



Report

Contents

Conducted output power	2
Frequency stability	4
Peak-to-Average Ratio.....	7
Occupied bandwidth.....	14
Band edge.....	21
Out-of-band emissions.....	26



Report

Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	ERP (dBm)	ERP Limit (dBm)	Verdict
GSM850	128	824.2	33.68	-1.4	30.13	38.45	PASS
GSM850	190	836.6	33.98	-1.4	30.43	38.45	PASS
GSM850	251	848.8	33.47	-1.4	29.92	38.45	PASS
GPRS850 1 Slot	128	824.2	33.69	-1.4	30.14	38.45	PASS
GPRS850 1 Slot	190	836.6	34.05	-1.4	30.50	38.45	PASS
GPRS850 1 Slot	251	848.8	33.56	-1.4	30.01	38.45	PASS
GPRS850 2 Slot	128	824.2	30.40	-1.4	26.85	38.45	PASS
GPRS850 2 Slot	190	836.6	30.95	-1.4	27.40	38.45	PASS
GPRS850 2 Slot	251	848.8	30.73	-1.4	27.18	38.45	PASS
GPRS850 3 Slot	128	824.2	28.63	-1.4	25.08	38.45	PASS
GPRS850 3 Slot	190	836.6	29.06	-1.4	25.51	38.45	PASS
GPRS850 3 Slot	251	848.8	28.79	-1.4	25.24	38.45	PASS
GPRS850 4 Slot	128	824.2	27.31	-1.4	23.76	38.45	PASS
GPRS850 4 Slot	190	836.6	27.74	-1.4	24.19	38.45	PASS
GPRS850 4 Slot	251	848.8	27.41	-1.4	23.86	38.45	PASS
EGPRS850 1 Slot	128	824.2	26.11	-1.4	22.56	38.45	PASS
EGPRS850 1 Slot	190	836.6	26.37	-1.4	22.82	38.45	PASS
EGPRS850 1 Slot	251	848.8	25.86	-1.4	22.31	38.45	PASS
EGPRS850 2 Slot	128	824.2	25.25	-1.4	21.70	38.45	PASS
EGPRS850 2 Slot	190	836.6	25.95	-1.4	22.40	38.45	PASS
EGPRS850 2 Slot	251	848.8	26.04	-1.4	22.49	38.45	PASS
EGPRS850 3 Slot	128	824.2	22.83	-1.4	19.28	38.45	PASS
EGPRS850 3 Slot	190	836.6	22.75	-1.4	19.20	38.45	PASS
EGPRS850 3 Slot	251	848.8	22.78	-1.4	19.23	38.45	PASS
EGPRS850 4 Slot	128	824.2	20.94	-1.4	17.39	38.45	PASS
EGPRS850 4 Slot	190	836.6	21.20	-1.4	17.65	38.45	PASS
EGPRS850 4 Slot	251	848.8	20.87	-1.4	17.32	38.45	PASS



Report

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
GSM1900	512	1850.2	30.21	-0.9	29.31	33.01	PASS
GSM1900	661	1880	29.84	-0.9	28.94	33.01	PASS
GSM1900	810	1909.8	30.08	-0.9	29.18	33.01	PASS
GPRS1900 1 Slot	512	1850.2	30.38	-0.9	29.48	33.01	PASS
GPRS1900 1 Slot	661	1880	30.08	-0.9	29.18	33.01	PASS
GPRS1900 1 Slot	810	1909.8	30.27	-0.9	29.37	33.01	PASS
GPRS1900 2 Slot	512	1850.2	28.39	-0.9	27.49	33.01	PASS
GPRS1900 2 Slot	661	1880	28.00	-0.9	27.10	33.01	PASS
GPRS1900 2 Slot	810	1909.8	28.33	-0.9	27.43	33.01	PASS
GPRS1900 3 Slot	512	1850.2	27.09	-0.9	26.19	33.01	PASS
GPRS1900 3 Slot	661	1880	26.59	-0.9	25.69	33.01	PASS
GPRS1900 3 Slot	810	1909.8	27.06	-0.9	26.16	33.01	PASS
GPRS1900 4 Slot	512	1850.2	25.73	-0.9	24.83	33.01	PASS
GPRS1900 4 Slot	661	1880	25.31	-0.9	24.41	33.01	PASS
GPRS1900 4 Slot	810	1909.8	25.61	-0.9	24.71	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	23.91	-0.9	23.01	33.01	PASS
EGPRS1900 1 Slot	661	1880	23.53	-0.9	22.63	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	24.07	-0.9	23.17	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	23.43	-0.9	22.53	33.01	PASS
EGPRS1900 2 Slot	661	1880	22.48	-0.9	21.58	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	23.15	-0.9	22.25	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	20.75	-0.9	19.85	33.01	PASS
EGPRS1900 3 Slot	661	1880	20.26	-0.9	19.36	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	20.29	-0.9	19.39	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	18.35	-0.9	17.45	33.01	PASS
EGPRS1900 4 Slot	661	1880	17.23	-0.9	16.33	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	18.16	-0.9	17.26	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	3.70	0.004	2.5ppm	PASS
40		-3.26	-0.004		
30		3.21	0.004		
20		5.32	0.006		
10		-3.19	-0.004		
0		-3.42	-0.004		
-10		-3.76	-0.004		
-20		3.54	0.004		
-30		3.37	0.004		
20	Maximum Voltage	3.77	0.005		
20	BEP	-3.69	-0.004		

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.78	0.005	2.5ppm	PASS
40		-3.62	-0.004		
30		-3.72	-0.004		
20		5.37	0.006		
10		3.70	0.004		
0		-3.62	-0.004		
-10		-3.41	-0.004		
-20		3.58	0.004		
-30		-3.24	-0.004		
20	Maximum Voltage	3.47	0.004		
20	BEP	-3.27	-0.004		



Report

EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-3.53	-0.004	2.5ppm	PASS
40		-3.68	-0.004		
30		3.59	0.004		
20		5.34	0.006		
10		-3.60	-0.004		
0		-3.67	-0.004		
-10		-3.72	-0.004		
-20		-3.71	-0.004		
-30		-3.45	-0.004		
20	Maximum Voltage	-3.48	-0.004		
20	BEP	-3.57	-0.004		

GSM 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.28	0.002	Within Authorized Band	PASS
40		3.51	0.002		
30		-3.71	-0.002		
20		5.24	0.003		
10		-3.50	-0.002		
0		3.34	0.002		
-10		-3.70	-0.002		
-20		-3.35	-0.002		
-30		-3.37	-0.002		
20	Maximum Voltage	-3.22	-0.002		
20	BEP	3.74	0.002		



Report

GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.39	0.002	Within Authorized Band	PASS
40		3.52	0.002		
30		3.20	0.002		
20		5.12	0.003		
10		3.20	0.002		
0		-3.31	-0.002		
-10		-3.54	-0.002		
-20		3.39	0.002		
-30		3.18	0.002		
20	Maximum Voltage	3.18	0.002		
20	BEP	3.68	0.002		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-3.50	-0.002	Within Authorized Band	PASS
40		-3.86	-0.002		
30		-3.81	-0.002		
20		5.87	0.003		
10		-3.79	-0.002		
0		-4.05	-0.002		
-10		-3.99	-0.002		
-20		-3.94	-0.002		
-30		-3.92	-0.002		
20	Maximum Voltage	-3.60	-0.002		
20	BEP	4.02	0.002		

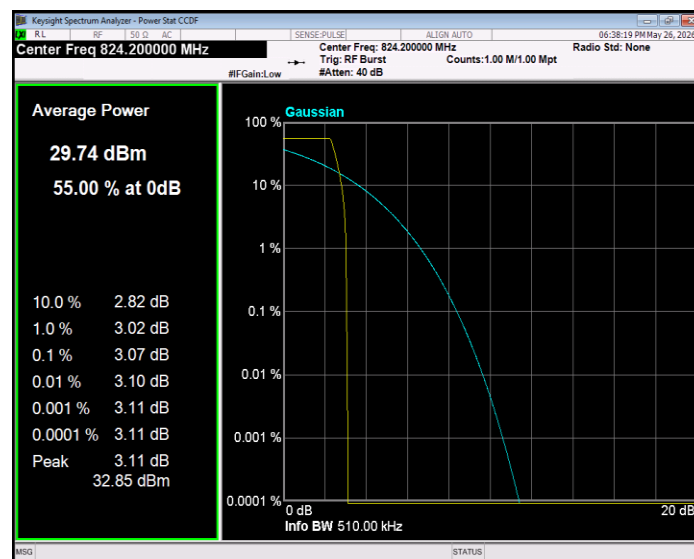


Report

Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM850	128	824.2	3.07	13	PASS
GSM850	190	836.6	2.76	13	PASS
GSM850	251	848.8	2.83	13	PASS
GPRS850	128	824.2	3.10	13	PASS
GPRS850	190	836.6	2.79	13	PASS
GPRS850	251	848.8	2.85	13	PASS
EGPRS850	128	824.2	10.41	13	PASS
EGPRS850	190	836.6	10.22	13	PASS
EGPRS850	251	848.8	9.97	13	PASS
GSM1900	512	1850.2	2.86	13	PASS
GSM1900	661	1880	2.93	13	PASS
GSM1900	810	1909.8	2.94	13	PASS
GPRS1900	512	1850.2	2.89	13	PASS
GPRS1900	661	1880	2.95	13	PASS
GPRS1900	810	1909.8	2.96	13	PASS
EGPRS1900	512	1850.2	8.85	13	PASS
EGPRS1900	661	1880	9.15	13	PASS
EGPRS1900	810	1909.8	8.97	13	PASS

