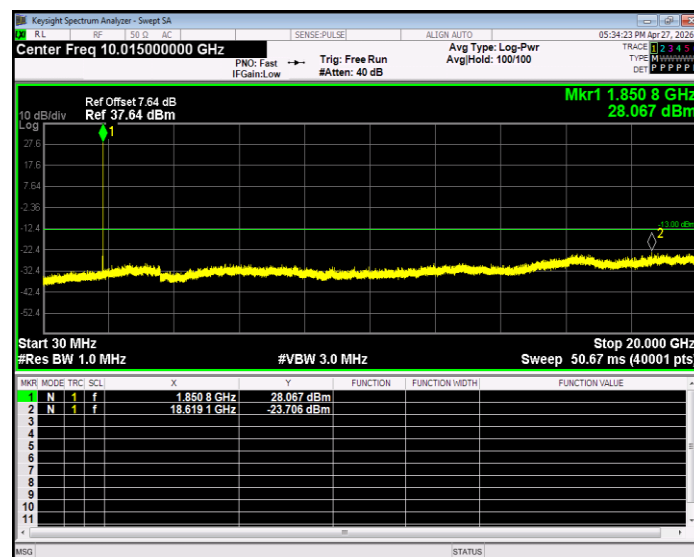
EGPRS850 Channel=190



EGPRS850 Channel=251



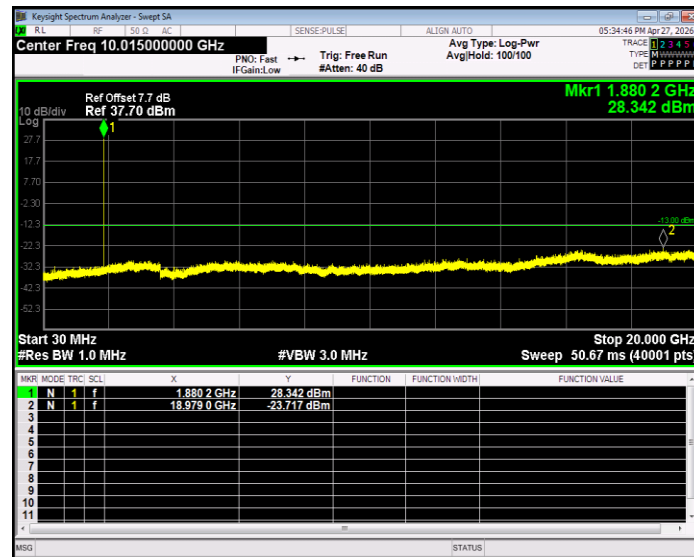
GSM1900 Channel=512



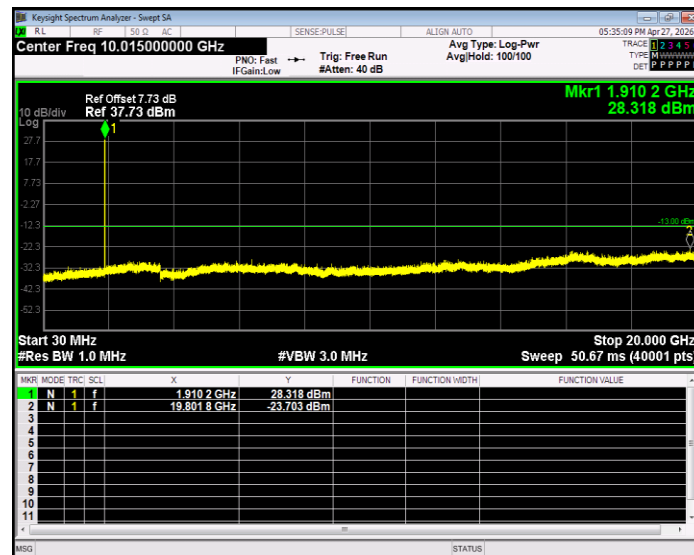


Report

GSM1900 Channel=661



GSM1900 Channel=810



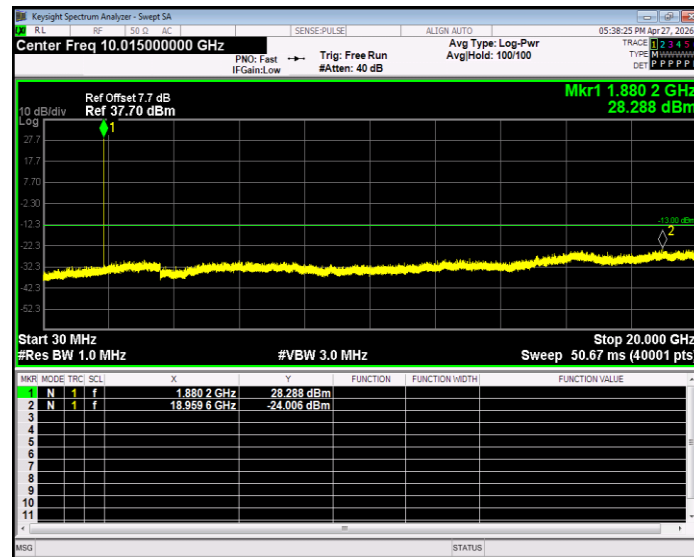
GPRS1900 Channel=512



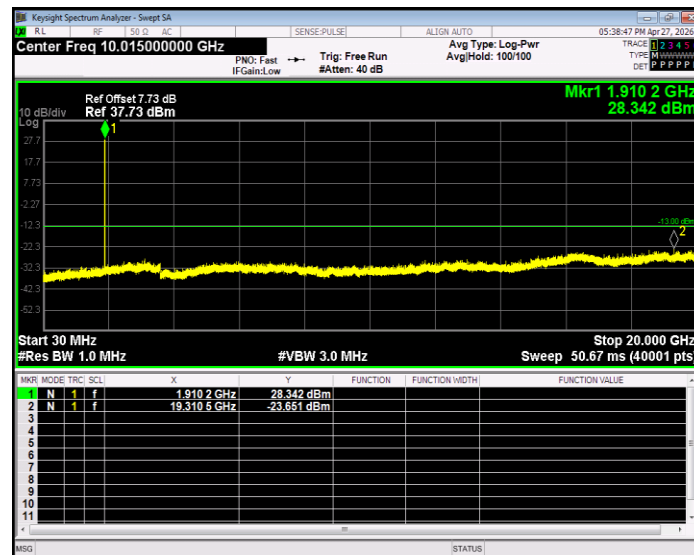


Report

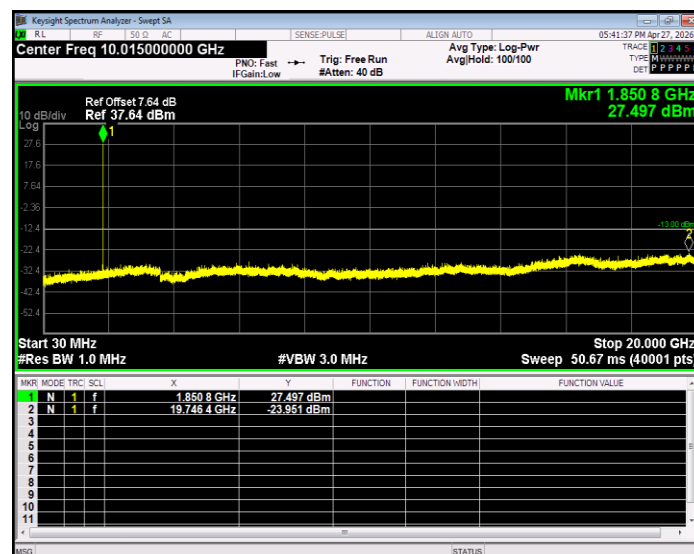
GPRS1900 Channel=661



