



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	33.68	0.1	31.63	38.45	PASS
GPRS850 1 Slot	190	836.6	33.78	0.1	31.73	38.45	PASS
GPRS850 1 Slot	251	848.8	33.87	0.1	31.82	38.45	PASS
GPRS850 2 Slot	128	824.2	32.23	0.1	30.18	38.45	PASS
GPRS850 2 Slot	190	836.6	32.36	0.1	30.31	38.45	PASS
GPRS850 2 Slot	251	848.8	32.42	0.1	30.37	38.45	PASS
GPRS850 3 Slot	128	824.2	31.02	0.1	28.97	38.45	PASS
GPRS850 3 Slot	190	836.6	31.03	0.1	28.98	38.45	PASS
GPRS850 3 Slot	251	848.8	31.14	0.1	29.09	38.45	PASS
GPRS850 4 Slot	128	824.2	29.60	0.1	27.55	38.45	PASS
GPRS850 4 Slot	190	836.6	29.52	0.1	27.47	38.45	PASS
GPRS850 4 Slot	251	848.8	29.67	0.1	27.62	38.45	PASS
EGPRS850 1 Slot	128	824.2	33.67	0.1	31.62	38.45	PASS
EGPRS850 1 Slot	190	836.6	34.09	0.1	32.04	38.45	PASS
EGPRS850 1 Slot	251	848.8	33.84	0.1	31.79	38.45	PASS
EGPRS850 2 Slot	128	824.2	32.18	0.1	30.13	38.45	PASS
EGPRS850 2 Slot	190	836.6	32.32	0.1	30.27	38.45	PASS
EGPRS850 2 Slot	251	848.8	32.46	0.1	30.41	38.45	PASS
EGPRS850 3 Slot	128	824.2	30.92	0.1	28.87	38.45	PASS
EGPRS850 3 Slot	190	836.6	30.95	0.1	28.90	38.45	PASS
EGPRS850 3 Slot	251	848.8	31.10	0.1	29.05	38.45	PASS
EGPRS850 4 Slot	128	824.2	29.64	0.1	27.59	38.45	PASS
EGPRS850 4 Slot	190	836.6	29.49	0.1	27.44	38.45	PASS
EGPRS850 4 Slot	251	848.8	29.75	0.1	27.70	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	28.64	2.3	30.94	33.01	PASS
GPRS1900 1 Slot	661	1880	28.57	2.3	30.87	33.01	PASS
GPRS1900 1 Slot	810	1909.8	29.51	2.3	31.81	33.01	PASS
GPRS1900 2 Slot	512	1850.2	27.26	2.3	29.56	33.01	PASS
GPRS1900 2 Slot	661	1880	27.30	2.3	29.60	33.01	PASS
GPRS1900 2 Slot	810	1909.8	28.40	2.3	30.70	33.01	PASS
GPRS1900 3 Slot	512	1850.2	25.41	2.3	27.71	33.01	PASS
GPRS1900 3 Slot	661	1880	25.30	2.3	27.60	33.01	PASS
GPRS1900 3 Slot	810	1909.8	26.62	2.3	28.92	33.01	PASS
GPRS1900 4 Slot	512	1850.2	23.93	2.3	26.23	33.01	PASS
GPRS1900 4 Slot	661	1880	24.46	2.3	26.76	33.01	PASS
GPRS1900 4 Slot	810	1909.8	25.03	2.3	27.33	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	28.60	2.3	30.90	33.01	PASS
EGPRS1900 1 Slot	661	1880	28.53	2.3	30.83	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	29.89	2.3	32.19	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	27.25	2.3	29.55	33.01	PASS
EGPRS1900 2 Slot	661	1880	27.54	2.3	29.84	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	28.33	2.3	30.63	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	25.38	2.3	27.68	33.01	PASS
EGPRS1900 3 Slot	661	1880	25.21	2.3	27.51	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	26.46	2.3	28.76	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	24.29	2.3	26.59	33.01	PASS
EGPRS1900 4 Slot	661	1880	24.13	2.3	26.43	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	25.03	2.3	27.33	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	5.64	0.007	2.5ppm	PASS
40		5.40	0.006		
30		-5.67	-0.007		
20		9.30	0.011		
10		5.64	0.007		
0		5.20	0.006		
-10		-5.31	-0.006		
-20		-5.76	-0.007		
-30		5.65	0.007		
20	Maximum Voltage	-5.21	-0.006		
20	BEP	-5.51	-0.007		

EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	7.59	0.009	2.5ppm	PASS
40		7.58	0.009		
30		7.69	0.009		
20		13.40	0.016		
10		7.43	0.009		
0		-7.74	-0.009		
-10		7.40	0.009		
-20		7.23	0.009		
-30		7.34	0.009		
20	Maximum Voltage	7.33	0.009		
20	BEP	-7.81	-0.009		



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GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-4.62	-0.002	Within Authorized Band	PASS
40		4.60	0.002		
30		4.46	0.002		
20		-10.94	-0.006		
10		4.78	0.003		
0		-4.50	-0.002		
-10		-4.92	-0.003		
-20		4.60	0.002		
-30		-4.78	-0.003		
20	Maximum Voltage	-4.49	-0.002		
20	BEP	4.51	0.002		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-1.98	-0.001	Within Authorized Band	PASS
40		1.89	0.001		
30		1.94	0.001		
20		-5.10	-0.003		
10		1.79	0.001		
0		1.99	0.001		
-10		1.45	0.001		
-20		-1.60	-0.001		
-30		1.58	0.001		
20	Maximum Voltage	1.44	0.001		
20	BEP	1.61	0.001		