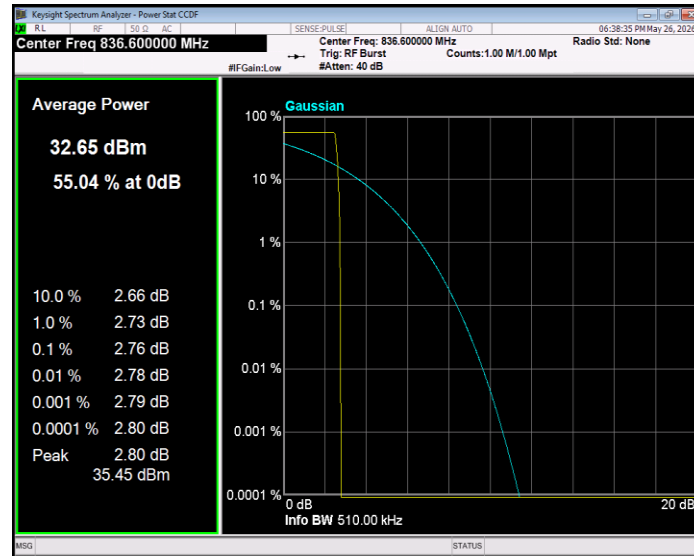
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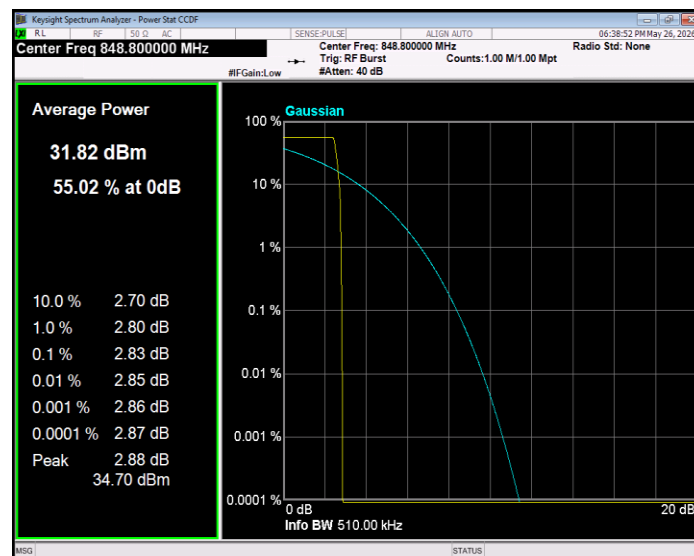
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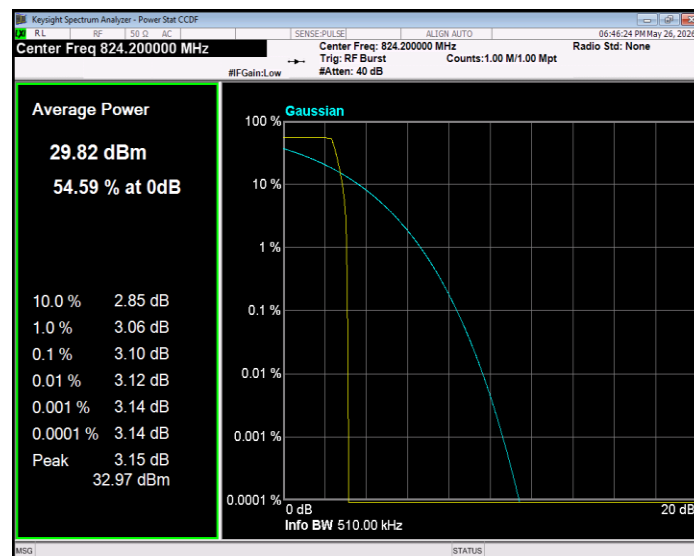
Report



GSM850 Channel=251



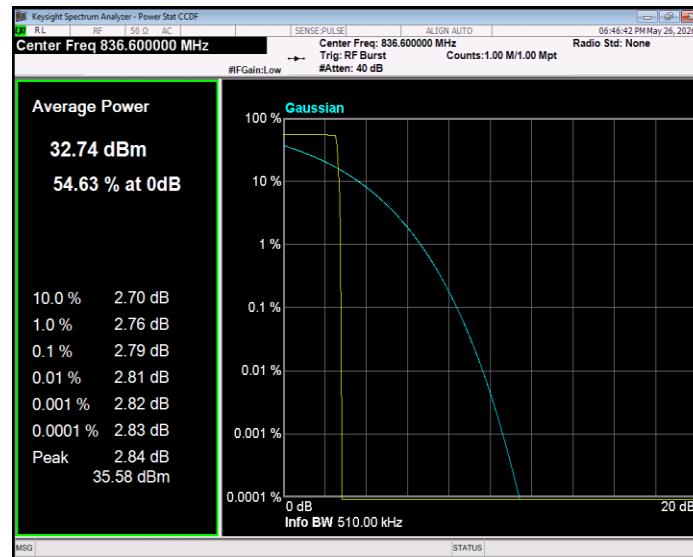
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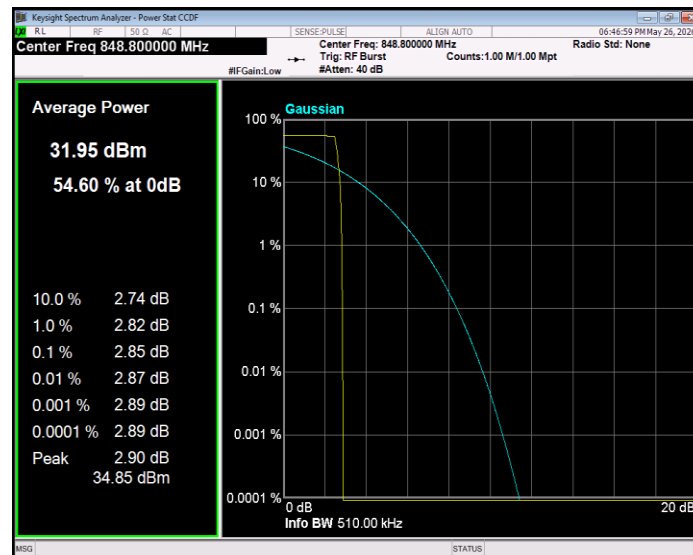


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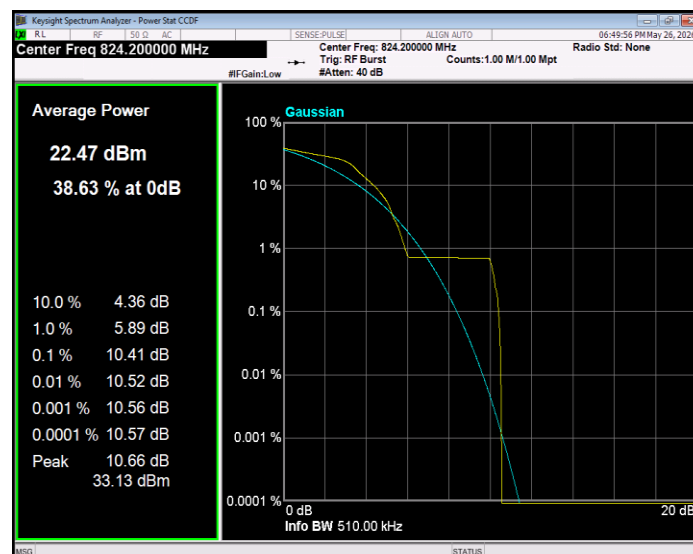
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GPRS850 Channel=251



EGPRS850 Channel=128



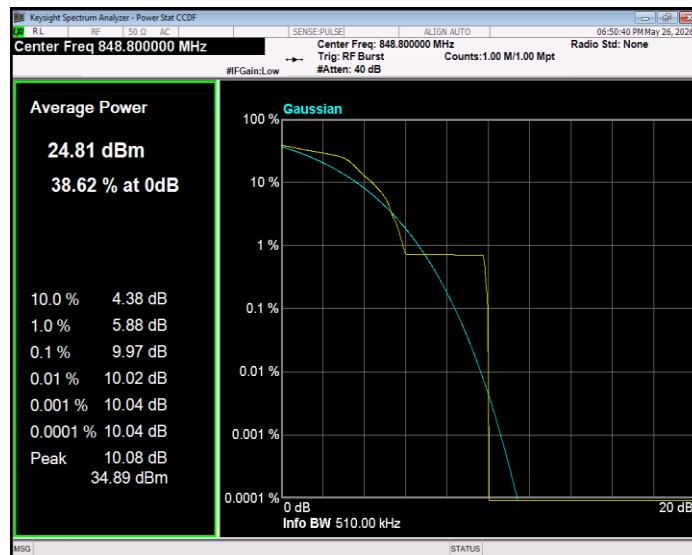


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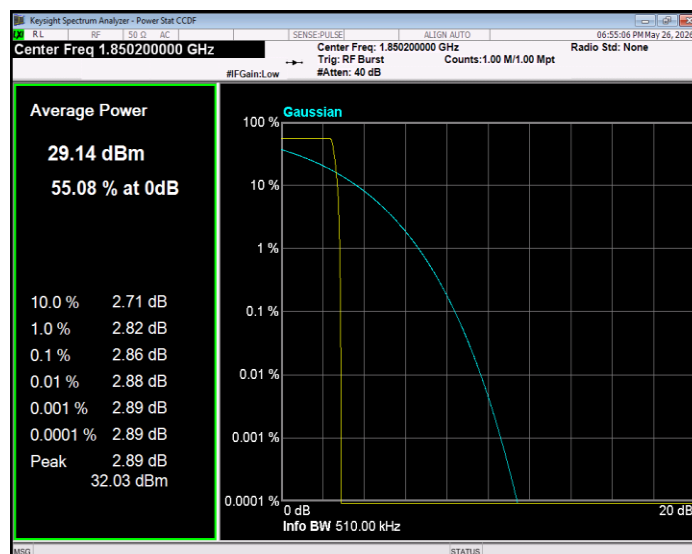
EGPRS850 Channel=190



EGPRS850 Channel=251



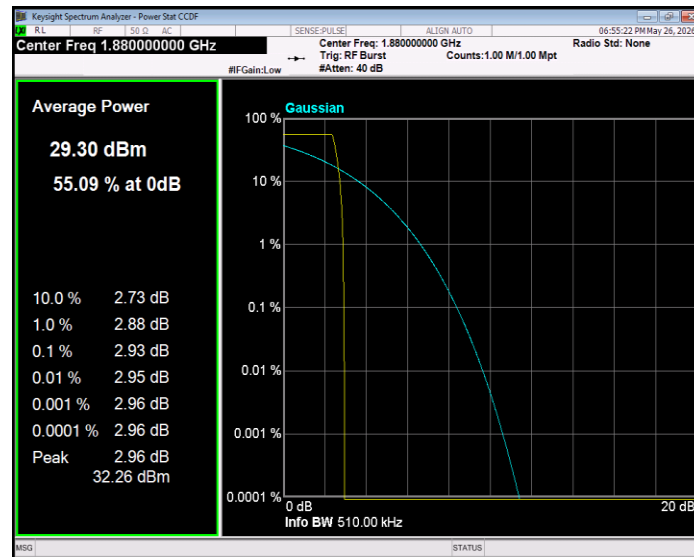
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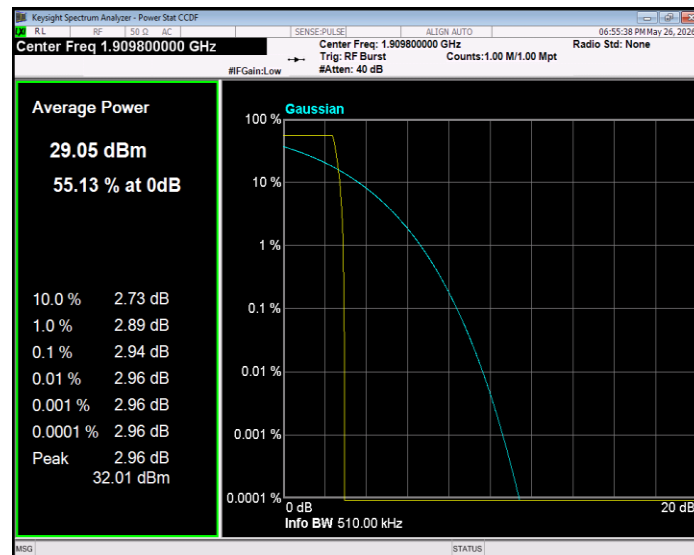


