



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	32.99	3.5	34.34	38.45	PASS
GPRS850 1 Slot	190	836.6	33.42	3.5	34.77	38.45	PASS
GPRS850 1 Slot	251	848.8	33.57	3.5	34.92	38.45	PASS
GPRS850 2 Slot	128	824.2	32.51	3.5	33.86	38.45	PASS
GPRS850 2 Slot	190	836.6	32.83	3.5	34.18	38.45	PASS
GPRS850 2 Slot	251	848.8	32.67	3.5	34.02	38.45	PASS
GPRS850 3 Slot	128	824.2	30.59	3.5	31.94	38.45	PASS
GPRS850 3 Slot	190	836.6	30.55	3.5	31.90	38.45	PASS
GPRS850 3 Slot	251	848.8	30.83	3.5	32.18	38.45	PASS
GPRS850 4 Slot	128	824.2	29.08	3.5	30.43	38.45	PASS
GPRS850 4 Slot	190	836.6	29.19	3.5	30.54	38.45	PASS
GPRS850 4 Slot	251	848.8	29.46	3.5	30.81	38.45	PASS
EGPRS850 1 Slot	128	824.2	27.65	3.5	29.00	38.45	PASS
EGPRS850 1 Slot	190	836.6	27.18	3.5	28.53	38.45	PASS
EGPRS850 1 Slot	251	848.8	27.94	3.5	29.29	38.45	PASS
EGPRS850 2 Slot	128	824.2	26.50	3.5	27.85	38.45	PASS
EGPRS850 2 Slot	190	836.6	26.88	3.5	28.23	38.45	PASS
EGPRS850 2 Slot	251	848.8	26.69	3.5	28.04	38.45	PASS
EGPRS850 3 Slot	128	824.2	24.11	3.5	25.46	38.45	PASS
EGPRS850 3 Slot	190	836.6	24.48	3.5	25.83	38.45	PASS
EGPRS850 3 Slot	251	848.8	24.62	3.5	25.97	38.45	PASS
EGPRS850 4 Slot	128	824.2	23.03	3.5	24.38	38.45	PASS
EGPRS850 4 Slot	190	836.6	23.40	3.5	24.75	38.45	PASS
EGPRS850 4 Slot	251	848.8	23.03	3.5	24.38	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	26.23	3.5	29.73	33.01	PASS
GPRS1900 1 Slot	661	1880	26.74	3.5	30.24	33.01	PASS
GPRS1900 1 Slot	810	1909.8	26.51	3.5	30.01	33.01	PASS
GPRS1900 2 Slot	512	1850.2	25.92	3.5	29.42	33.01	PASS
GPRS1900 2 Slot	661	1880	26.45	3.5	29.95	33.01	PASS
GPRS1900 2 Slot	810	1909.8	25.95	3.5	29.45	33.01	PASS
GPRS1900 3 Slot	512	1850.2	24.35	3.5	27.85	33.01	PASS
GPRS1900 3 Slot	661	1880	24.39	3.5	27.89	33.01	PASS
GPRS1900 3 Slot	810	1909.8	24.75	3.5	28.25	33.01	PASS
GPRS1900 4 Slot	512	1850.2	23.34	3.5	26.84	33.01	PASS
GPRS1900 4 Slot	661	1880	23.38	3.5	26.88	33.01	PASS
GPRS1900 4 Slot	810	1909.8	23.48	3.5	26.98	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	26.14	3.5	29.64	33.01	PASS
EGPRS1900 1 Slot	661	1880	26.26	3.5	29.76	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	26.48	3.5	29.98	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	26.40	3.5	29.90	33.01	PASS
EGPRS1900 2 Slot	661	1880	26.35	3.5	29.85	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	26.40	3.5	29.90	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	24.70	3.5	28.20	33.01	PASS
EGPRS1900 3 Slot	661	1880	24.88	3.5	28.38	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	24.49	3.5	27.99	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	23.39	3.5	26.89	33.01	PASS
EGPRS1900 4 Slot	661	1880	23.50	3.5	27.00	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	23.06	3.5	26.56	33.01	PASS



Report

Frequency stability

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-5.91	-0.007	2.5ppm	PASS
40		-5.95	-0.007		
30		-6.29	-0.008		
20		10.40	0.012		
10		6.17	0.007		
0		-5.88	-0.007		
-10		6.04	0.007		
-20		-6.20	-0.007		
-30		-5.99	-0.007		
20	Maximum Voltage	5.95	0.007	2.5ppm	PASS
20	BEP	-5.86	-0.007		

EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-6.42	-0.008	2.5ppm	PASS
40		6.84	0.008		
30		-6.37	-0.008		
20		11.53	0.014		
10		6.41	0.008		
0		-6.59	-0.008		
-10		6.35	0.008		
-20		6.87	0.008		
-30		-6.51	-0.008		
20	Maximum Voltage	-6.84	-0.008	2.5ppm	PASS
20	BEP	-6.73	-0.008		