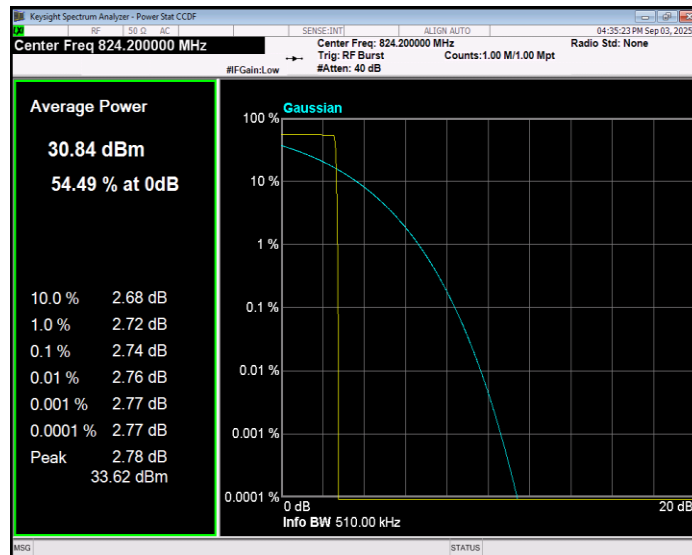


Report

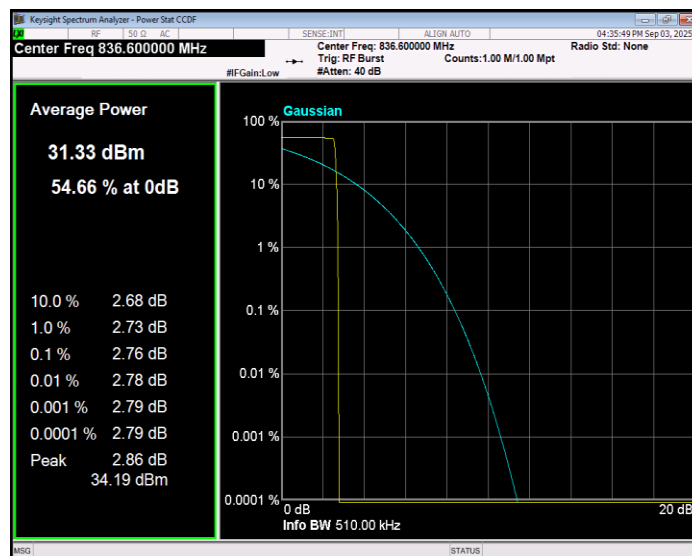
Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS850	128	824.2	2.74	13	PASS
GPRS850	190	836.6	2.76	13	PASS
GPRS850	251	848.8	2.77	13	PASS
EGPRS850	128	824.2	2.74	13	PASS
EGPRS850	190	836.6	2.77	13	PASS
EGPRS850	251	848.8	2.76	13	PASS
GPRS1900	512	1850.2	3.10	13	PASS
GPRS1900	661	1880	3.24	13	PASS
GPRS1900	810	1909.8	3.44	13	PASS
EGPRS1900	512	1850.2	3.12	13	PASS
EGPRS1900	661	1880	3.23	13	PASS
EGPRS1900	810	1909.8	3.44	13	PASS

GPRS850 Channel=128



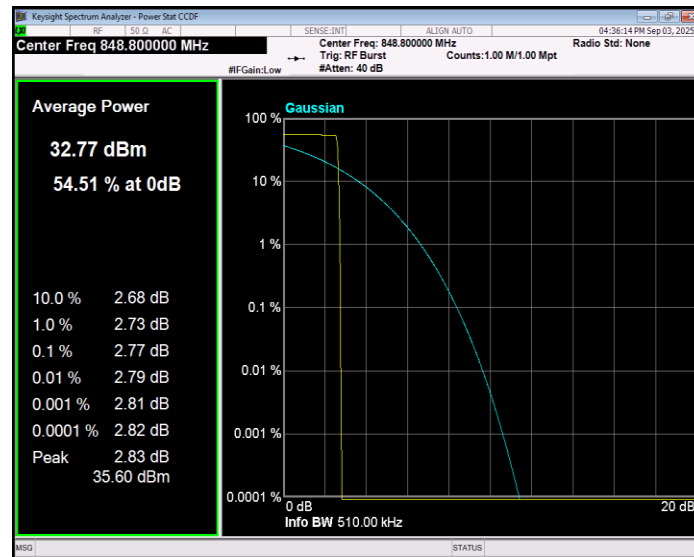
GPRS850 Channel=190





Report

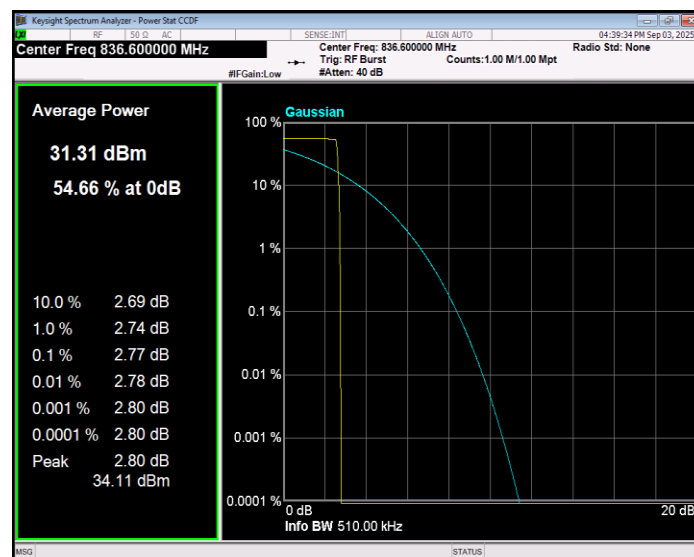
GPRS850 Channel=251



EGPRS850 Channel=128



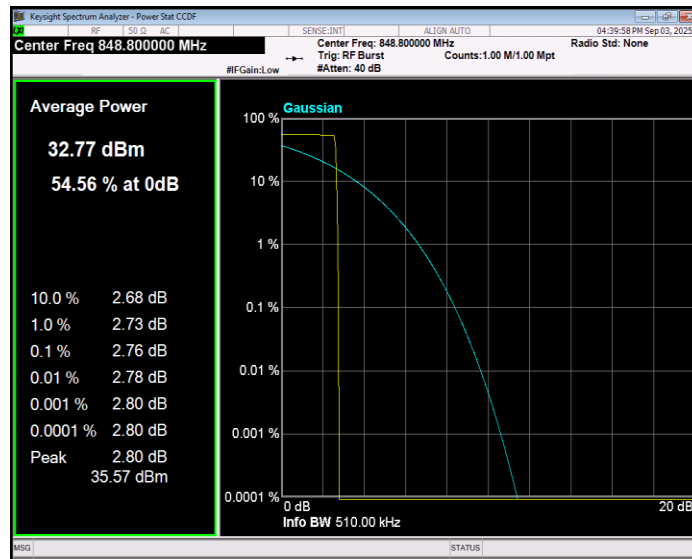
EGPRS850 Channel=190



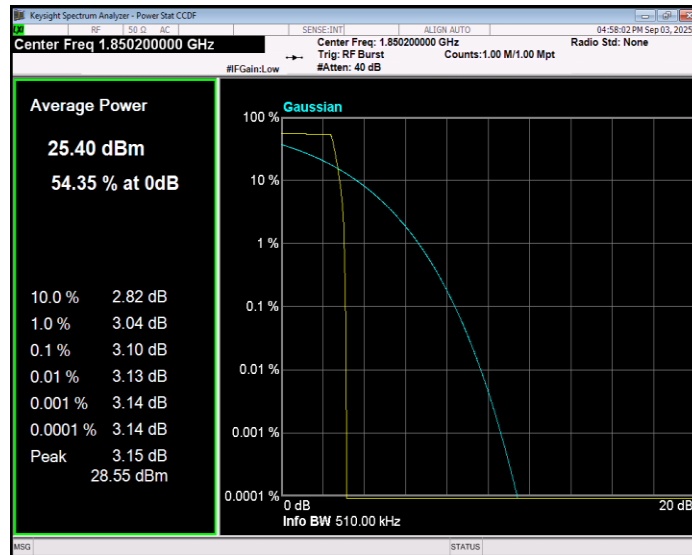


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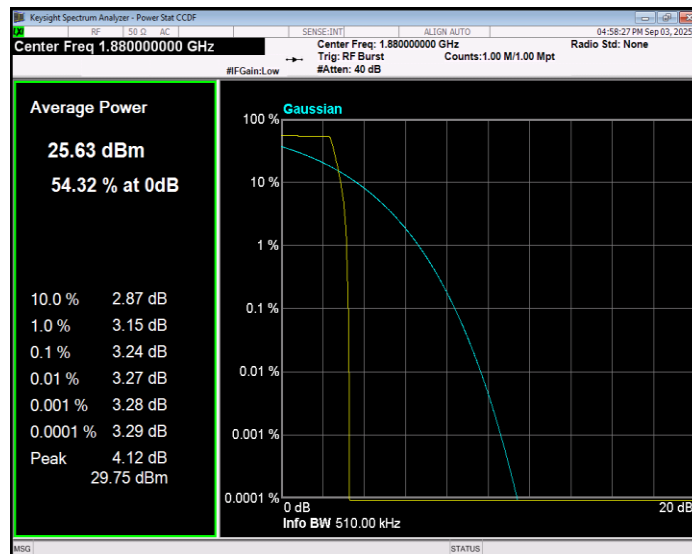
EGPRS850 Channel=251