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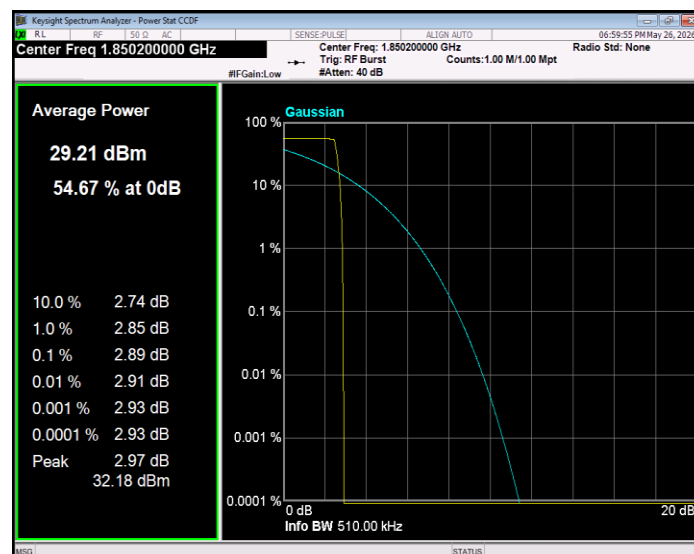
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GSM1900 Channel=810



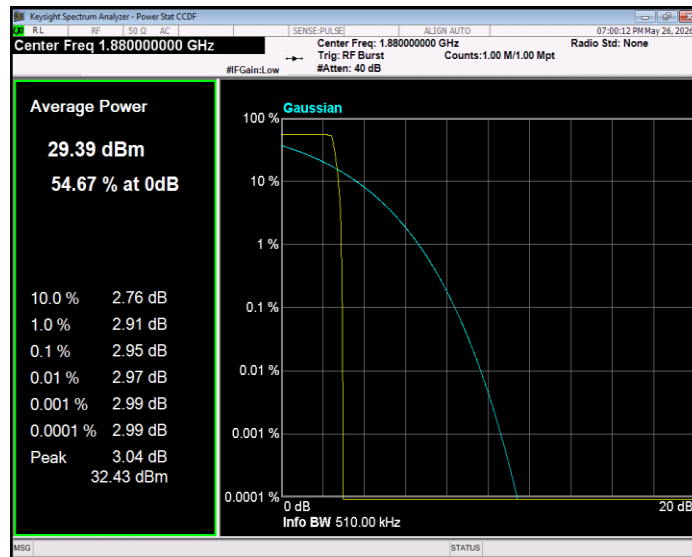
GPRS1900 Channel=512



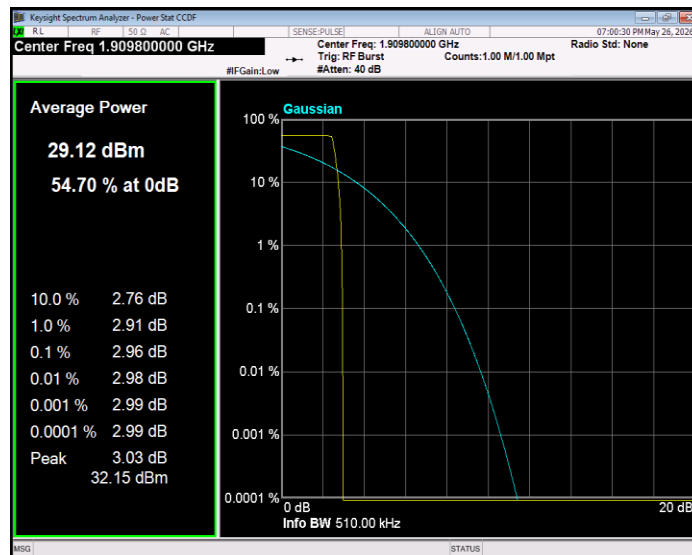


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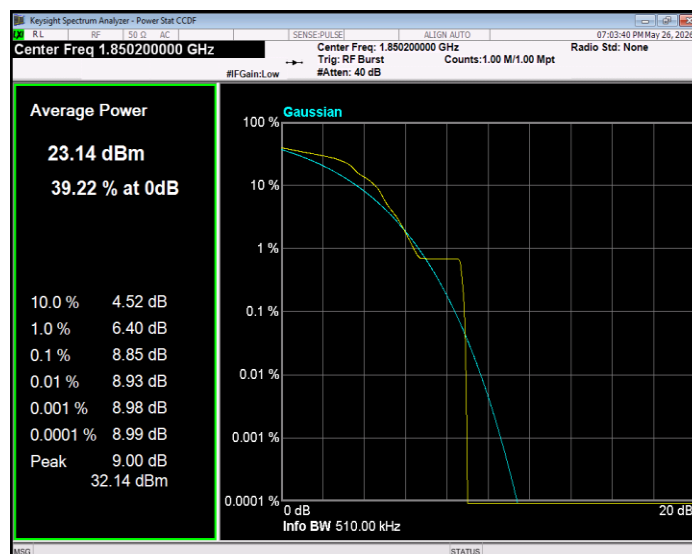
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GPRS1900 Channel=810



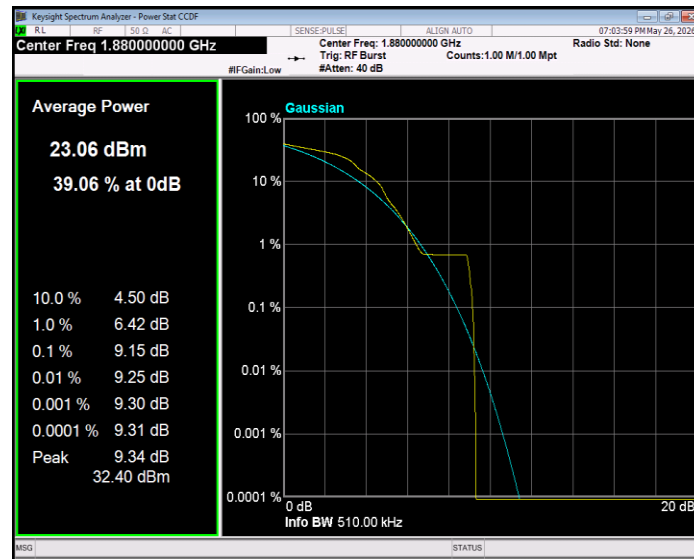
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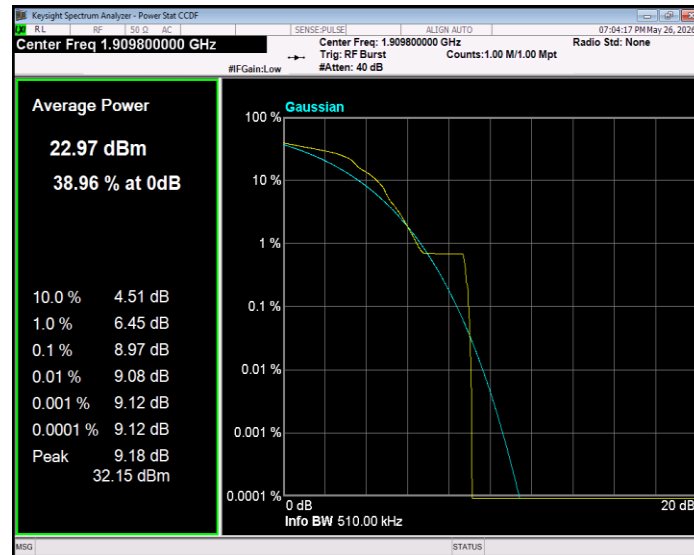


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EGPRS1900 Channel=661



EGPRS1900 Channel=810



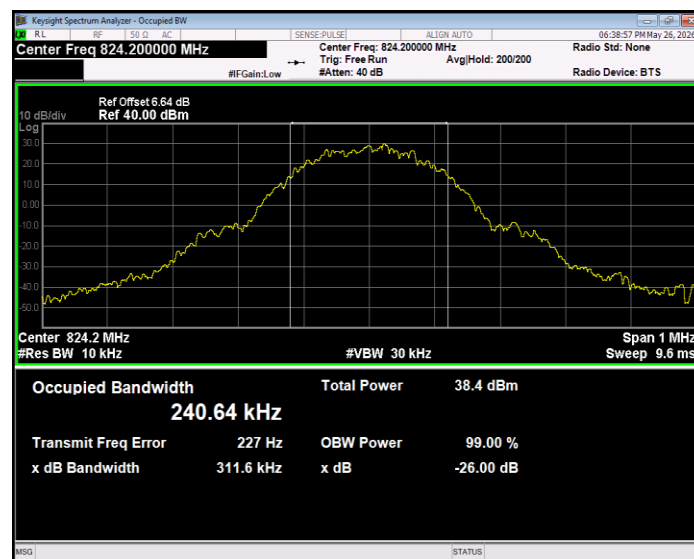


Report

Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM850	128	824.2	240.644	311.602	PASS
GSM850	190	836.6	248.434	317.540	PASS
GSM850	251	848.8	243.955	315.852	PASS
GPRS850	128	824.2	247.702	316.427	PASS
GPRS850	190	836.6	243.274	309.772	PASS
GPRS850	251	848.8	242.957	319.198	PASS
EGPRS850	128	824.2	245.418	302.756	PASS
EGPRS850	190	836.6	246.420	307.158	PASS
EGPRS850	251	848.8	246.761	292.149	PASS
GSM1900	512	1850.2	249.515	319.361	PASS
GSM1900	661	1880	248.593	317.558	PASS
GSM1900	810	1909.8	248.051	312.357	PASS
GPRS1900	512	1850.2	245.638	317.520	PASS
GPRS1900	661	1880	243.644	311.818	PASS
GPRS1900	810	1909.8	238.450	312.748	PASS
EGPRS1900	512	1850.2	243.323	289.539	PASS
EGPRS1900	661	1880	252.425	305.778	PASS
EGPRS1900	810	1909.8	246.502	302.736	PASS

