



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	31.73	-2.1	27.48	38.45	PASS
GSM850	190	836.6	32.02	-2.1	27.77	38.45	PASS
GSM850	251	848.8	32.12	-2.1	27.87	38.45	PASS
GPRS850 1 Slot	128	824.2	31.71	-2.1	27.46	38.45	PASS
GPRS850 1 Slot	190	836.6	32.01	-2.1	27.76	38.45	PASS
GPRS850 1 Slot	251	848.8	32.10	-2.1	27.85	38.45	PASS
GPRS850 2 Slot	128	824.2	31.38	-2.1	27.13	38.45	PASS
GPRS850 2 Slot	190	836.6	31.68	-2.1	27.43	38.45	PASS
GPRS850 2 Slot	251	848.8	31.78	-2.1	27.53	38.45	PASS
GPRS850 3 Slot	128	824.2	29.85	-2.1	25.60	38.45	PASS
GPRS850 3 Slot	190	836.6	30.12	-2.1	25.87	38.45	PASS
GPRS850 3 Slot	251	848.8	30.22	-2.1	25.97	38.45	PASS
GPRS850 4 Slot	128	824.2	28.83	-2.1	24.58	38.45	PASS
GPRS850 4 Slot	190	836.6	29.08	-2.1	24.83	38.45	PASS
GPRS850 4 Slot	251	848.8	29.18	-2.1	24.93	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	30.37	-2.8	27.57	33.01	PASS
GSM1900	661	1880	30.62	-2.8	27.82	33.01	PASS
GSM1900	810	1909.8	30.46	-2.8	27.66	33.01	PASS
GPRS1900 1 Slot	512	1850.2	30.38	-2.8	27.58	33.01	PASS
GPRS1900 1 Slot	661	1880	30.66	-2.8	27.86	33.01	PASS
GPRS1900 1 Slot	810	1909.8	30.46	-2.8	27.66	33.01	PASS
GPRS1900 2 Slot	512	1850.2	29.72	-2.8	26.92	33.01	PASS
GPRS1900 2 Slot	661	1880	30.00	-2.8	27.20	33.01	PASS
GPRS1900 2 Slot	810	1909.8	29.80	-2.8	27.00	33.01	PASS
GPRS1900 3 Slot	512	1850.2	28.17	-2.8	25.37	33.01	PASS
GPRS1900 3 Slot	661	1880	28.45	-2.8	25.65	33.01	PASS
GPRS1900 3 Slot	810	1909.8	28.25	-2.8	25.45	33.01	PASS
GPRS1900 4 Slot	512	1850.2	27.60	-2.8	24.80	33.01	PASS
GPRS1900 4 Slot	661	1880	27.87	-2.8	25.07	33.01	PASS
GPRS1900 4 Slot	810	1909.8	27.68	-2.8	24.88	33.01	PASS



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Frequency stability

GSM 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	0.24	0.000	2.5ppm	PASS
40		0.28	0.000		
30		-0.41	0.000		
20		-1.39	-0.002		
10		0.08	0.000		
0		-0.34	0.000		
-10		-0.16	0.000		
-20		0.33	0.000		
-30		-0.09	0.000		
20	Maximum Voltage	0.18	0.000	2.5ppm	PASS
20	BEP	-0.15	0.000		

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-2.19	-0.003	2.5ppm	PASS
40		-2.09	-0.002		
30		-1.70	-0.002		
20		2.20	0.003		
10		-2.02	-0.002		
0		1.91	0.002		
-10		1.98	0.002		
-20		-1.67	-0.002		
-30		-2.09	-0.003		
20	Maximum Voltage	1.95	0.002	2.5ppm	PASS
20	BEP	1.93	0.002		



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GSM 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	0.78	0.000	Within Authorized Band	PASS
40		-0.47	0.000		
30		-0.41	0.000		
20		-2.78	-0.001		
10		-0.55	0.000		
0		0.79	0.000		
-10		-0.31	0.000		
-20		0.81	0.000		
-30		0.45	0.000		
20	Maximum Voltage	-0.43	0.000		
20	BEP	0.40	0.000		

GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	1.61	0.001	Within Authorized Band	PASS
40		-1.84	-0.001		
30		1.71	0.001		
20		-5.04	-0.003		
10		1.56	0.001		
0		-1.67	-0.001		
-10		-1.41	-0.001		
-20		-1.56	-0.001		
-30		-1.74	-0.001		
20	Maximum Voltage	1.54	0.001		
20	BEP	1.54	0.001		

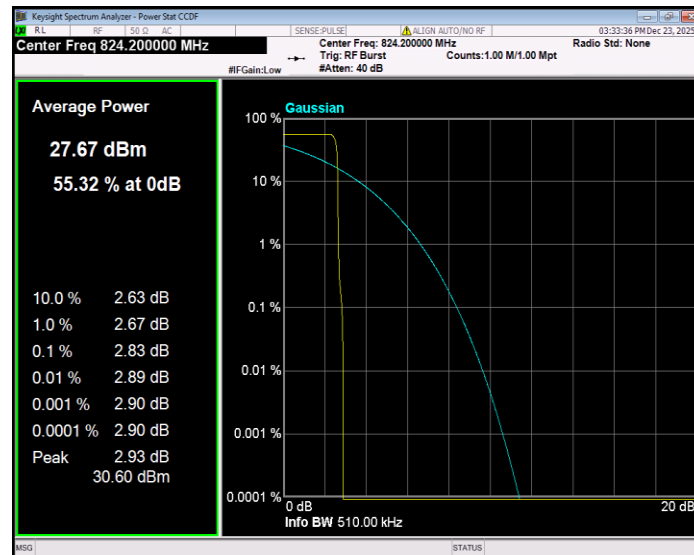


Report

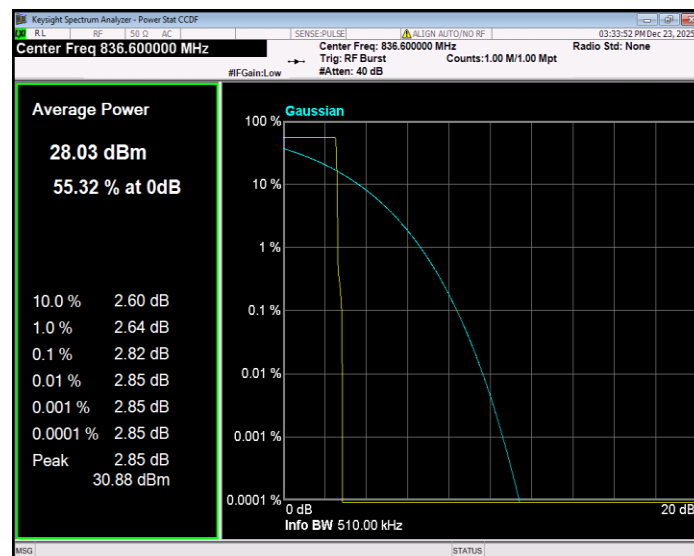
Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM850	128	824.2	2.83	13	PASS
GSM850	190	836.6	2.82	13	PASS
GSM850	251	848.8	2.81	13	PASS
GPRS850	128	824.2	2.85	13	PASS
GPRS850	190	836.6	2.85	13	PASS
GPRS850	251	848.8	2.85	13	PASS
GSM1900	512	1850.2	2.68	13	PASS
GSM1900	661	1880	2.68	13	PASS
GSM1900	810	1909.8	2.69	13	PASS
GPRS1900	512	1850.2	2.71	13	PASS
GPRS1900	661	1880	2.72	13	PASS
GPRS1900	810	1909.8	2.72	13	PASS

