



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	32.17	0.87	30.89	38.45	PASS
GSM850	190	836.6	31.84	0.87	30.56	38.45	PASS
GSM850	251	848.8	32.3	0.87	31.02	38.45	PASS
GPRS850 1 Slot	128	824.2	32.15	0.87	30.87	38.45	PASS
GPRS850 1 Slot	190	836.6	31.97	0.87	30.69	38.45	PASS
GPRS850 1 Slot	251	848.8	32.27	0.87	30.99	38.45	PASS
GPRS850 2 Slot	128	824.2	31.57	0.87	30.29	38.45	PASS
GPRS850 2 Slot	190	836.6	31.28	0.87	30	38.45	PASS
GPRS850 2 Slot	251	848.8	31.42	0.87	30.14	38.45	PASS
GPRS850 3 Slot	128	824.2	29.92	0.87	28.64	38.45	PASS
GPRS850 3 Slot	190	836.6	29.61	0.87	28.33	38.45	PASS
GPRS850 3 Slot	251	848.8	29.94	0.87	28.66	38.45	PASS
GPRS850 4 Slot	128	824.2	28.98	0.87	27.7	38.45	PASS
GPRS850 4 Slot	190	836.6	28.6	0.87	27.32	38.45	PASS
GPRS850 4 Slot	251	848.8	28.88	0.87	27.6	38.45	PASS
EGPRS850 1 Slot	128	824.2	31.95	0.87	30.67	38.45	PASS
EGPRS850 1 Slot	190	836.6	31.79	0.87	30.51	38.45	PASS
EGPRS850 1 Slot	251	848.8	32.06	0.87	30.78	38.45	PASS
EGPRS850 2 Slot	128	824.2	31.37	0.87	30.09	38.45	PASS
EGPRS850 2 Slot	190	836.6	31.11	0.87	29.83	38.45	PASS
EGPRS850 2 Slot	251	848.8	31.4	0.87	30.12	38.45	PASS
EGPRS850 3 Slot	128	824.2	29.76	0.87	28.48	38.45	PASS
EGPRS850 3 Slot	190	836.6	29.29	0.87	28.01	38.45	PASS
EGPRS850 3 Slot	251	848.8	29.62	0.87	28.34	38.45	PASS
EGPRS850 4 Slot	128	824.2	28.81	0.87	27.53	38.45	PASS
EGPRS850 4 Slot	190	836.6	28.48	0.87	27.2	38.45	PASS
EGPRS850 4 Slot	251	848.8	28.73	0.87	27.45	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	29.78	0.87	30.65	33.01	PASS
GSM1900	661	1880	30.07	0.87	30.94	33.01	PASS
GSM1900	810	1909.8	29.43	0.87	30.3	33.01	PASS
GPRS1900 1 Slot	512	1850.2	29.74	0.87	30.61	33.01	PASS
GPRS1900 1 Slot	661	1880	30.05	0.87	30.92	33.01	PASS
GPRS1900 1 Slot	810	1909.8	29.4	0.87	30.27	33.01	PASS
GPRS1900 2 Slot	512	1850.2	28.89	0.87	29.76	33.01	PASS
GPRS1900 2 Slot	661	1880	29.08	0.87	29.95	33.01	PASS
GPRS1900 2 Slot	810	1909.8	28.17	0.87	29.04	33.01	PASS
GPRS1900 3 Slot	512	1850.2	26.93	0.87	27.8	33.01	PASS
GPRS1900 3 Slot	661	1880	27.03	0.87	27.9	33.01	PASS
GPRS1900 3 Slot	810	1909.8	26.14	0.87	27.01	33.01	PASS
GPRS1900 4 Slot	512	1850.2	26.06	0.87	26.93	33.01	PASS
GPRS1900 4 Slot	661	1880	26.13	0.87	27	33.01	PASS
GPRS1900 4 Slot	810	1909.8	25.15	0.87	26.02	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	29.14	0.87	30.01	33.01	PASS
EGPRS1900 1 Slot	661	1880	29.4	0.87	30.27	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	28.92	0.87	29.79	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	28.27	0.87	29.14	33.01	PASS
EGPRS1900 2 Slot	661	1880	28.49	0.87	29.36	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	27.84	0.87	28.71	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	26.32	0.87	27.19	33.01	PASS
EGPRS1900 3 Slot	661	1880	26.46	0.87	27.33	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	25.71	0.87	26.58	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	25.43	0.87	26.3	33.01	PASS
EGPRS1900 4 Slot	661	1880	25.55	0.87	26.42	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	24.74	0.87	25.61	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	3.96	0.005	2.5ppm	PASS
40		3.42	0.004		
30		3.85	0.005		
20		5.68	0.007		
10		-3.72	-0.004		
0		-3.43	-0.004		
-10		3.61	0.004		
-20		3.96	0.005		
-30		-3.65	-0.004		
20	Maximum Voltage	-3.51	-0.004	2.5ppm	PASS
20	BEP	3.62	0.004		

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-3.52	-0.004	2.5ppm	PASS
40		-3.43	-0.004		
30		-3.94	-0.005		
20		5.68	0.007		
10		3.37	0.004		
0		3.41	0.004		
-10		3.55	0.004		
-20		3.55	0.004		
-30		3.73	0.004		
20	Maximum Voltage	-3.86	-0.005	2.5ppm	PASS
20	BEP	3.85	0.005		



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EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.90	0.005	2.5ppm	PASS
40		-3.84	-0.005		
30		3.86	0.005		
20		5.68	0.007		
10		3.59	0.004		
0		3.40	0.004		
-10		3.96	0.005		
-20		3.73	0.004		
-30		-3.45	-0.004		
20	Maximum Voltage	3.81	0.005		
20	BEP	3.90	0.005		



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GSM 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-3.69	-0.002	Within Authorized Band	PASS
40		-3.89	-0.002		
30		-3.71	-0.002		
20		5.68	0.003		
10		3.54	0.002		
0		-3.51	-0.002		
-10		-3.39	-0.002		
-20		-3.47	-0.002		
-30		-3.78	-0.002		
20	Maximum Voltage	3.38	0.002		
20	BEP	-3.57	-0.002		

GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-3.70	-0.002	Within Authorized Band	PASS
40		3.59	0.002		
30		-3.51	-0.002		
20		5.68	0.003		
10		3.72	0.002		
0		-3.74	-0.002		
-10		-3.72	-0.002		
-20		3.76	0.002		
-30		3.47	0.002		
20	Maximum Voltage	-3.74	-0.002		
20	BEP	3.54	0.002		



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EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.68	0.002	Within Authorized Band	PASS
40		-3.39	-0.002		
30		3.80	0.002		
20		5.68	0.003		
10		3.44	0.002		
0		-3.48	-0.002		
-10		3.81	0.002		
-20		3.55	0.002		
-30		-3.90	-0.002		
20	Maximum Voltage	-3.79	-0.002		
20	BEP	3.65	0.002		

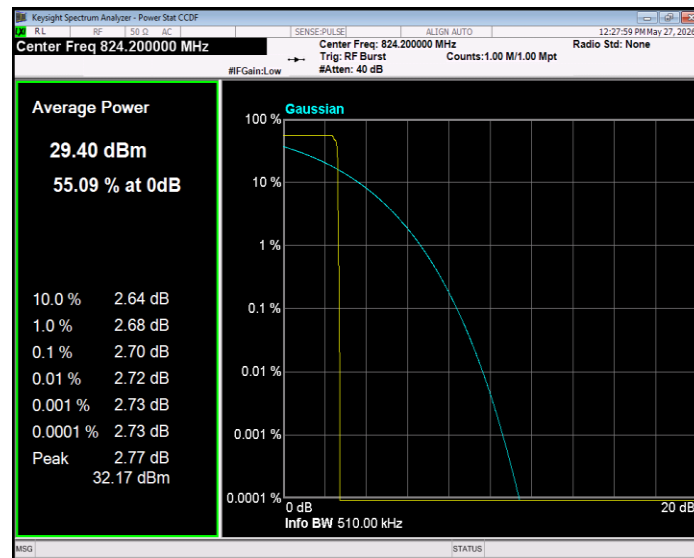


Report

Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM850	128	824.2	2.70	13	PASS
GSM850	190	836.6	2.70	13	PASS
GSM850	251	848.8	2.71	13	PASS
GPRS850	128	824.2	2.73	13	PASS
GPRS850	190	836.6	2.75	13	PASS
GPRS850	251	848.8	2.74	13	PASS
EGPRS850	128	824.2	2.75	13	PASS
EGPRS850	190	836.6	2.75	13	PASS
EGPRS850	251	848.8	2.74	13	PASS
GSM1900	512	1850.2	2.69	13	PASS
GSM1900	661	1880	2.70	13	PASS
GSM1900	810	1909.8	2.70	13	PASS
GPRS1900	512	1850.2	2.72	13	PASS
GPRS1900	661	1880	2.75	13	PASS
GPRS1900	810	1909.8	2.75	13	PASS
EGPRS1900	512	1850.2	2.73	13	PASS
EGPRS1900	661	1880	2.72	13	PASS
EGPRS1900	810	1909.8	2.74	13	PASS

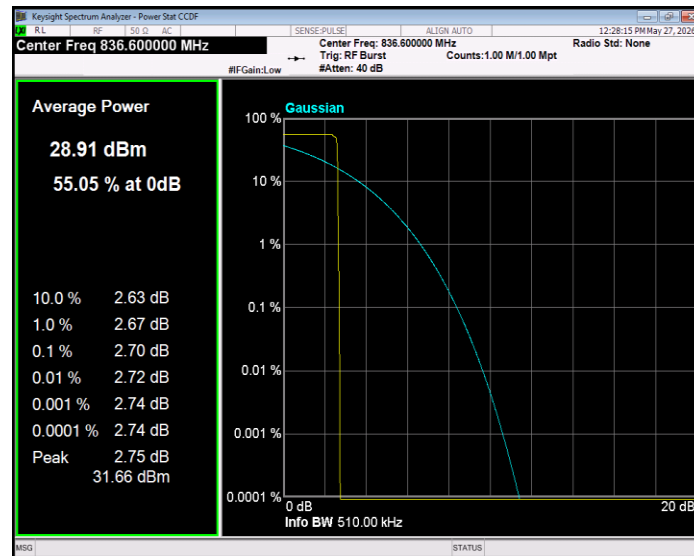
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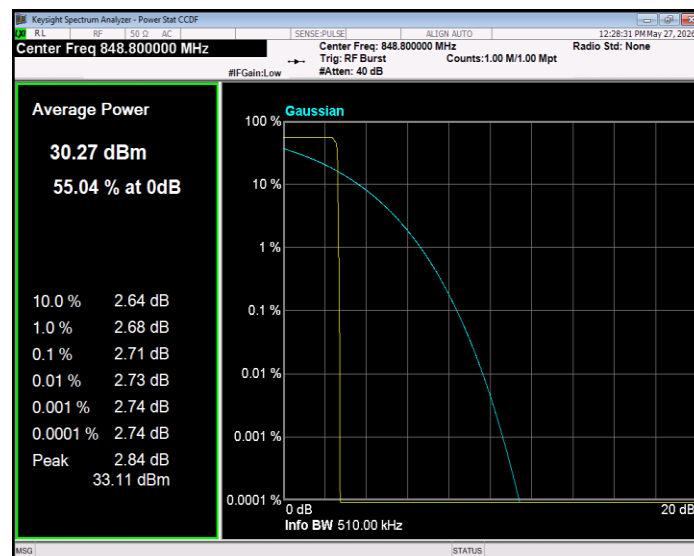
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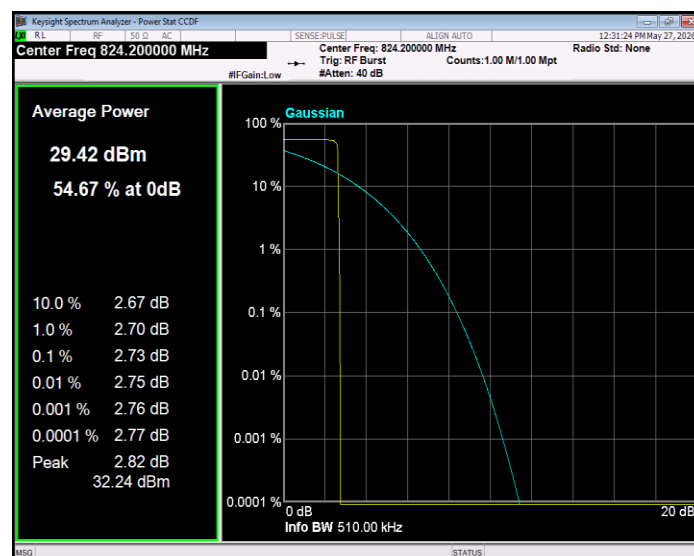
Report