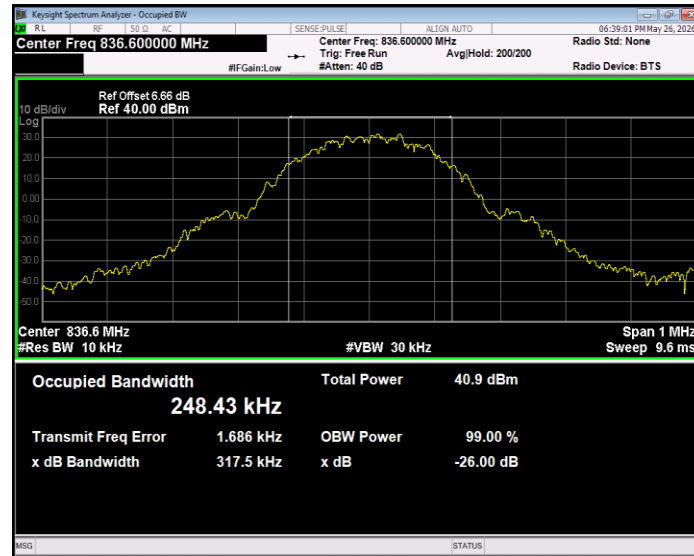
GSM850 Channel=128



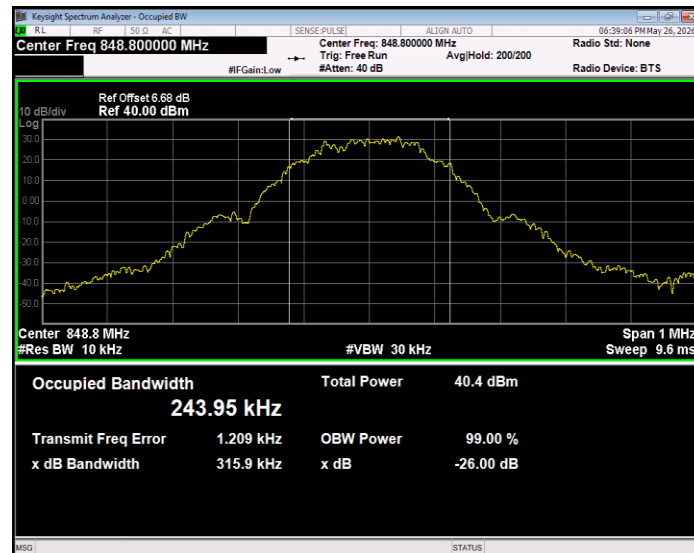
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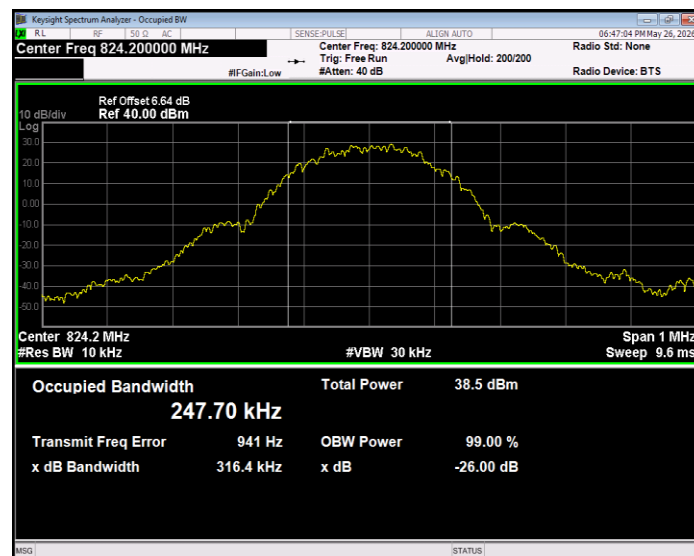
Report



GSM850 Channel=251



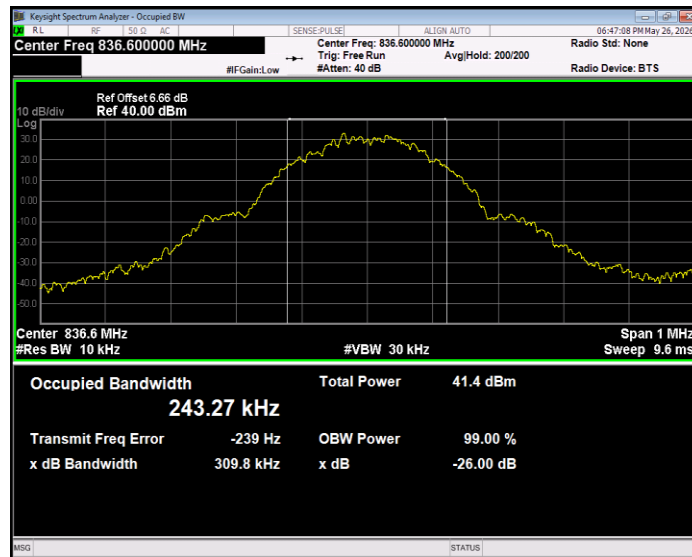
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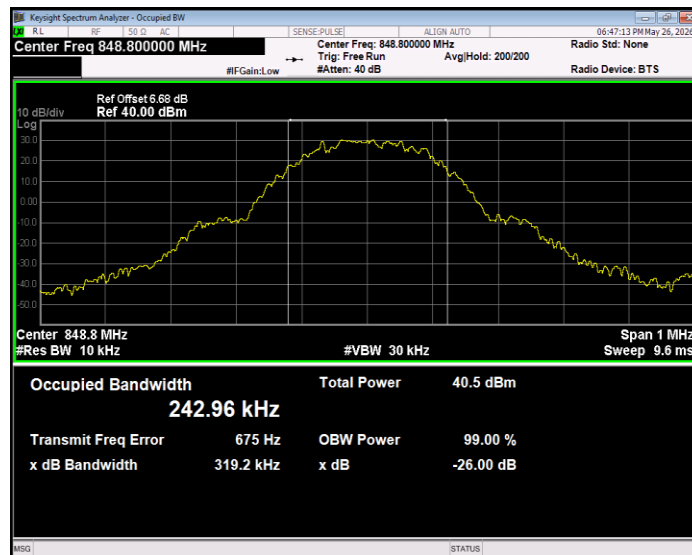


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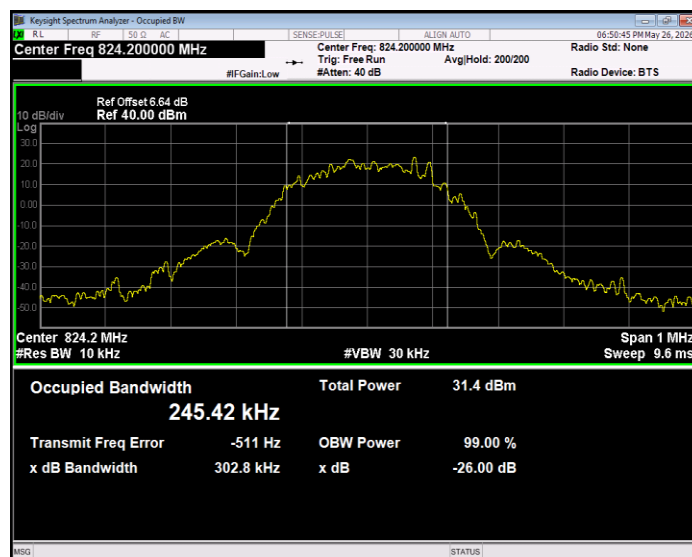
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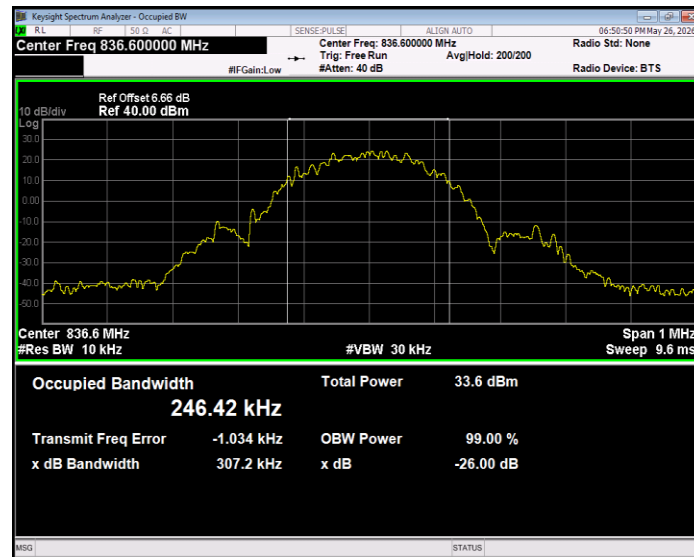
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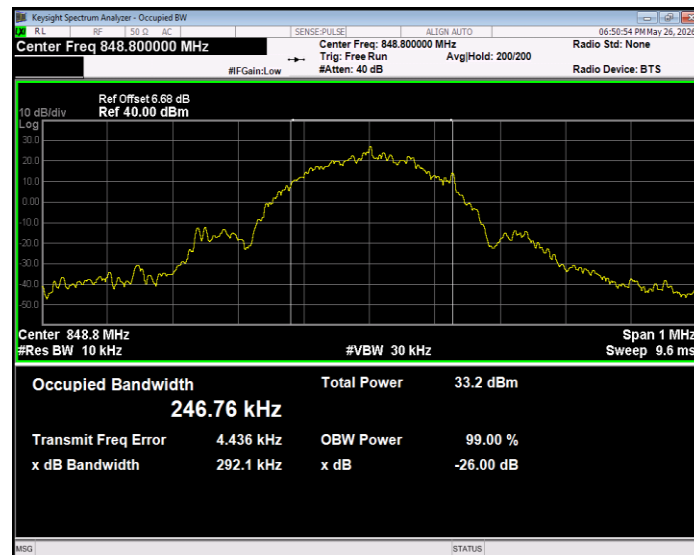


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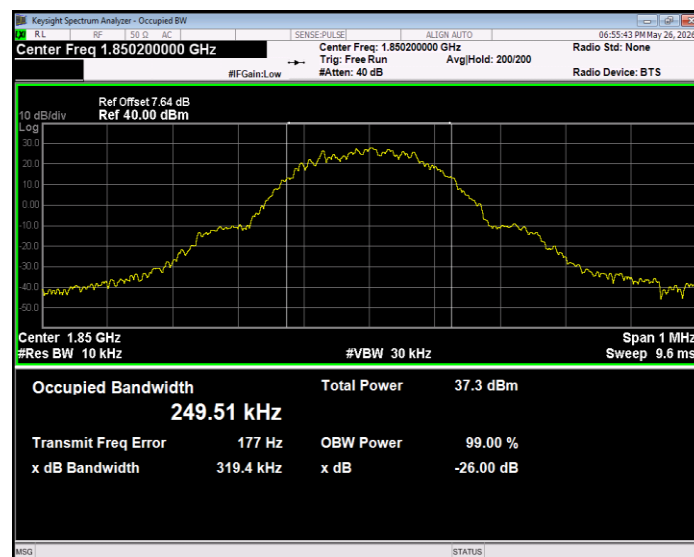
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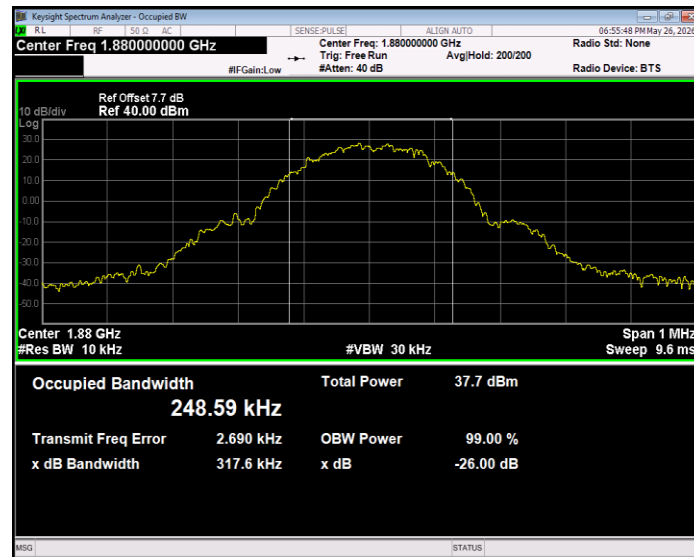
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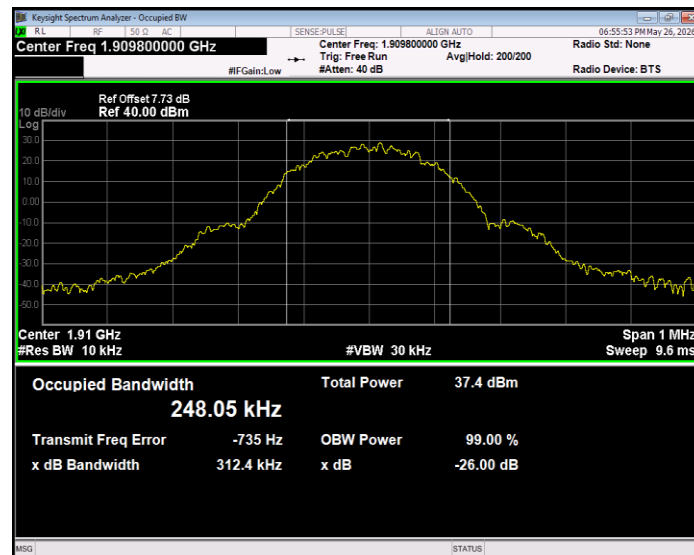