GSM850 Channel=128



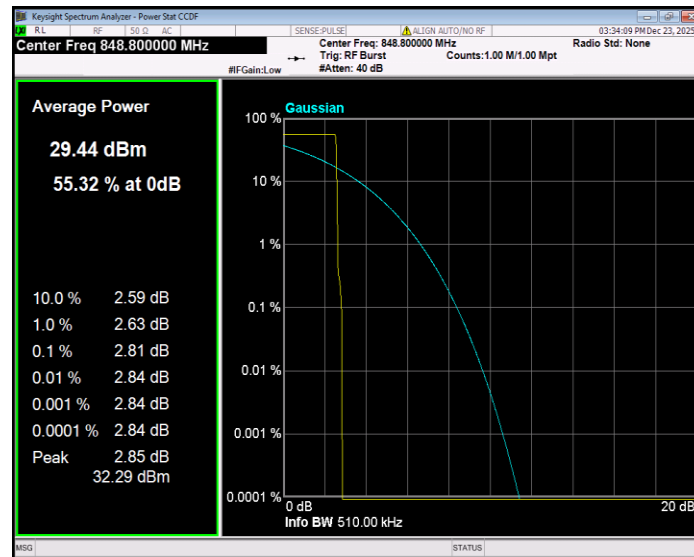
GSM850 Channel=190



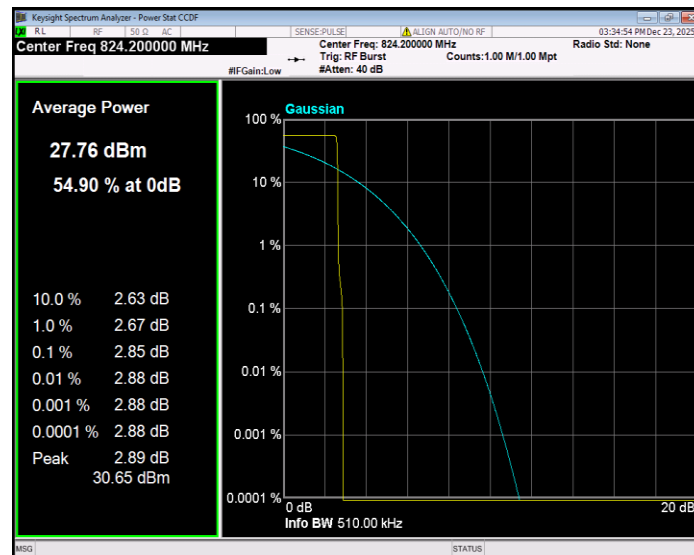


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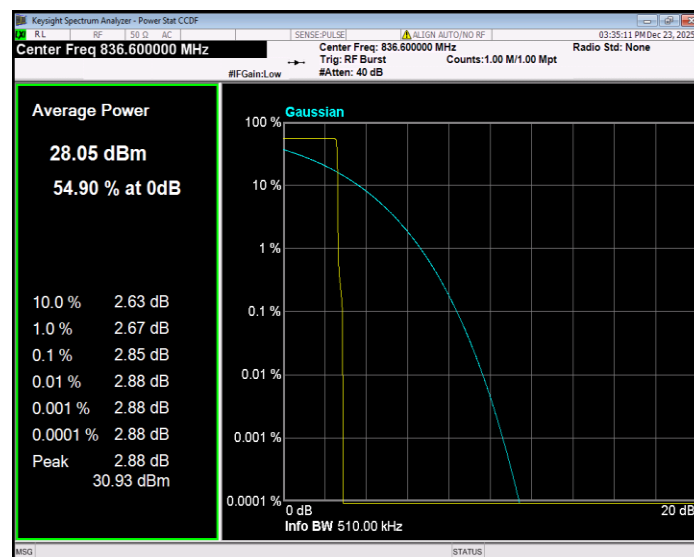
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GPRS850 Channel=128



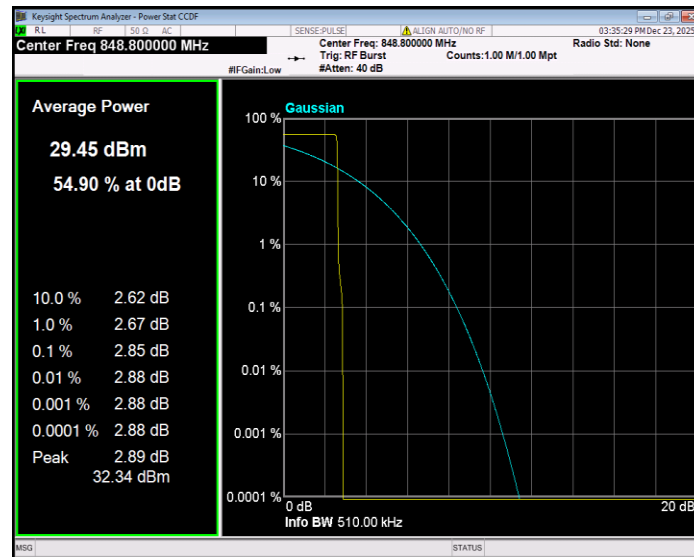
GPRS850 Channel=190



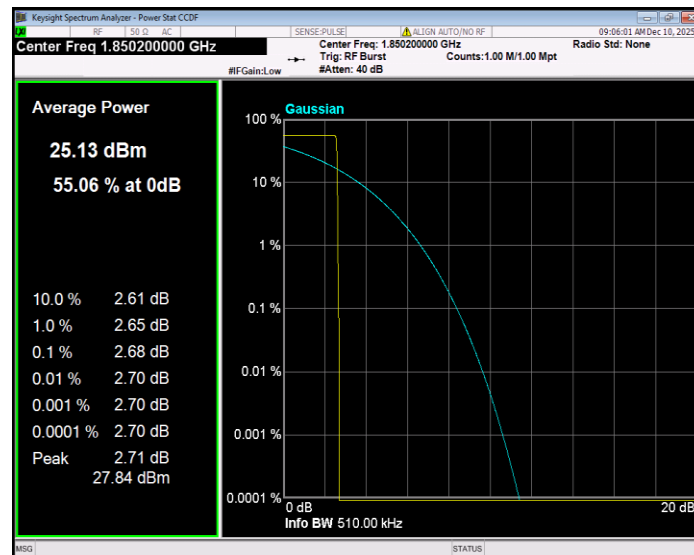


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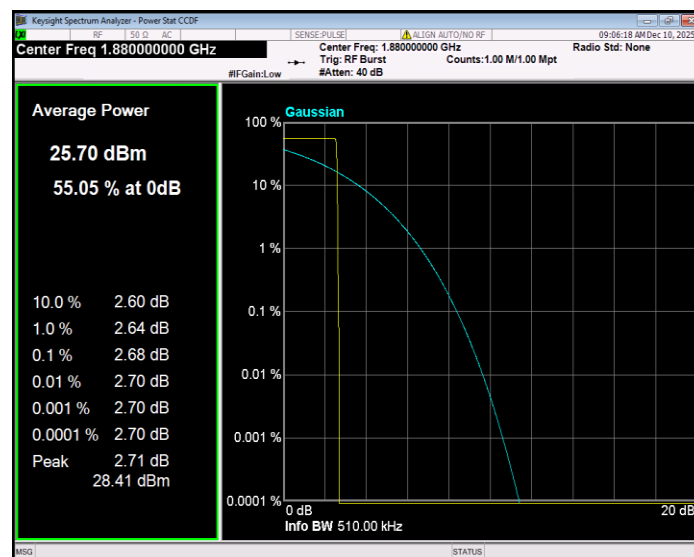
GPRS850 Channel=251