GPRS1900 Channel=810



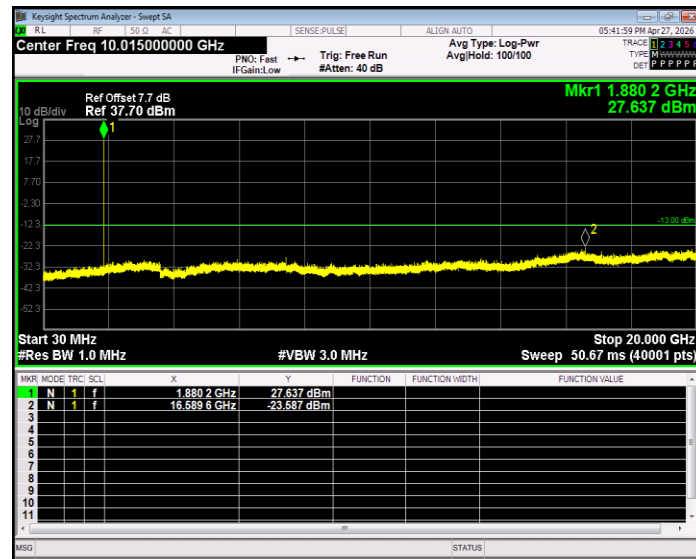
EGPRS1900 Channel=512



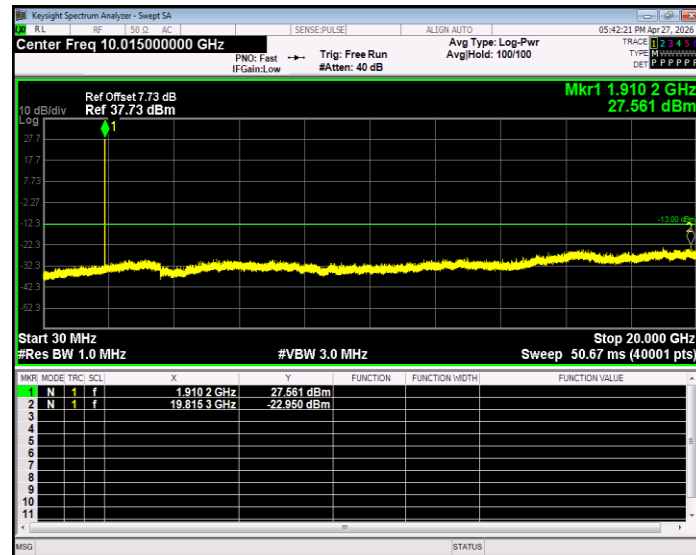


Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810



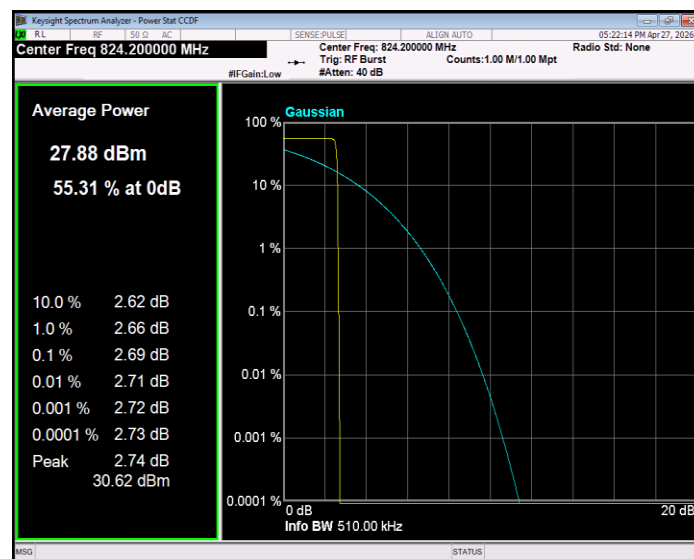


Report

Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM850	128	824.2	2.69	13	PASS
GSM850	190	836.6	2.66	13	PASS
GSM850	251	848.8	2.66	13	PASS
GPRS850	128	824.2	2.65	13	PASS
GPRS850	190	836.6	2.66	13	PASS
GPRS850	251	848.8	2.66	13	PASS
EGPRS850	128	824.2	8.60	13	PASS
EGPRS850	190	836.6	8.85	13	PASS
EGPRS850	251	848.8	8.59	13	PASS
GSM1900	512	1850.2	2.70	13	PASS
GSM1900	661	1880	2.76	13	PASS
GSM1900	810	1909.8	2.69	13	PASS
GPRS1900	512	1850.2	2.68	13	PASS
GPRS1900	661	1880	2.78	13	PASS
GPRS1900	810	1909.8	2.69	13	PASS
EGPRS1900	512	1850.2	5.88	13	PASS
EGPRS1900	661	1880	5.92	13	PASS
EGPRS1900	810	1909.8	6.49	13	PASS