GSM850 Channel=251



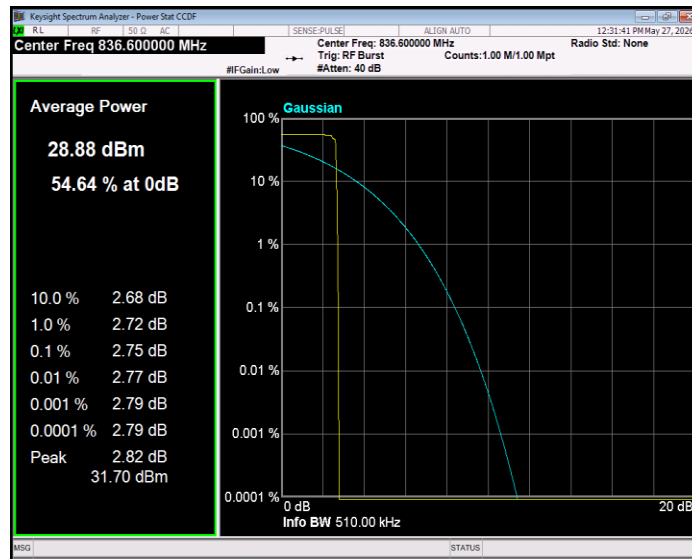
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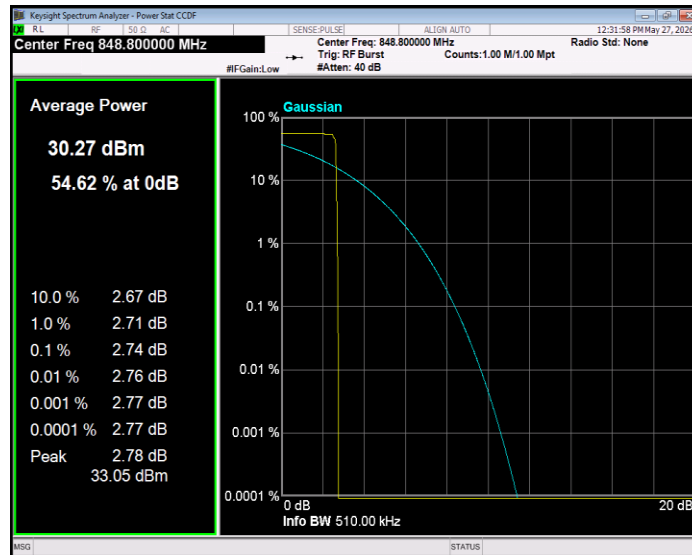


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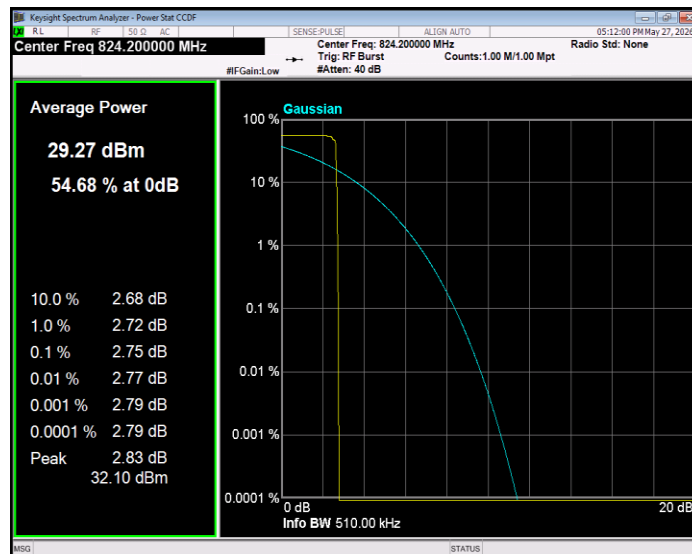
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GPRS850 Channel=251



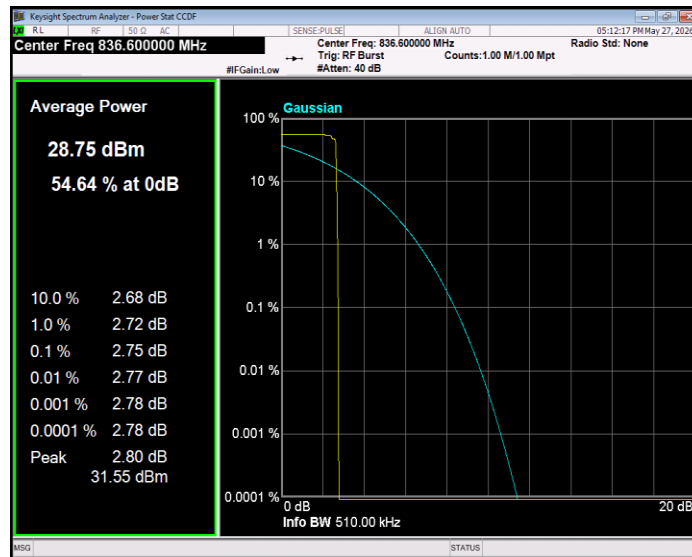
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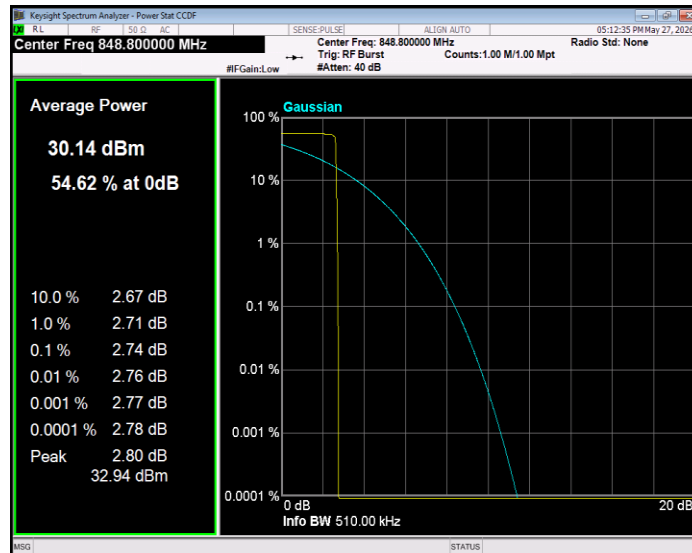


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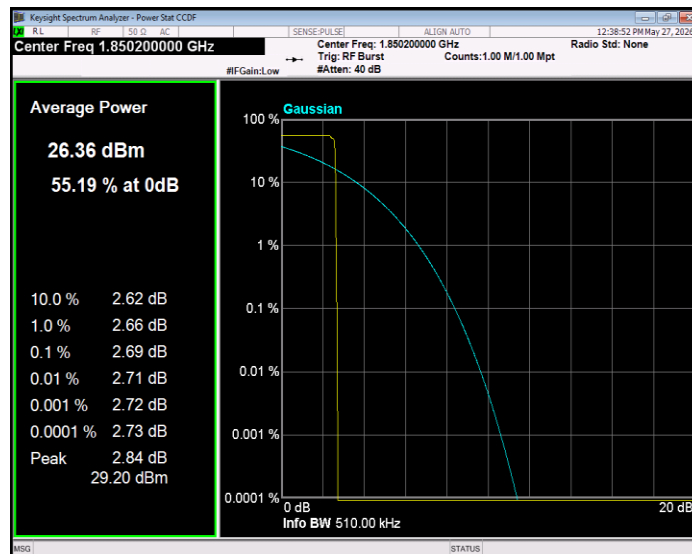
EGPRS850 Channel=190



EGPRS850 Channel=251



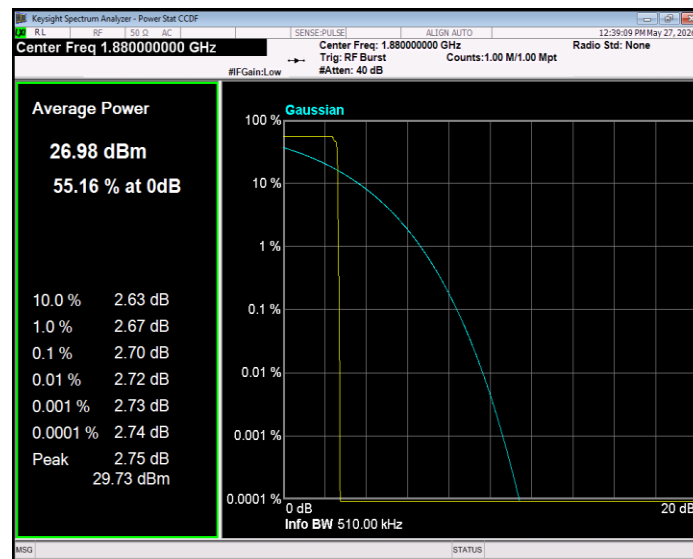
GSM1900 Channel=512



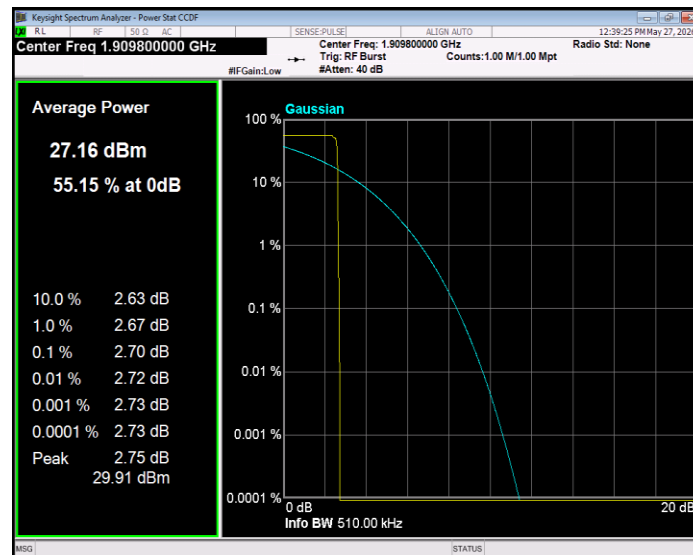


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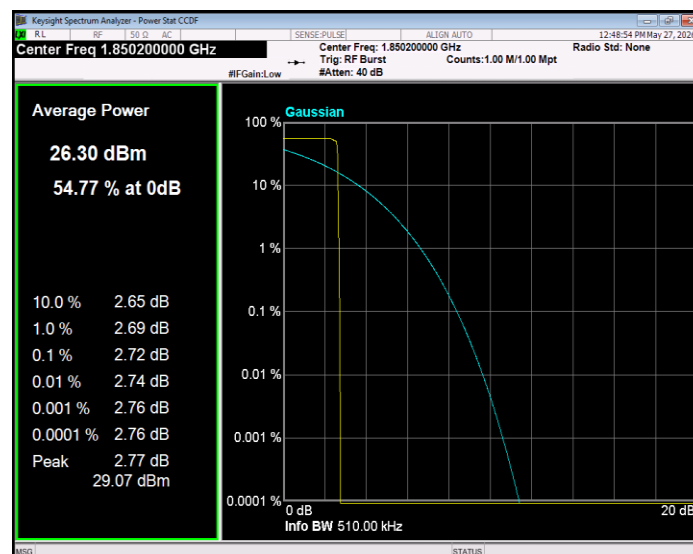
GSM1900 Channel=661