GSM1900 Channel=512



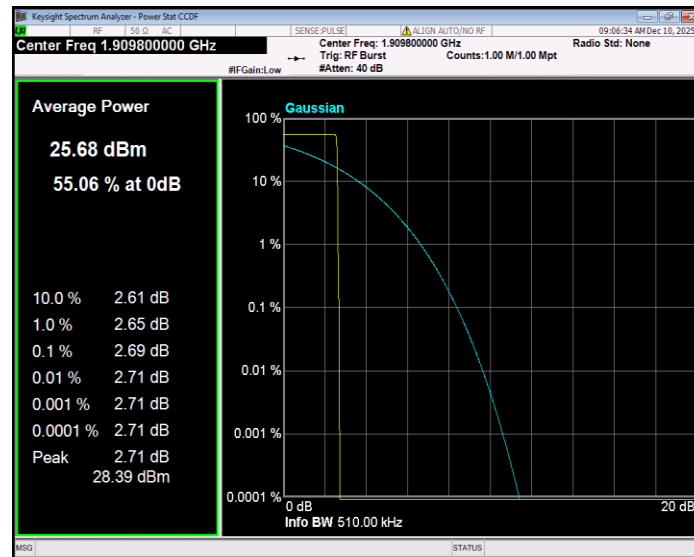
GSM1900 Channel=661



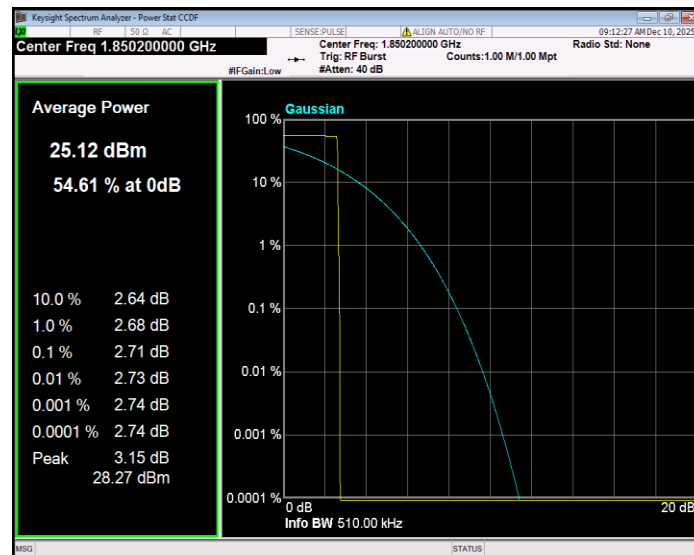


Report

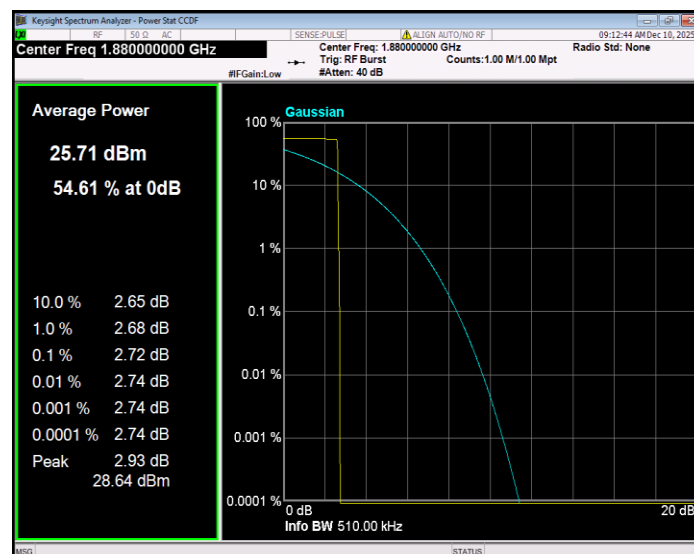
GSM1900 Channel=810



GPRS1900 Channel=512



GPRS1900 Channel=661





Report

GPRS1900 Channel=810



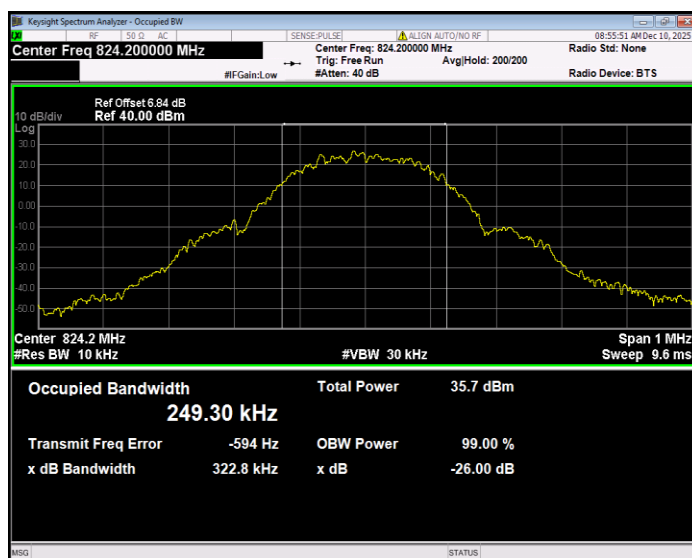


Report

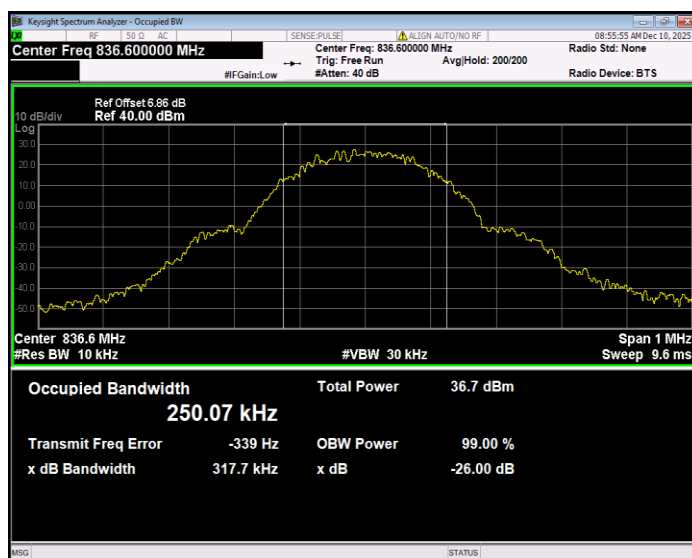
Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM850	128	824.2	249.301	322.754	PASS
GSM850	190	836.6	250.067	317.721	PASS
GSM850	251	848.8	245.372	317.032	PASS
GPRS850	128	824.2	242.769	321.147	PASS
GPRS850	190	836.6	253.125	315.734	PASS
GPRS850	251	848.8	246.319	318.707	PASS
GSM1900	512	1850.2	242.233	320.607	PASS
GSM1900	661	1880	237.094	314.516	PASS
GSM1900	810	1909.8	243.004	308.499	PASS
GPRS1900	512	1850.2	246.062	313.689	PASS
GPRS1900	661	1880	244.847	311.585	PASS
GPRS1900	810	1909.8	244.831	325.644	PASS