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GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-0.53	0.000	Within Authorized Band	PASS
40		-0.16	0.000		
30		0.43	0.000		
20		-1.19	-0.001		
10		0.10	0.000		
0		0.08	0.000		
-10		-0.09	0.000		
-20		0.43	0.000		
-30		-0.17	0.000		
20	Maximum Voltage	-0.46	0.000		
20	BEP	-0.23	0.000		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	5.45	0.003	Within Authorized Band	PASS
40		5.68	0.003		
30		5.87	0.003		
20		9.49	0.005		
10		5.83	0.003		
0		5.45	0.003		
-10		5.44	0.003		
-20		-5.67	-0.003		
-30		5.64	0.003		
20	Maximum Voltage	-5.35	-0.003		
20	BEP	5.51	0.003		

SS

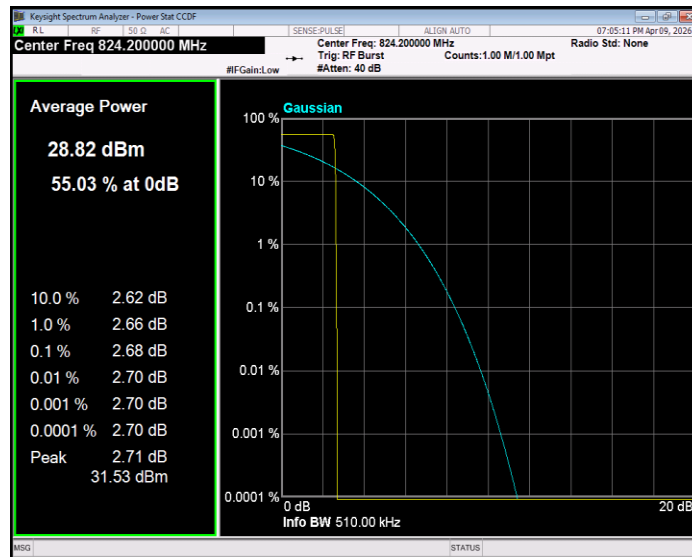


Report

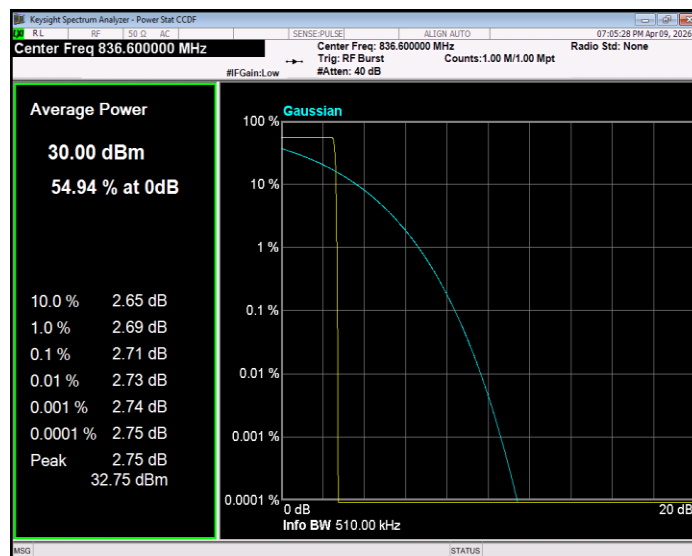
Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS850	128	824.2	2.68	13	PASS
GPRS850	190	836.6	2.71	13	PASS
GPRS850	251	848.8	2.68	13	PASS
EGPRS850	128	824.2	7.21	13	PASS
EGPRS850	190	836.6	8.51	13	PASS
EGPRS850	251	848.8	7.74	13	PASS
GPRS1900	512	1850.2	2.79	13	PASS
GPRS1900	661	1880	2.76	13	PASS
GPRS1900	810	1909.8	2.76	13	PASS
EGPRS1900	512	1850.2	7.09	13	PASS
EGPRS1900	661	1880	6.70	13	PASS
EGPRS1900	810	1909.8	6.64	13	PASS