GSM1900 Channel=810



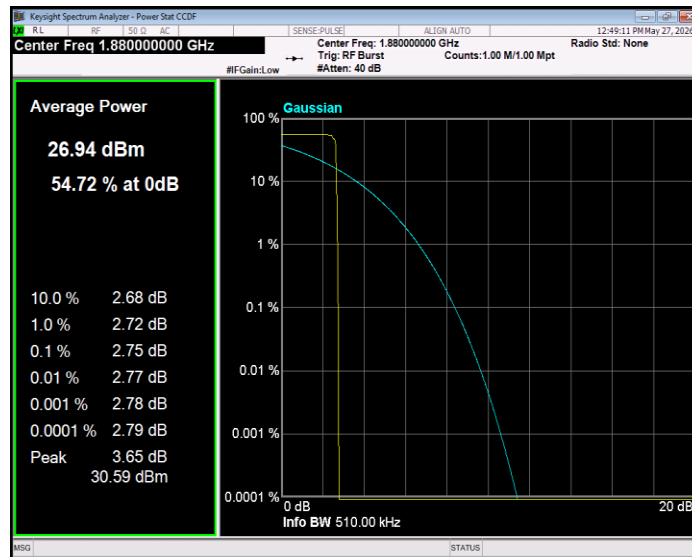
GPRS1900 Channel=512



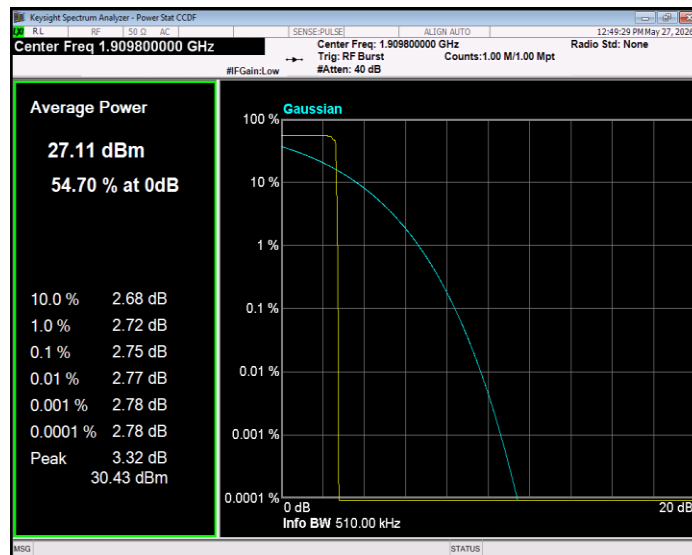


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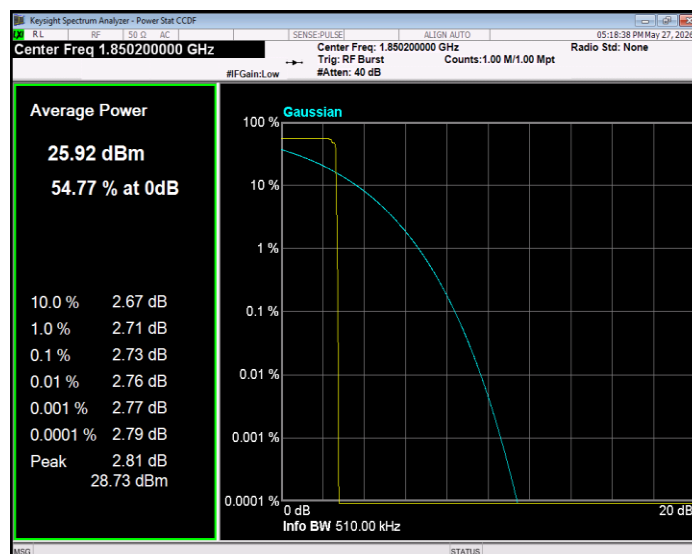
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GPRS1900 Channel=810



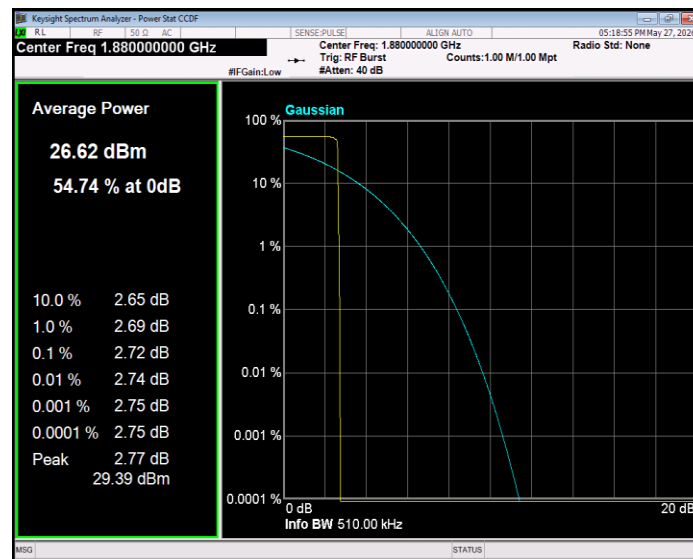
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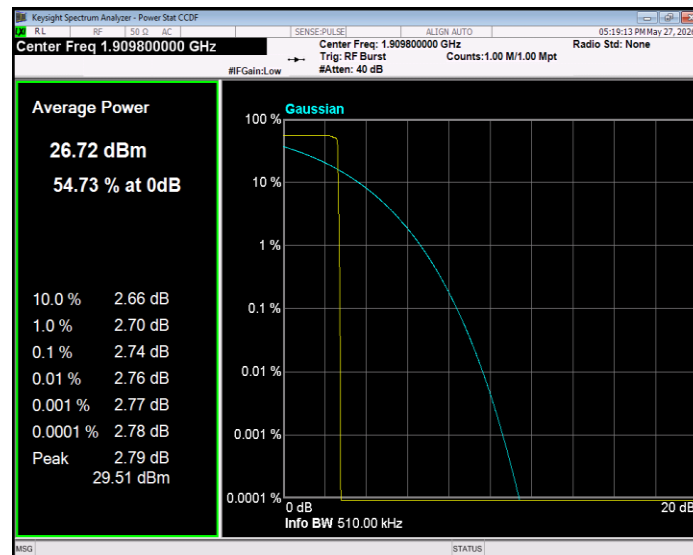


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EGPRS1900 Channel=661



EGPRS1900 Channel=810



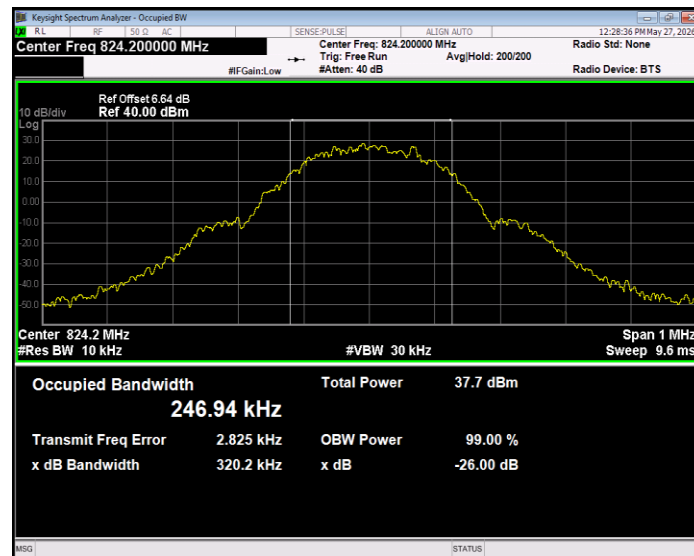


Report

Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM850	128	824.2	246.942	320.178	PASS
GSM850	190	836.6	251.692	318.348	PASS
GSM850	251	848.8	251.863	315.989	PASS
GPRS850	128	824.2	240.555	301.521	PASS
GPRS850	190	836.6	249.375	317.569	PASS
GPRS850	251	848.8	246.745	318.207	PASS
EGPRS850	128	824.2	248.077	317.057	PASS
EGPRS850	190	836.6	252.102	323.217	PASS
EGPRS850	251	848.8	244.209	315.065	PASS
GSM1900	512	1850.2	247.127	320.068	PASS
GSM1900	661	1880	252.735	320.330	PASS
GSM1900	810	1909.8	246.519	320.310	PASS
GPRS1900	512	1850.2	246.155	316.116	PASS
GPRS1900	661	1880	240.291	315.369	PASS
GPRS1900	810	1909.8	243.917	308.188	PASS
EGPRS1900	512	1850.2	247.736	308.387	PASS
EGPRS1900	661	1880	250.438	315.732	PASS
EGPRS1900	810	1909.8	245.038	317.689	PASS