GSM850 Channel=128



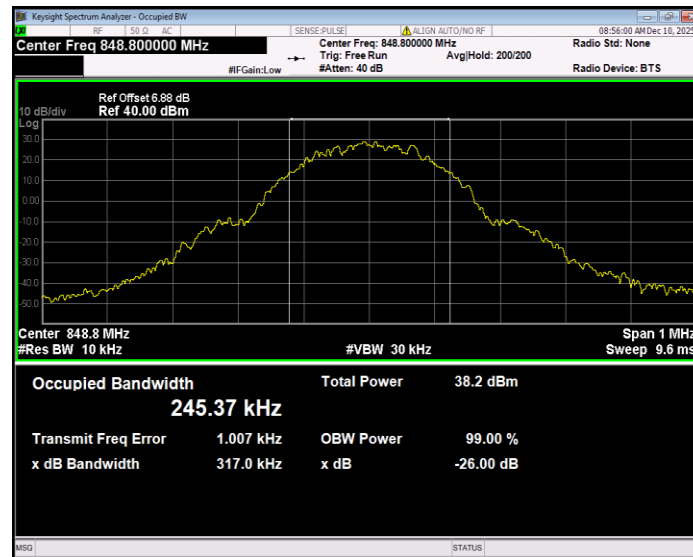
GSM850 Channel=190



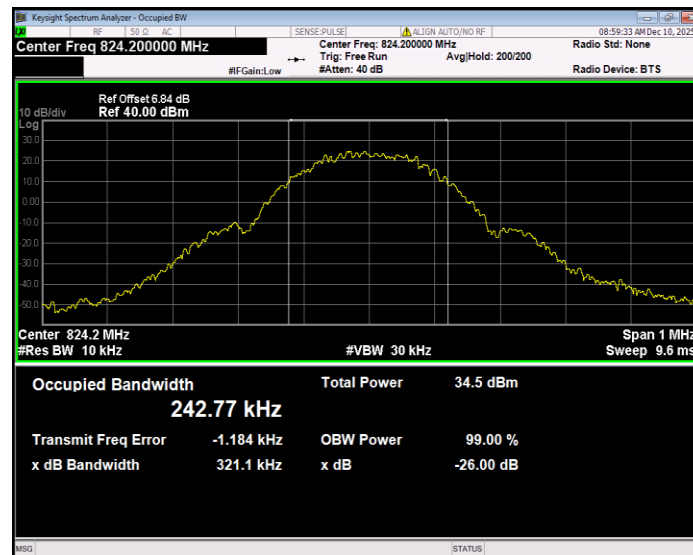


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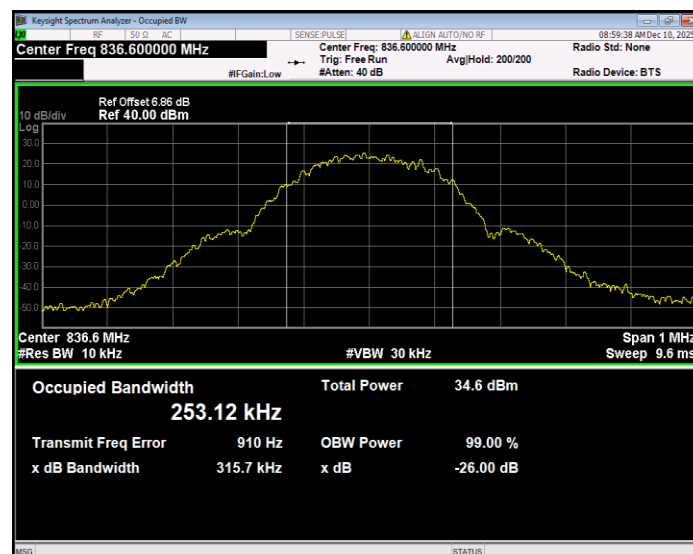
GSM850 Channel=251



GPRS850 Channel=128



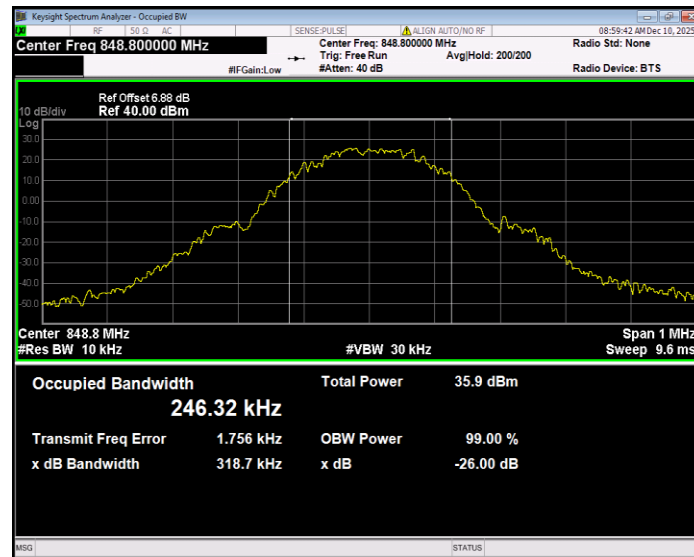
GPRS850 Channel=190



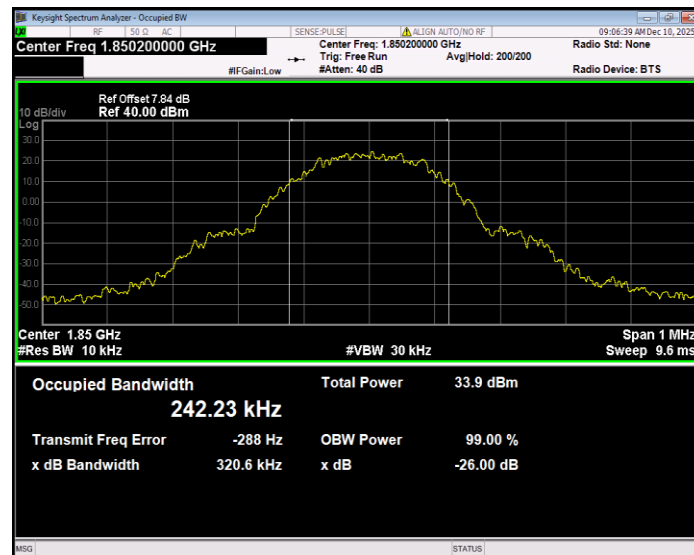


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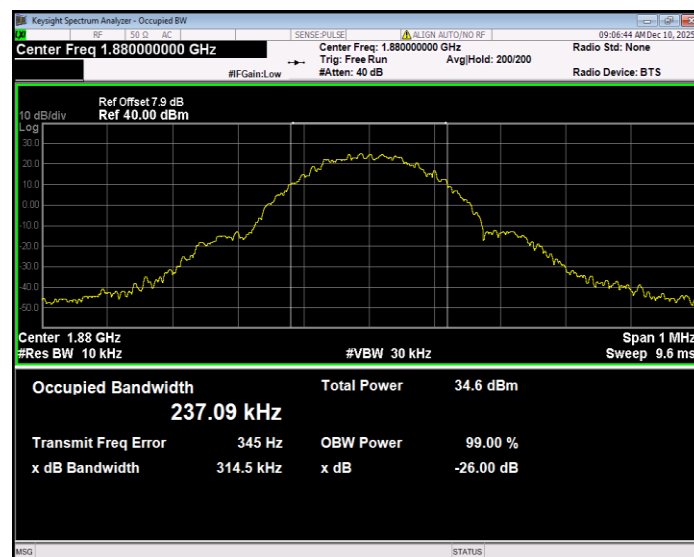
GPRS850 Channel=251