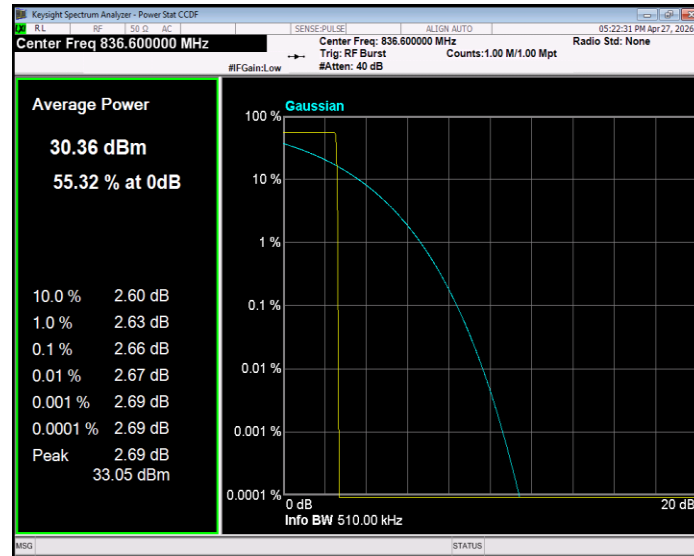
GSM850 Channel=128



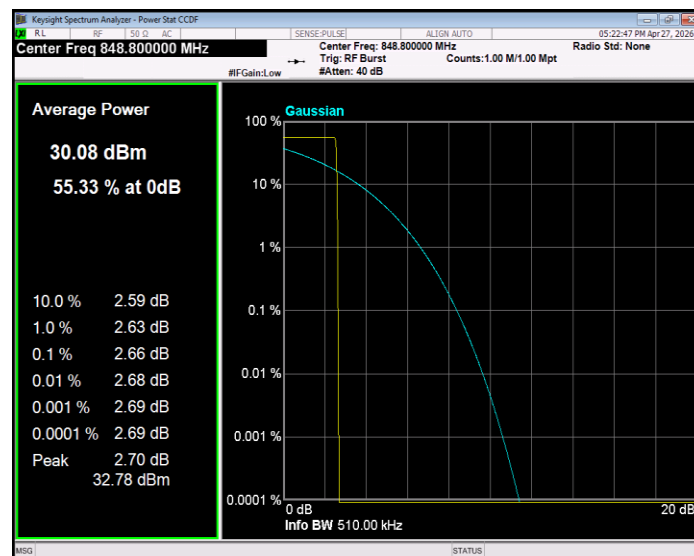
GSM850 Channel=190



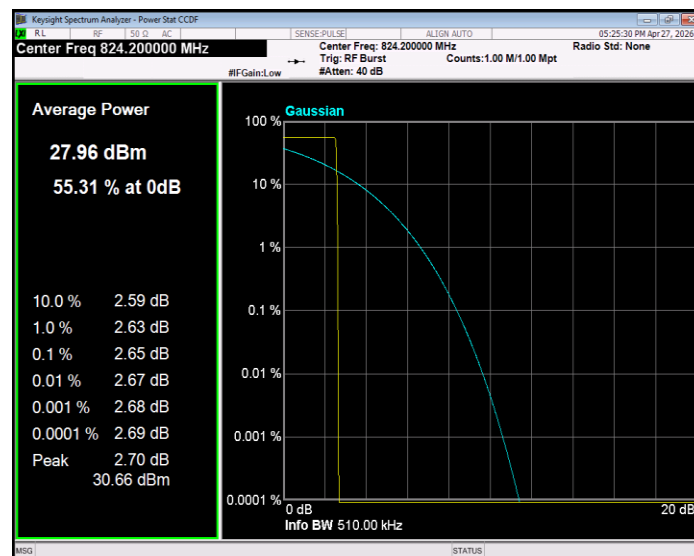
Report



GSM850 Channel=251



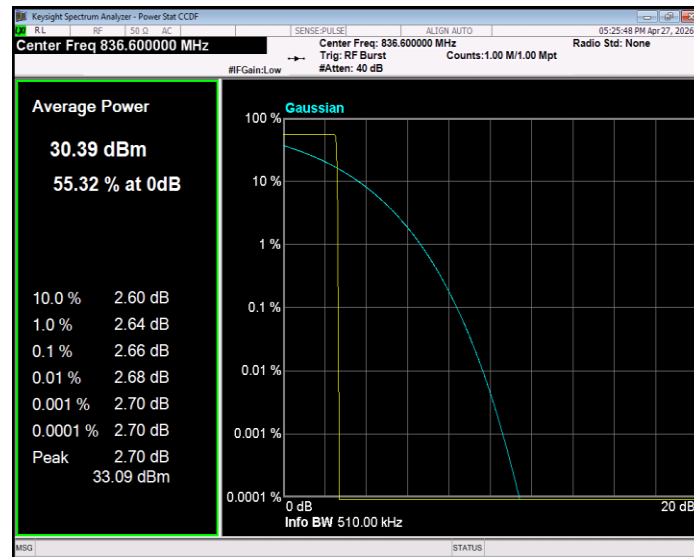