GPRS850 Channel=128



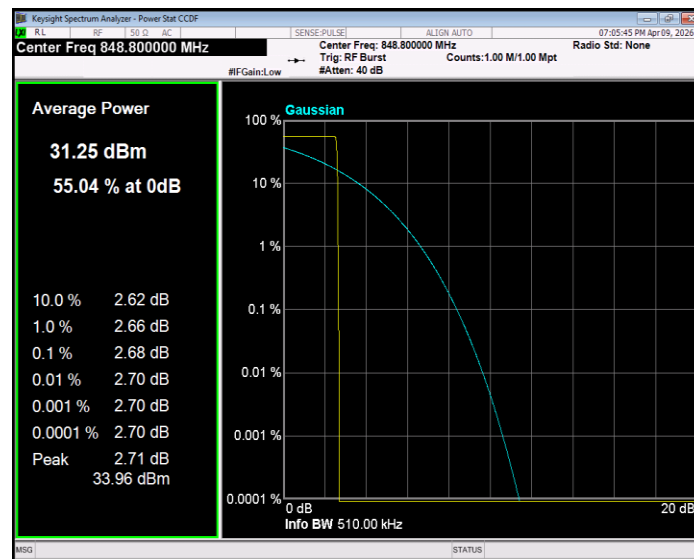
GPRS850 Channel=190



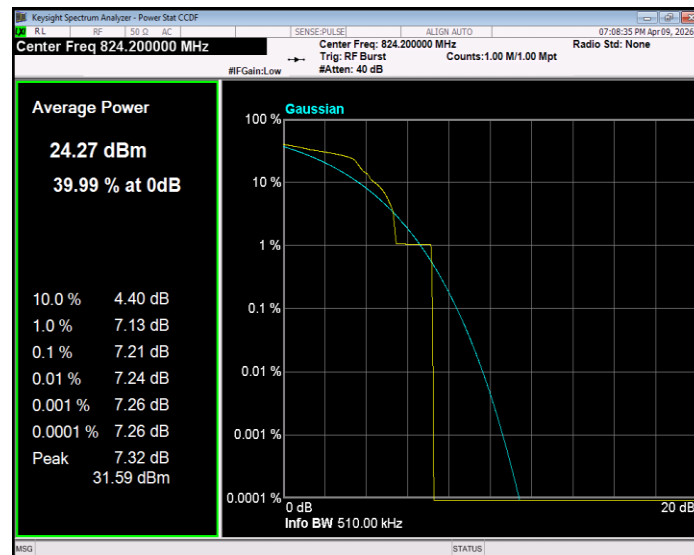


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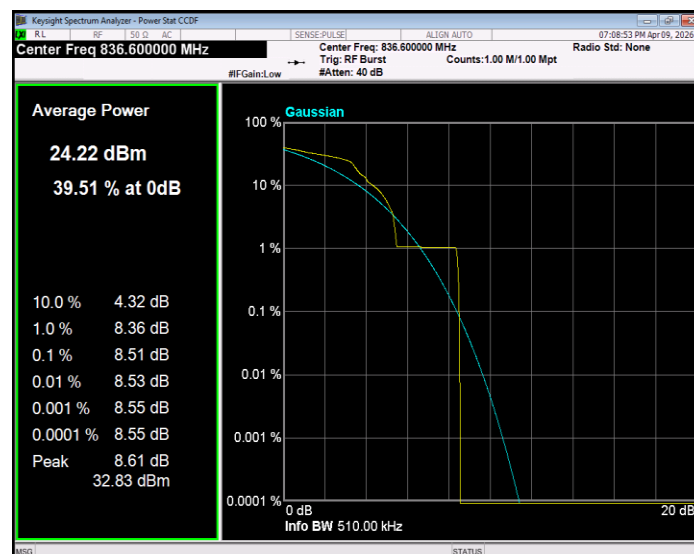
GPRS850 Channel=251



EGPRS850 Channel=128



EGPRS850 Channel=190



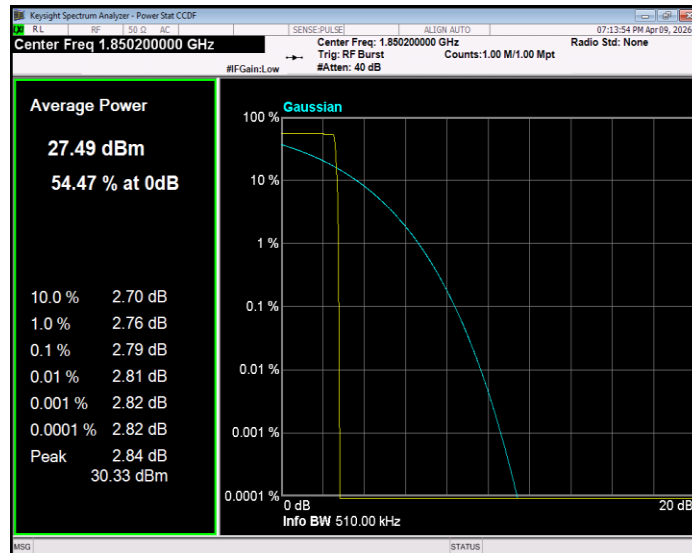


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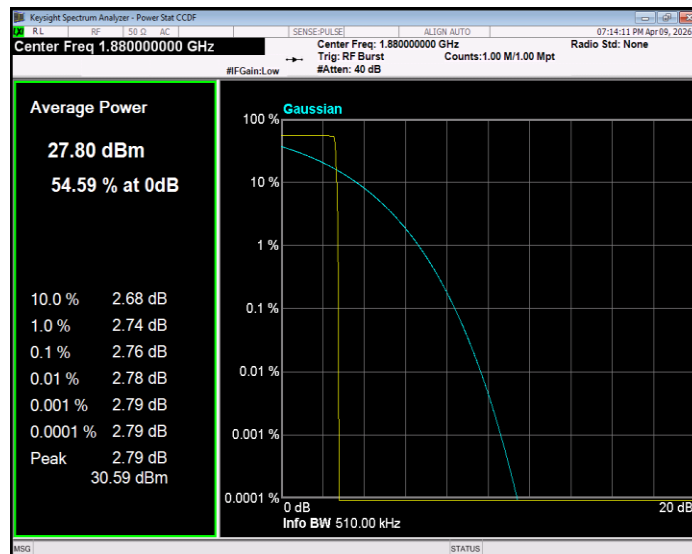
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GPRS1900 Channel=512