GSM1900 Channel=512



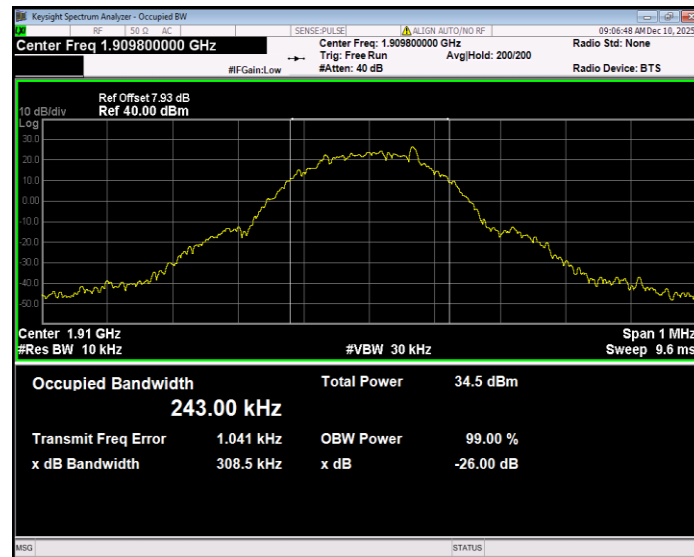
GSM1900 Channel=661



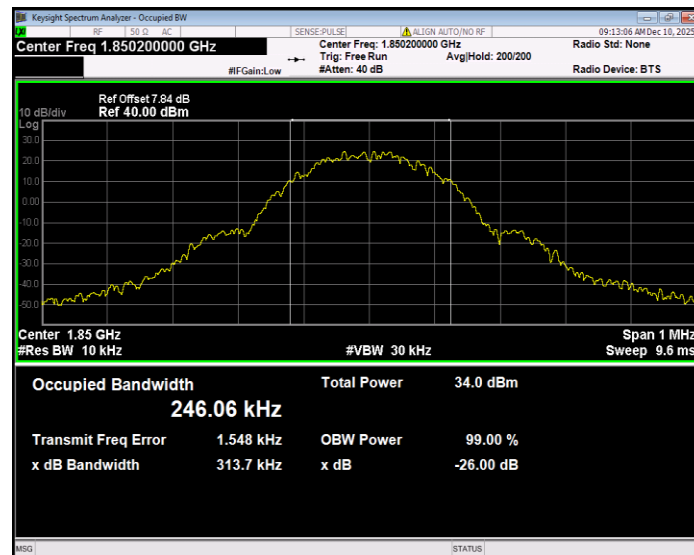


Report

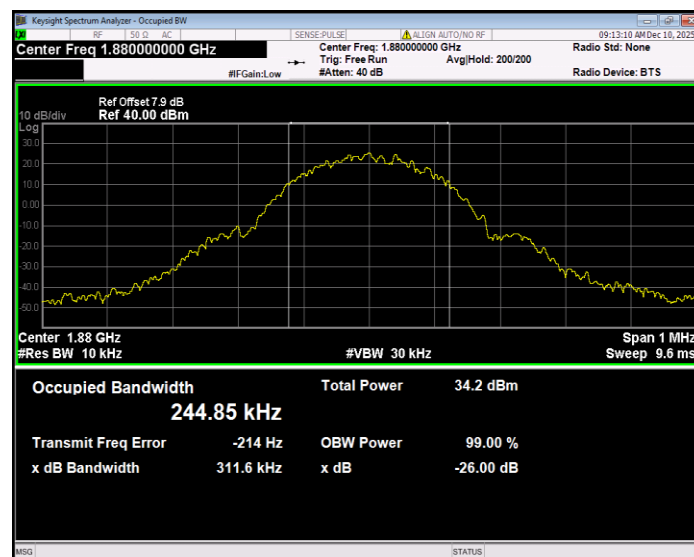
GSM1900 Channel=810



GPRS1900 Channel=512



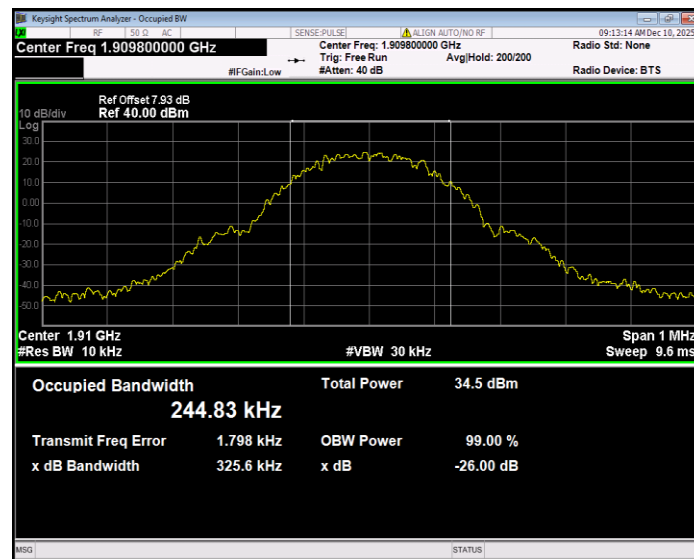
GPRS1900 Channel=661





Report

GPRS1900 Channel=810



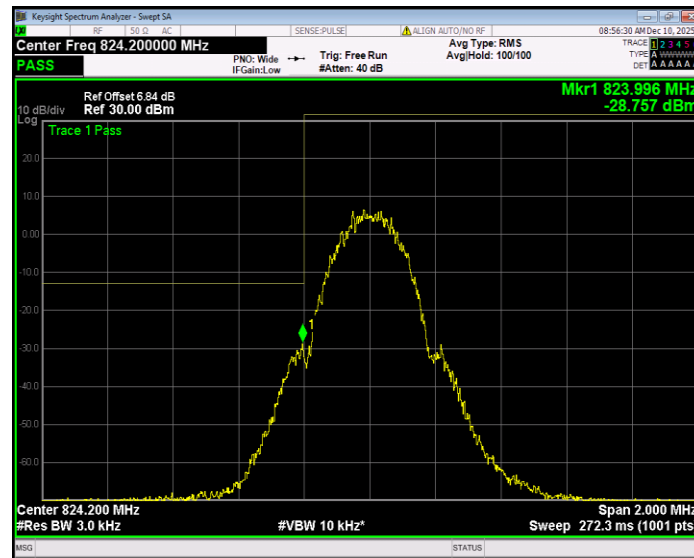


Report

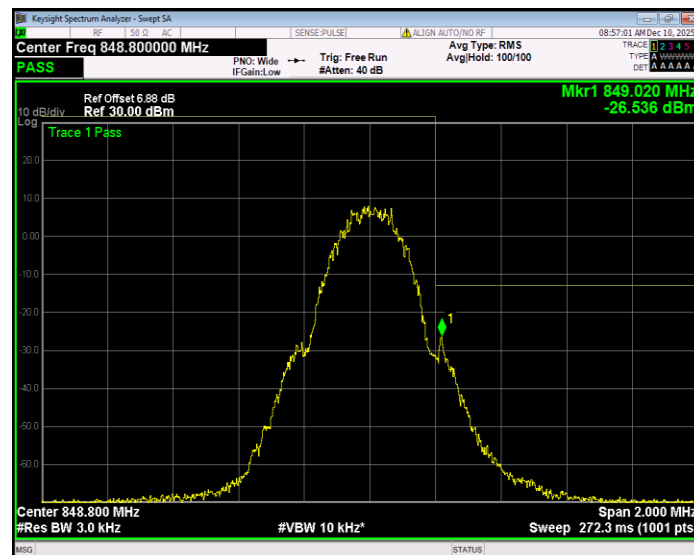
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	824.00	-28.75	-13	PASS
GSM850	251	848.8	849.02	-26.53	-13	PASS
GPRS850	128	824.2	823.98	-31.04	-13	PASS
GPRS850	251	848.8	849.02	-29.88	-13	PASS
GSM1900	512	1850.2	1850.00	-32.03	-13	PASS
GSM1900	810	1909.8	1910.02	-29.26	-13	PASS
GPRS1900	512	1850.2	1849.98	-32.22	-13	PASS
GPRS1900	810	1909.8	1910.02	-31.84	-13	PASS