Report

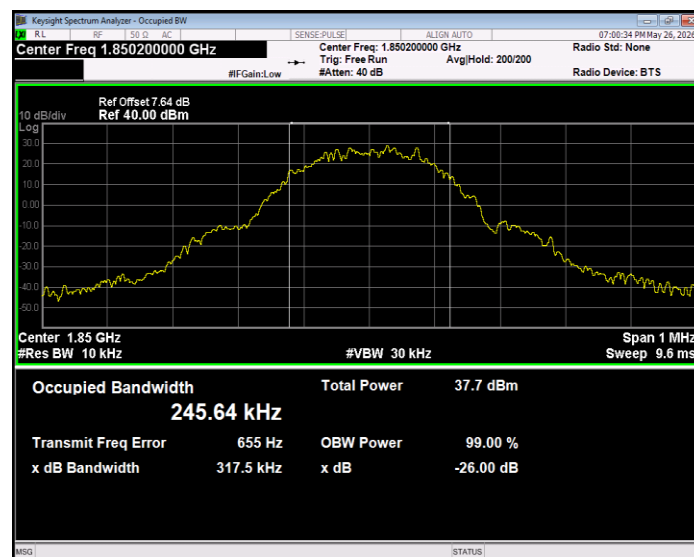
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GSM1900 Channel=810



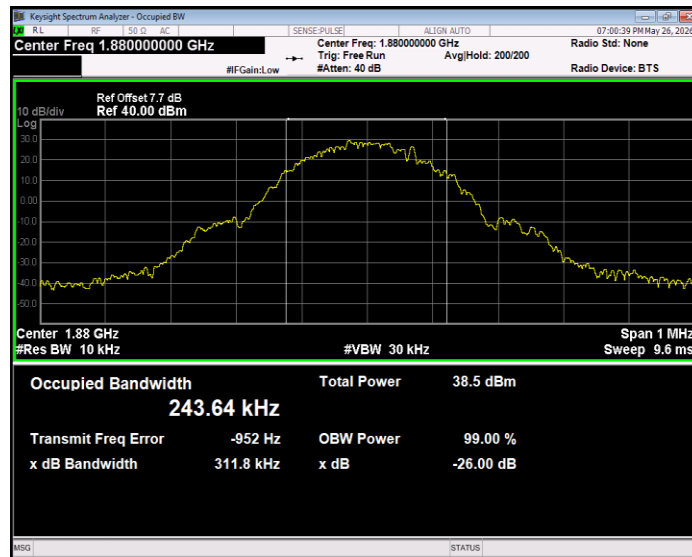
GPRS1900 Channel=512



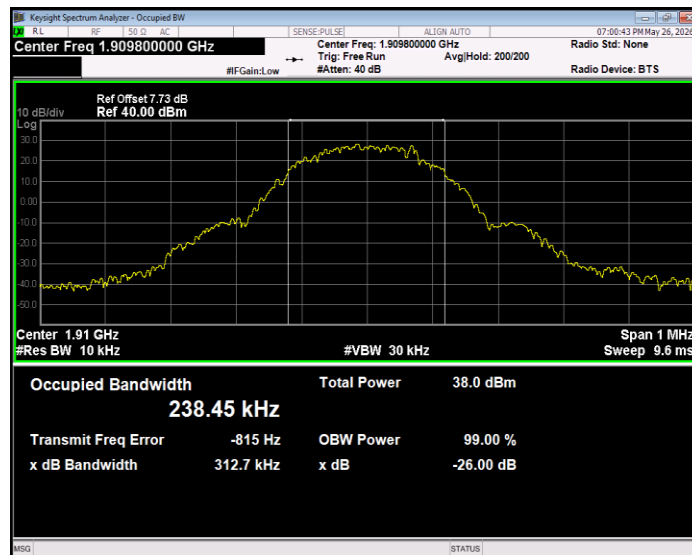


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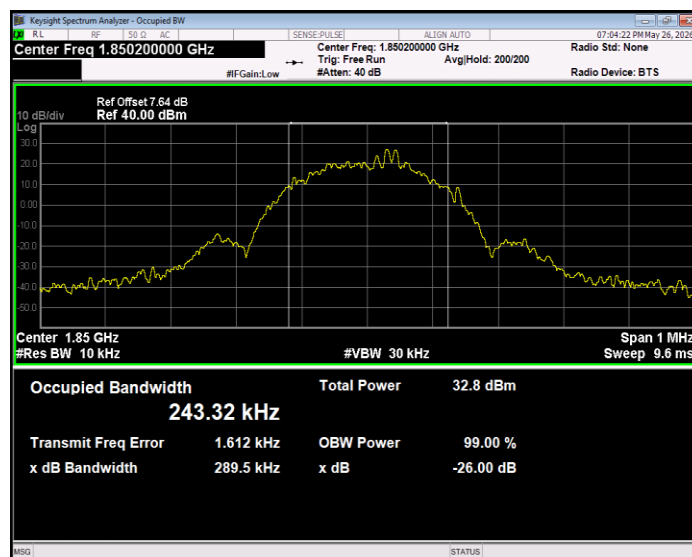
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GPRS1900 Channel=810



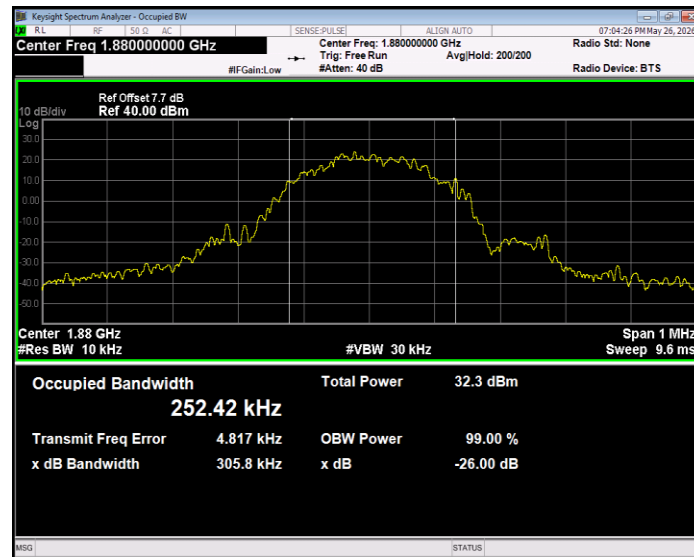
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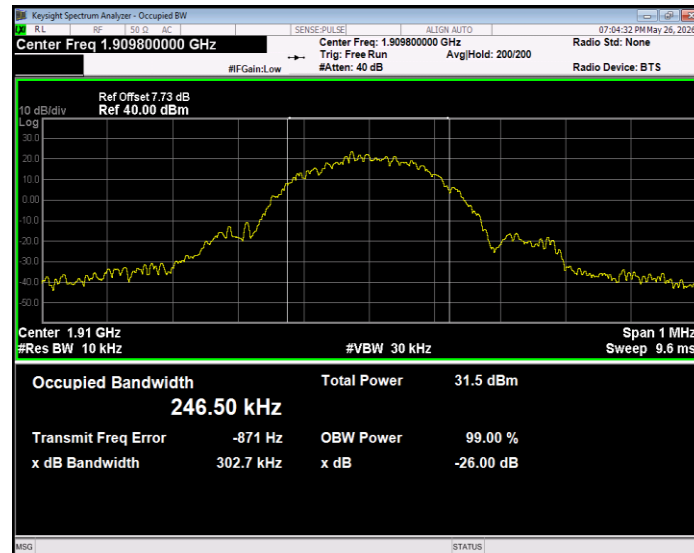


Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810



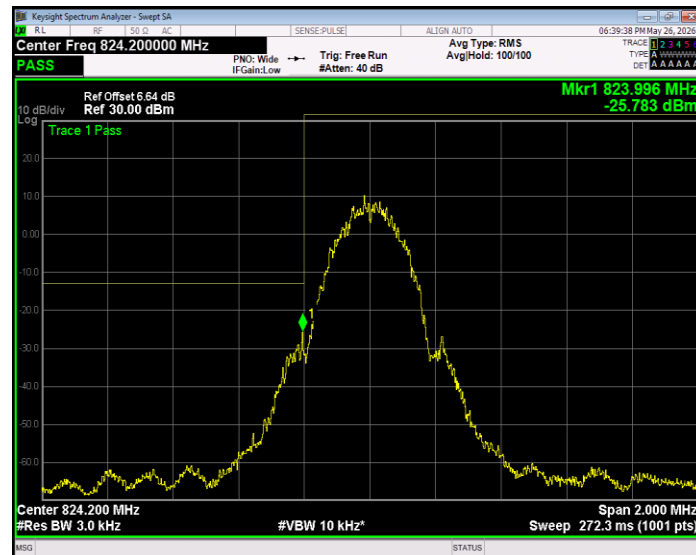


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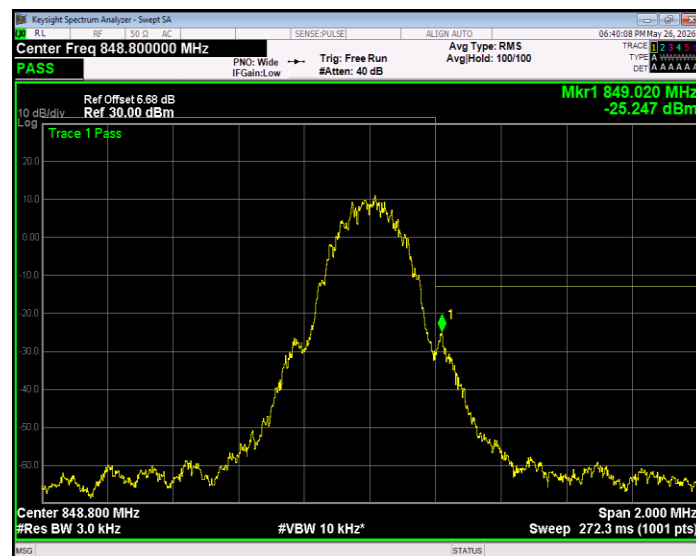
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	824.00	-25.78	-13	PASS
GSM850	251	848.8	849.02	-25.24	-13	PASS
GPRS850	128	824.2	823.98	-26.80	-13	PASS
GPRS850	251	848.8	849.03	-26.36	-13	PASS
EGPRS850	128	824.2	823.97	-34.58	-13	PASS
EGPRS850	251	848.8	849.03	-33.76	-13	PASS
GSM1900	512	1850.2	1849.98	-27.06	-13	PASS
GSM1900	810	1909.8	1910.02	-27.84	-13	PASS
GPRS1900	512	1850.2	1849.98	-28.15	-13	PASS
GPRS1900	810	1909.8	1910.02	-28.52	-13	PASS
EGPRS1900	512	1850.2	1849.98	-34.30	-13	PASS
EGPRS1900	810	1909.8	1910.00	-36.35	-13	PASS