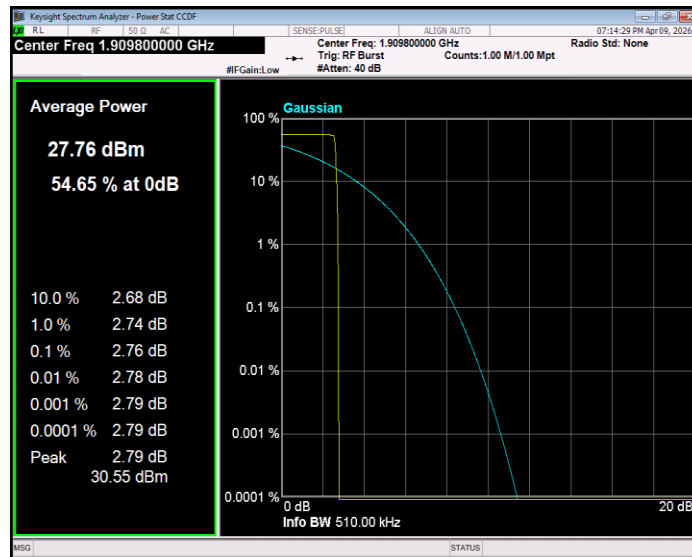
GPRS1900 Channel=661



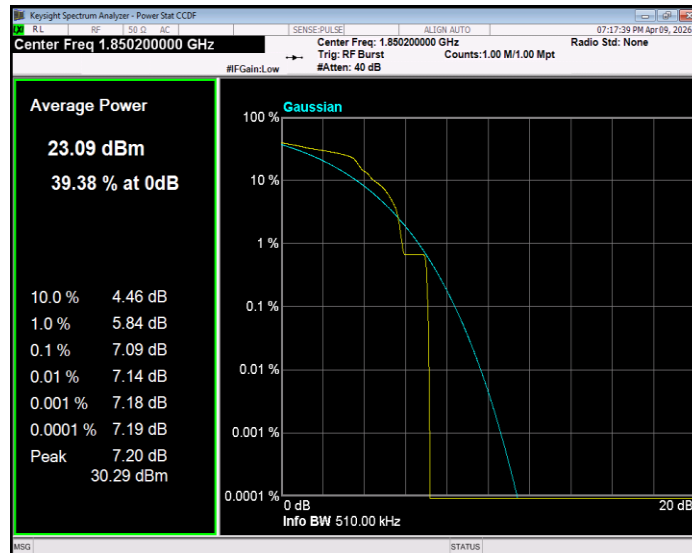


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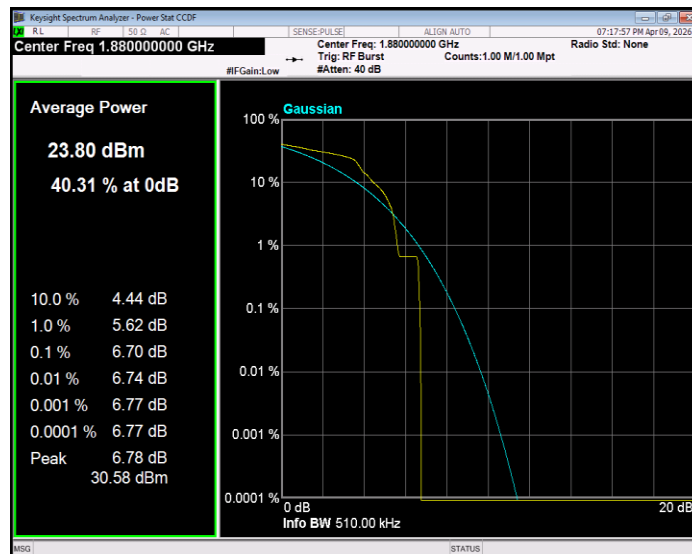
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EGPRS1900 Channel=512



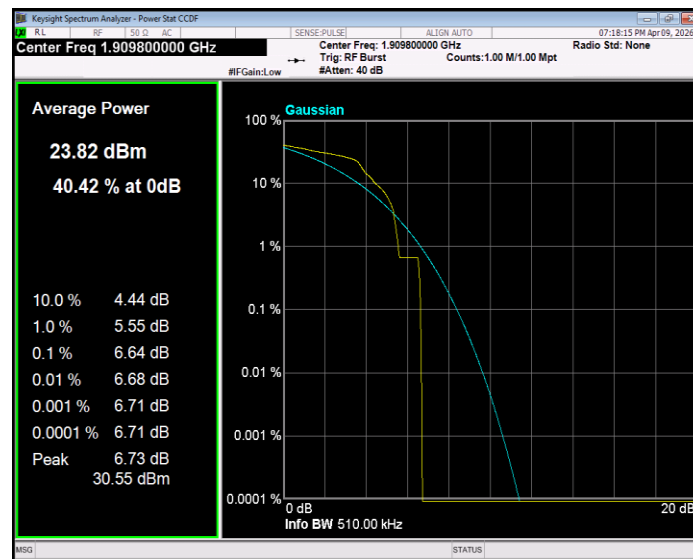
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Report