GPRS850 Channel=128



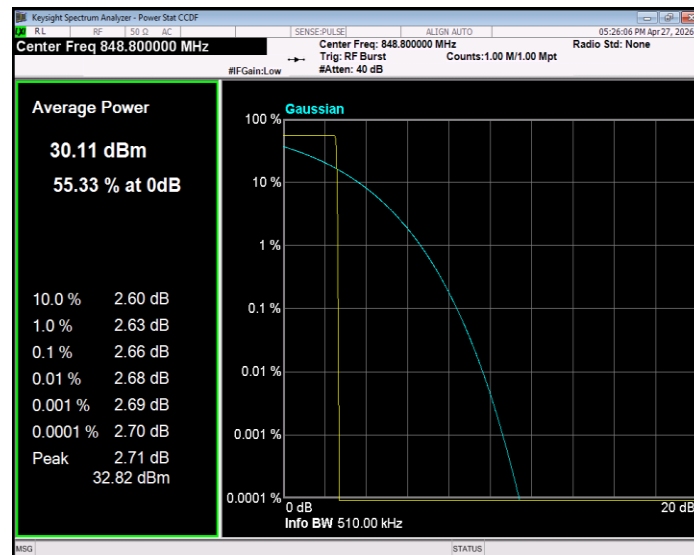


Report

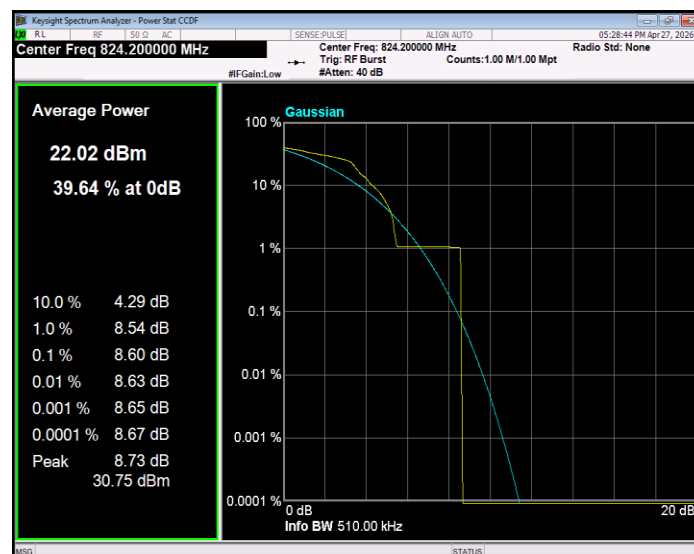
GPRS850 Channel=190



GPRS850 Channel=251



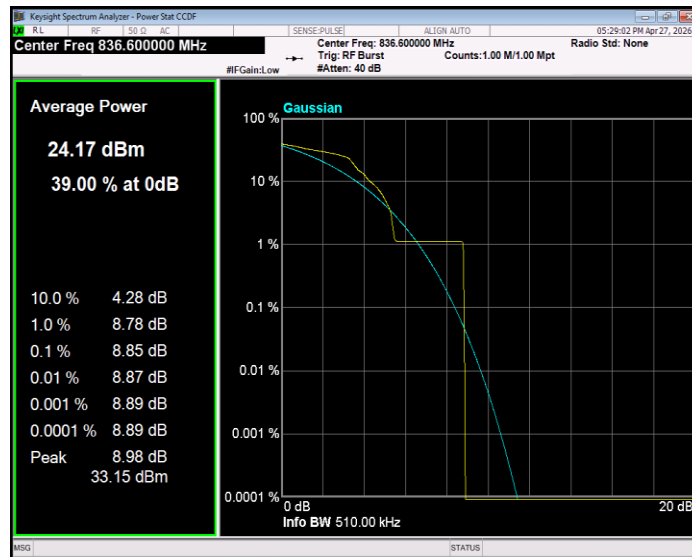