GSM850 Channel=128



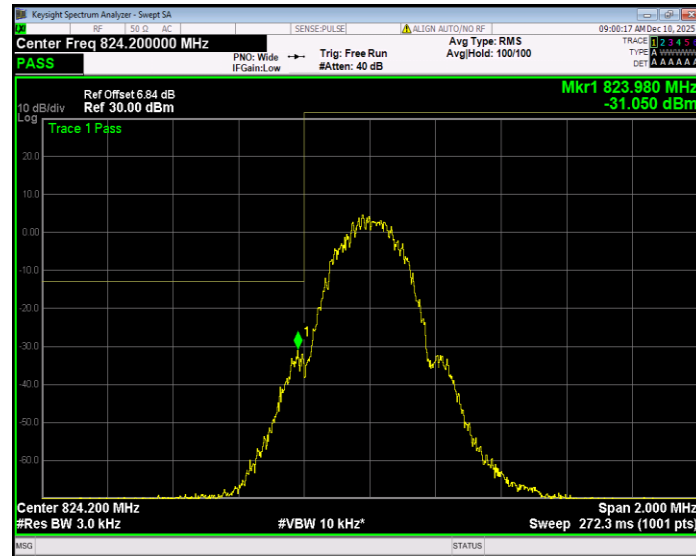
GSM850 Channel=251



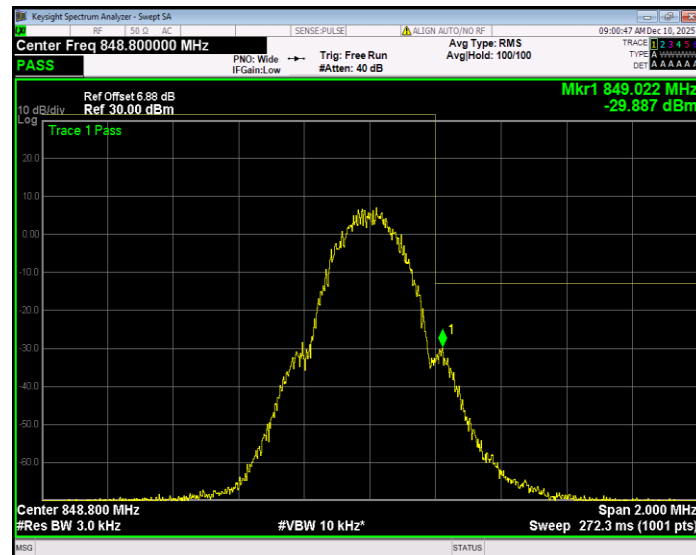
GPRS850 Channel=128



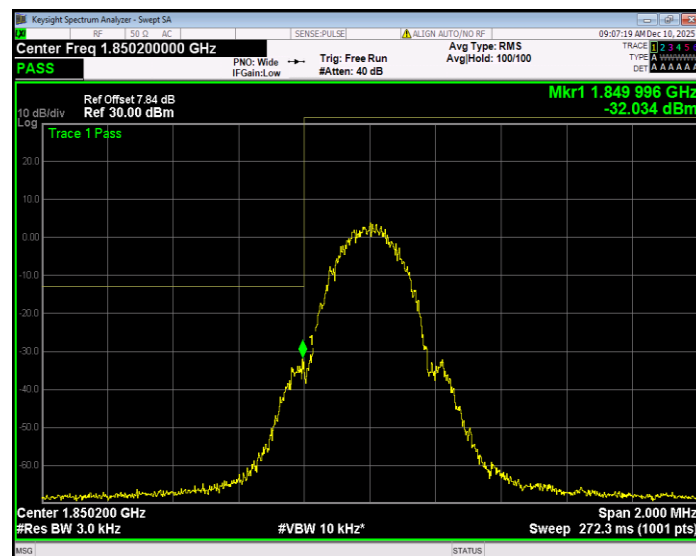
Report



GPRS850 Channel=251



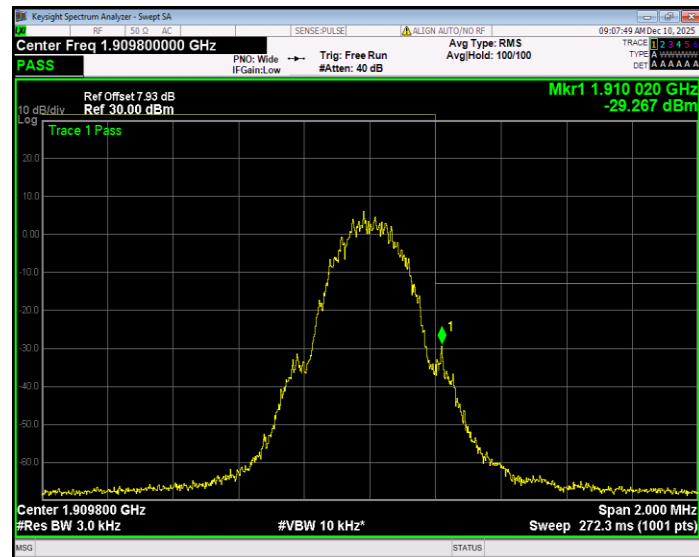
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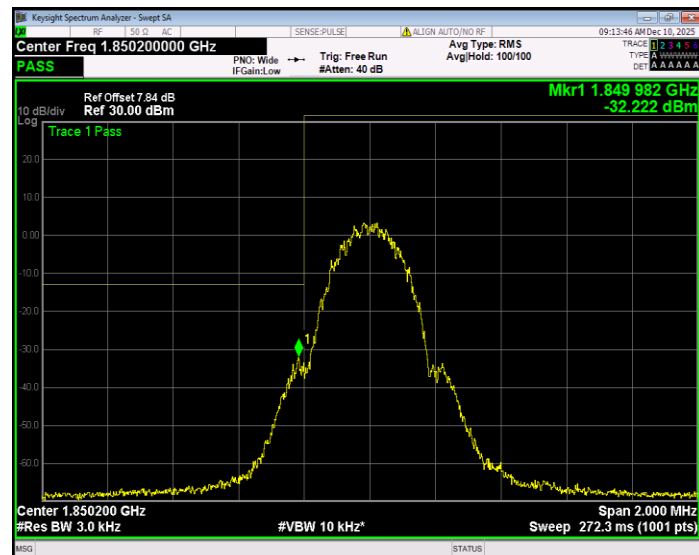


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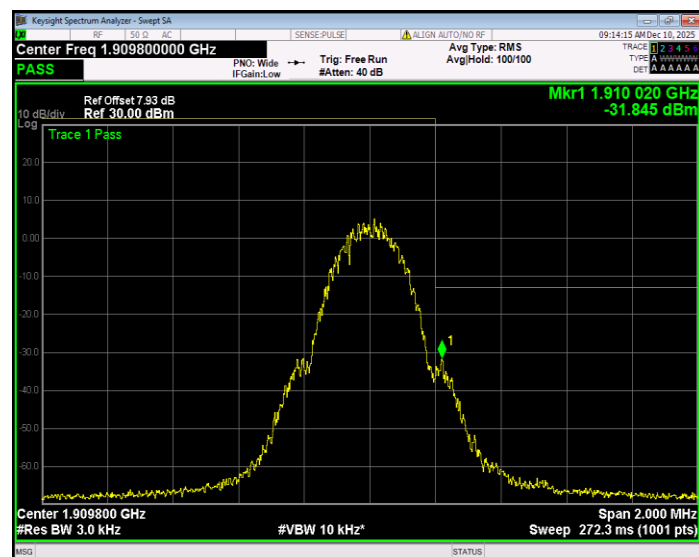
GSM1900 Channel=810