EGPRS1900 Channel=810



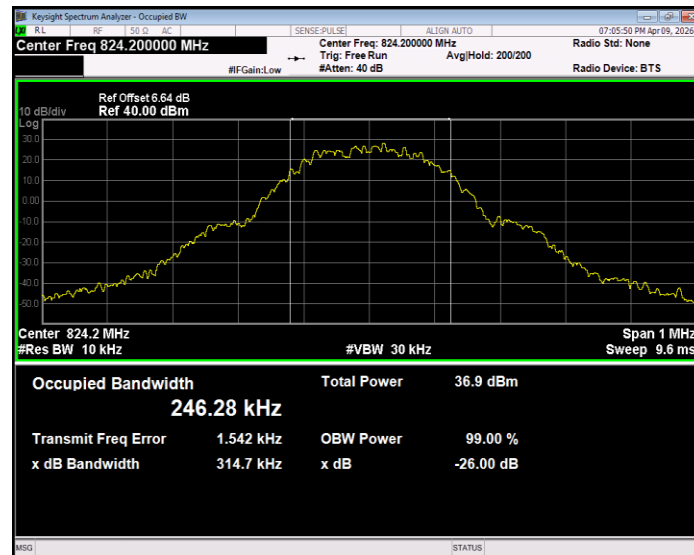


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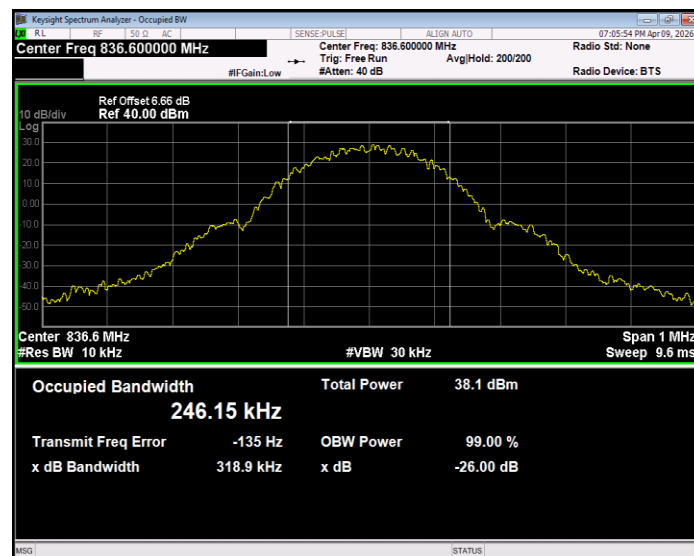
Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS850	128	824.2	246.278	314.716	PASS
GPRS850	190	836.6	246.153	318.886	PASS
GPRS850	251	848.8	244.920	325.345	PASS
EGPRS850	128	824.2	229.054	308.106	PASS
EGPRS850	190	836.6	233.115	289.943	PASS
EGPRS850	251	848.8	243.657	305.447	PASS
GPRS1900	512	1850.2	248.752	323.717	PASS
GPRS1900	661	1880	245.880	316.756	PASS
GPRS1900	810	1909.8	253.192	319.248	PASS
EGPRS1900	512	1850.2	243.155	300.641	PASS
EGPRS1900	661	1880	243.790	309.030	PASS
EGPRS1900	810	1909.8	244.663	304.661	PASS