GPRS1900 Channel=512



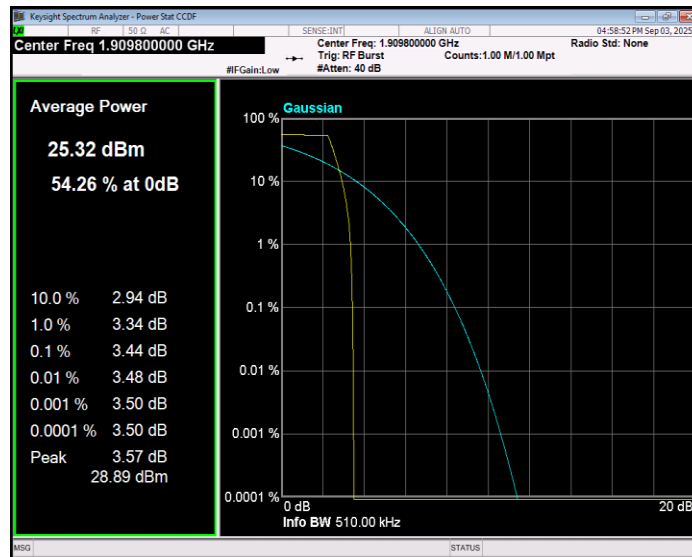
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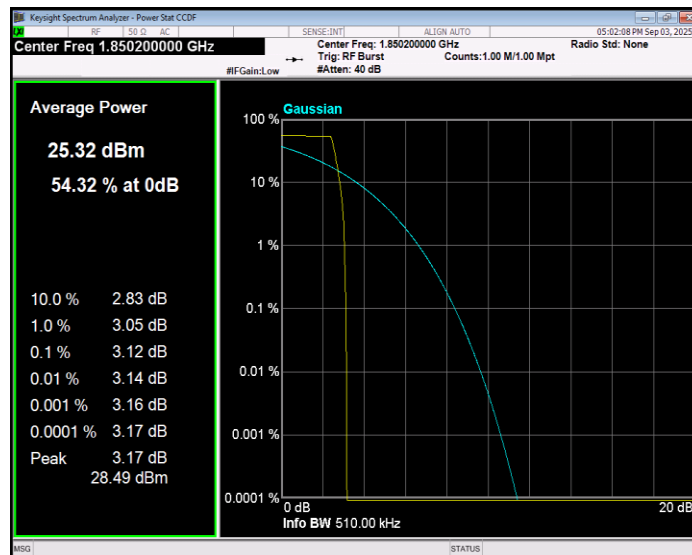


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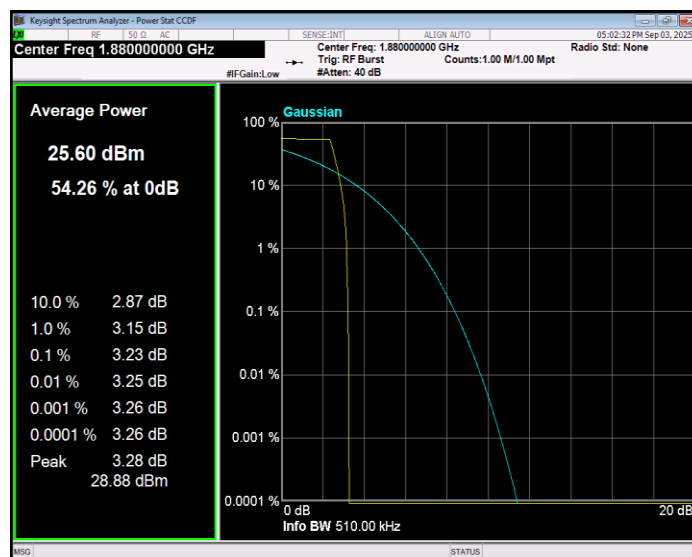
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EGPRS1900 Channel=512



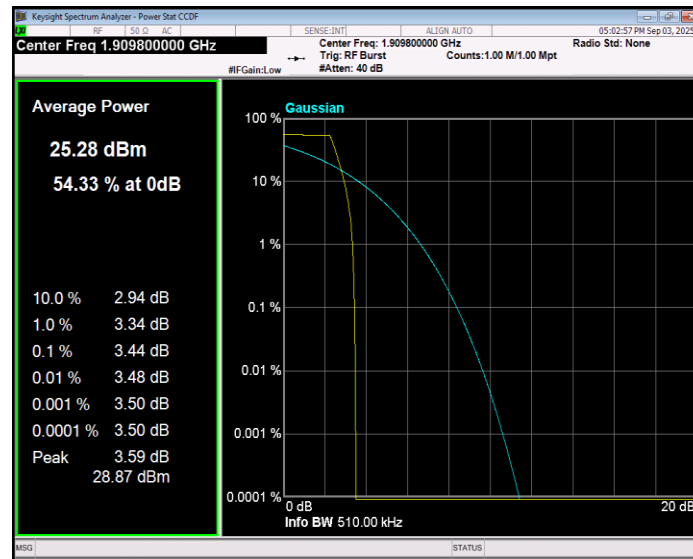
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Report

EGPRS1900 Channel=810



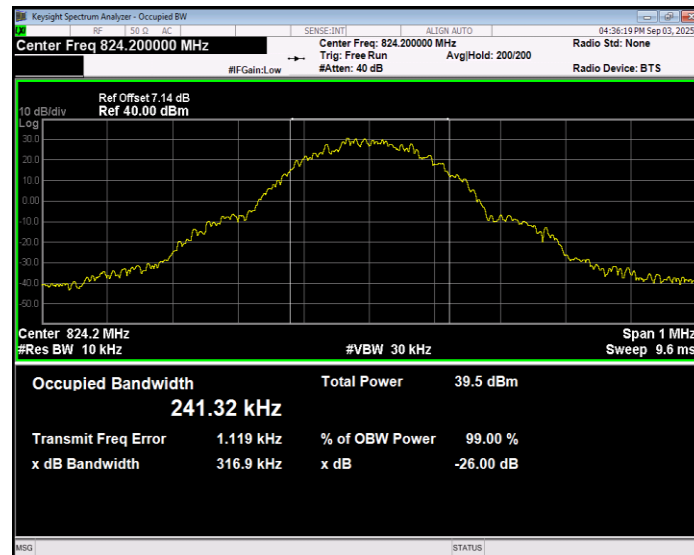


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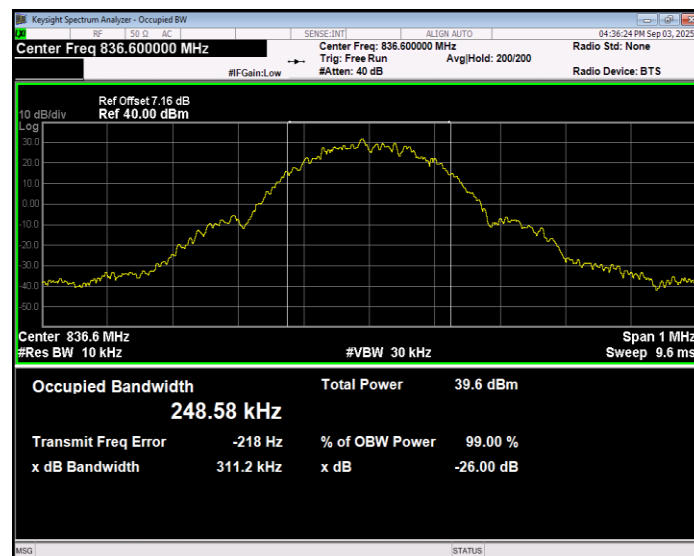
Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS850	128	824.2	241.316	316.945	PASS
GPRS850	190	836.6	248.583	311.194	PASS
GPRS850	251	848.8	241.665	321.240	PASS
EGPRS850	128	824.2	236.957	300.116	PASS
EGPRS850	190	836.6	244.032	311.398	PASS
EGPRS850	251	848.8	241.739	308.379	PASS
GPRS1900	512	1850.2	245.832	316.025	PASS
GPRS1900	661	1880	252.358	310.006	PASS
GPRS1900	810	1909.8	247.524	313.364	PASS
EGPRS1900	512	1850.2	246.122	311.091	PASS
EGPRS1900	661	1880	242.928	315.778	PASS
EGPRS1900	810	1909.8	248.418	323.459	PASS

