



Report

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Report

Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	ERP (dBm)	ERP Limit (dBm)	Verdict
GPRS850 1 Slot	128	824.2	33.09	1	31.94	38.45	PASS
GPRS850 1 Slot	190	836.6	33.21	1	32.06	38.45	PASS
GPRS850 1 Slot	251	848.8	33.25	1	32.10	38.45	PASS
GPRS850 2 Slot	128	824.2	32.96	1	31.81	38.45	PASS
GPRS850 2 Slot	190	836.6	33.06	1	31.91	38.45	PASS
GPRS850 2 Slot	251	848.8	33.09	1	31.94	38.45	PASS
GPRS850 3 Slot	128	824.2	32.55	1	31.40	38.45	PASS
GPRS850 3 Slot	190	836.6	32.82	1	31.67	38.45	PASS
GPRS850 3 Slot	251	848.8	32.82	1	31.67	38.45	PASS
GPRS850 4 Slot	128	824.2	31.20	1	30.05	38.45	PASS
GPRS850 4 Slot	190	836.6	31.59	1	30.44	38.45	PASS
GPRS850 4 Slot	251	848.8	31.65	1	30.50	38.45	PASS
EGPRS850 1 Slot	128	824.2	28.13	1	26.98	38.45	PASS
EGPRS850 1 Slot	190	836.6	28.50	1	27.35	38.45	PASS
EGPRS850 1 Slot	251	848.8	28.52	1	27.37	38.45	PASS
EGPRS850 2 Slot	128	824.2	27.61	1	26.46	38.45	PASS
EGPRS850 2 Slot	190	836.6	28.18	1	27.03	38.45	PASS
EGPRS850 2 Slot	251	848.8	28.57	1	27.42	38.45	PASS
EGPRS850 3 Slot	128	824.2	27.00	1	25.85	38.45	PASS
EGPRS850 3 Slot	190	836.6	27.53	1	26.38	38.45	PASS
EGPRS850 3 Slot	251	848.8	27.65	1	26.50	38.45	PASS
EGPRS850 4 Slot	128	824.2	25.36	1	24.21	38.45	PASS
EGPRS850 4 Slot	190	836.6	25.86	1	24.71	38.45	PASS
EGPRS850 4 Slot	251	848.8	25.78	1	24.63	38.45	PASS



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Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
GPRS1900 1 Slot	512	1850.2	29.96	2.5	32.46	33.01	PASS
GPRS1900 1 Slot	661	1880	30.15	2.5	32.65	33.01	PASS
GPRS1900 1 Slot	810	1909.8	29.86	2.5	32.36	33.01	PASS
GPRS1900 2 Slot	512	1850.2	29.88	2.5	32.38	33.01	PASS
GPRS1900 2 Slot	661	1880	30.01	2.5	32.51	33.01	PASS
GPRS1900 2 Slot	810	1909.8	29.76	2.5	32.26	33.01	PASS
GPRS1900 3 Slot	512	1850.2	29.33	2.5	31.83	33.01	PASS
GPRS1900 3 Slot	661	1880	29.58	2.5	32.08	33.01	PASS
GPRS1900 3 Slot	810	1909.8	29.36	2.5	31.86	33.01	PASS
GPRS1900 4 Slot	512	1850.2	28.23	2.5	30.73	33.01	PASS
GPRS1900 4 Slot	661	1880	28.60	2.5	31.10	33.01	PASS
GPRS1900 4 Slot	810	1909.8	28.60	2.5	31.10	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	27.37	2.5	29.87	33.01	PASS
EGPRS1900 1 Slot	661	1880	27.24	2.5	29.74	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	27.94	2.5	30.44	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	27.26	2.5	29.76	33.01	PASS
EGPRS1900 2 Slot	661	1880	27.11	2.5	29.61	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	27.68	2.5	30.18	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	26.42	2.5	28.92	33.01	PASS
EGPRS1900 3 Slot	661	1880	26.79	2.5	29.29	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	27.29	2.5	29.79	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	25.18	2.5	27.68	33.01	PASS
EGPRS1900 4 Slot	661	1880	25.46	2.5	27.96	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	25.82	2.5	28.32	33.01	PASS



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Frequency stability

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	5.84	0.007	2.5ppm	PASS
40		-5.66	-0.007		
30		5.86	0.007		
20		9.65	0.012		
10		5.93	0.007		
0		5.93	0.007		
-10		5.47	0.007		
-20		-5.65	-0.007		
-30		5.85	0.007		
20	Maximum Voltage	5.78	0.007		
20	BEP	-5.94	-0.007		

EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	12.83	0.015	2.5ppm	PASS
40		-12.48	-0.015		
30		12.53	0.015		
20		23.79	0.028		
10		-12.60	-0.015		
0		12.47	0.015		
-10		12.74	0.015		
-20		13.00	0.016		
-30		13.00	0.016		
20	Maximum Voltage	-13.00	-0.016		
20	BEP	-12.60	-0.015		



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GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	2.87	0.002	Within Authorized Band	PASS
40		3.03	0.002		
30		-2.85	-0.002		
20		4.16	0.002		
10		-2.89	-0.002		
0		-2.92	-0.002		
-10		2.63	0.001		
-20		2.96	0.002		
-30		2.68	0.001		
20	Maximum Voltage	2.92	0.002		
20	BEP	2.99	0.002		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	6.47	0.003	Within Authorized Band	PASS
40		6.34	0.003		
30		6.41	0.003		
20		11.14	0.006		
10		6.35	0.003		
0		-6.27	-0.003		
-10		-6.12	-0.003		
-20		-6.25	-0.003		
-30		-6.38	-0.003		
20	Maximum Voltage	6.42	0.003		
20	BEP	6.64	0.004		