GPRS850 Channel=128



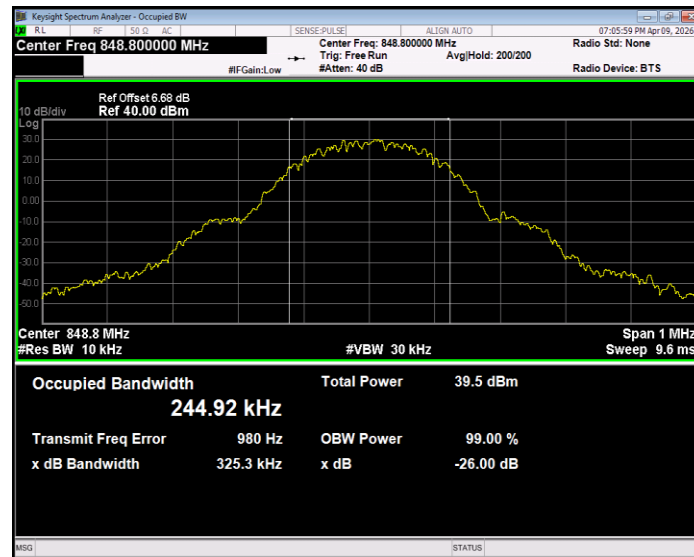
GPRS850 Channel=190



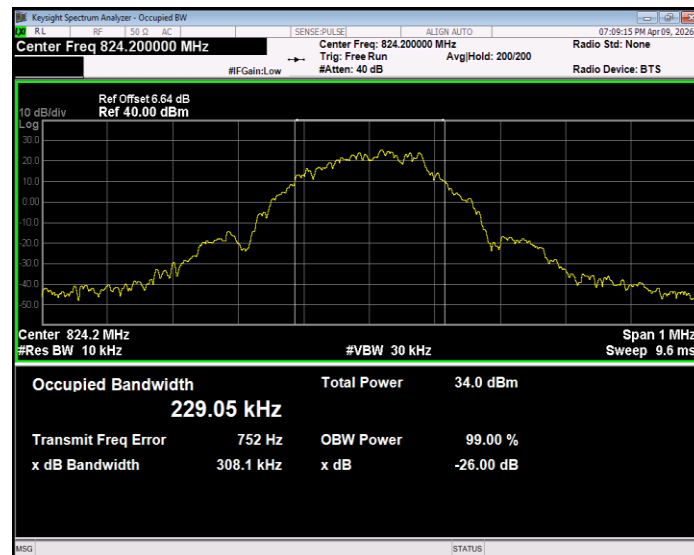


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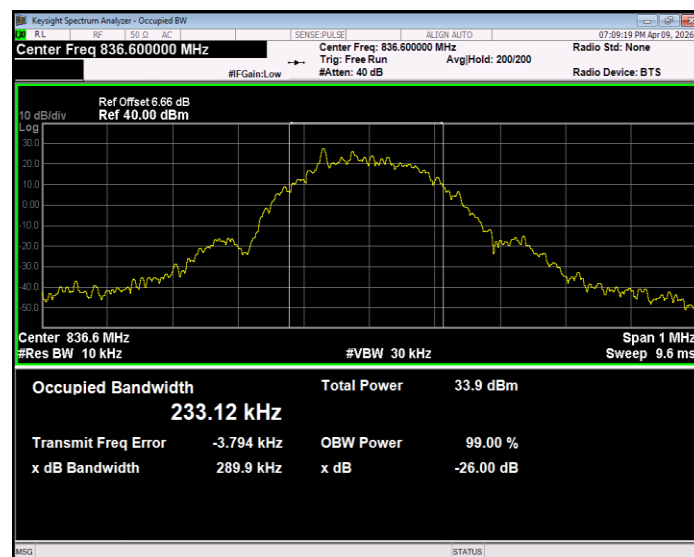
GPRS850 Channel=251