GPRS850 Channel=128



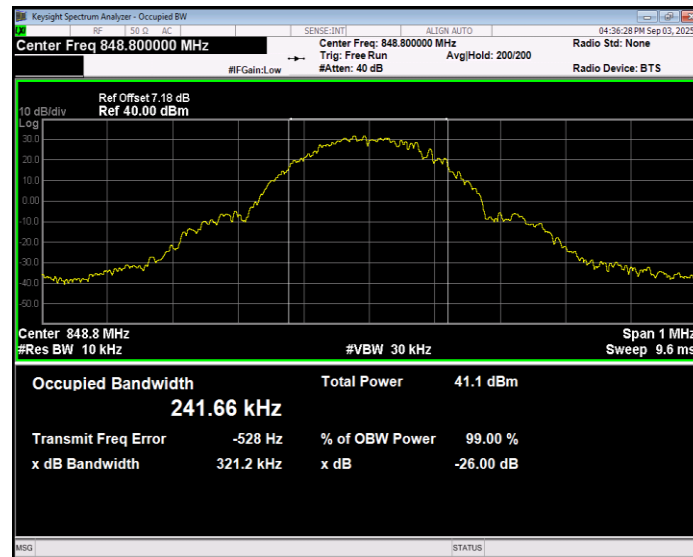
GPRS850 Channel=190



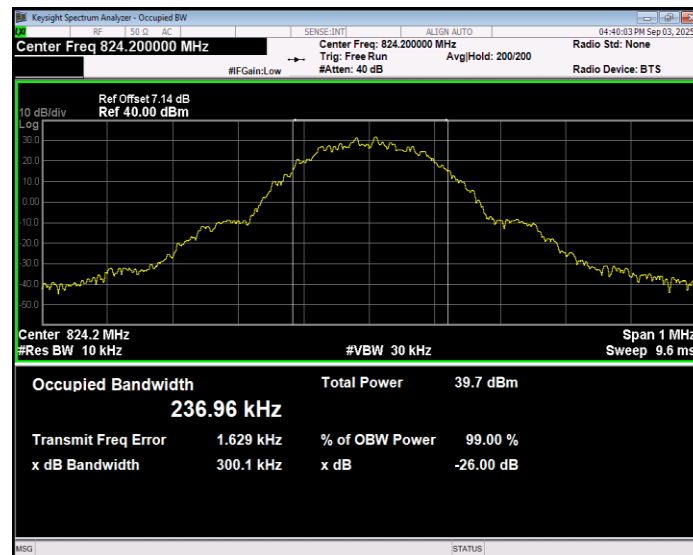


Report

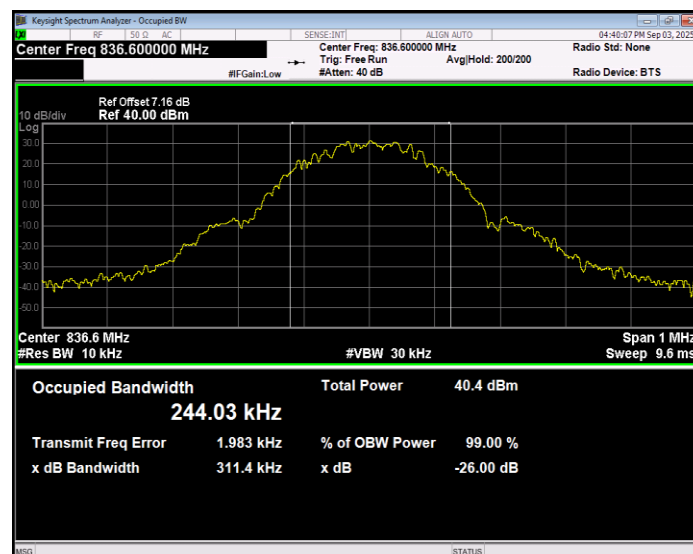
GPRS850 Channel=251



EGPRS850 Channel=128



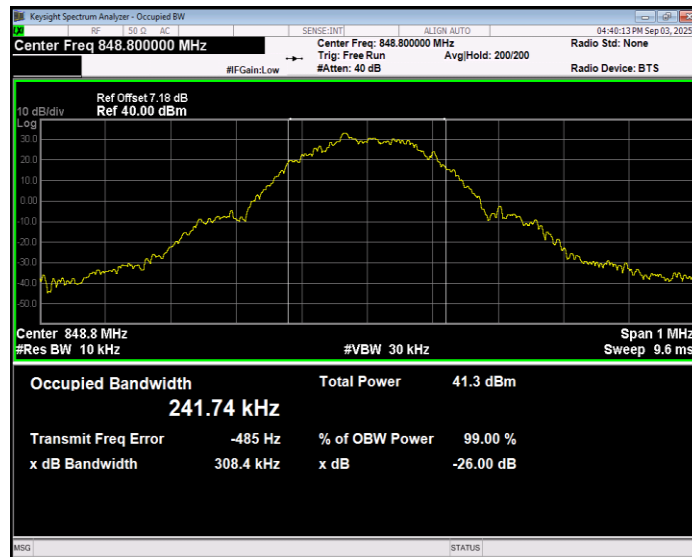
EGPRS850 Channel=190



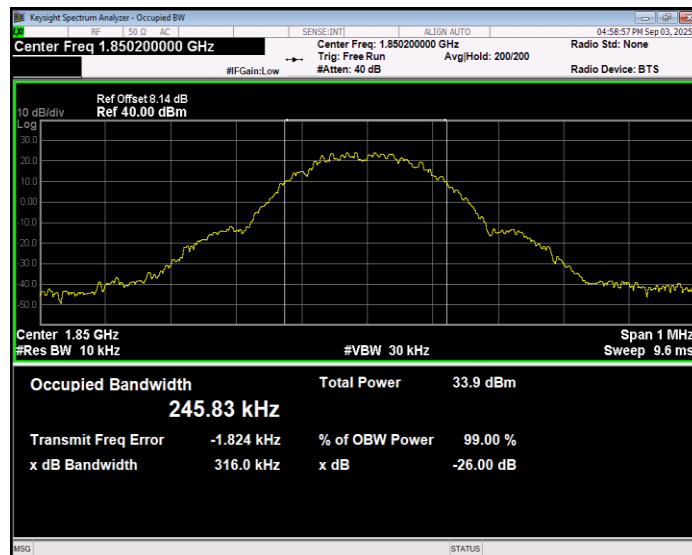


Report

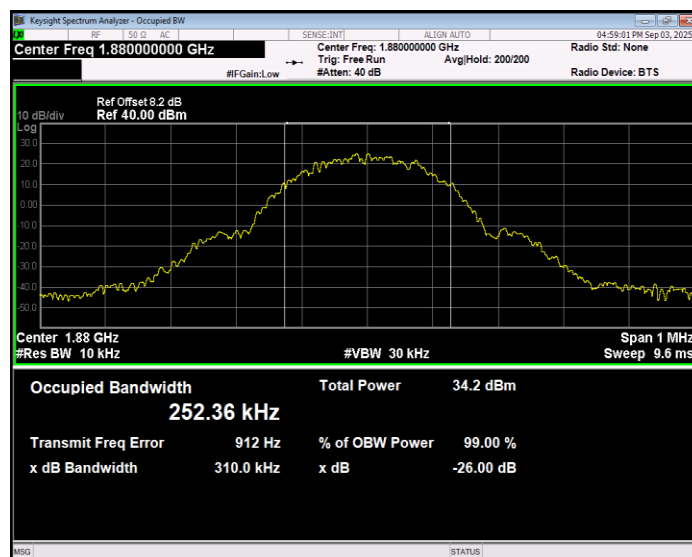