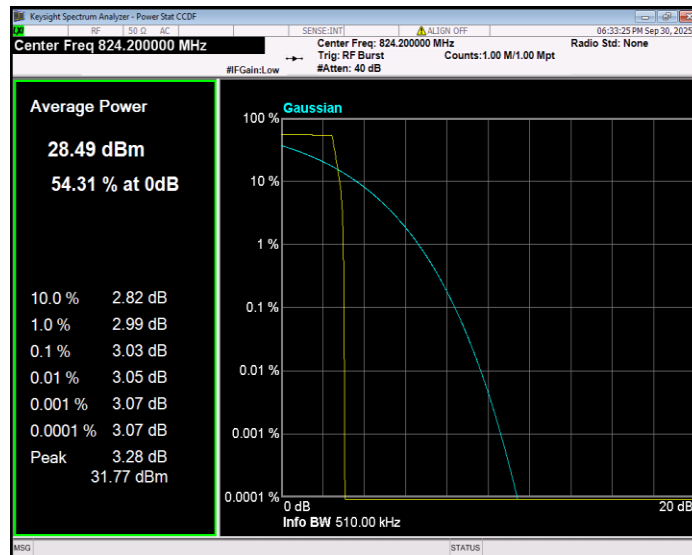


Report

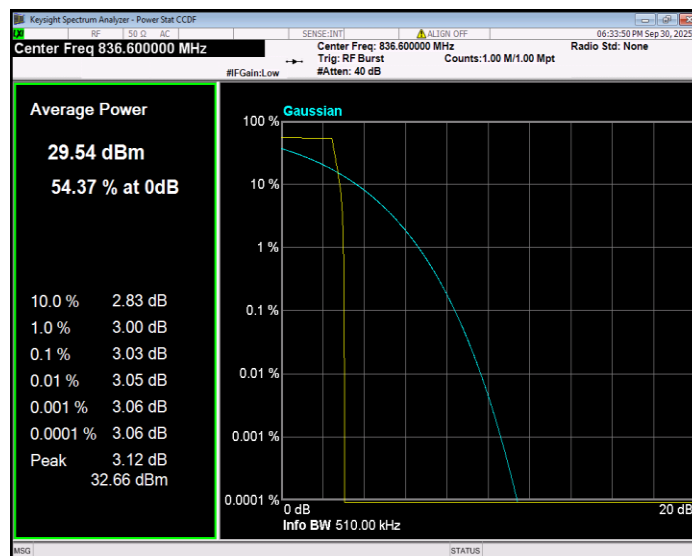
Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS850	128	824.2	3.03	13	PASS
GPRS850	190	836.6	3.03	13	PASS
GPRS850	251	848.8	3.08	13	PASS
EGPRS850	128	824.2	7.64	13	PASS
EGPRS850	190	836.6	8.15	13	PASS
EGPRS850	251	848.8	7.32	13	PASS
GPRS1900	512	1850.2	2.92	13	PASS
GPRS1900	661	1880	2.94	13	PASS
GPRS1900	810	1909.8	2.98	13	PASS
EGPRS1900	512	1850.2	6.20	13	PASS
EGPRS1900	661	1880	5.85	13	PASS
EGPRS1900	810	1909.8	5.73	13	PASS

GPRS850 Channel=128



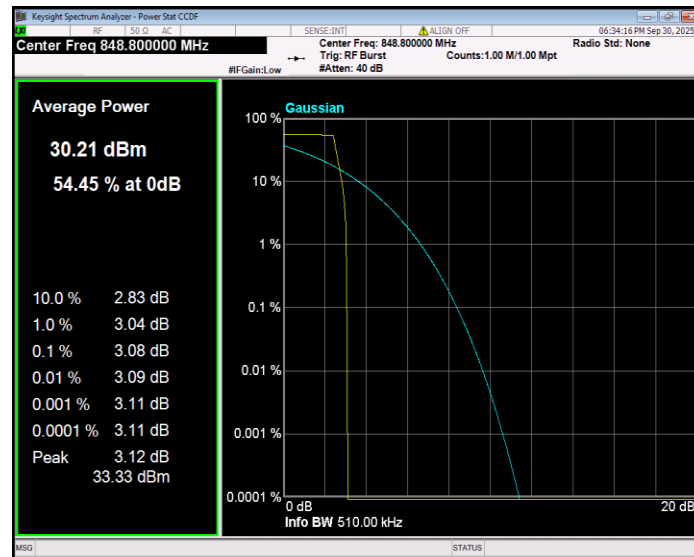
GPRS850 Channel=190





Report

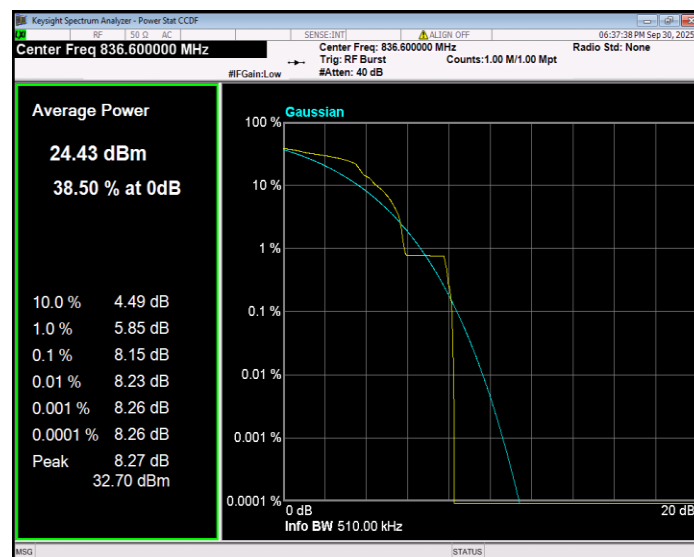
GPRS850 Channel=251



EGPRS850 Channel=128



EGPRS850 Channel=190



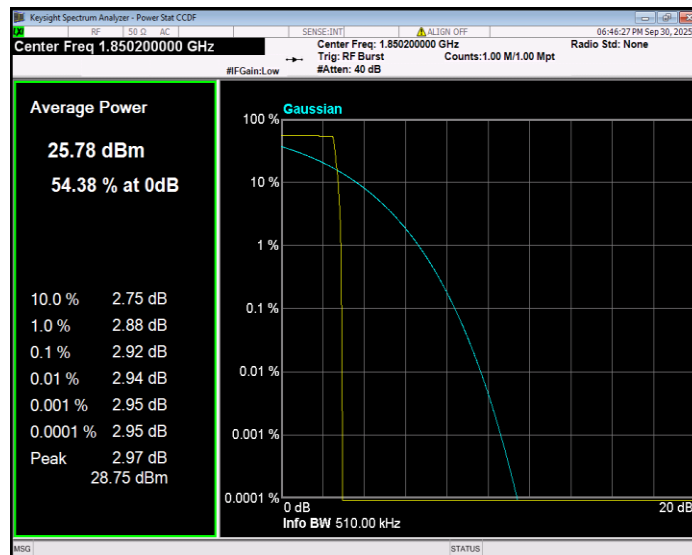


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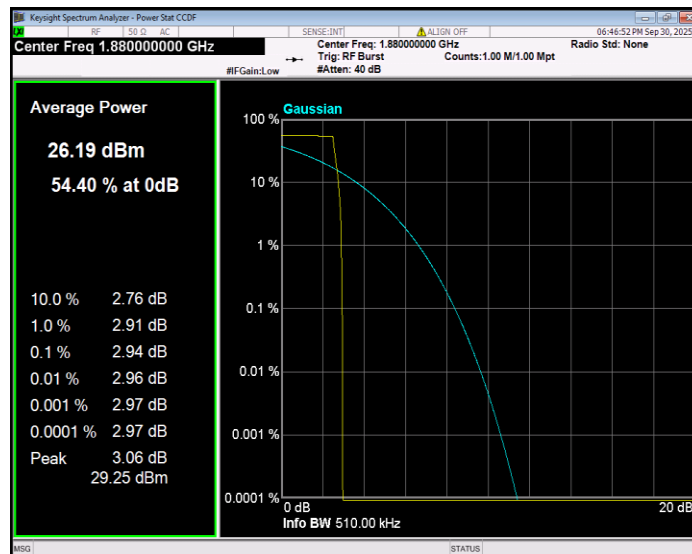
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GPRS1900 Channel=512