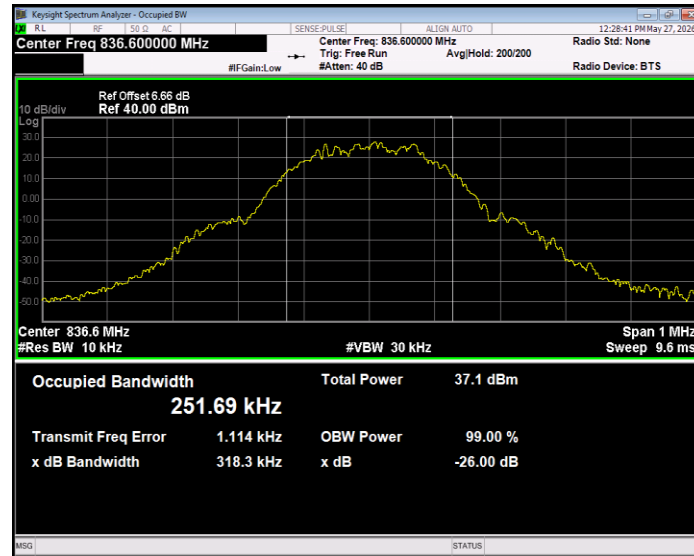
GSM850 Channel=128



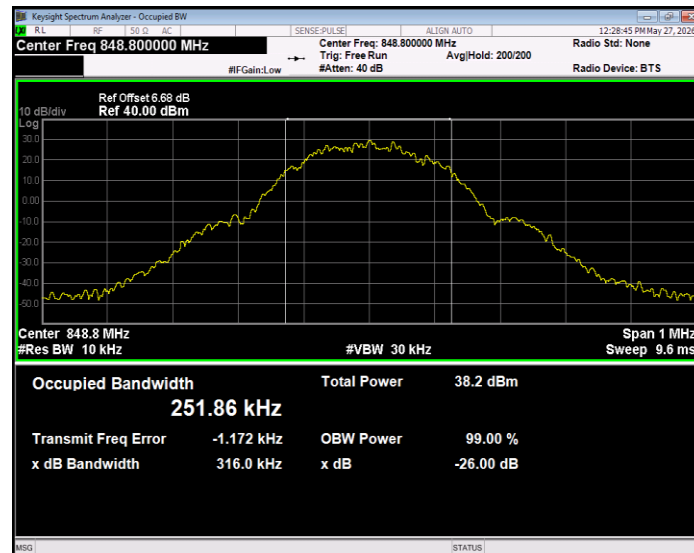
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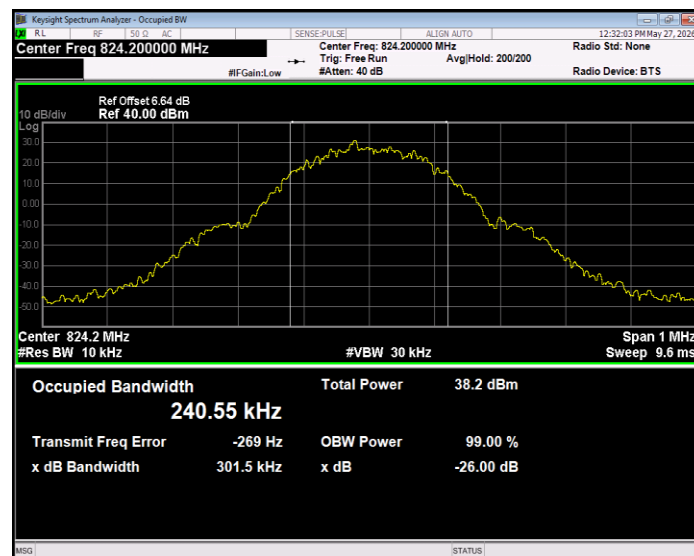
Report



GSM850 Channel=251



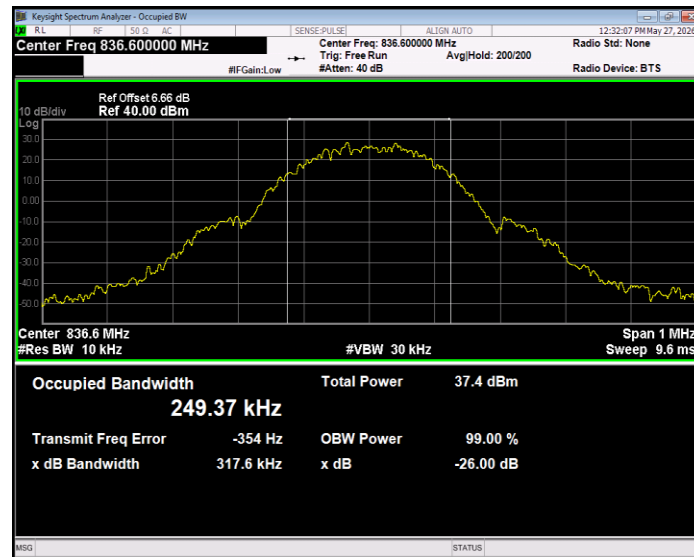
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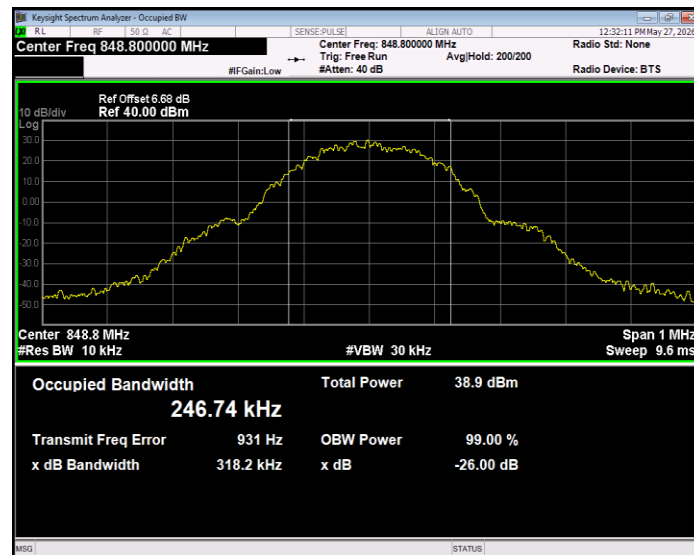


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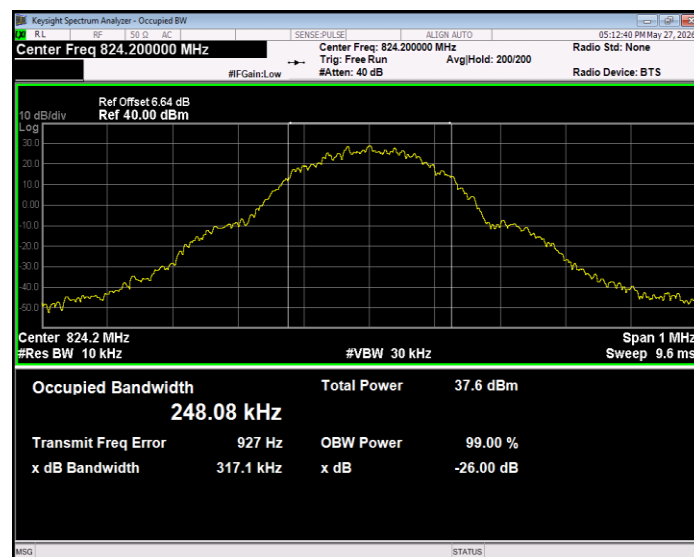
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GPRS850 Channel=251



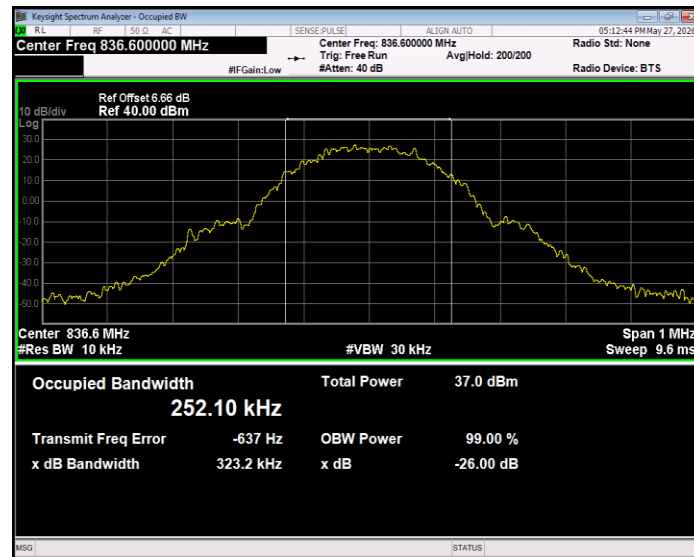
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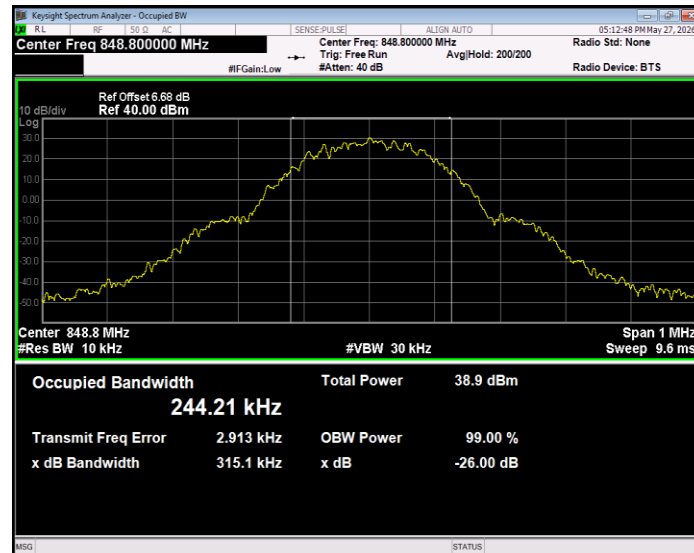


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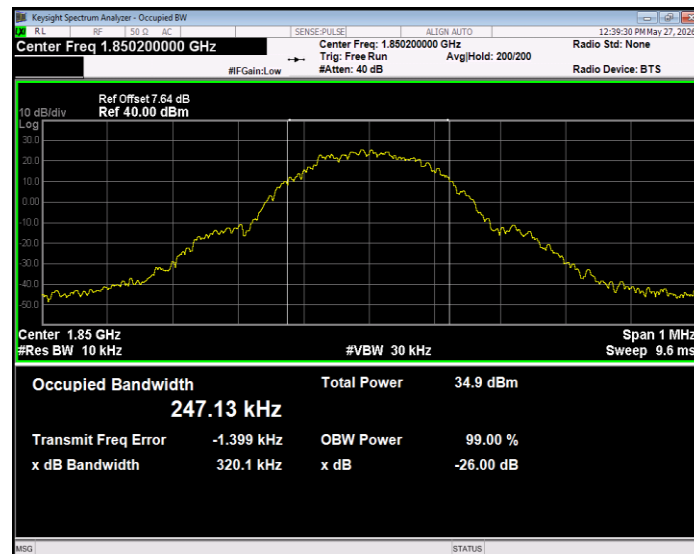
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EGPRS850 Channel=251



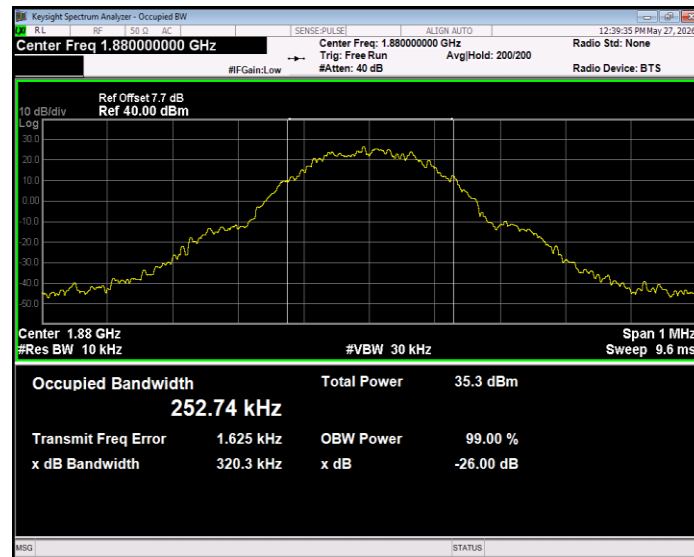
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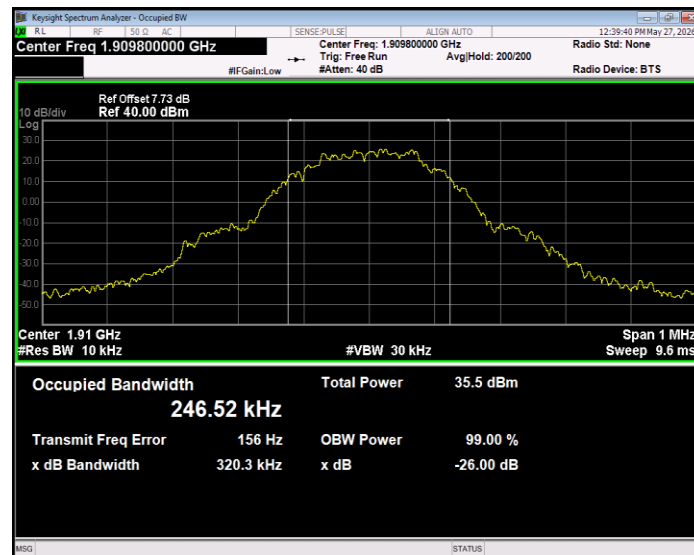