EGPRS850 Channel=128



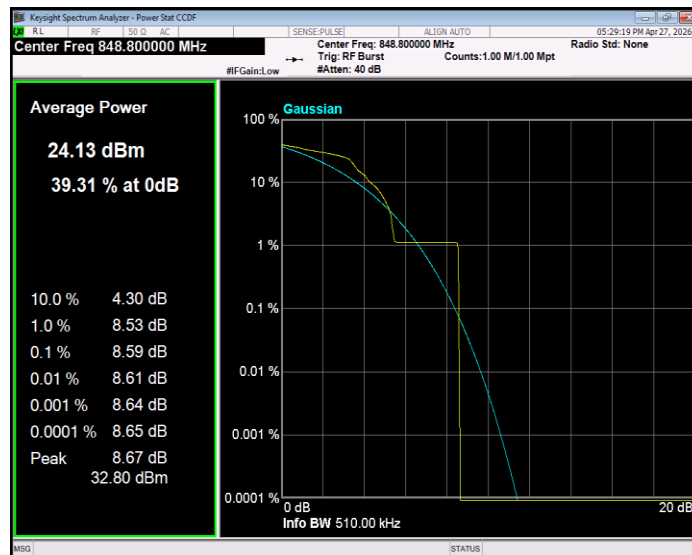


Report

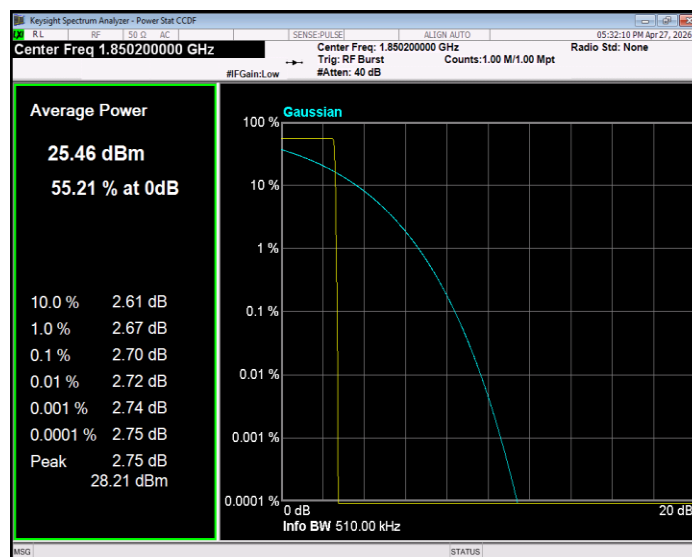
EGPRS850 Channel=190



EGPRS850 Channel=251



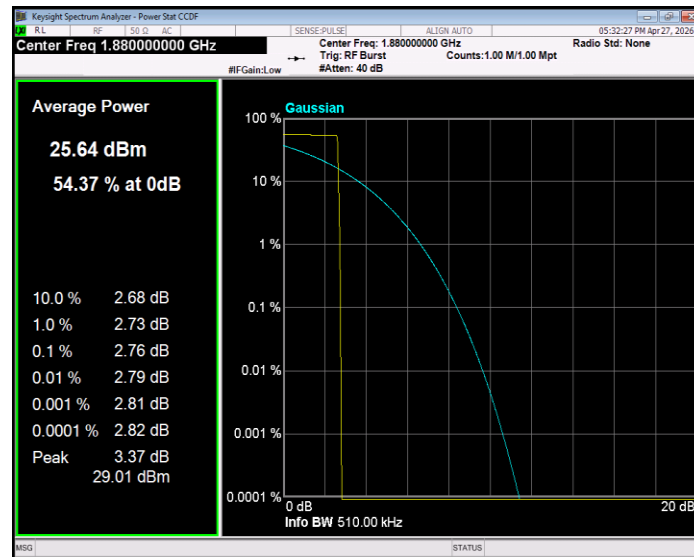
GSM1900 Channel=512