EGPRS850 Channel=251



GPRS1900 Channel=512



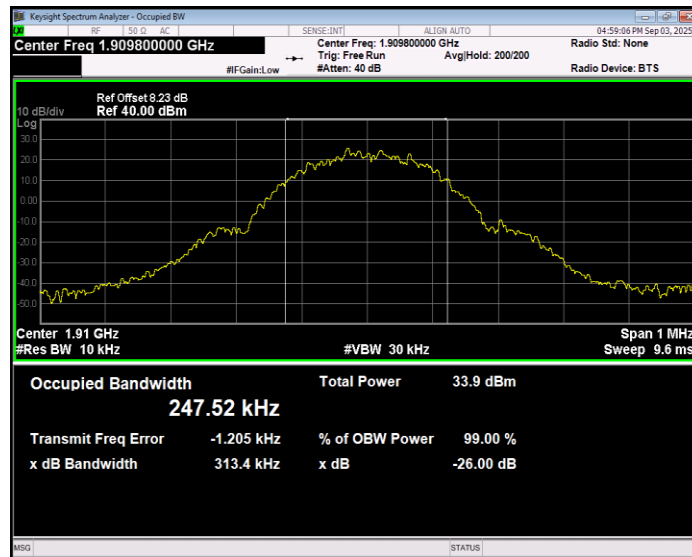
GPRS1900 Channel=661



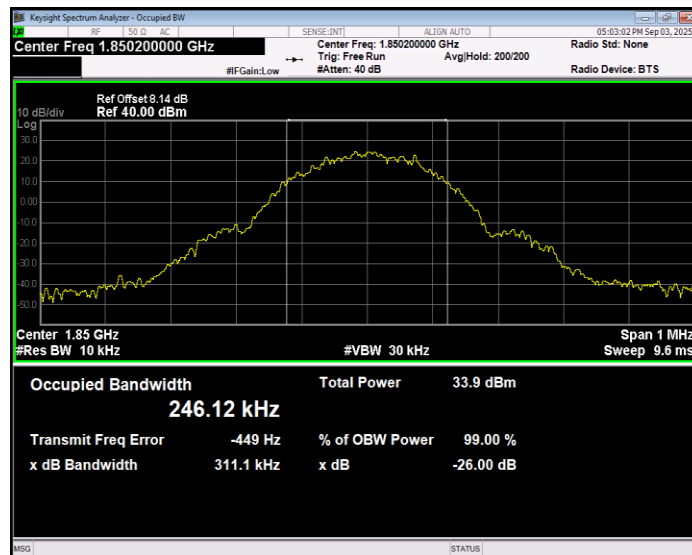


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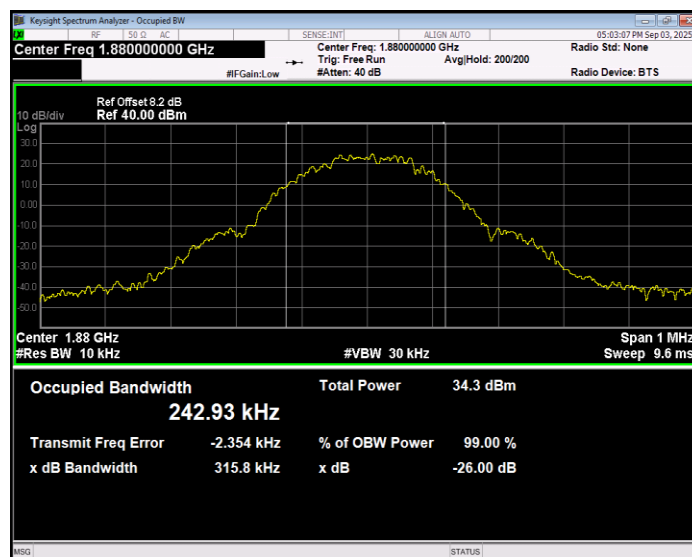
GPRS1900 Channel=810



EGPRS1900 Channel=512



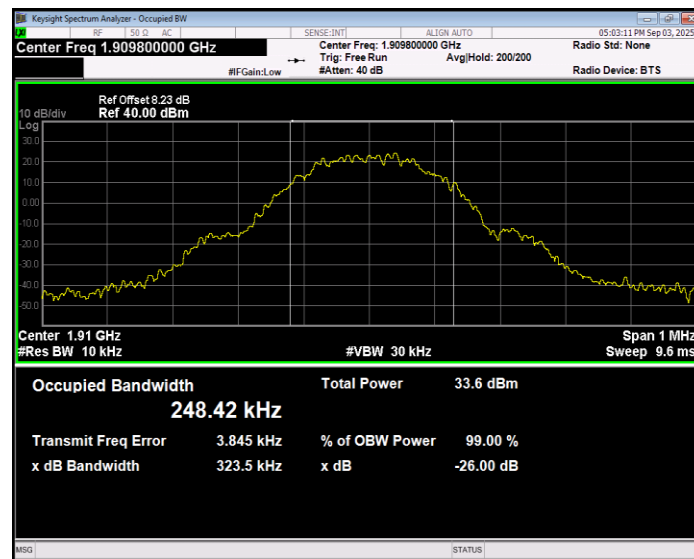
EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810