GPRS1900 Channel=512



GPRS1900 Channel=810





Report

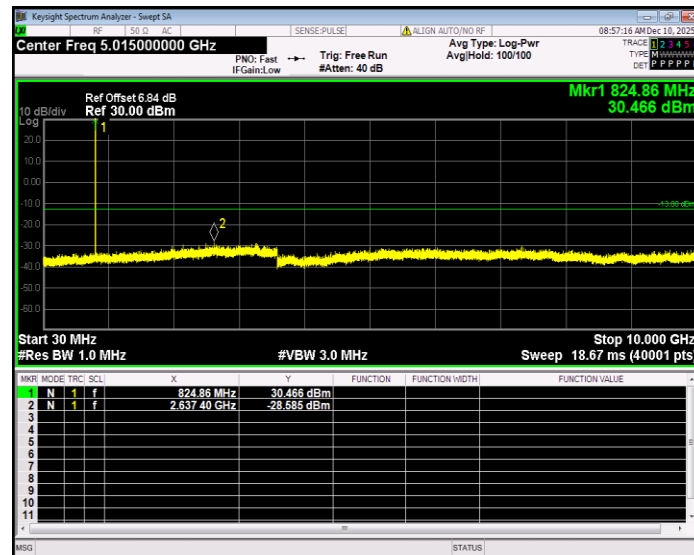


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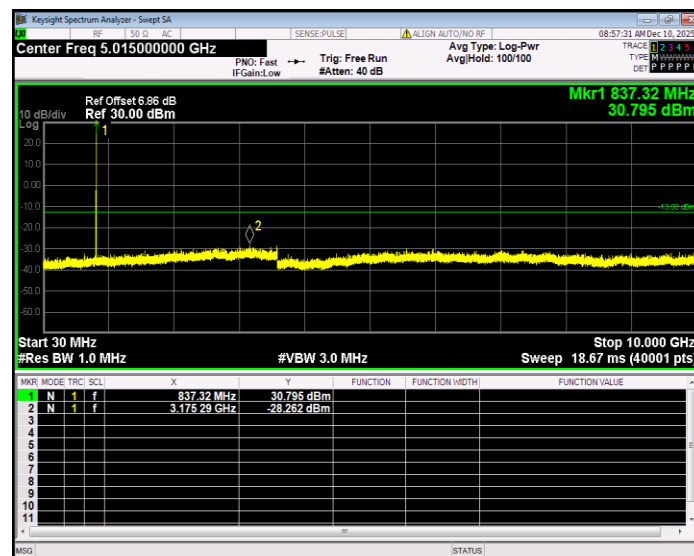
Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	2637.40	-28.58	-13	PASS
GSM850	190	836.6	3175.29	-28.26	-13	PASS
GSM850	251	848.8	2546.68	-28.99	-13	PASS
GPRS850	128	824.2	3145.87	-29.11	-13	PASS
GPRS850	190	836.6	3129.67	-28.86	-13	PASS
GPRS850	251	848.8	3254.80	-28.61	-13	PASS
GSM1900	512	1850.2	19431.85	-24.37	-13	PASS
GSM1900	661	1880	19790.81	-24.43	-13	PASS
GSM1900	810	1909.8	16146.29	-24.14	-13	PASS
GPRS1900	512	1850.2	16227.17	-24.54	-13	PASS
GPRS1900	661	1880	18682.48	-24.22	-13	PASS
GPRS1900	810	1909.8	19763.85	-24.14	-13	PASS

GSM850 Channel=128



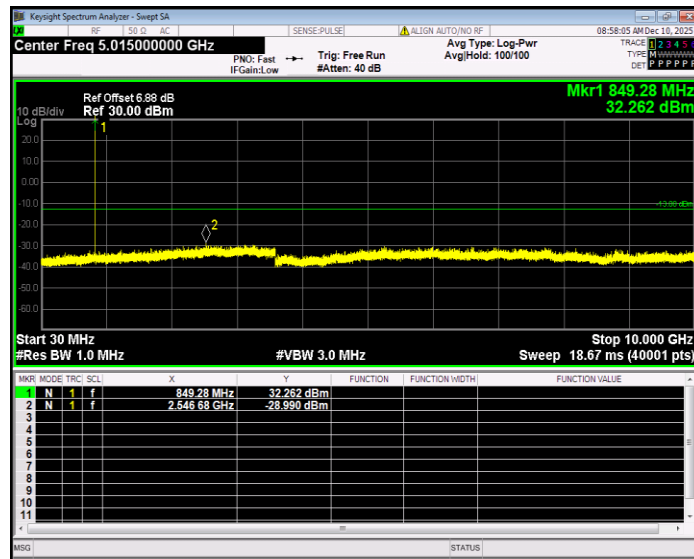
GSM850 Channel=190



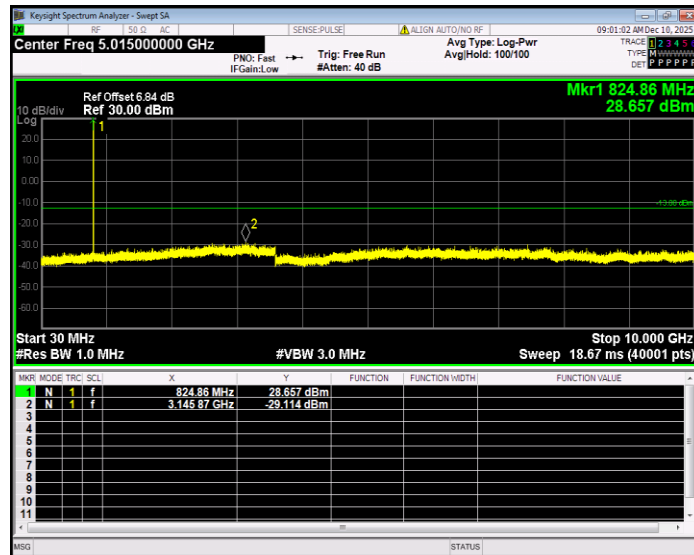


Report

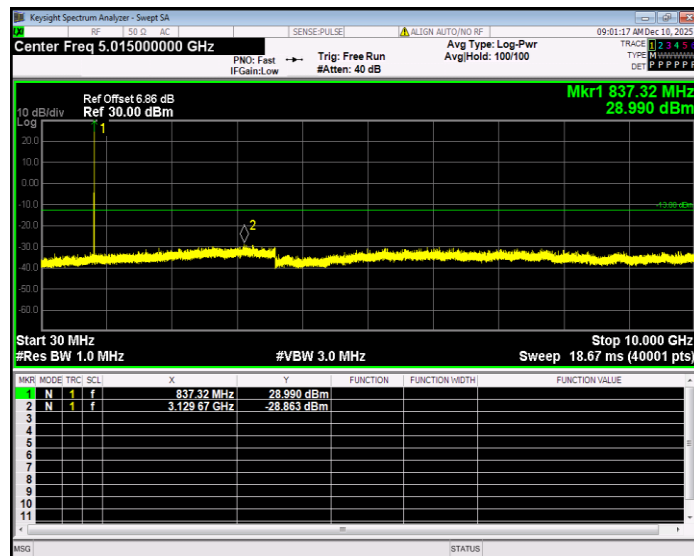
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GPRS850 Channel=128