GSM850 Channel=128



GSM850 Channel=251



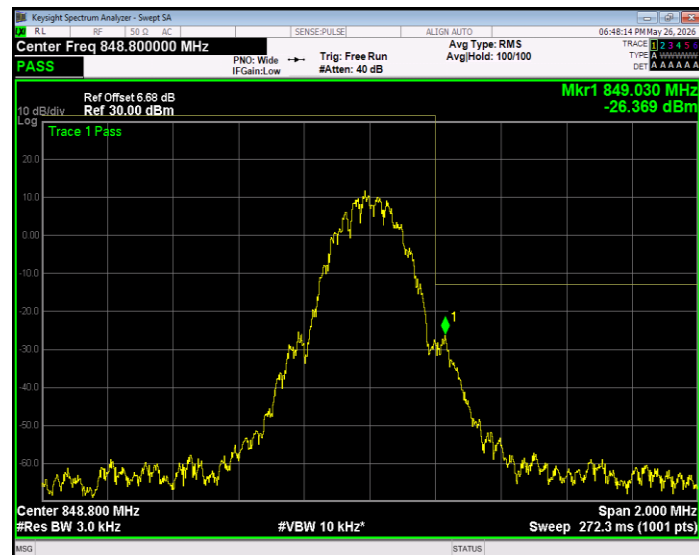


Report

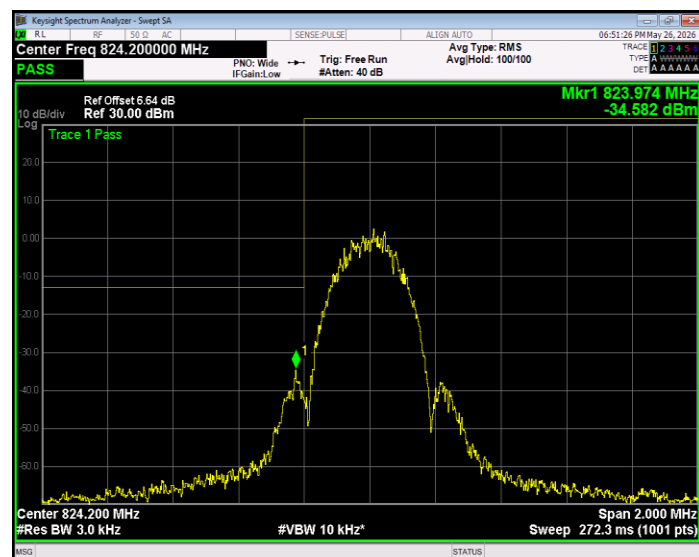
GPRS850 Channel=128



GPRS850 Channel=251



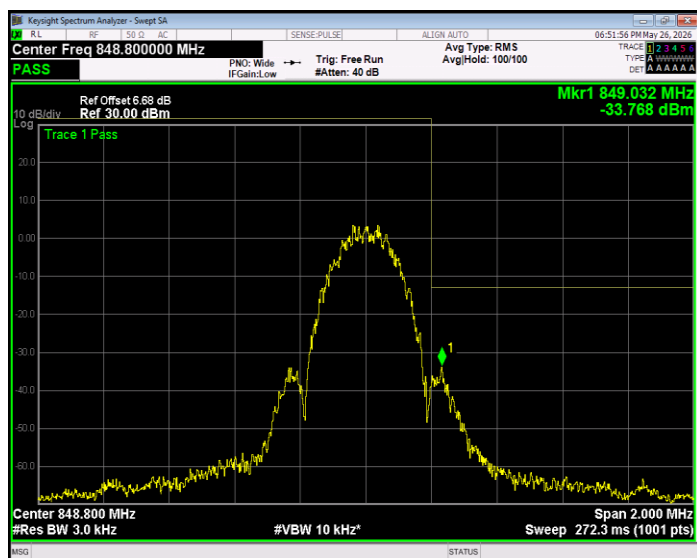
EGPRS850 Channel=128



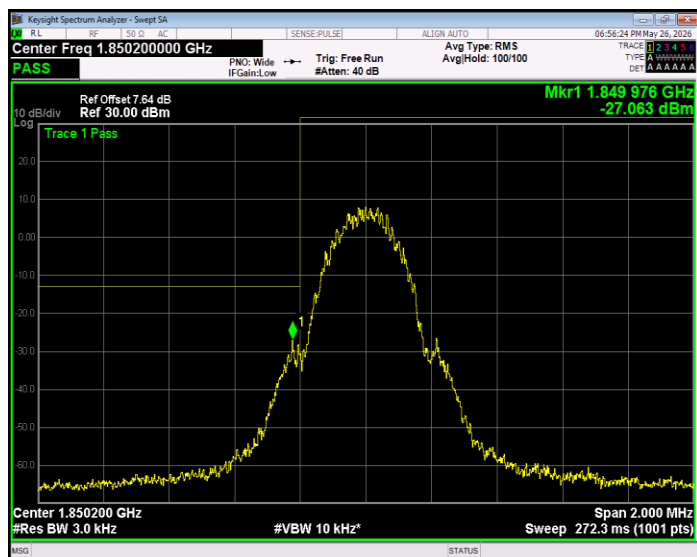


Report

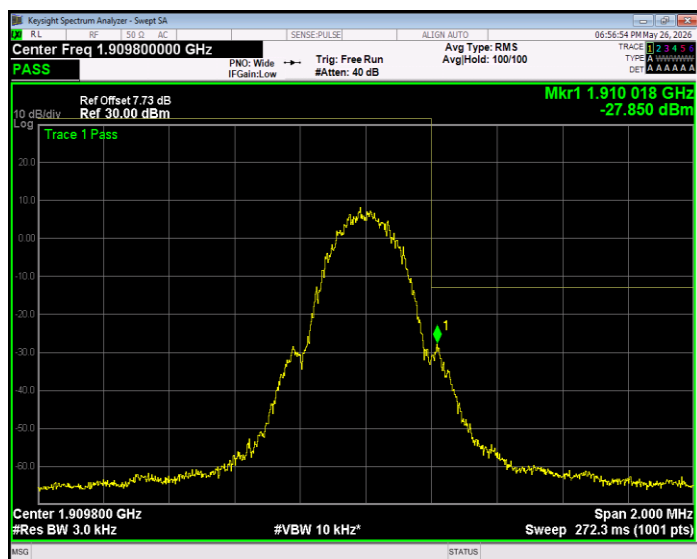
EGPRS850 Channel=251



GSM1900 Channel=512



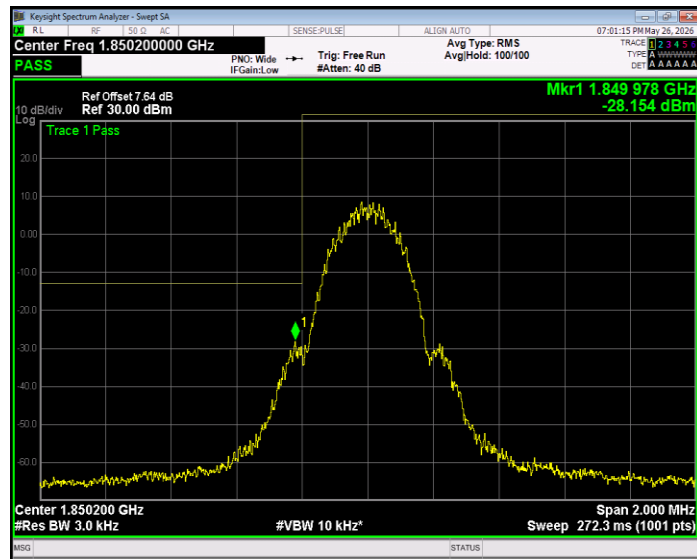
GSM1900 Channel=810



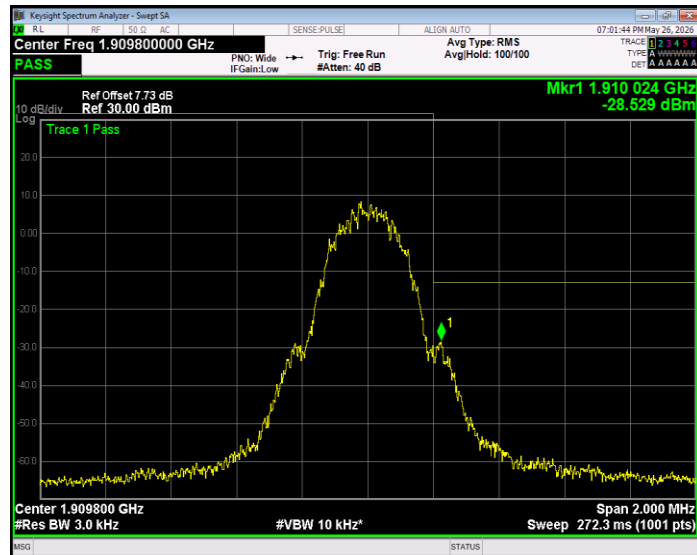


Report

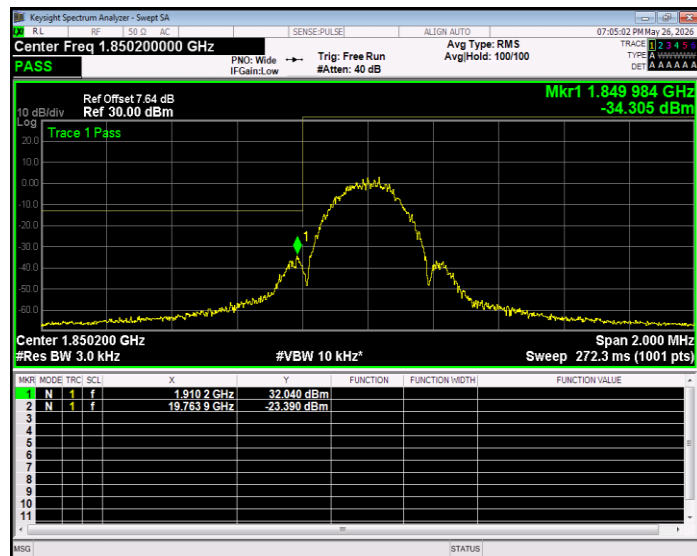
GPRS1900 Channel=512



GPRS1900 Channel=810



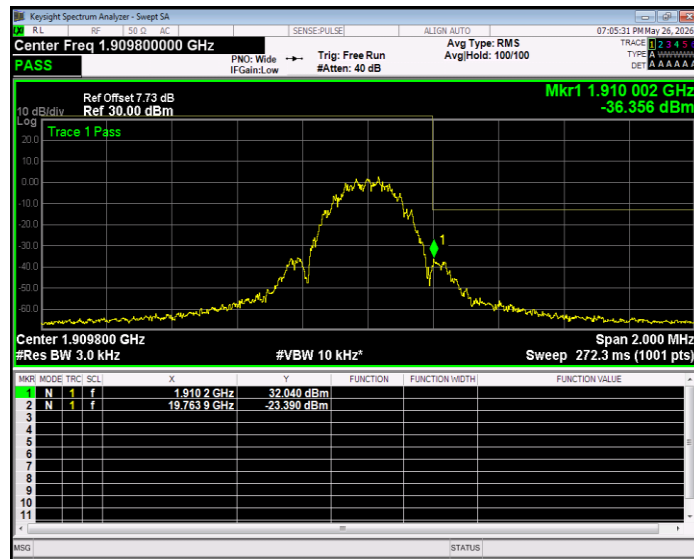
EGPRS1900 Channel=512





Report

EGPRS1900 Channel=810



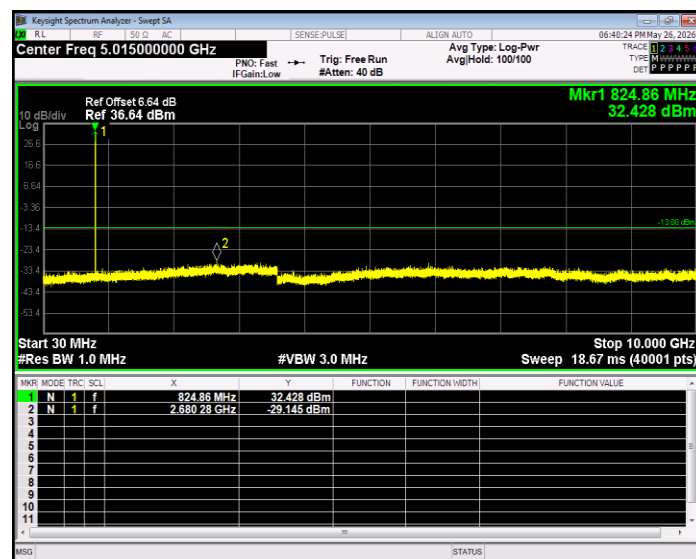


Report

Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	2680.28	-29.14	-13	PASS
GSM850	190	836.6	3309.38	-29.17	-13	PASS
GSM850	251	848.8	3129.67	-28.63	-13	PASS
GPRS850	128	824.2	2694.73	-29.38	-13	PASS
GPRS850	190	836.6	3258.04	-28.81	-13	PASS
GPRS850	251	848.8	2548.92	-29.60	-13	PASS
EGPRS850	128	824.2	3598.51	-29.42	-13	PASS
EGPRS850	190	836.6	2580.82	-28.92	-13	PASS
EGPRS850	251	848.8	3153.85	-29.19	-13	PASS
GSM1900	512	1850.2	19396.91	-23.84	-13	PASS
GSM1900	661	1880	19679.98	-23.03	-13	PASS
GSM1900	810	1909.8	19704.44	-23.56	-13	PASS
GPRS1900	512	1850.2	19884.17	-23.43	-13	PASS
GPRS1900	661	1880	19861.21	-23.49	-13	PASS
GPRS1900	810	1909.8	19763.85	-23.38	-13	PASS
EGPRS1900	512	1850.2	19829.26	-23.05	-13	PASS
EGPRS1900	661	1880	19799.30	-23.90	-13	PASS
EGPRS1900	810	1909.8	18903.15	-23.91	-13	PASS