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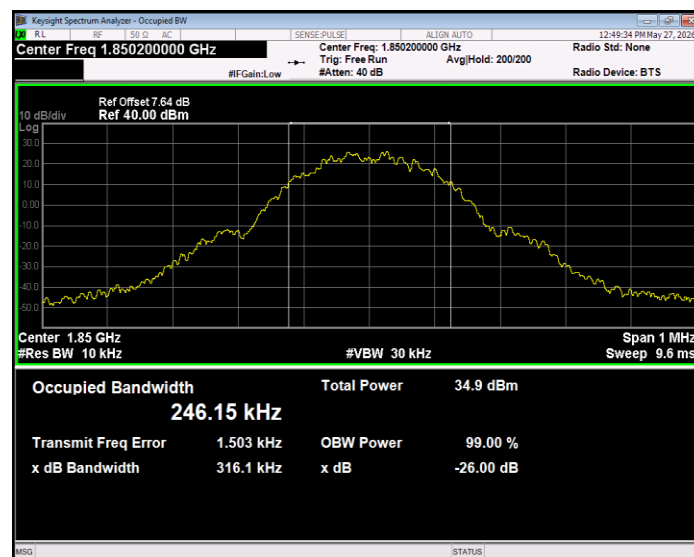
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GSM1900 Channel=810



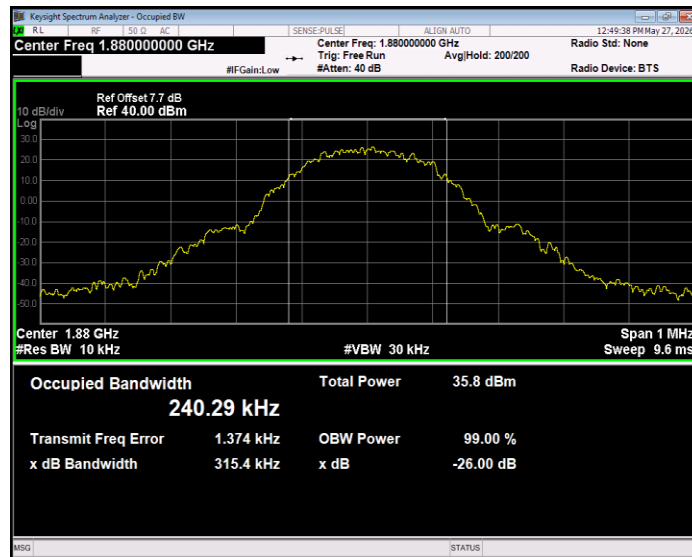
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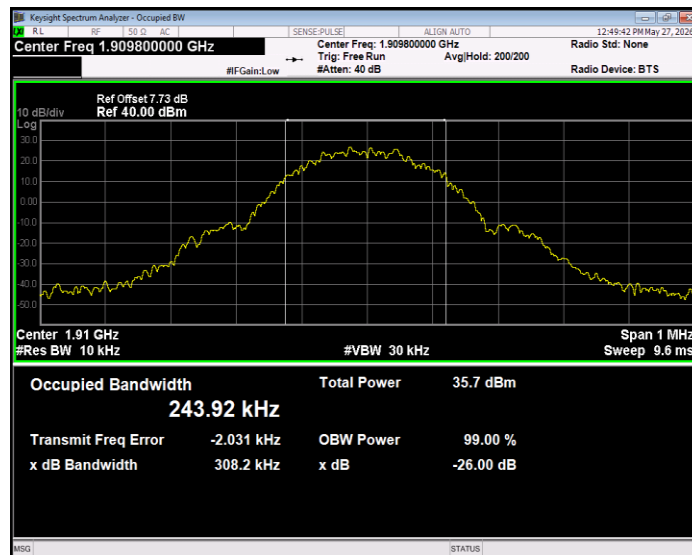


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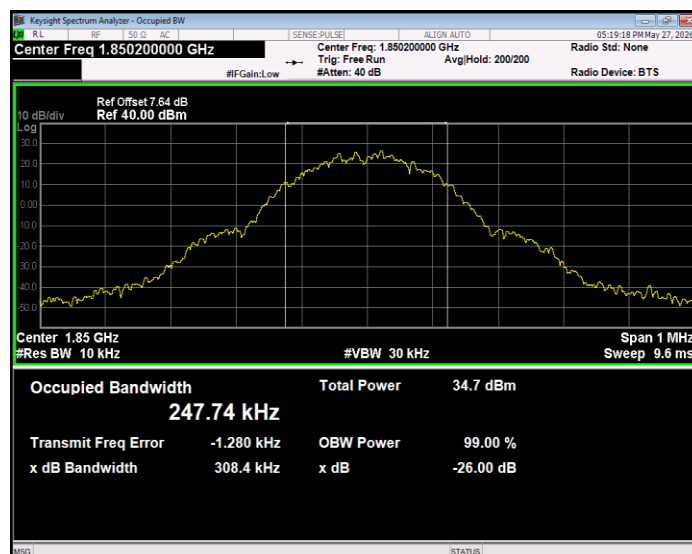
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GPRS1900 Channel=810



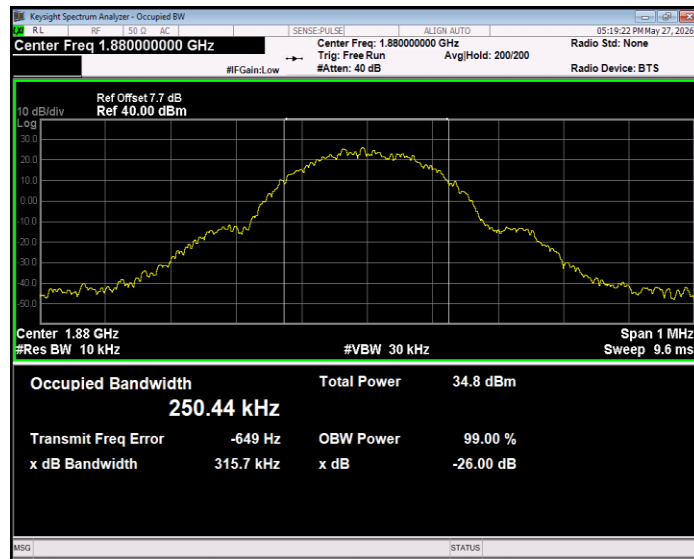
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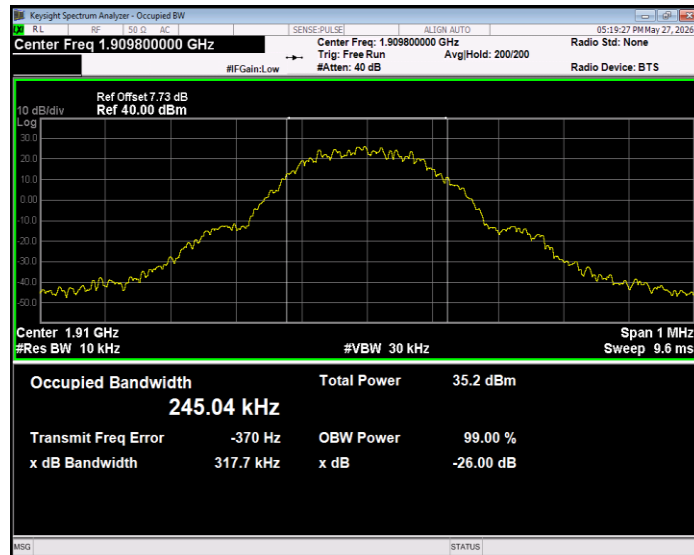


Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810



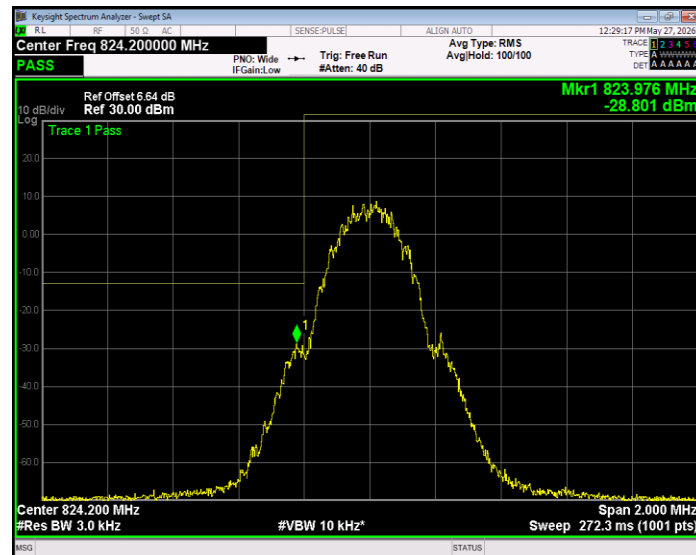


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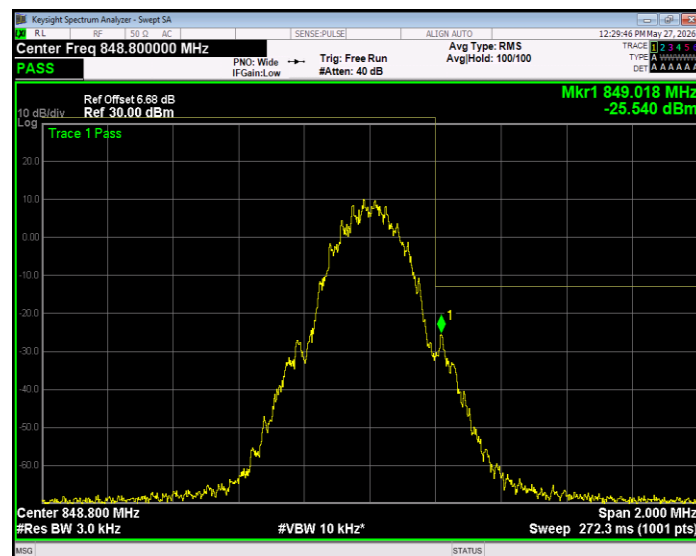
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	823.98	-28.80	-13	PASS
GSM850	251	848.8	849.02	-25.53	-13	PASS
GPRS850	128	824.2	823.98	-26.27	-13	PASS
GPRS850	251	848.8	849.02	-27.20	-13	PASS
EGPRS850	128	824.2	823.98	-28.19	-13	PASS
EGPRS850	251	848.8	849.02	-26.37	-13	PASS
GSM1900	512	1850.2	1849.98	-30.70	-13	PASS
GSM1900	810	1909.8	1910.02	-28.11	-13	PASS
GPRS1900	512	1850.2	1849.98	-29.99	-13	PASS
GPRS1900	810	1909.8	1910.02	-31.06	-13	PASS
EGPRS1900	512	1850.2	1849.98	-31.94	-13	PASS
EGPRS1900	810	1909.8	1910.02	-30.33	-13	PASS