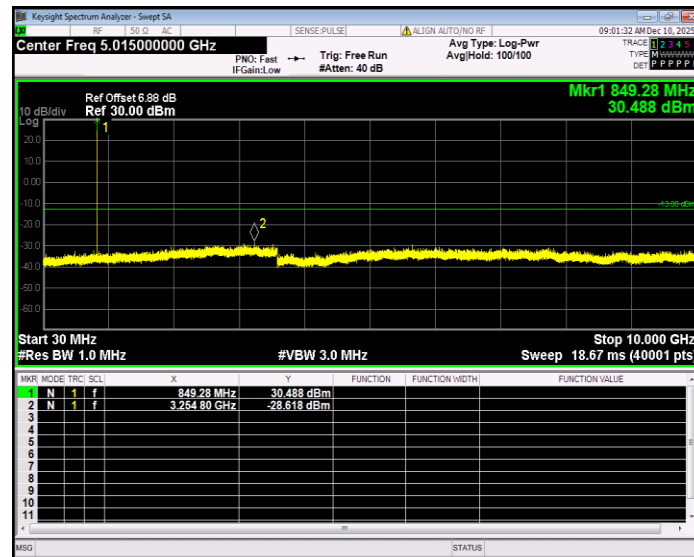
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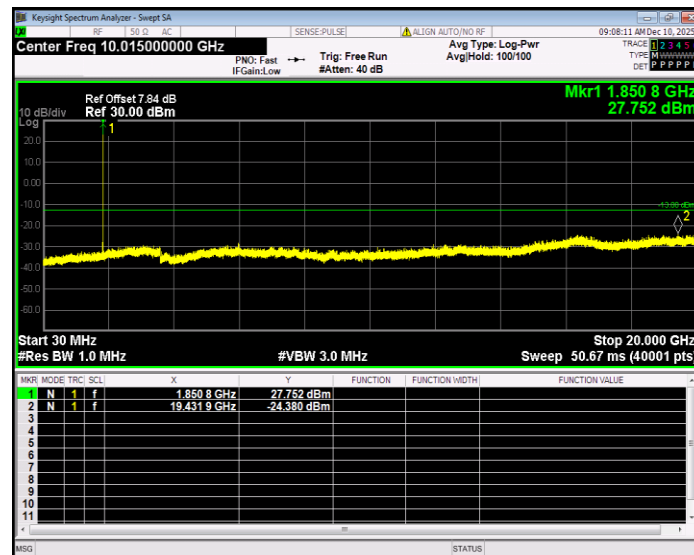


Report

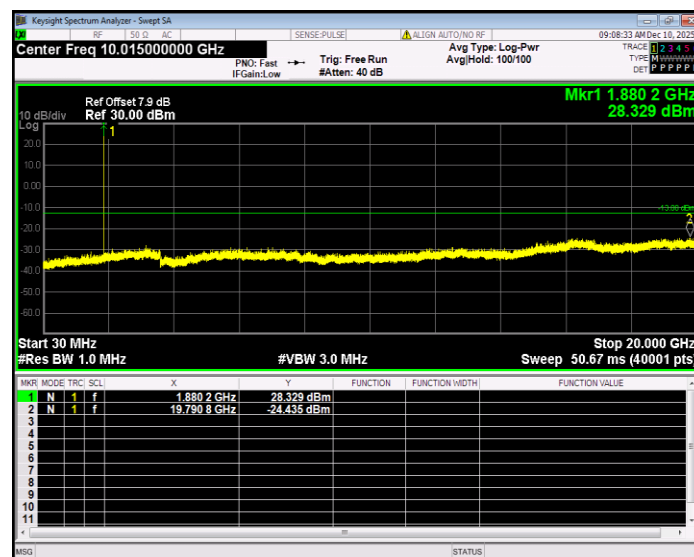
GPRS850 Channel=251



GSM1900 Channel=512



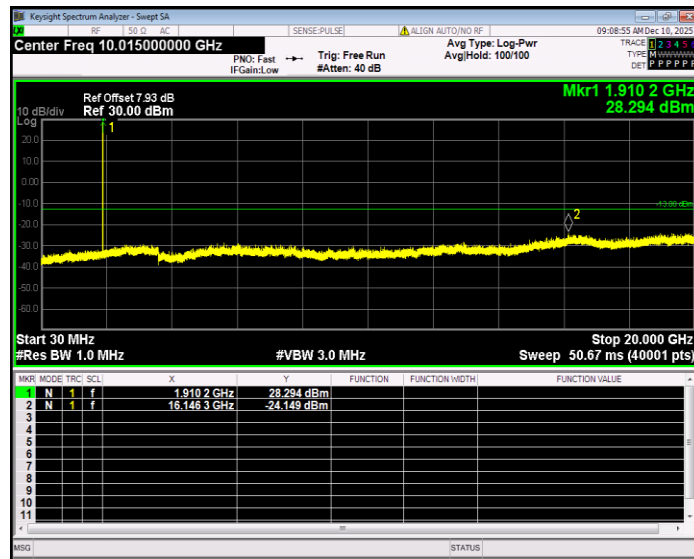
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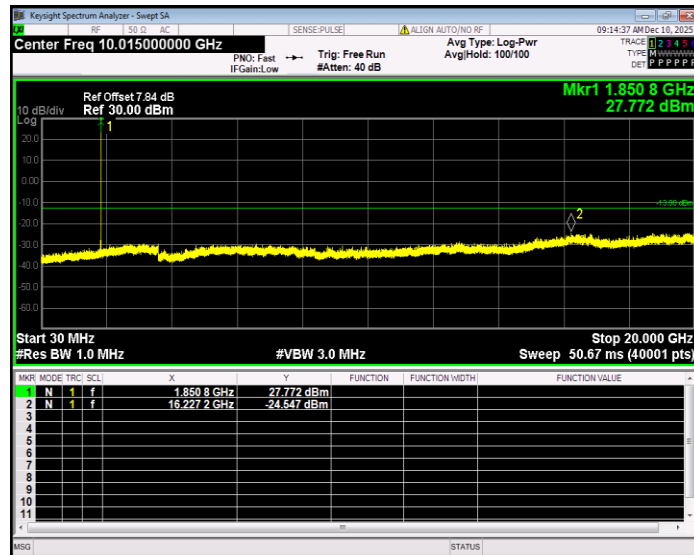


Report

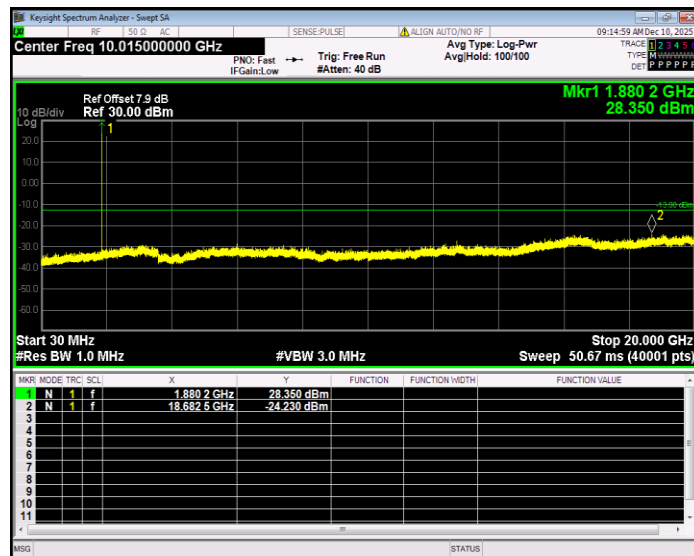
GSM1900 Channel=810



GPRS1900 Channel=512



GPRS1900 Channel=661





Report

GPRS1900 Channel=810