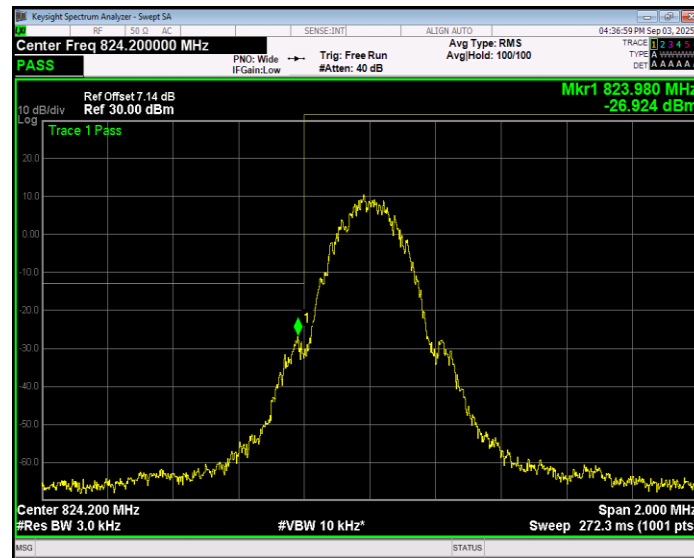


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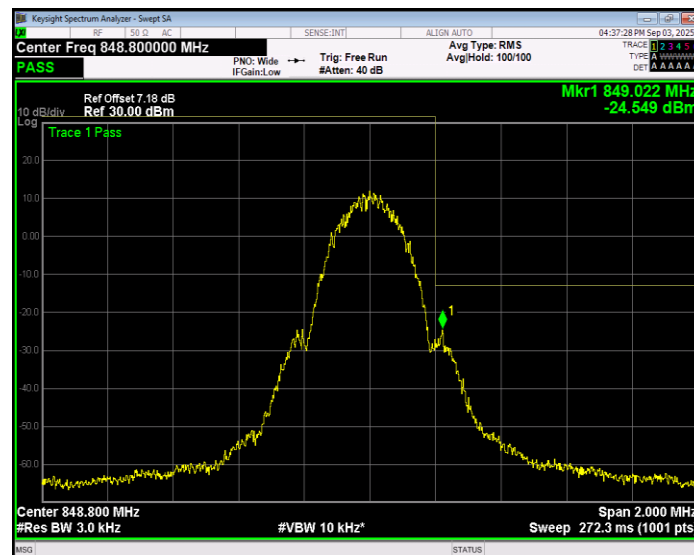
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	823.98	-26.92	-13	PASS
GPRS850	251	848.8	849.02	-24.54	-13	PASS
EGPRS850	128	824.2	823.98	-26.44	-13	PASS
EGPRS850	251	848.8	849.03	-25.72	-13	PASS
GPRS1900	512	1850.2	1849.98	-32.30	-13	PASS
GPRS1900	810	1909.8	1910.01	-32.43	-13	PASS
EGPRS1900	512	1850.2	1849.98	-32.03	-13	PASS
EGPRS1900	810	1909.8	1910.02	-32.52	-13	PASS

GPRS850 Channel=128



GPRS850 Channel=251



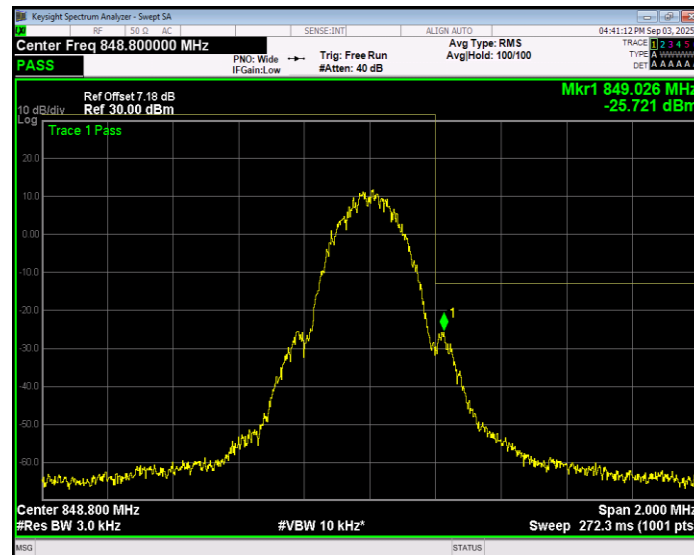
EGPRS850 Channel=128



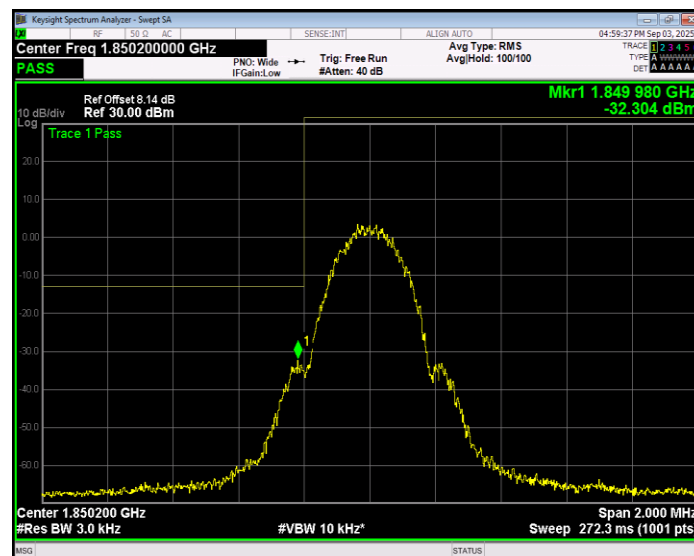
Report



EGPRS850 Channel=251



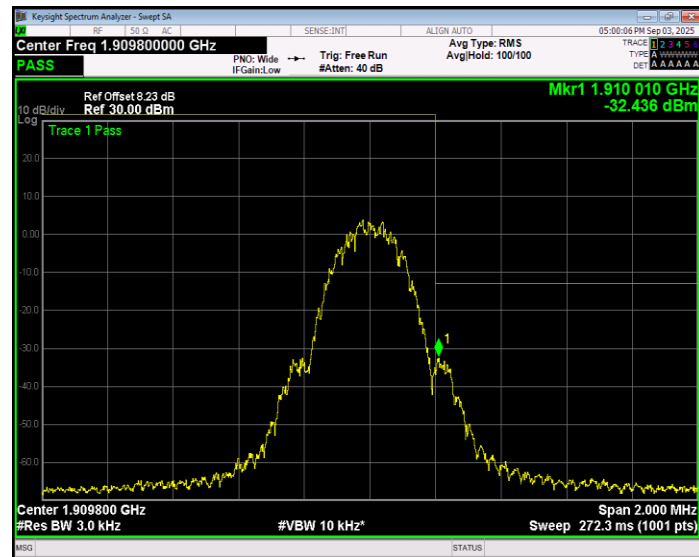
GPRS1900 Channel=512



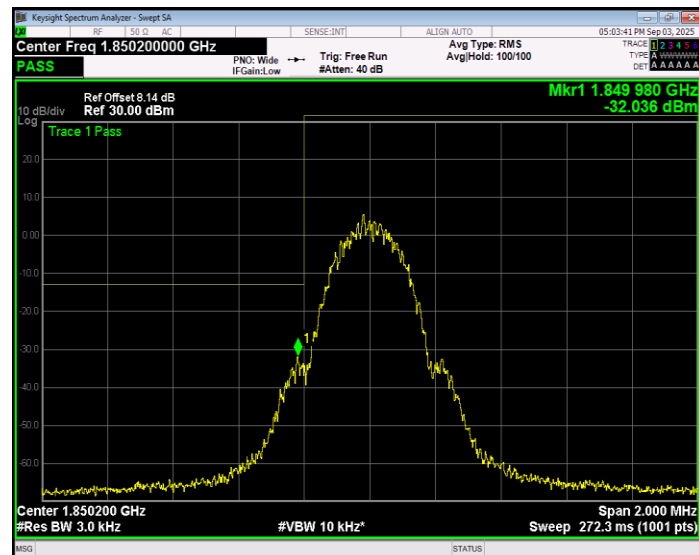


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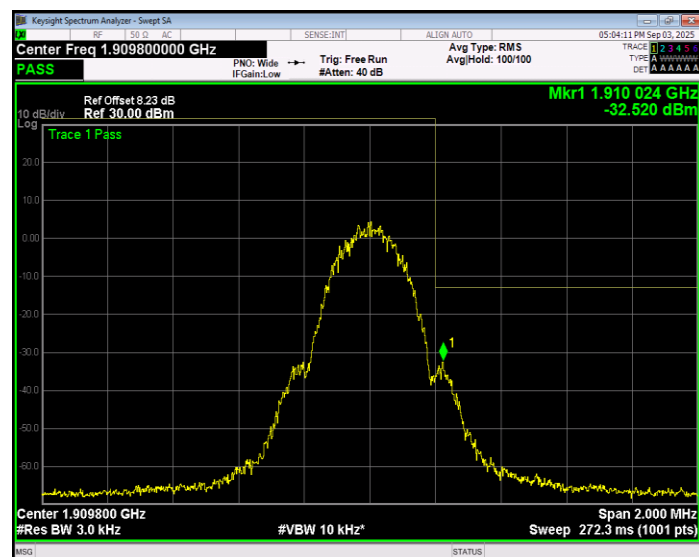
GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=810