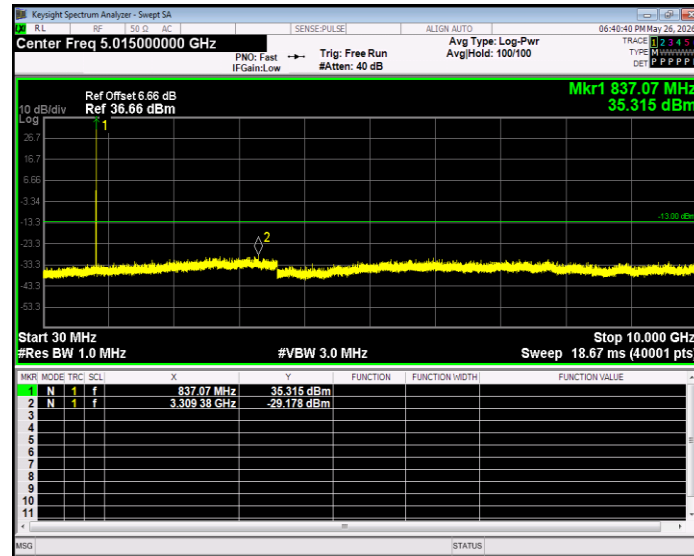
GSM850 Channel=128



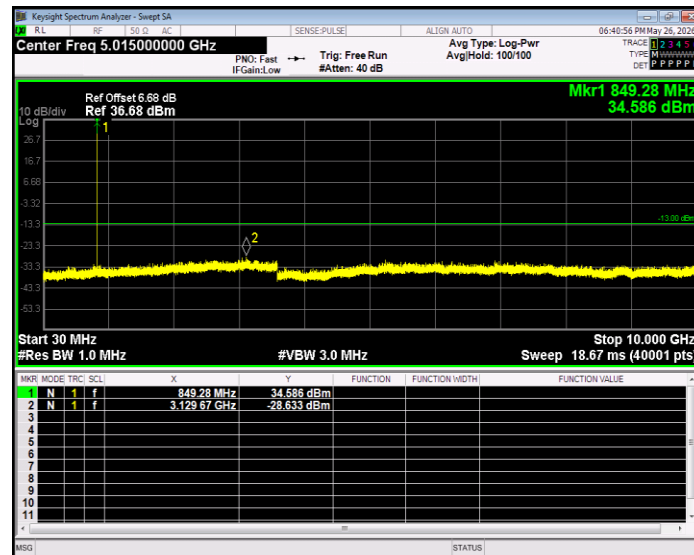
GSM850 Channel=190



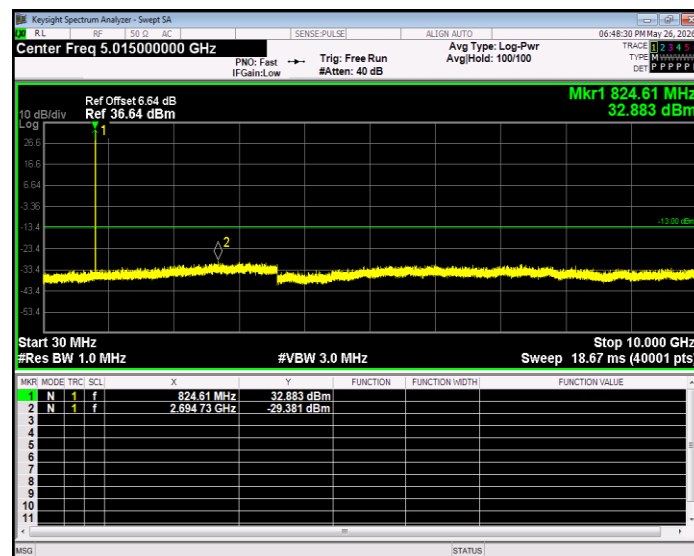
Report



GSM850 Channel=251



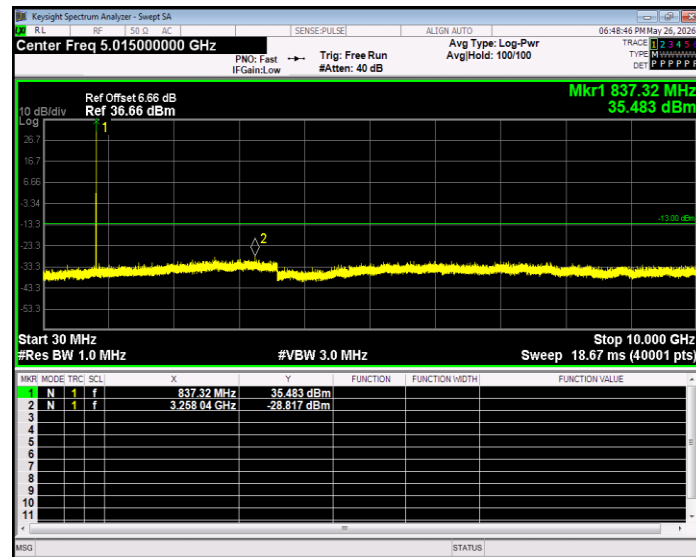
GPRS850 Channel=128



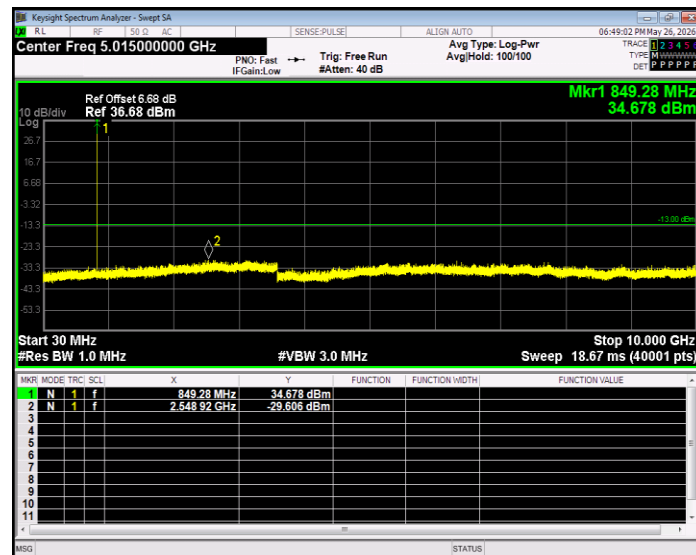


Report

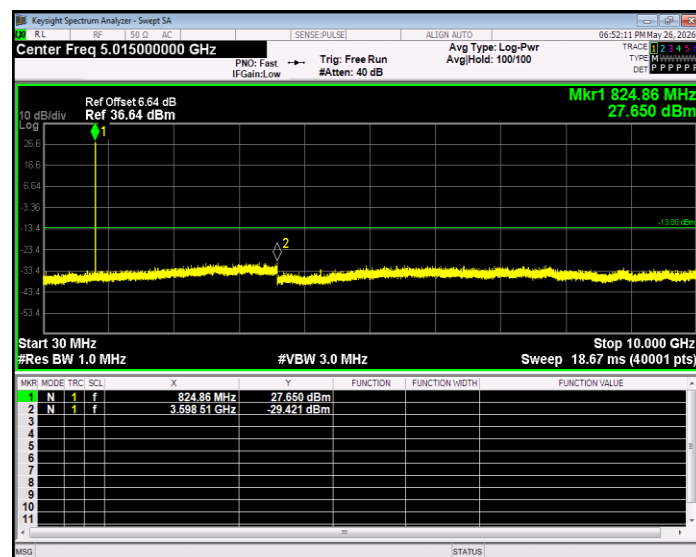
GPRS850 Channel=190



GPRS850 Channel=251



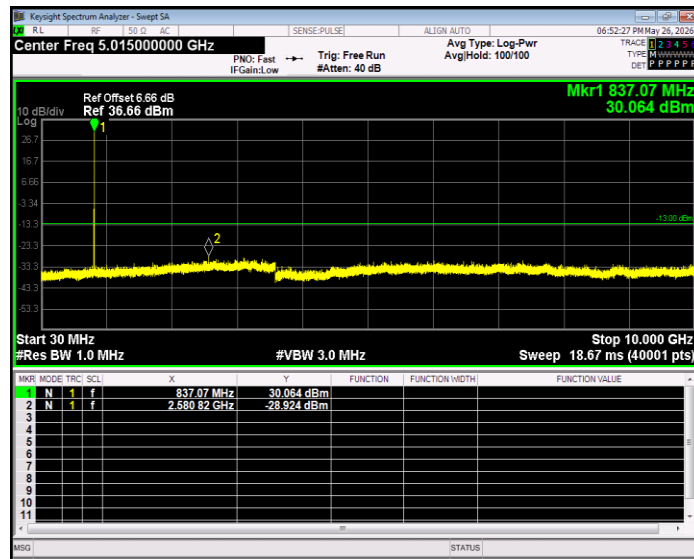
EGPRS850 Channel=128



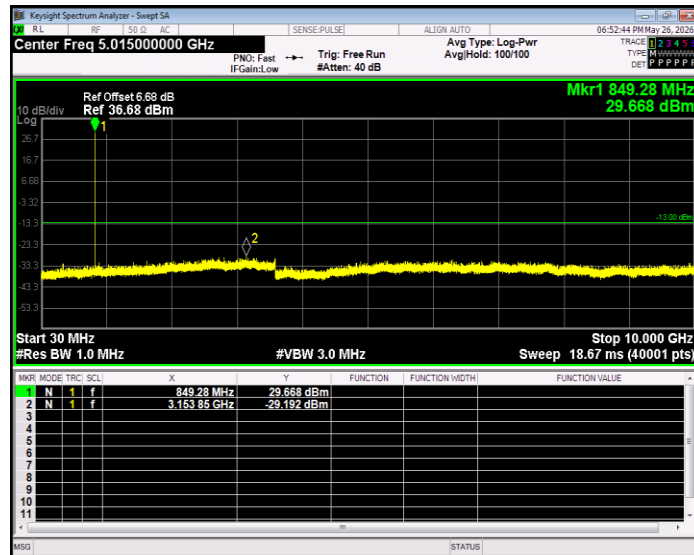


Report