GPRS1900 Channel=661



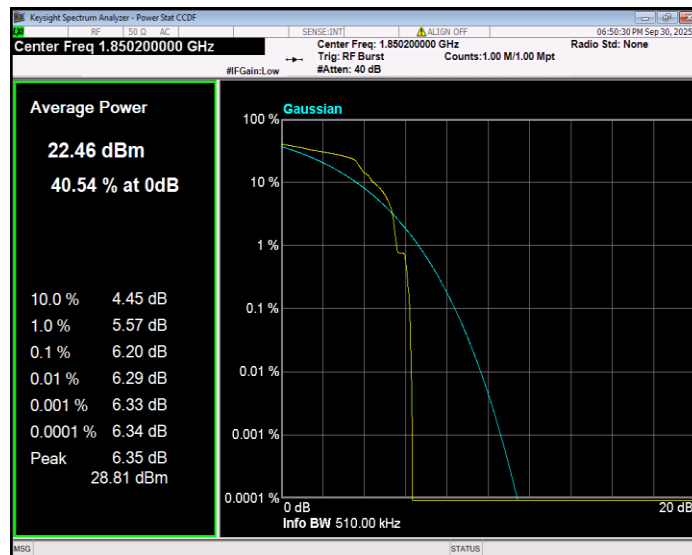


Report

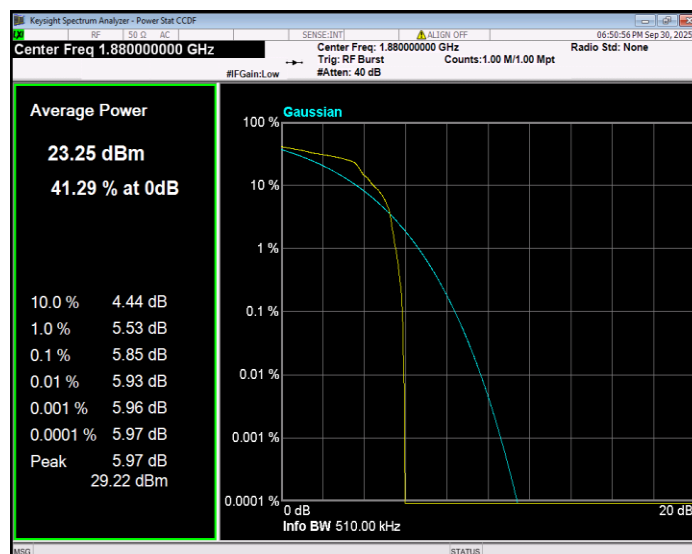
GPRS1900 Channel=810



EGPRS1900 Channel=512



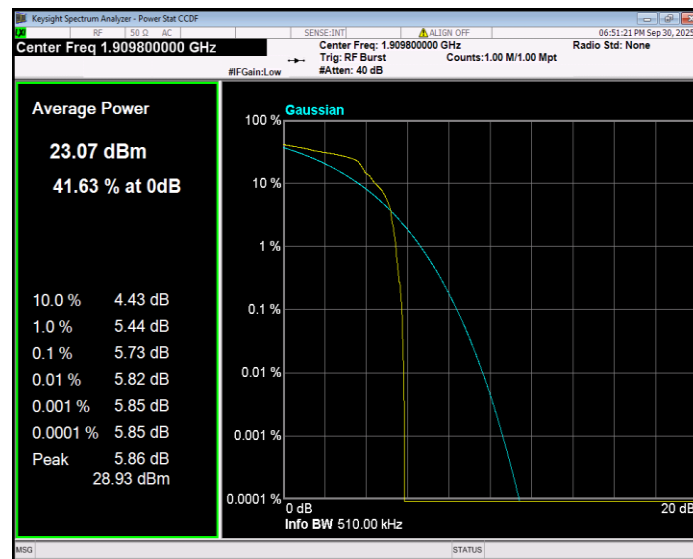
EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810



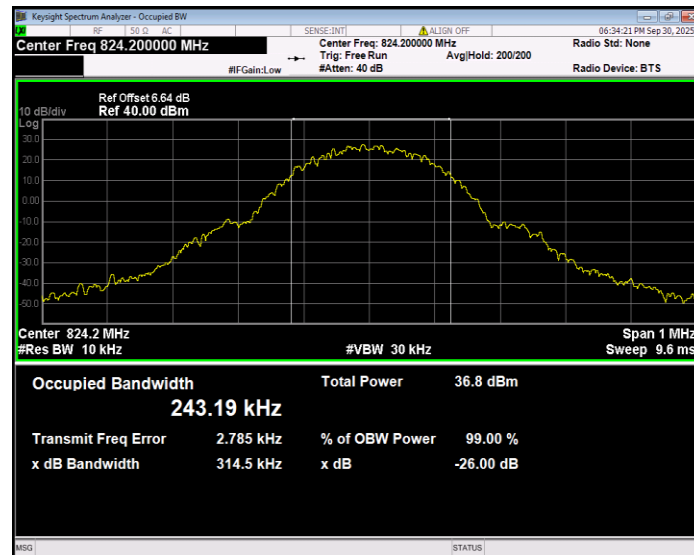


Report

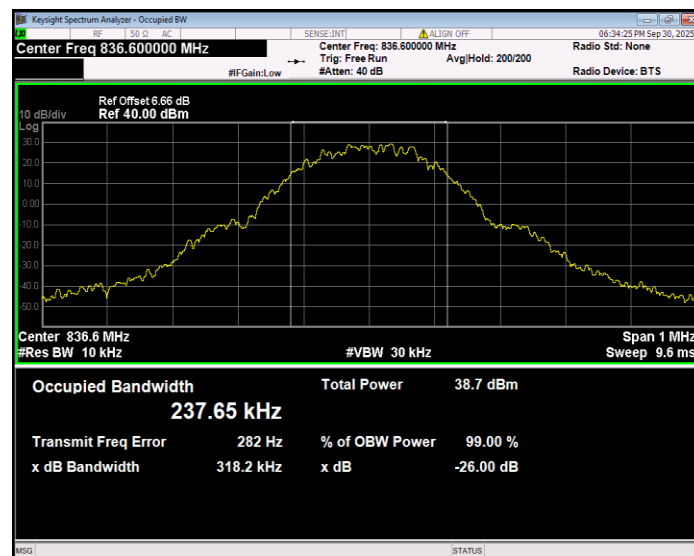
Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS850	128	824.2	243.192	314.481	PASS
GPRS850	190	836.6	237.650	318.222	PASS
GPRS850	251	848.8	244.610	316.264	PASS
EGPRS850	128	824.2	252.948	308.796	PASS
EGPRS850	190	836.6	249.795	316.129	PASS
EGPRS850	251	848.8	250.608	303.119	PASS
GPRS1900	512	1850.2	242.829	324.136	PASS
GPRS1900	661	1880	242.948	313.048	PASS
GPRS1900	810	1909.8	246.230	307.954	PASS
EGPRS1900	512	1850.2	241.802	300.863	PASS
EGPRS1900	661	1880	240.294	314.465	PASS
EGPRS1900	810	1909.8	249.300	324.953	PASS