Report

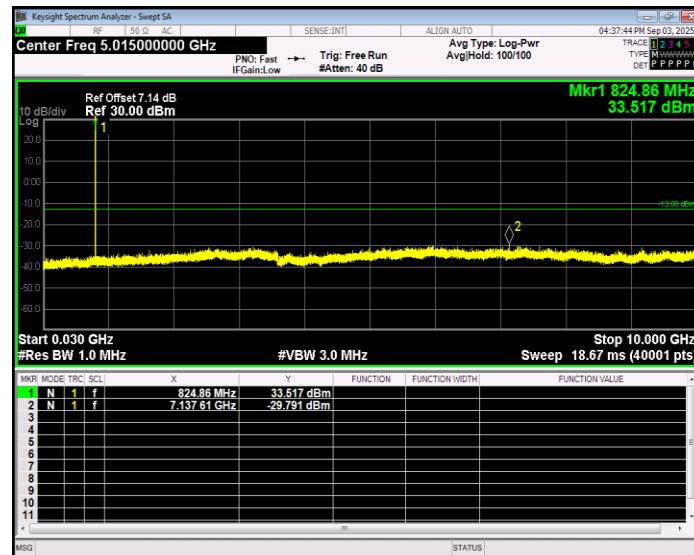


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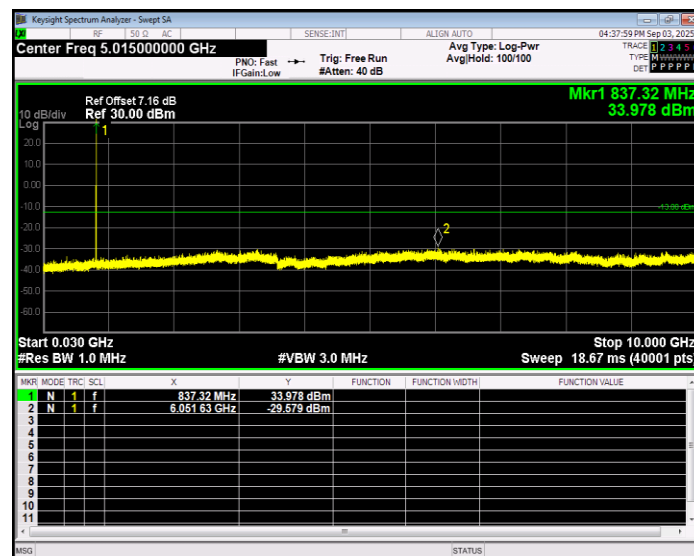
Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	7137.61	-29.79	-13	PASS
GPRS850	190	836.6	6051.63	-29.57	-13	PASS
GPRS850	251	848.8	6095.00	-29.77	-13	PASS
EGPRS850	128	824.2	5996.30	-29.92	-13	PASS
EGPRS850	190	836.6	6951.42	-29.93	-13	PASS
EGPRS850	251	848.8	855.52	-26.14	-13	PASS
GPRS1900	512	1850.2	16385.93	-22.70	-13	PASS
GPRS1900	661	1880	19938.59	-22.11	-13	PASS
GPRS1900	810	1909.8	19900.65	-22.85	-13	PASS
EGPRS1900	512	1850.2	19395.91	-22.88	-13	PASS
EGPRS1900	661	1880	19684.47	-22.29	-13	PASS
EGPRS1900	810	1909.8	19666.50	-22.59	-13	PASS

GPRS850 Channel=128



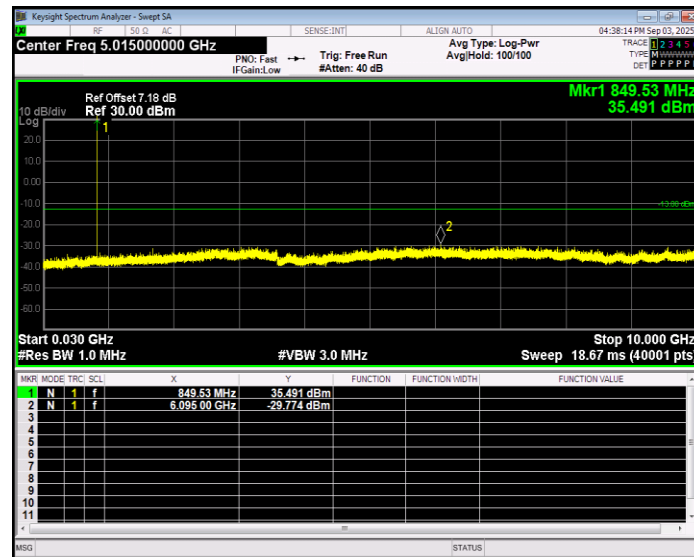
GPRS850 Channel=190



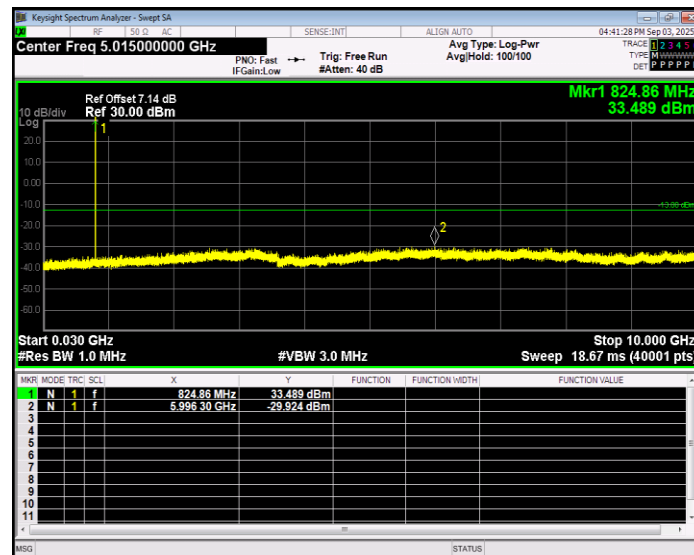


Report

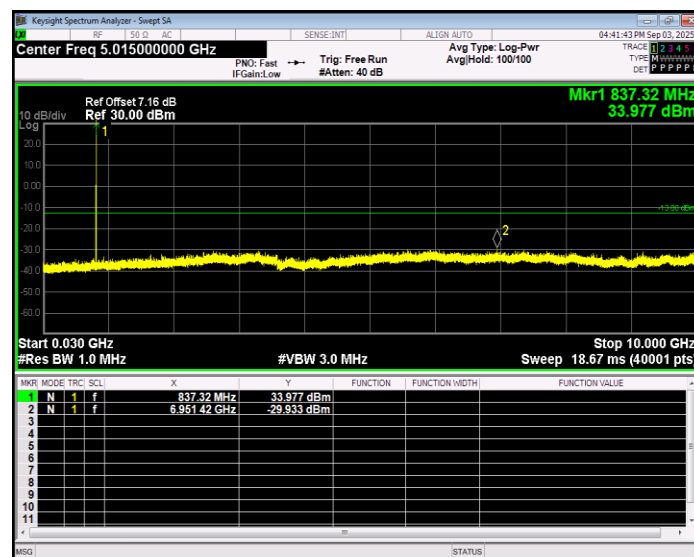
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EGPRS850 Channel=128