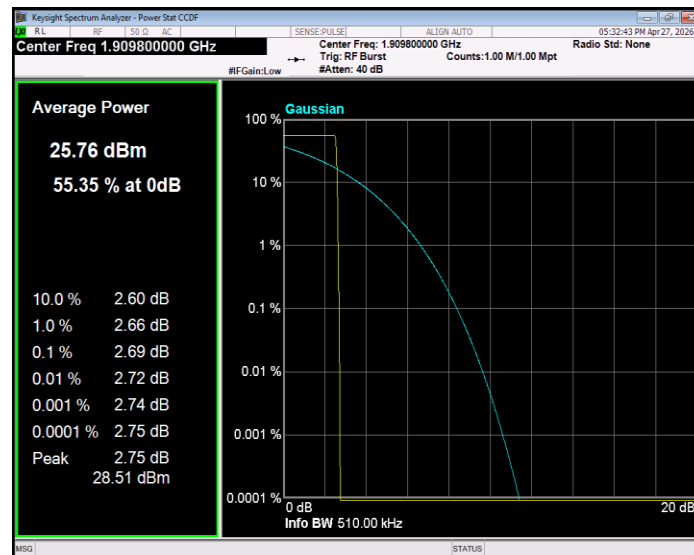


Report

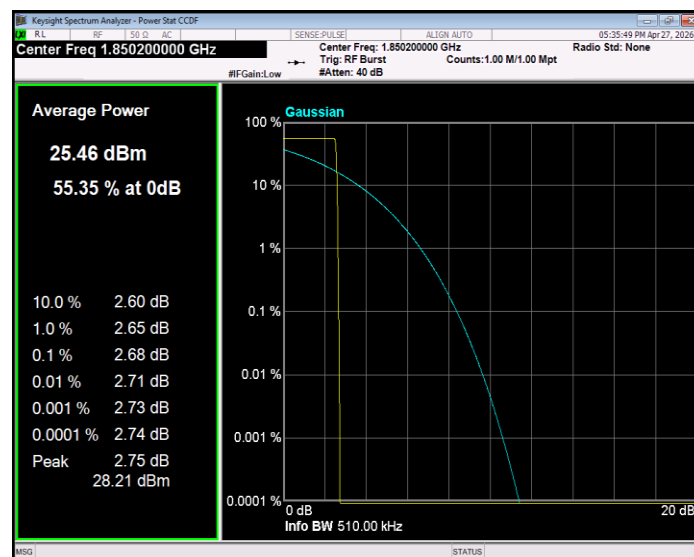
GSM1900 Channel=661



GSM1900 Channel=810



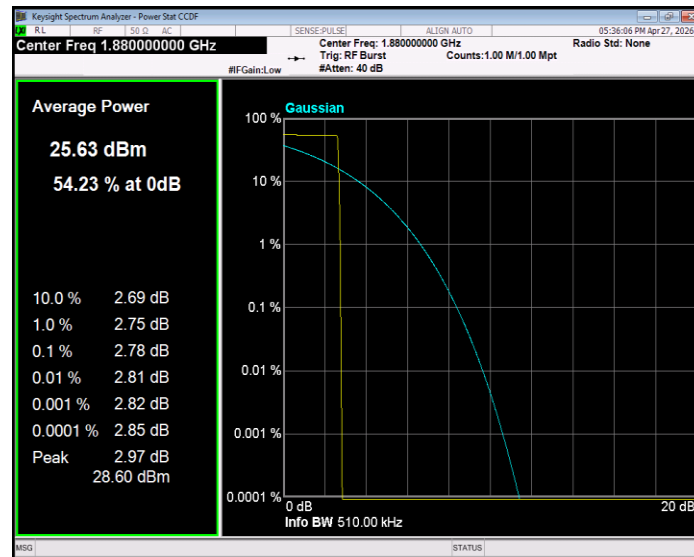
GPRS1900 Channel=512