GPRS850 Channel=128



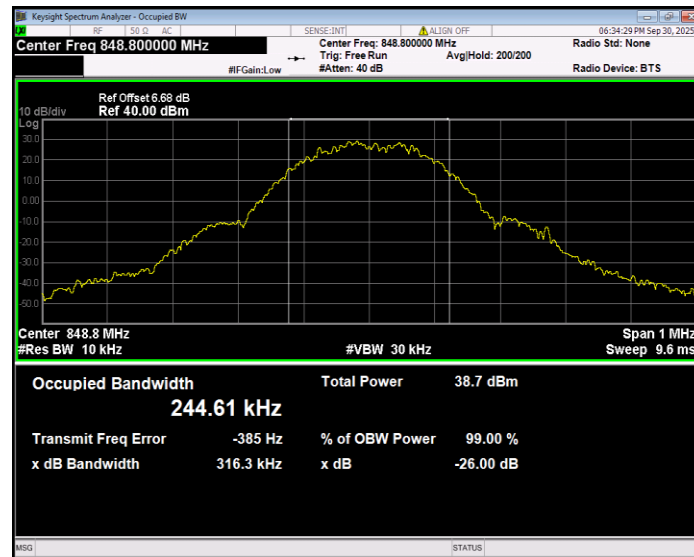
GPRS850 Channel=190



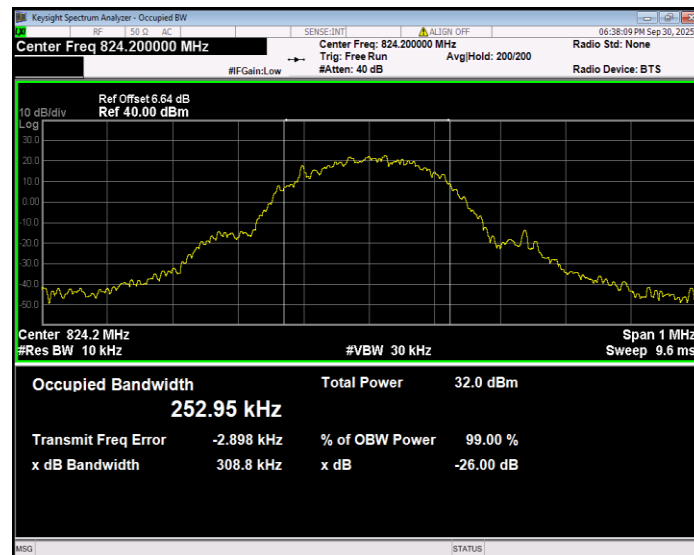


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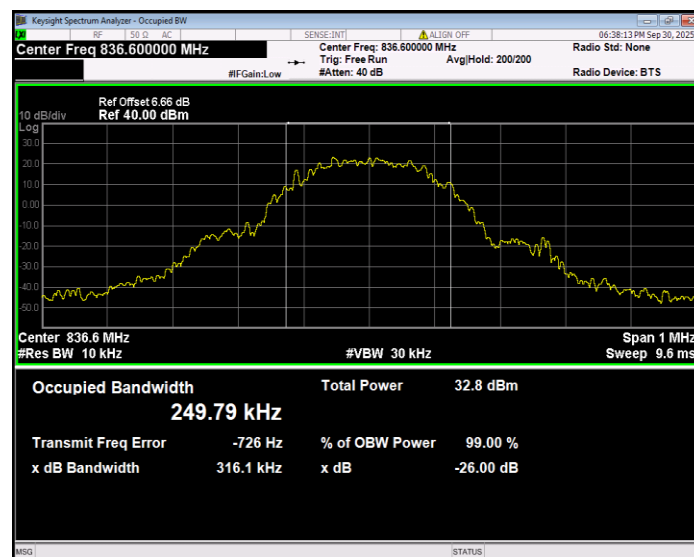
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EGPRS850 Channel=128