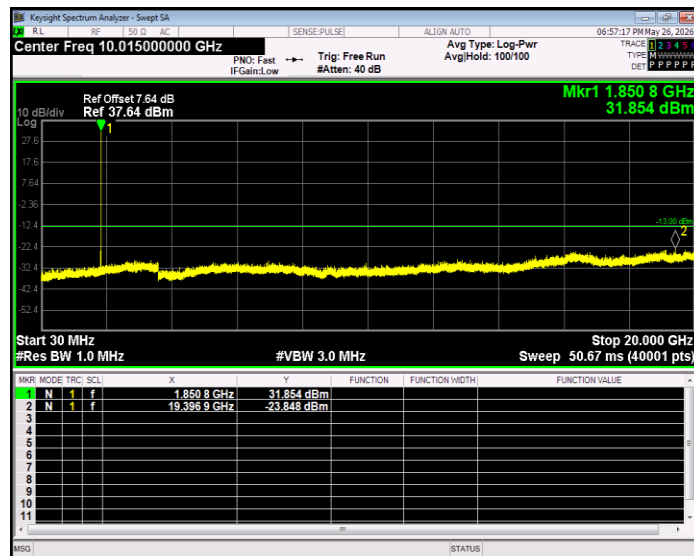
EGPRS850 Channel=190



EGPRS850 Channel=251



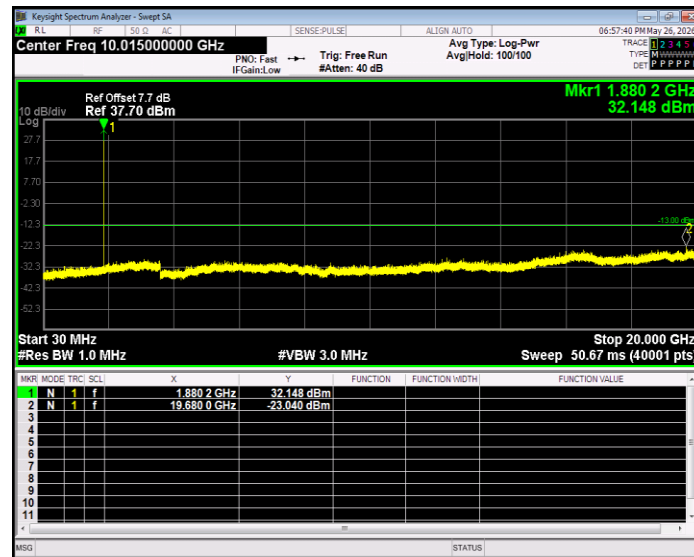
GSM1900 Channel=512



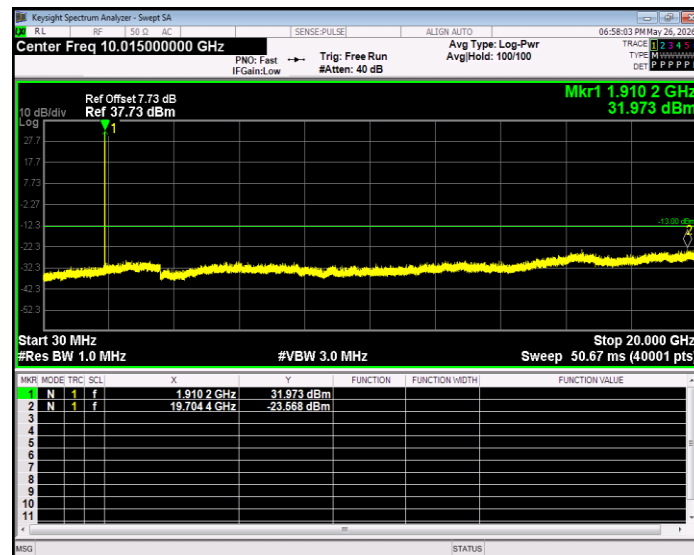


Report

GSM1900 Channel=661



GSM1900 Channel=810



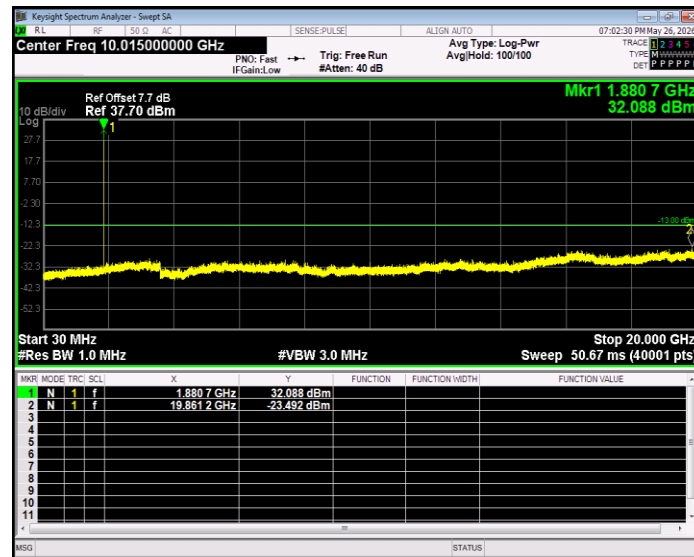
GPRS1900 Channel=512



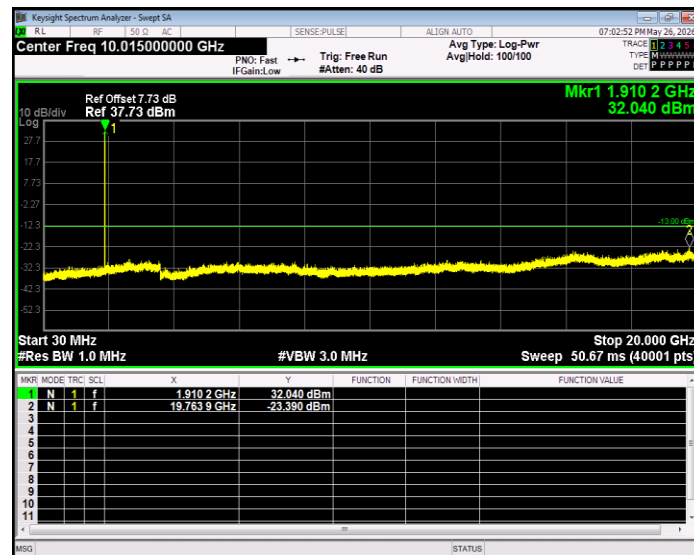


Report

GPRS1900 Channel=661



GPRS1900 Channel=810



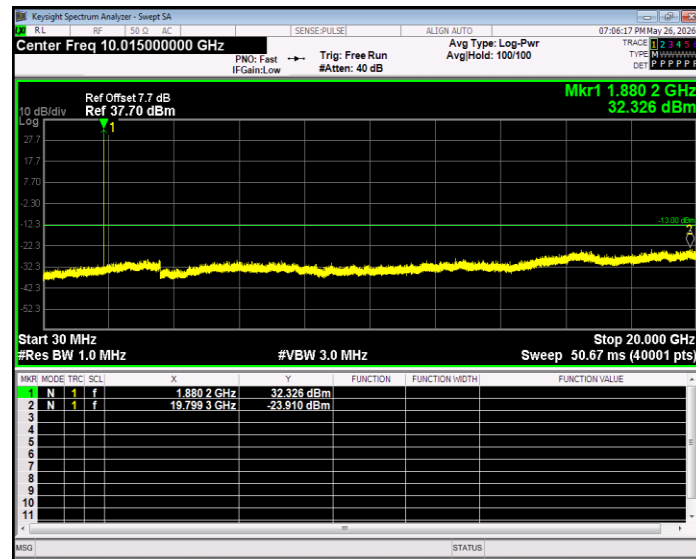
EGPRS1900 Channel=512





Report

EGPRS1900 Channel=661



EGPRS1900 Channel=810