EGPRS850 Channel=128



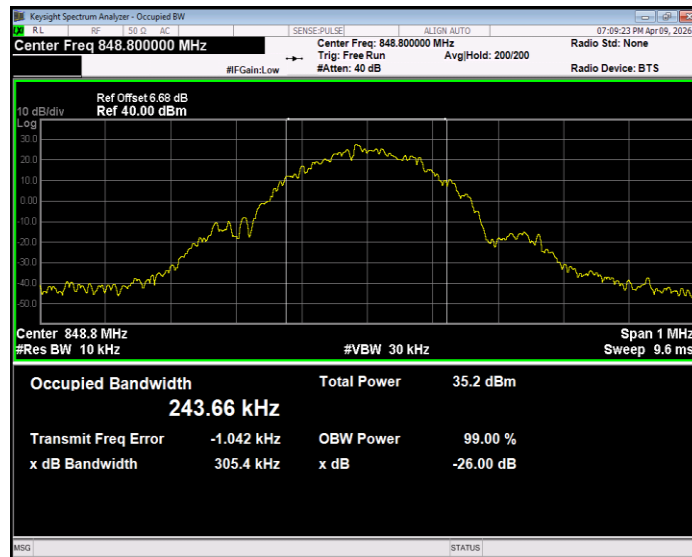
EGPRS850 Channel=190



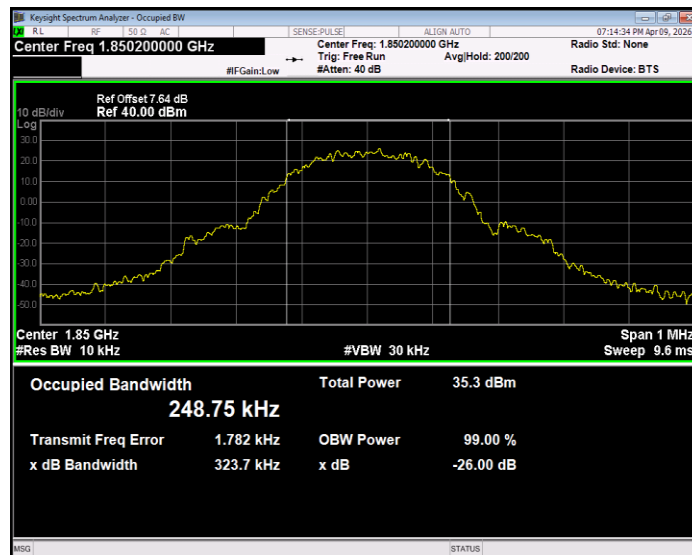


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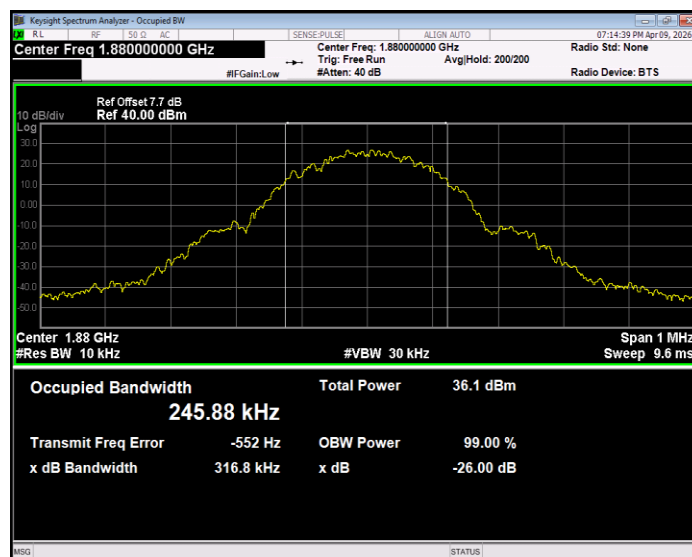
EGPRS850 Channel=251



GPRS1900 Channel=512



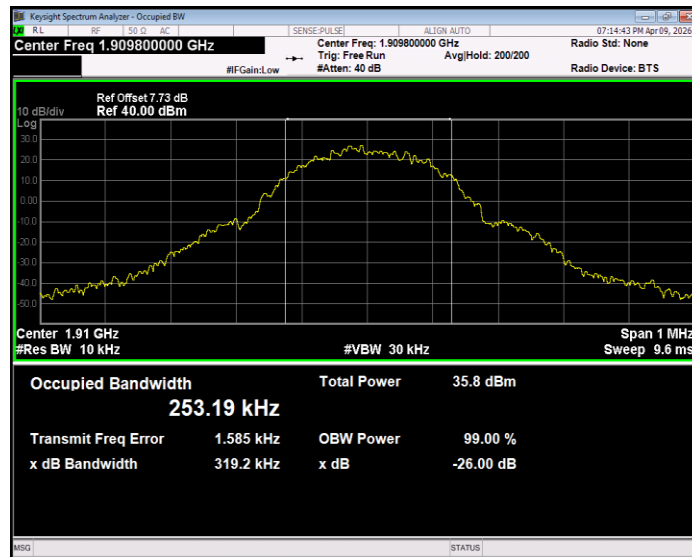
GPRS1900 Channel=661



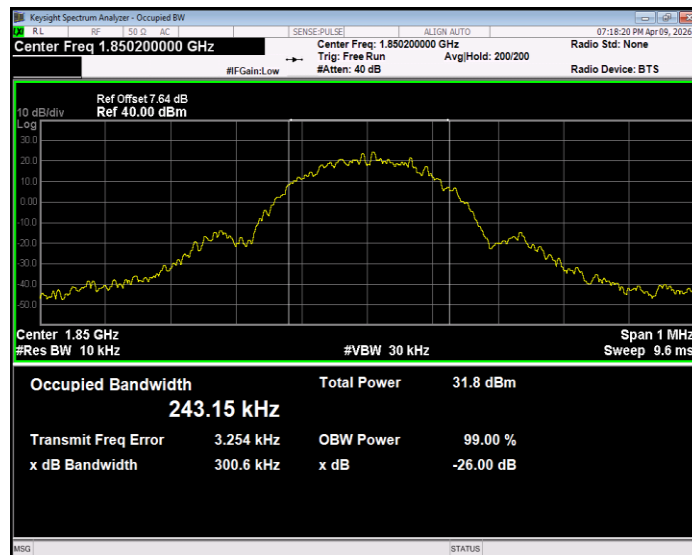


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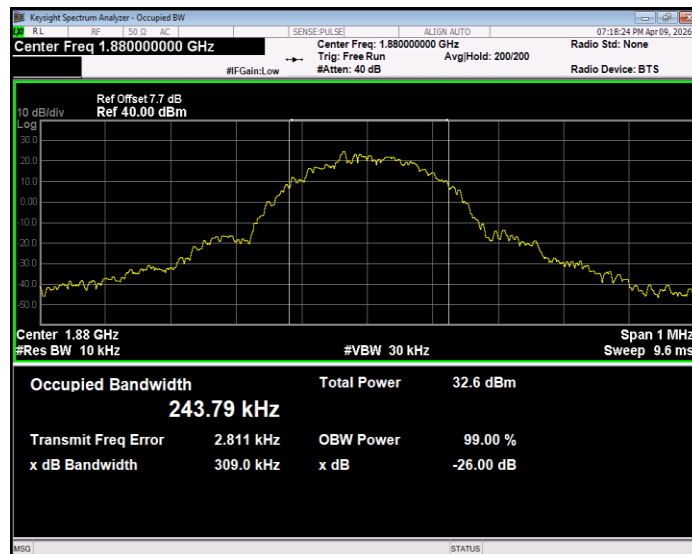
GPRS1900 Channel=810