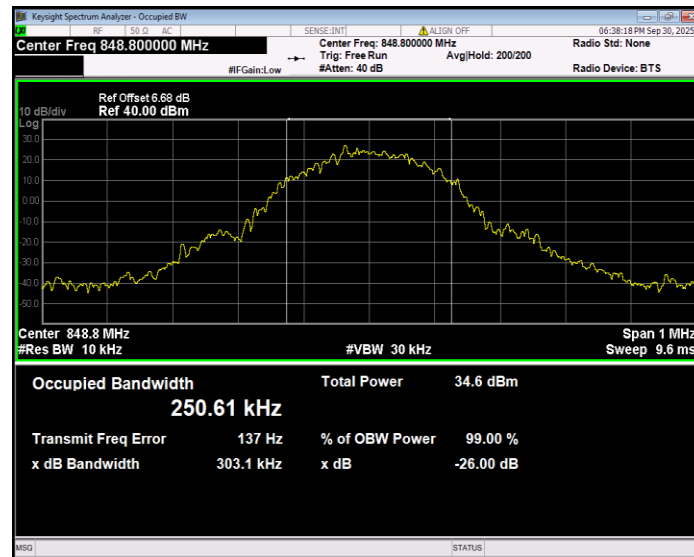
EGPRS850 Channel=190



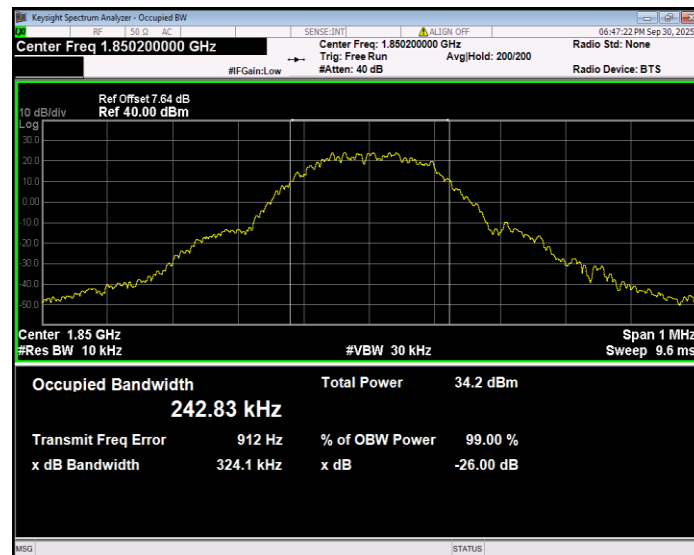


Report

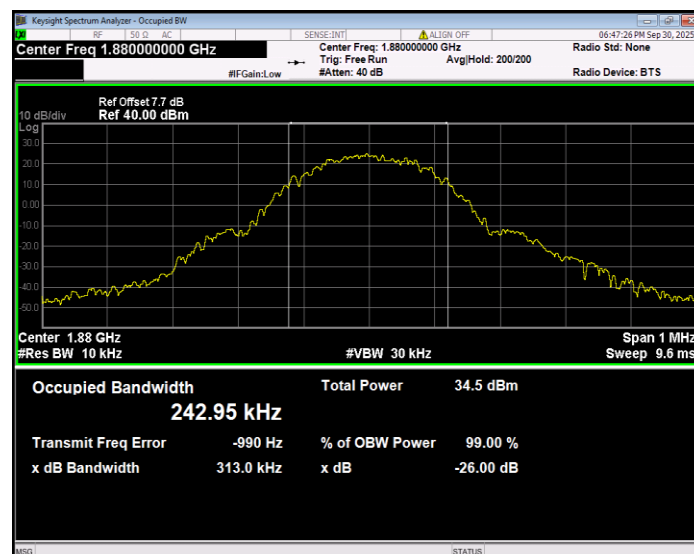
EGPRS850 Channel=251



GPRS1900 Channel=512



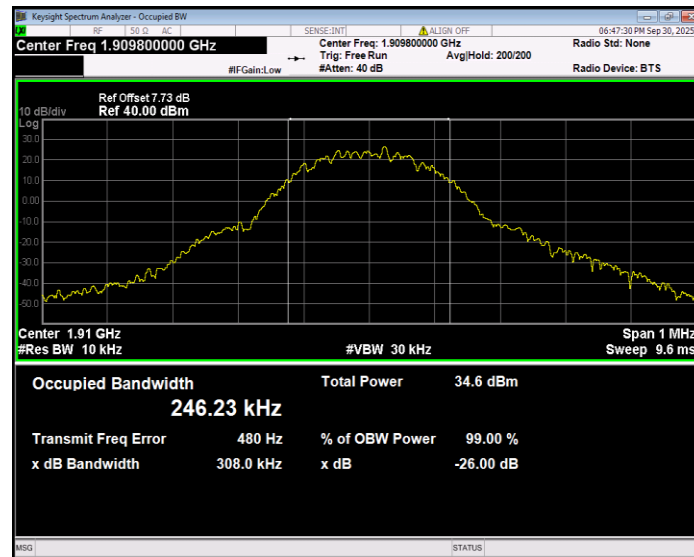
GPRS1900 Channel=661



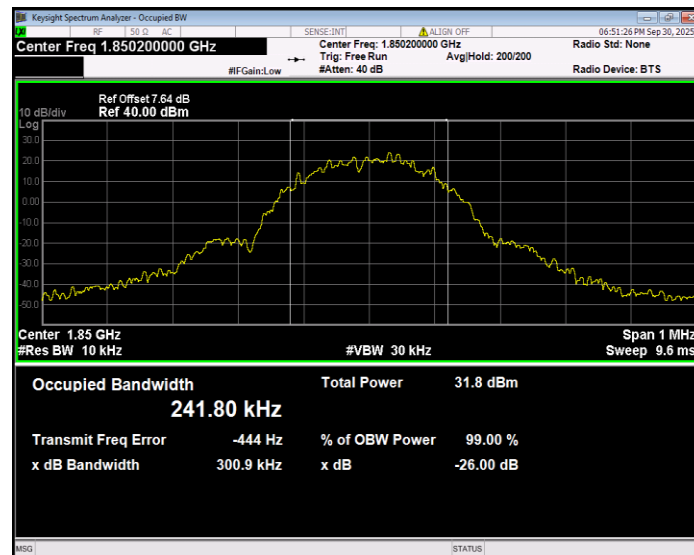


Report

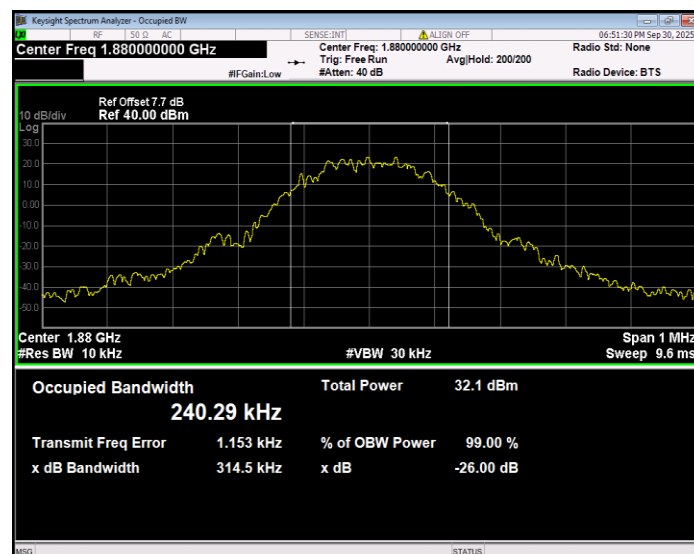
GPRS1900 Channel=810



EGPRS1900 Channel=512



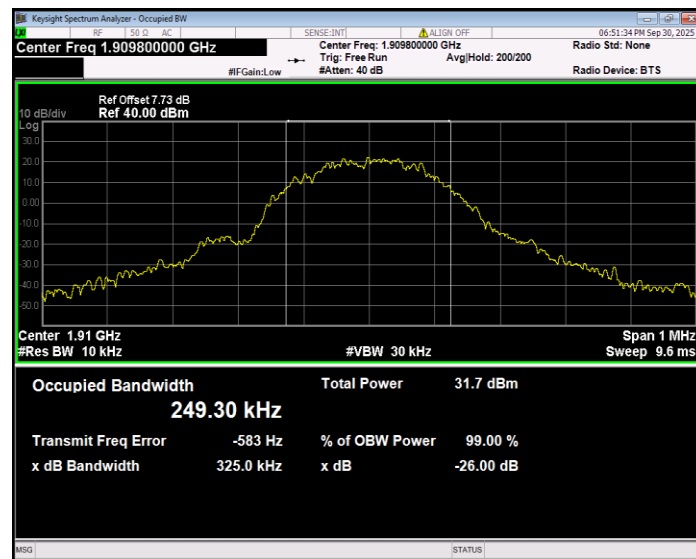
EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810



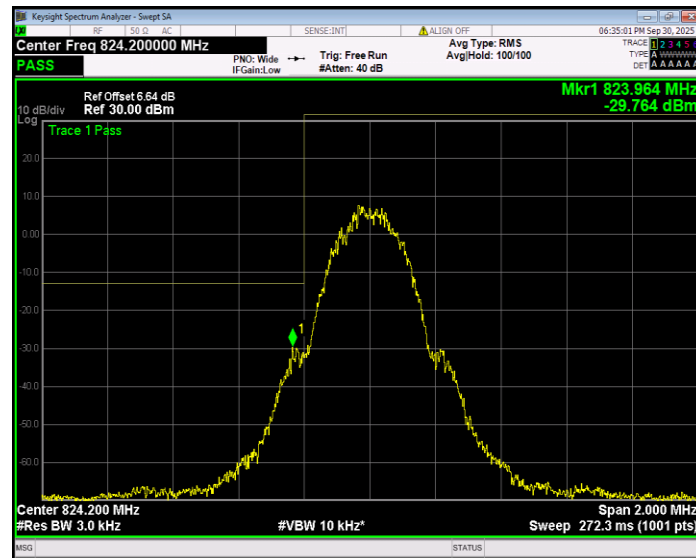


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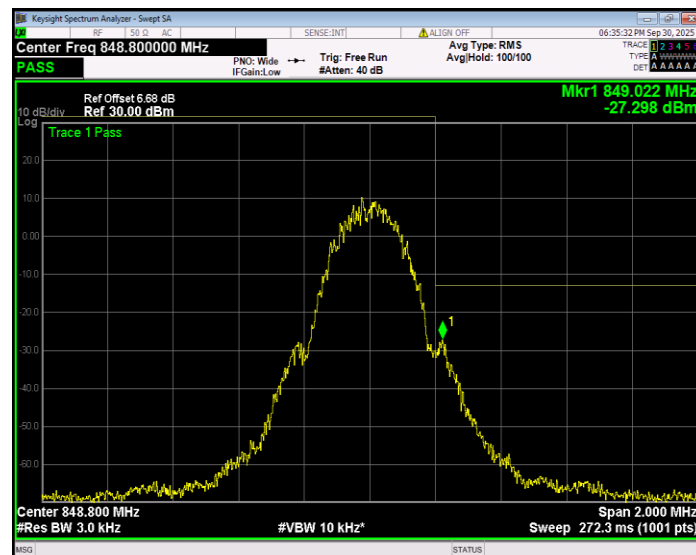
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	823.96	-29.76	-13	PASS
GPRS850	251	848.8	849.02	-27.29	-13	PASS
EGPRS850	128	824.2	823.99	-34.61	-13	PASS
EGPRS850	251	848.8	849.01	-34.15	-13	PASS
GPRS1900	512	1850.2	1849.98	-30.75	-13	PASS
GPRS1900	810	1909.8	1910.01	-32.10	-13	PASS
EGPRS1900	512	1850.2	1849.97	-36.19	-13	PASS
EGPRS1900	810	1909.8	1910.00	-34.40	-13	PASS