GSM850 Channel=128



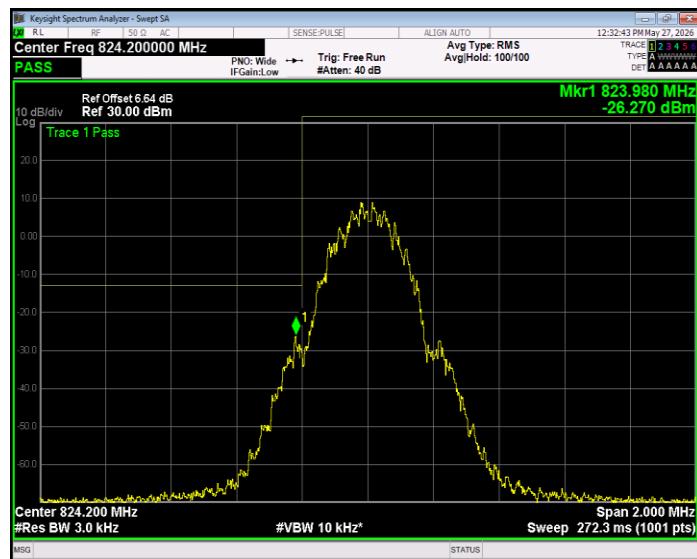
GSM850 Channel=251



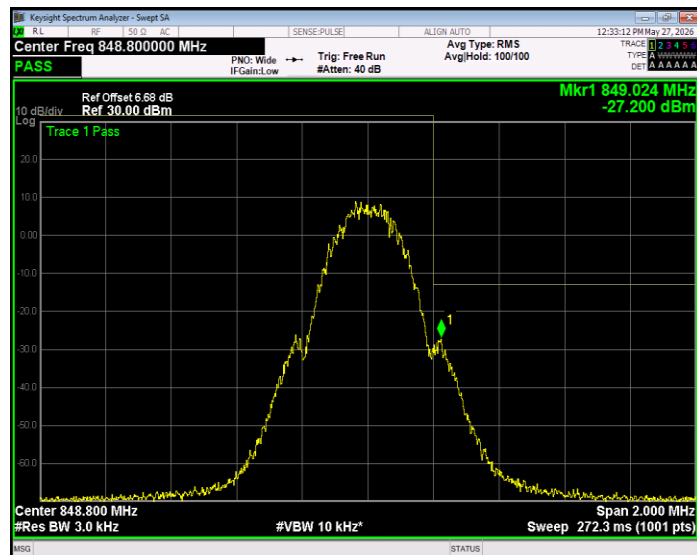


Report

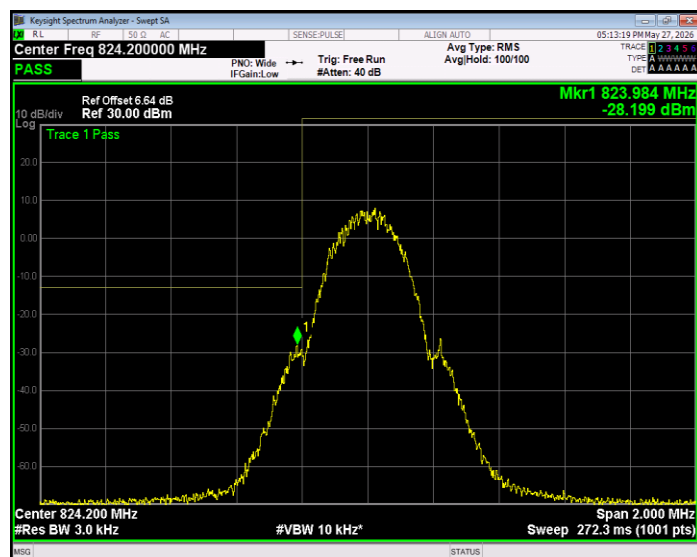
GPRS850 Channel=128



GPRS850 Channel=251



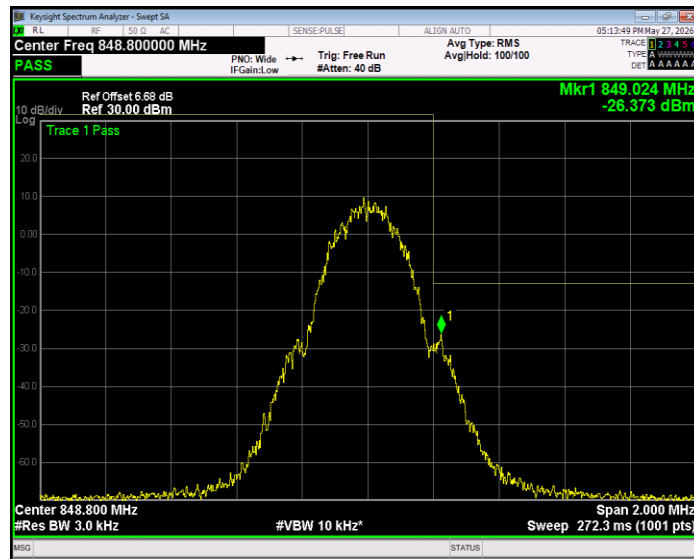
EGPRS850 Channel=128



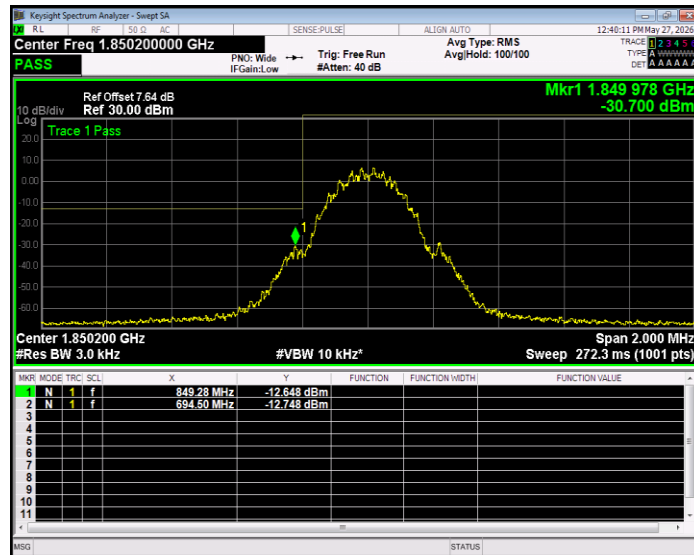


Report

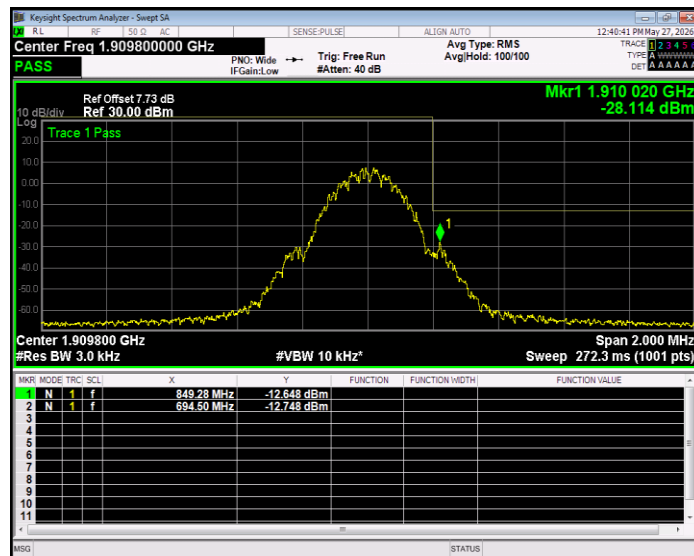
EGPRS850 Channel=251



GSM1900 Channel=512



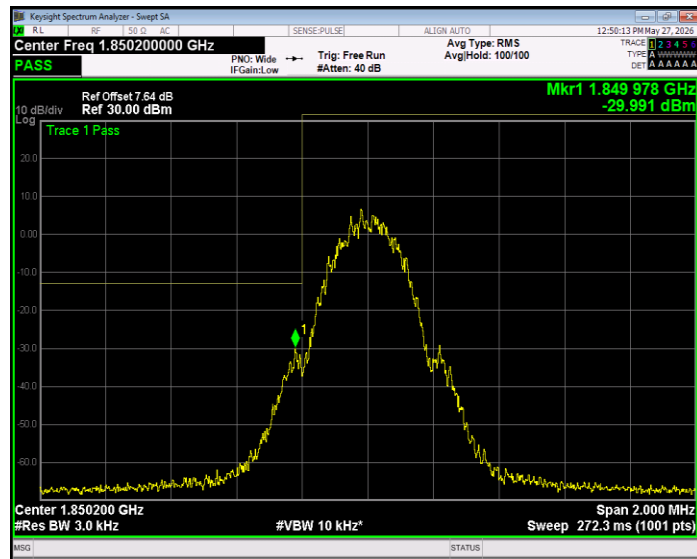
GSM1900 Channel=810



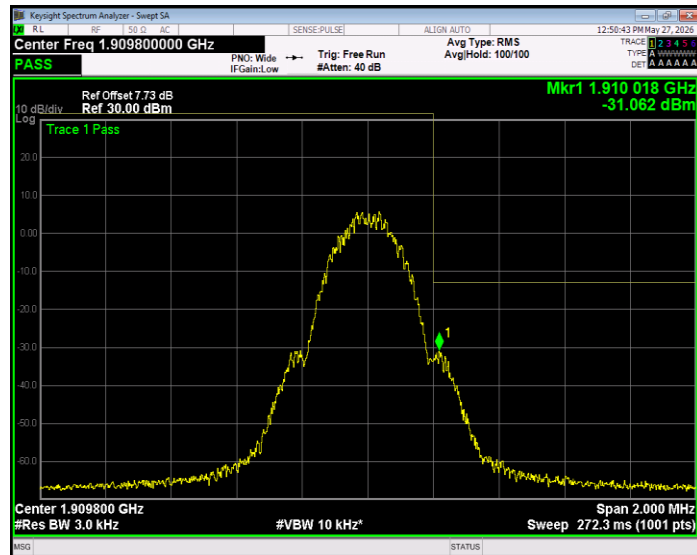


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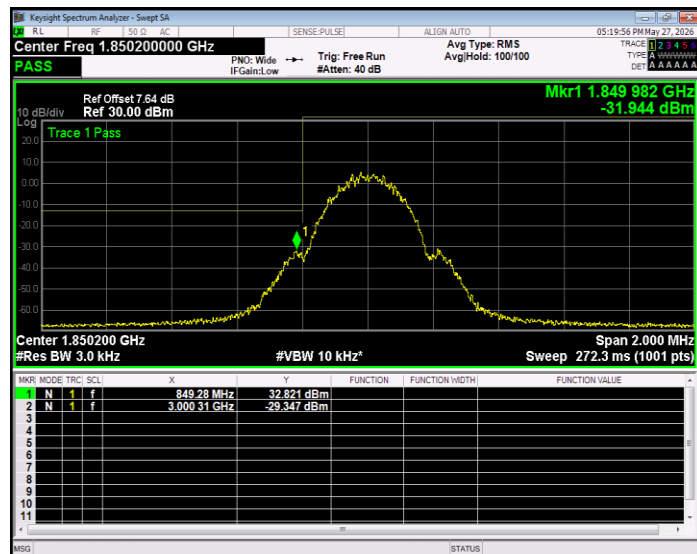
GPRS1900 Channel=512