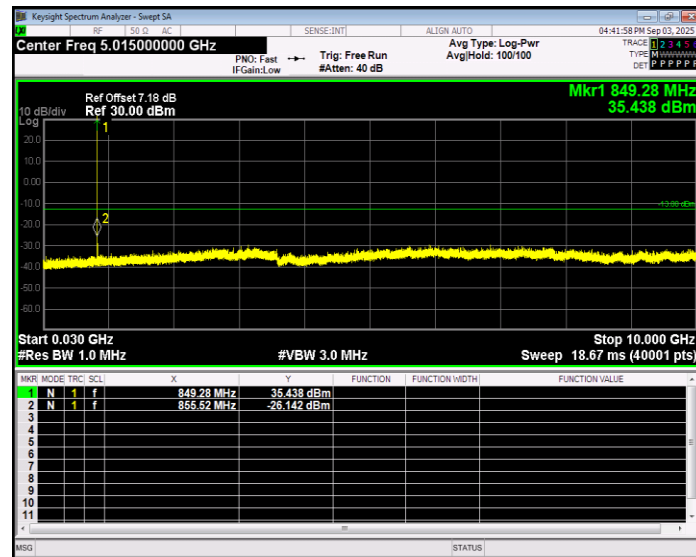
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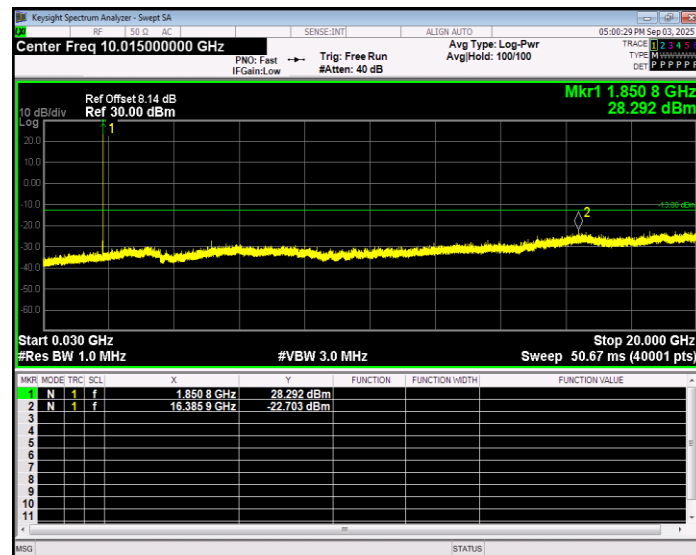


Report

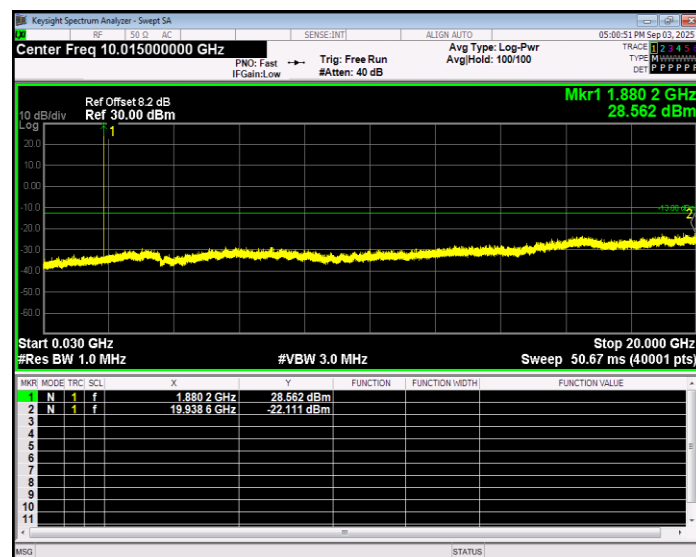
EGPRS850 Channel=251



GPRS1900 Channel=512



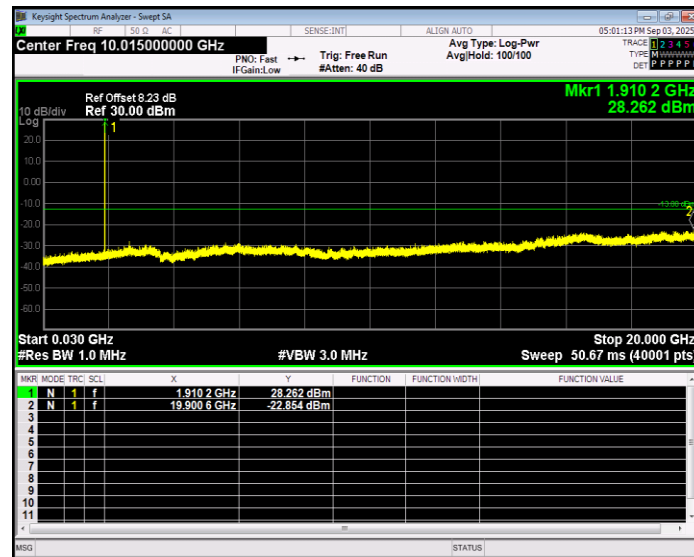
GPRS1900 Channel=661



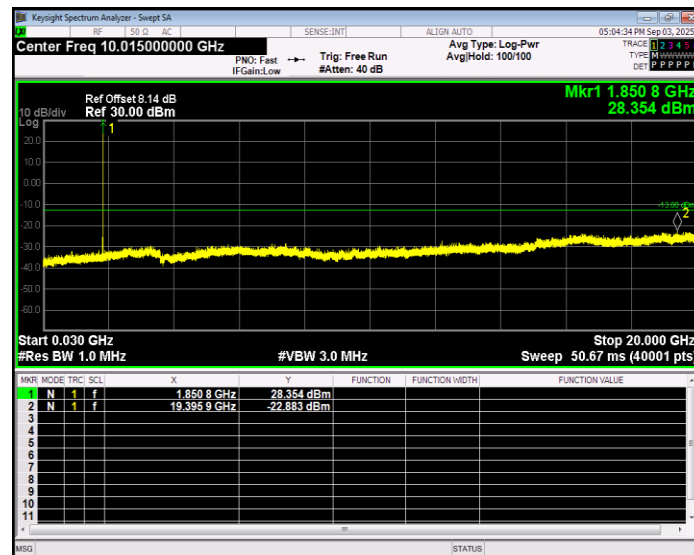


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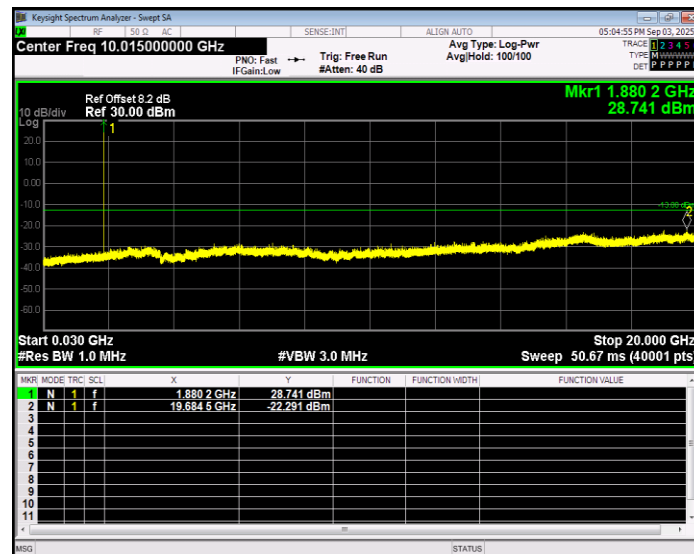
GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810