GPRS850 Channel=128



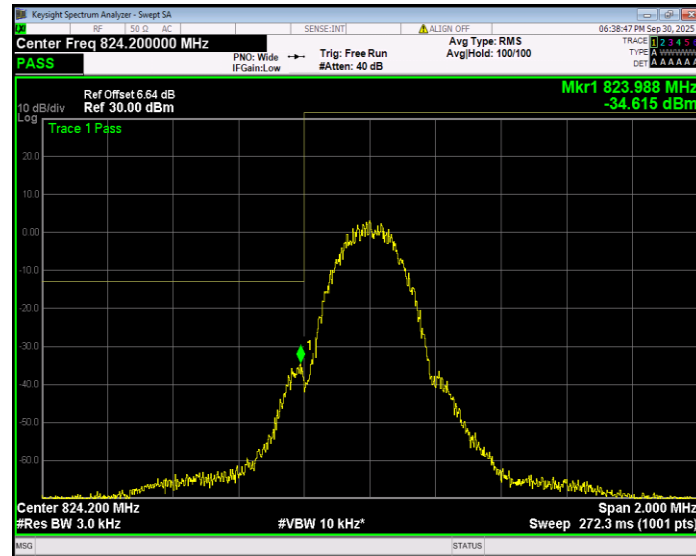
GPRS850 Channel=251



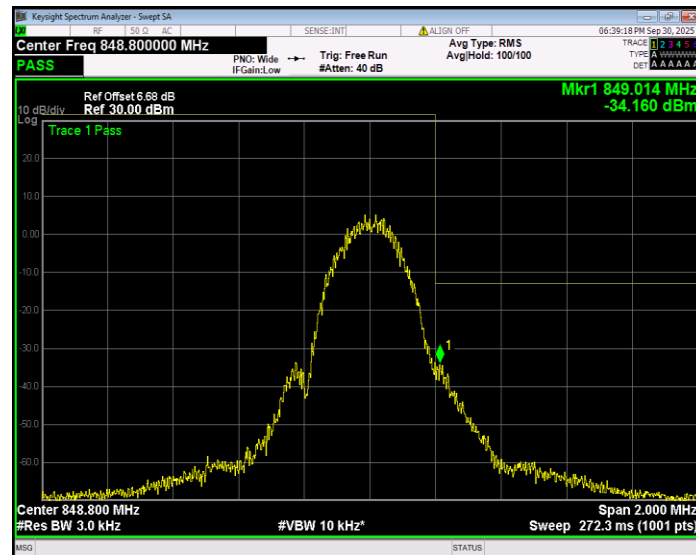
EGPRS850 Channel=128



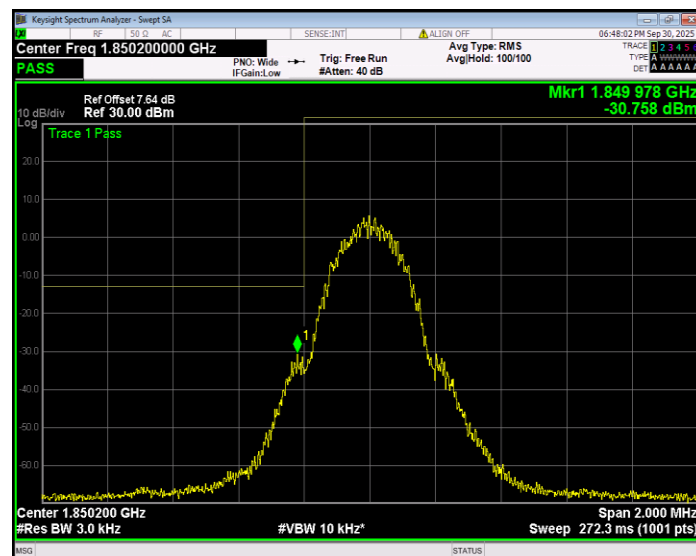
Report



EGPRS850 Channel=251



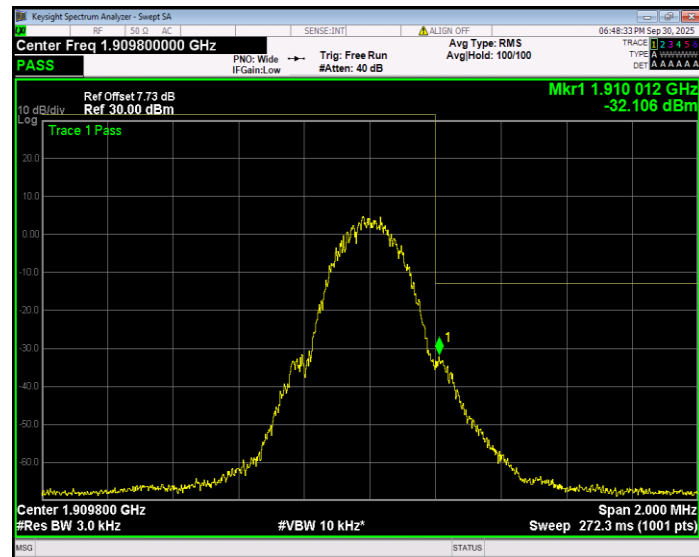
GPRS1900 Channel=512



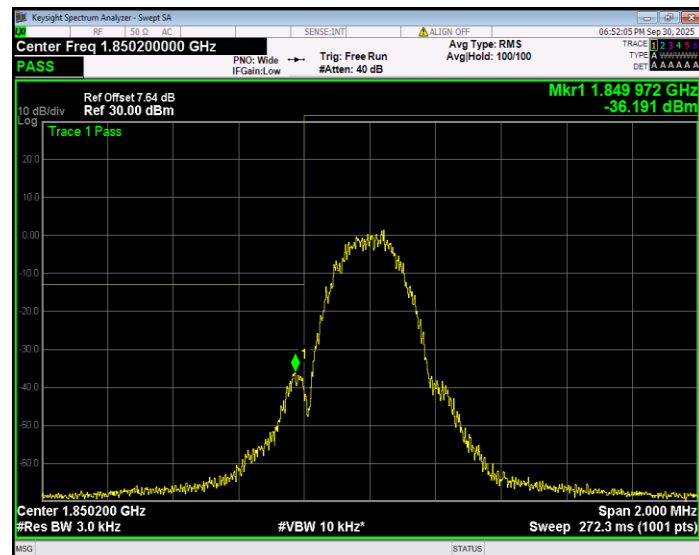


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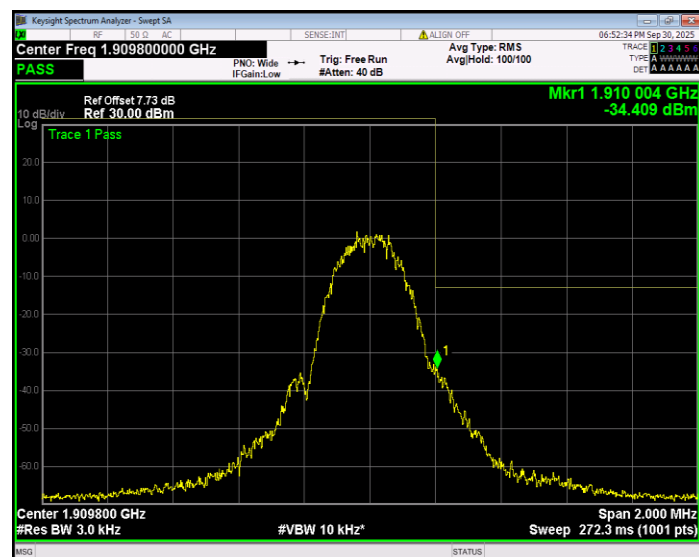
GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=810