GPRS1900 Channel=810



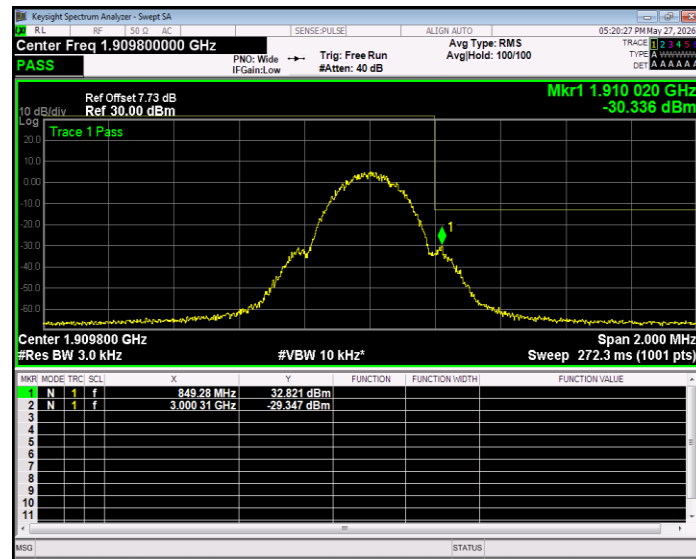
EGPRS1900 Channel=512





Report

EGPRS1900 Channel=810



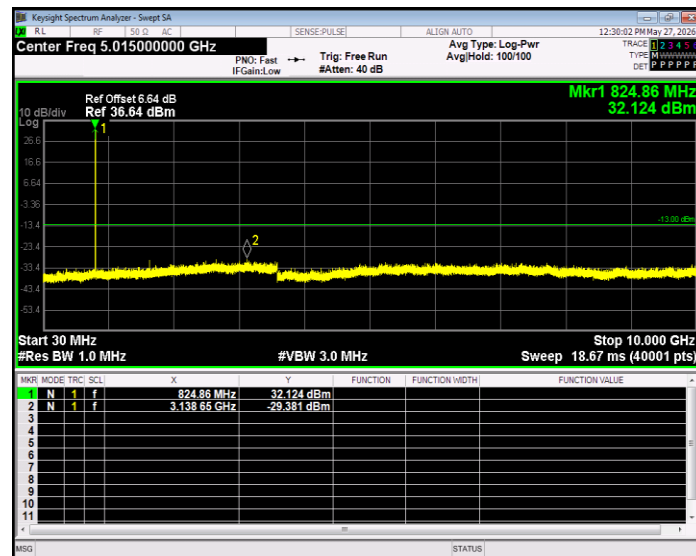


Report

Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	3138.65	-29.38	-13	PASS
GSM850	190	836.6	3273.74	-29.51	-13	PASS
GSM850	251	848.8	1698.23	-28.81	-13	PASS
GPRS850	128	824.2	1649.13	-29.00	-13	PASS
GPRS850	190	836.6	6998.03	-29.62	-13	PASS
GPRS850	251	848.8	1697.98	-29.22	-13	PASS
EGPRS850	128	824.2	2590.55	-29.48	-13	PASS
EGPRS850	190	836.6	3098.52	-29.61	-13	PASS
EGPRS850	251	848.8	3000.31	-29.34	-13	PASS
GSM1900	512	1850.2	19956.07	-23.24	-13	PASS
GSM1900	661	1880	19782.83	-23.26	-13	PASS
GSM1900	810	1909.8	19719.92	-23.65	-13	PASS
GPRS1900	512	1850.2	19003.50	-23.65	-13	PASS
GPRS1900	661	1880	19781.83	-22.80	-13	PASS
GPRS1900	810	1909.8	19756.87	-23.61	-13	PASS
EGPRS1900	512	1850.2	19576.64	-23.56	-13	PASS
EGPRS1900	661	1880	19508.74	-24.12	-13	PASS
EGPRS1900	810	1909.8	19812.28	-23.00	-13	PASS