Report

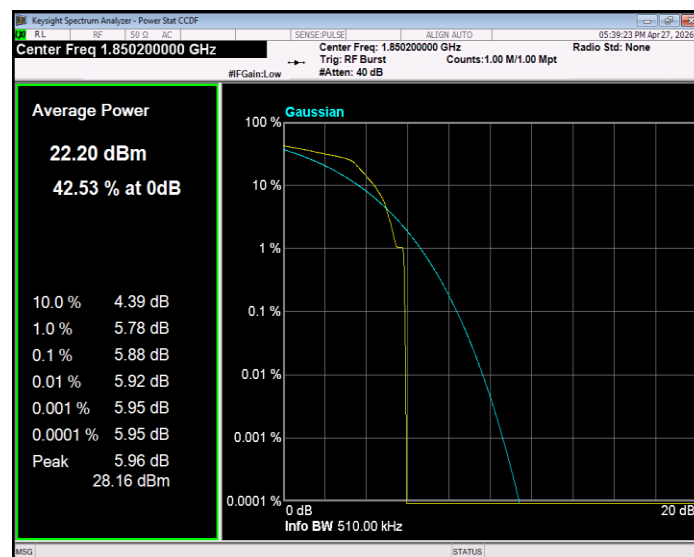
GPRS1900 Channel=661



GPRS1900 Channel=810



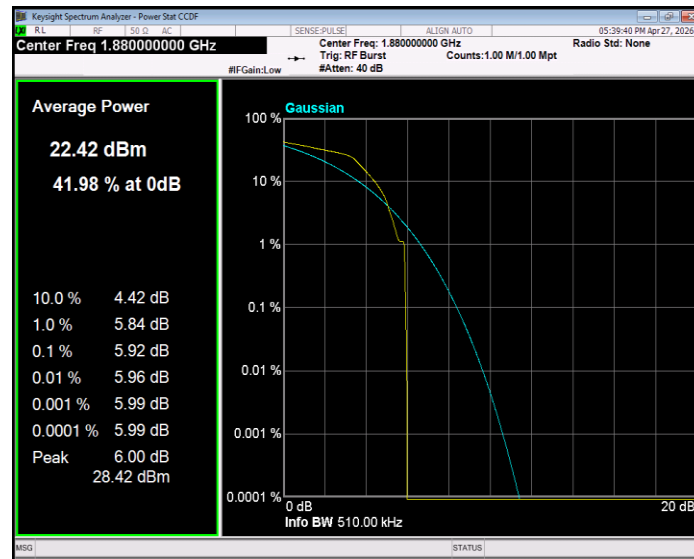
EGPRS1900 Channel=512





Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810