Report

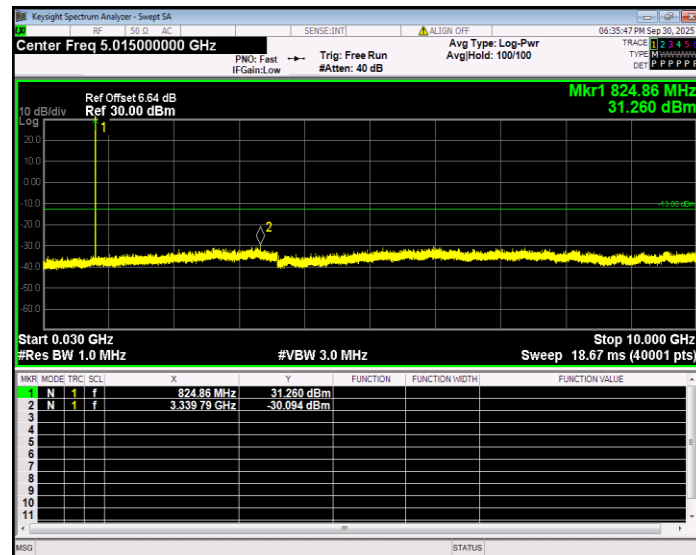


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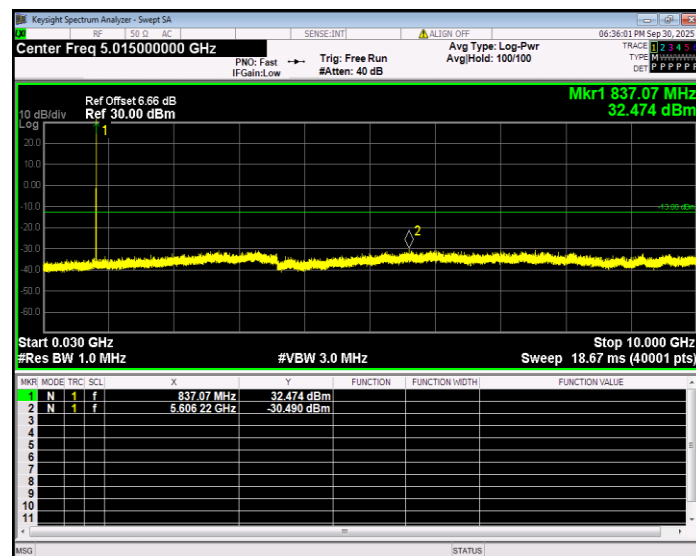
Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	3339.79	-30.09	-13	PASS
GPRS850	190	836.6	5606.22	-30.49	-13	PASS
GPRS850	251	848.8	3141.39	-30.13	-13	PASS
EGPRS850	128	824.2	3101.26	-29.39	-13	PASS
EGPRS850	190	836.6	5939.22	-30.21	-13	PASS
EGPRS850	251	848.8	3161.58	-29.96	-13	PASS
GPRS1900	512	1850.2	19701.45	-23.94	-13	PASS
GPRS1900	661	1880	18700.45	-23.34	-13	PASS
GPRS1900	810	1909.8	19614.08	-22.33	-13	PASS
EGPRS1900	512	1850.2	19809.79	-23.54	-13	PASS
EGPRS1900	661	1880	19674.49	-23.52	-13	PASS
EGPRS1900	810	1909.8	19661.51	-23.54	-13	PASS