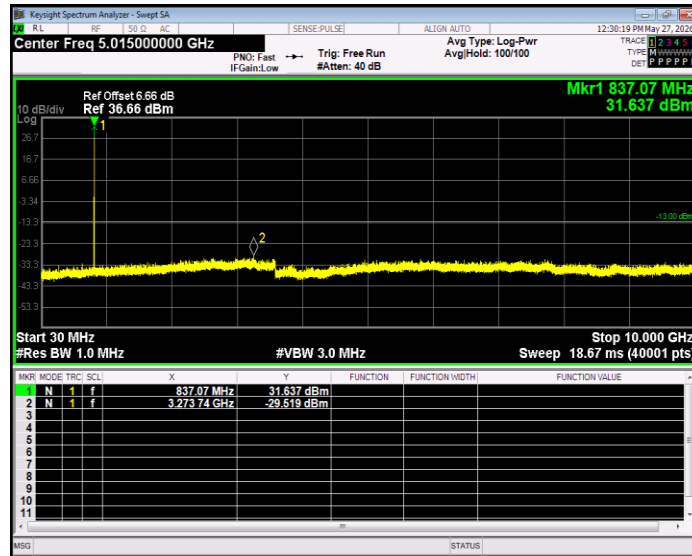
GSM850 Channel=128



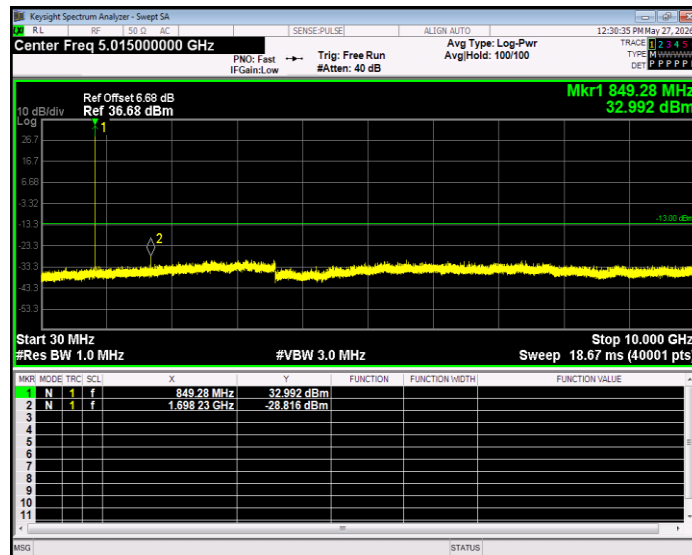
GSM850 Channel=190



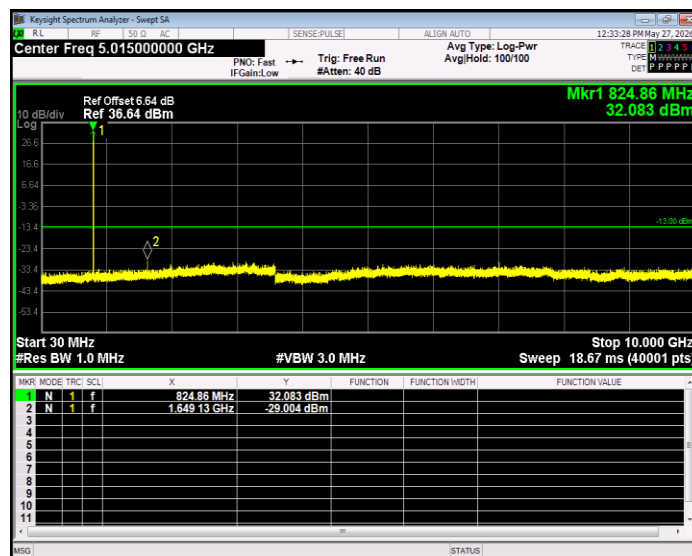
Report



GSM850 Channel=251



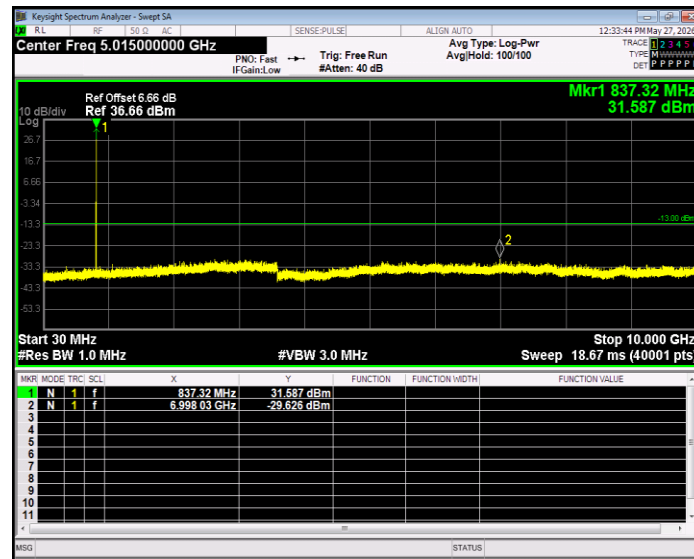
GPRS850 Channel=128



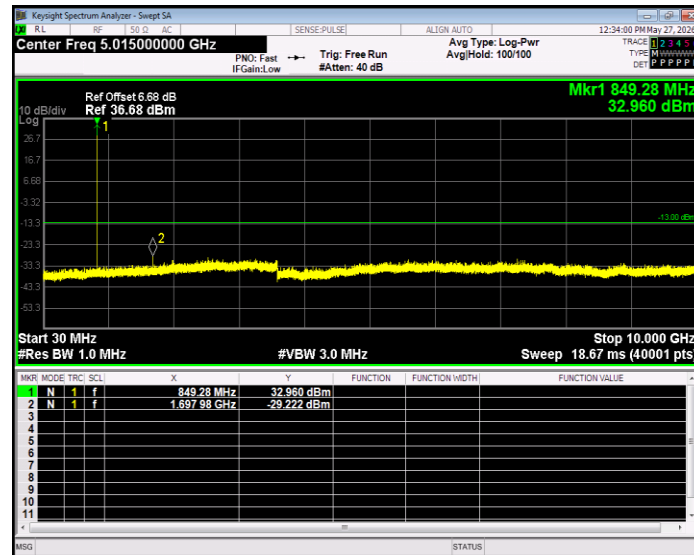


Report

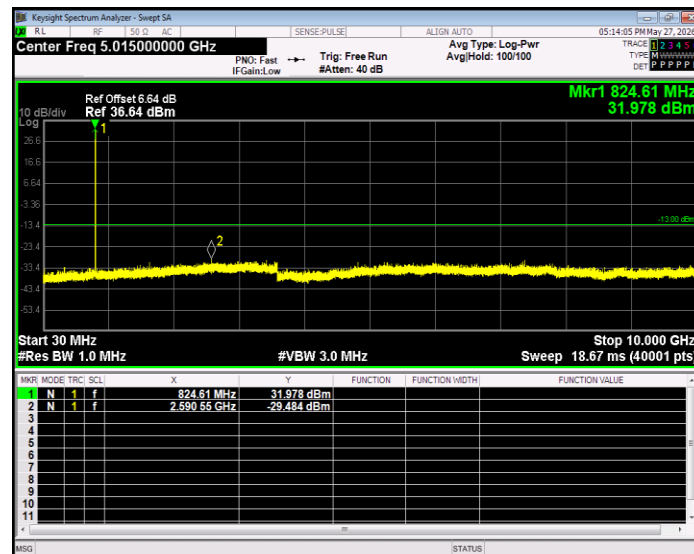
GPRS850 Channel=190



GPRS850 Channel=251



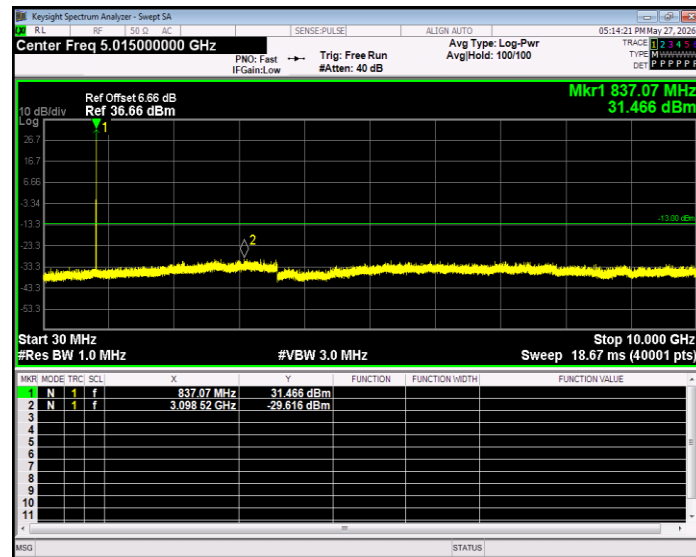
EGPRS850 Channel=128



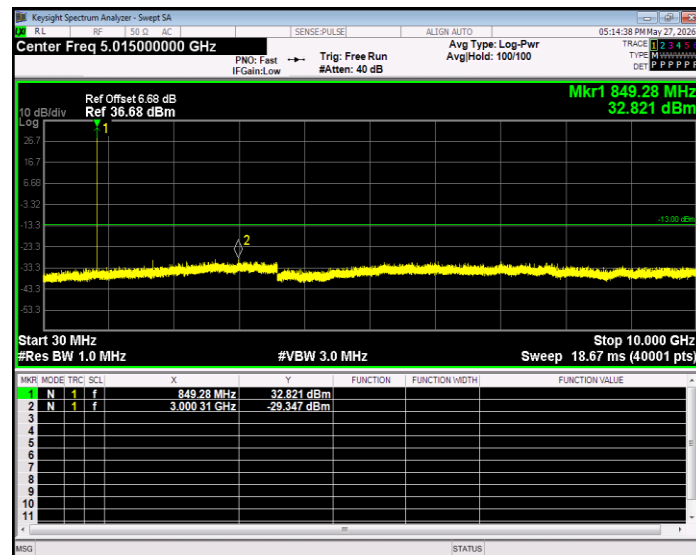


Report

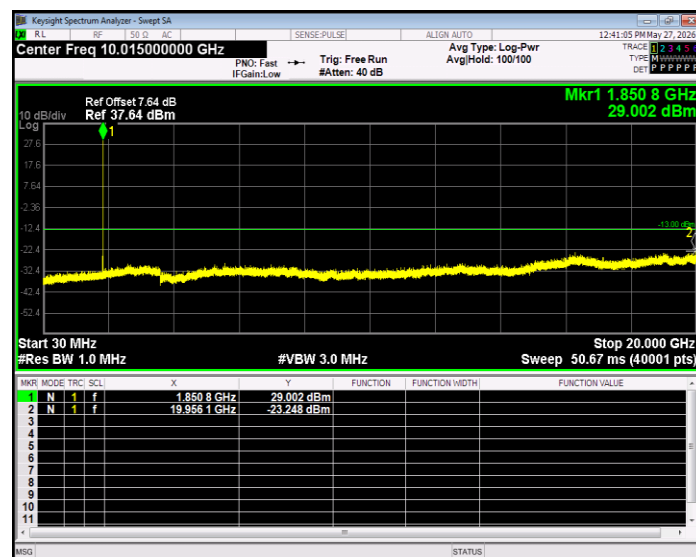
EGPRS850 Channel=190



EGPRS850 Channel=251



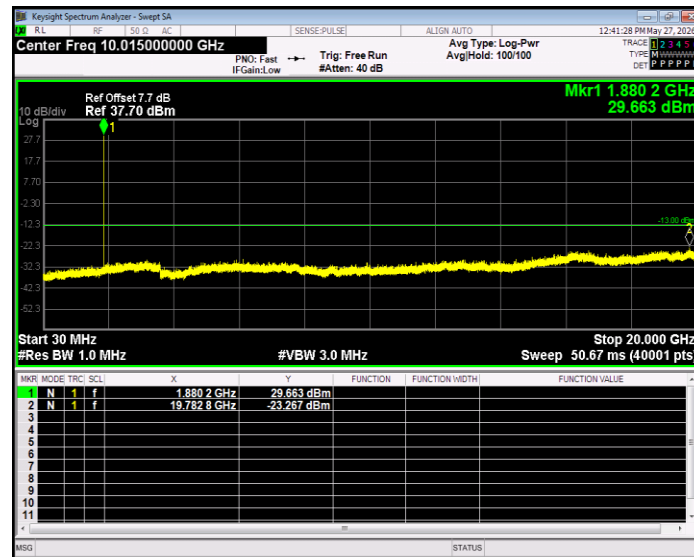
GSM1900 Channel=512



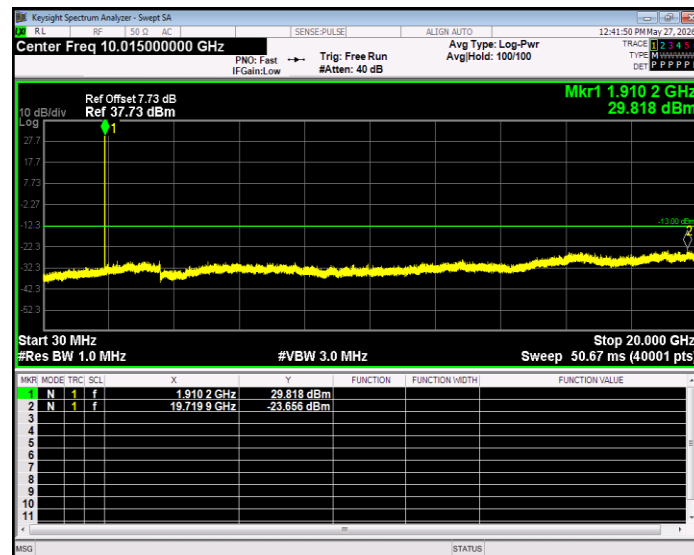


Report

GSM1900 Channel=661



GSM1900 Channel=810



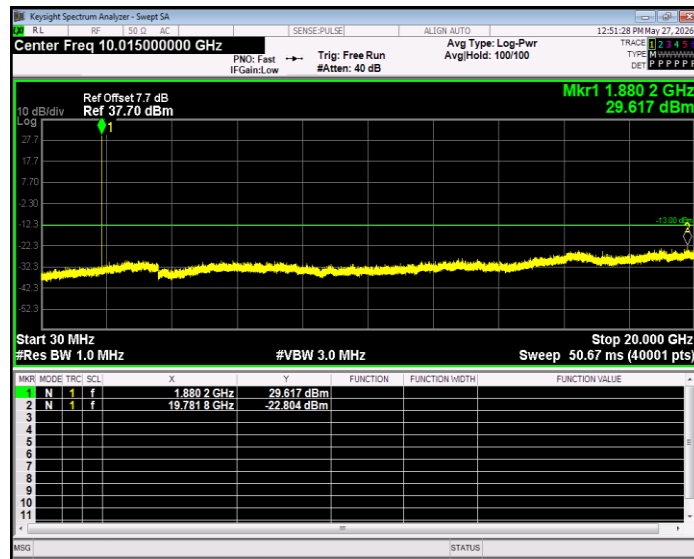
GPRS1900 Channel=512



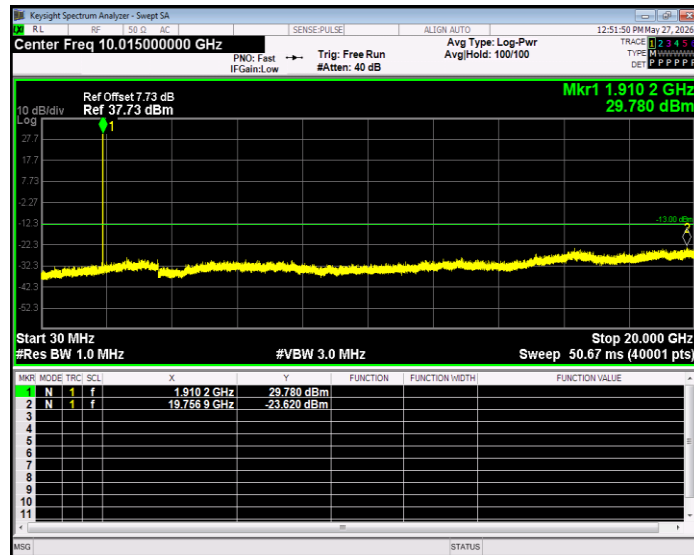


Report

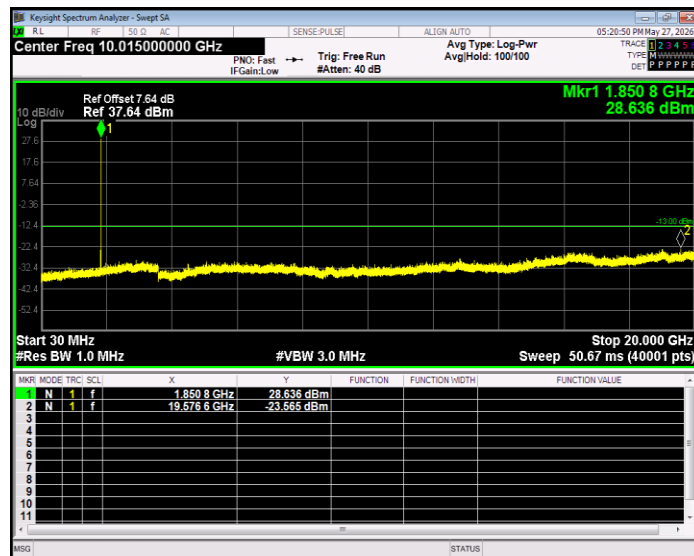
GPRS1900 Channel=661



GPRS1900 Channel=810



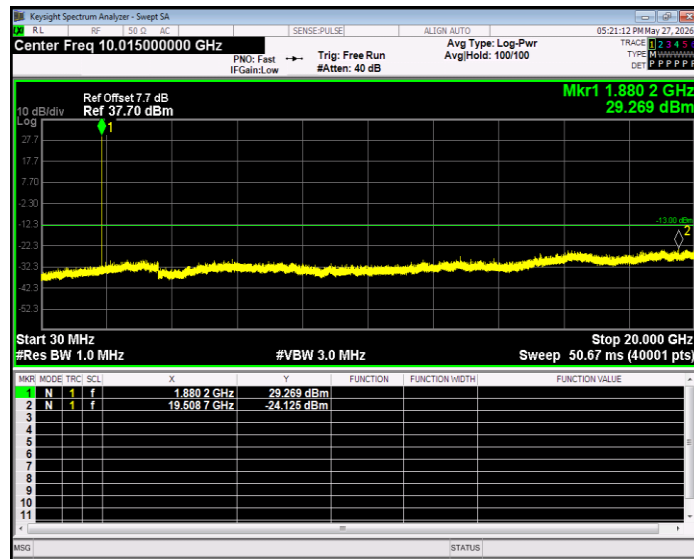
EGPRS1900 Channel=512





Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810