GPRS850 Channel=128



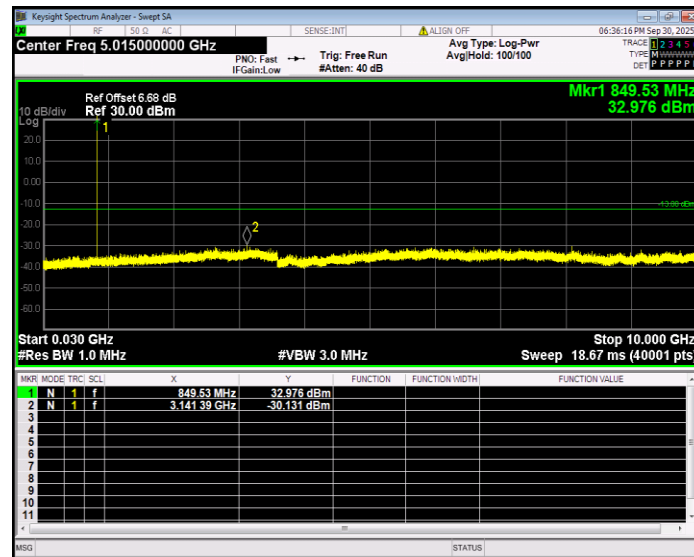
GPRS850 Channel=190



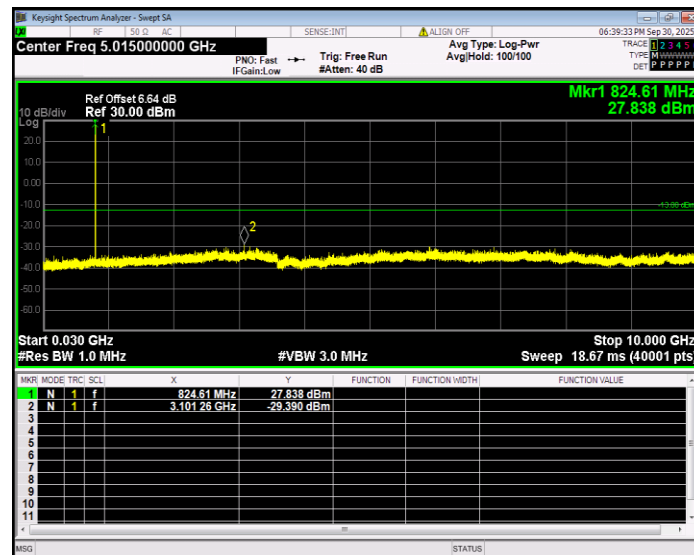


Report

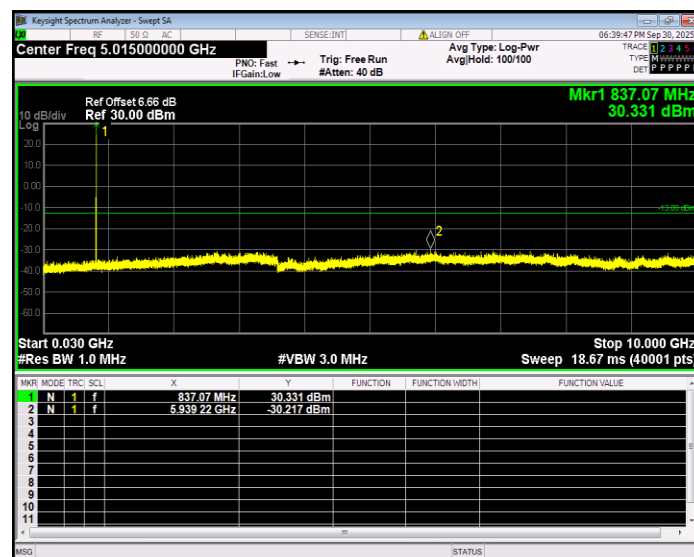
GPRS850 Channel=251



EGPRS850 Channel=128



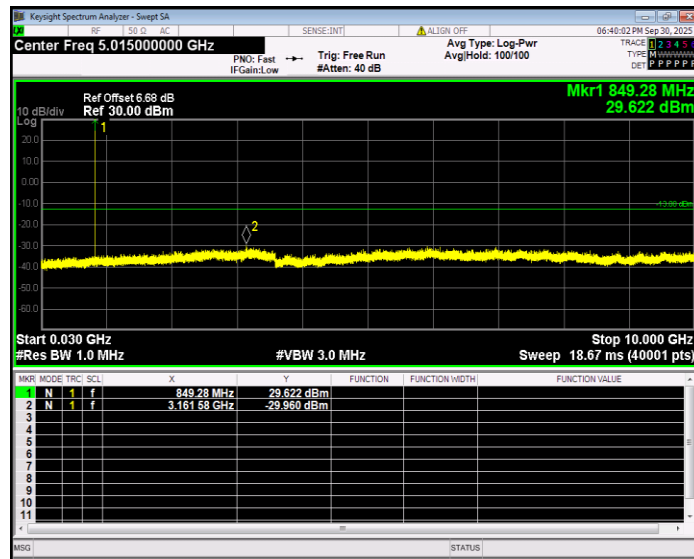
EGPRS850 Channel=190



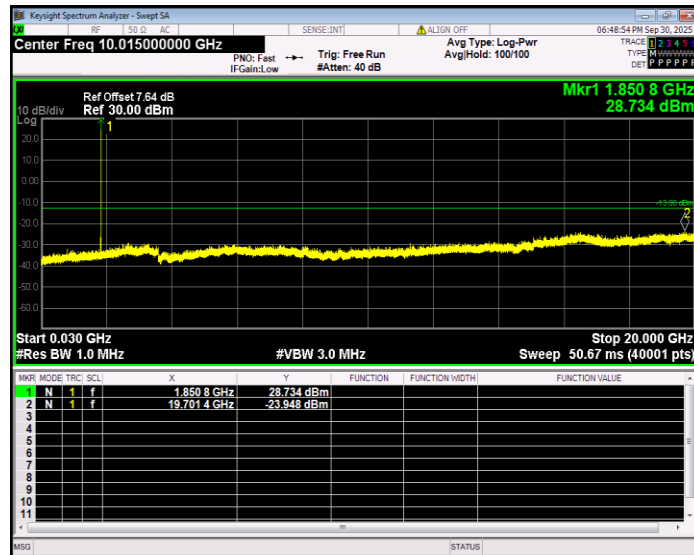


Report

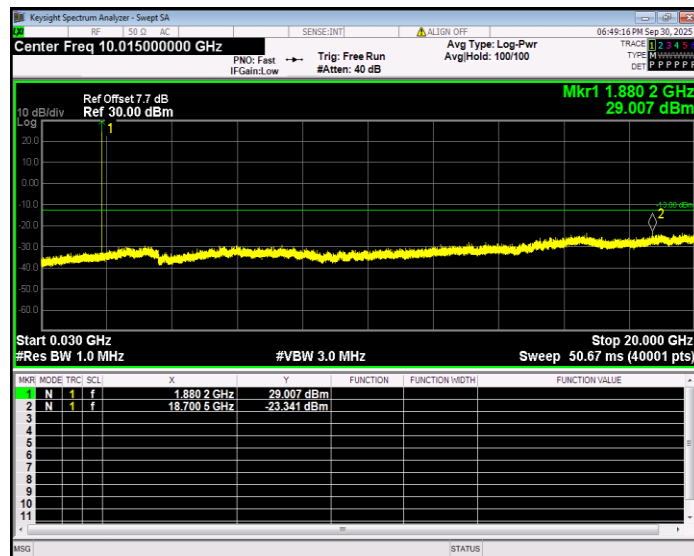
EGPRS850 Channel=251



GPRS1900 Channel=512



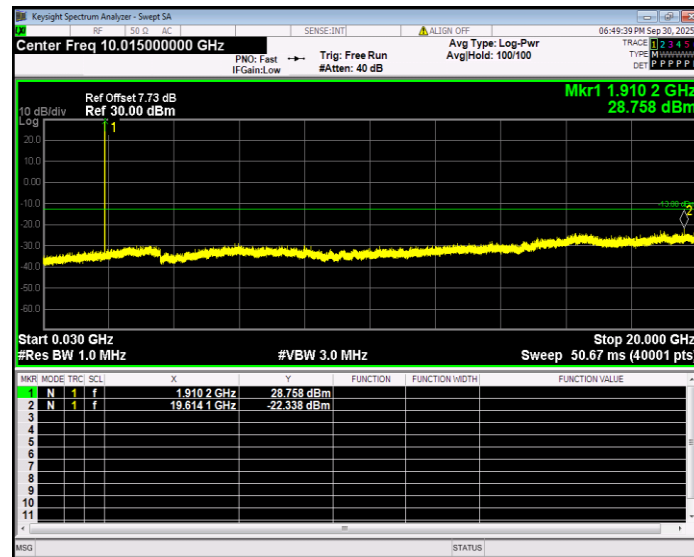
GPRS1900 Channel=661



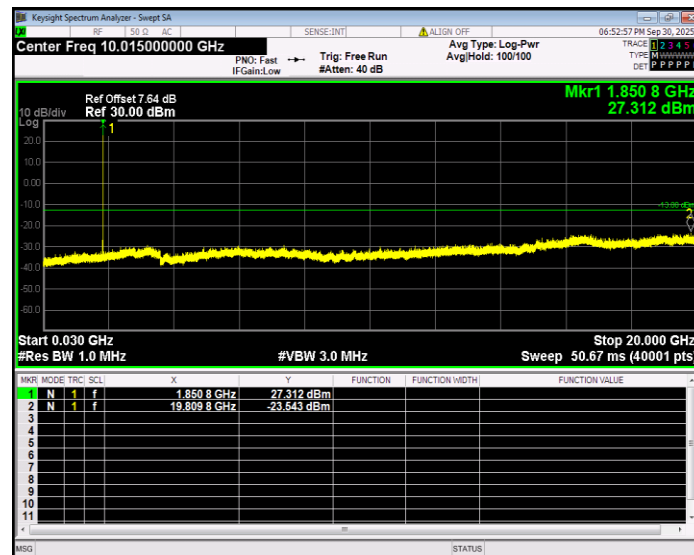


Report

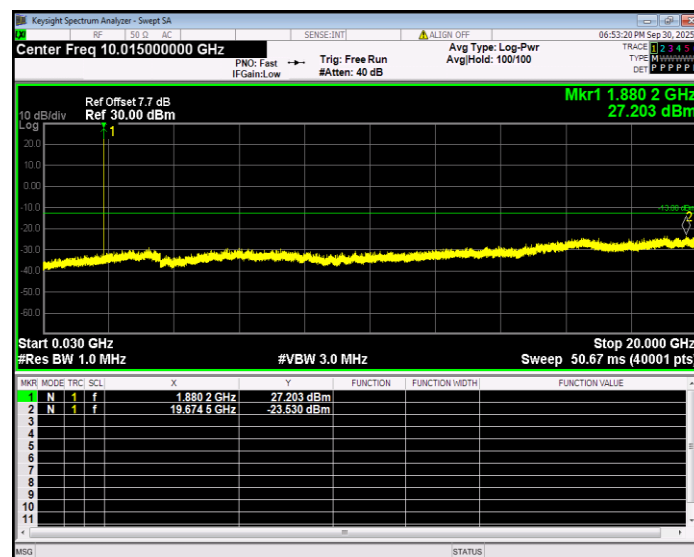
GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810