EGPRS1900 Channel=512



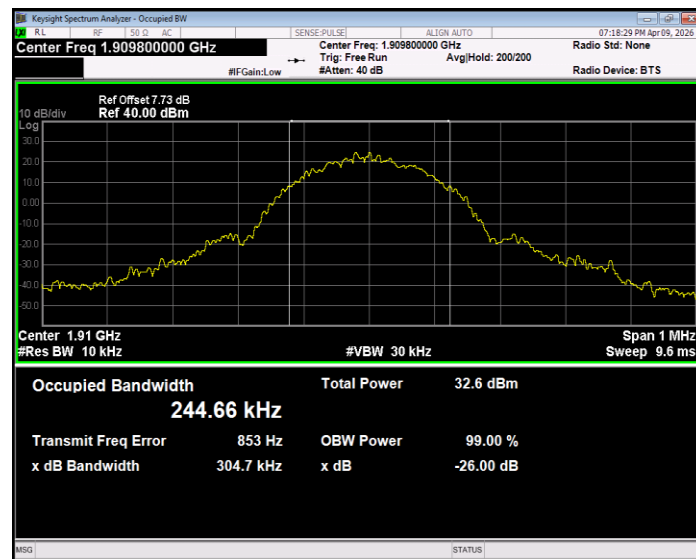
EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810



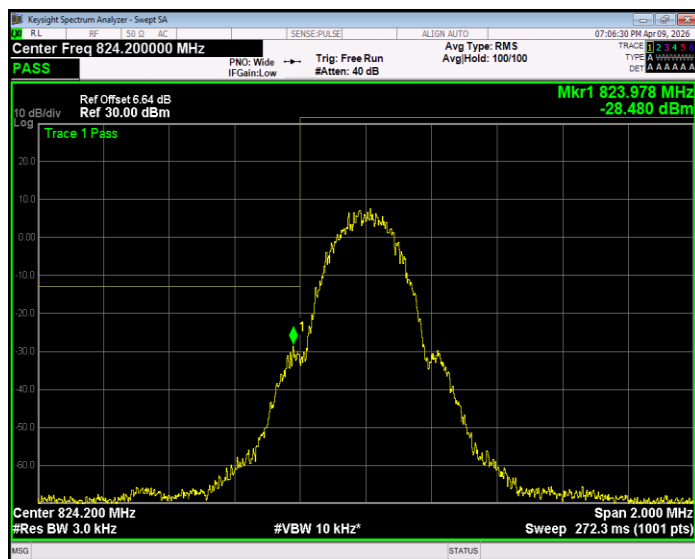


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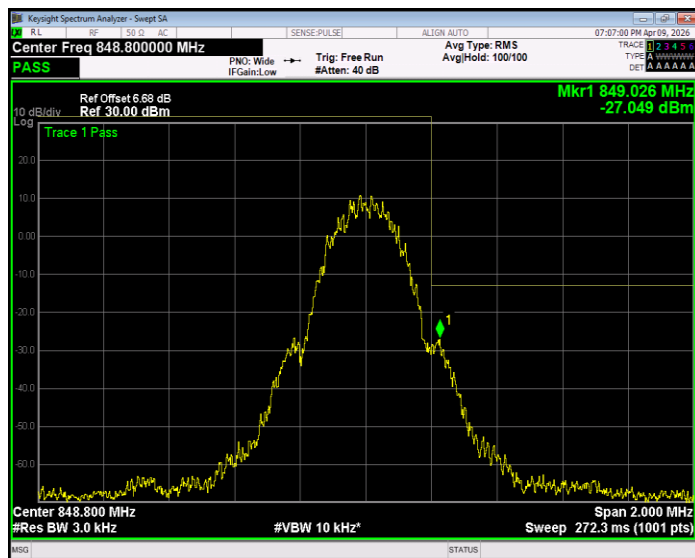
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	823.98	-28.47	-13	PASS
GPRS850	251	848.8	849.03	-27.04	-13	PASS
EGPRS850	128	824.2	823.98	-32.62	-13	PASS
EGPRS850	251	848.8	849.02	-34.49	-13	PASS
GPRS1900	512	1850.2	1849.98	-28.84	-13	PASS
GPRS1900	810	1909.8	1910.02	-31.30	-13	PASS
EGPRS1900	512	1850.2	1849.97	-34.29	-13	PASS
EGPRS1900	810	1909.8	1910.02	-36.00	-13	PASS

GPRS850 Channel=128



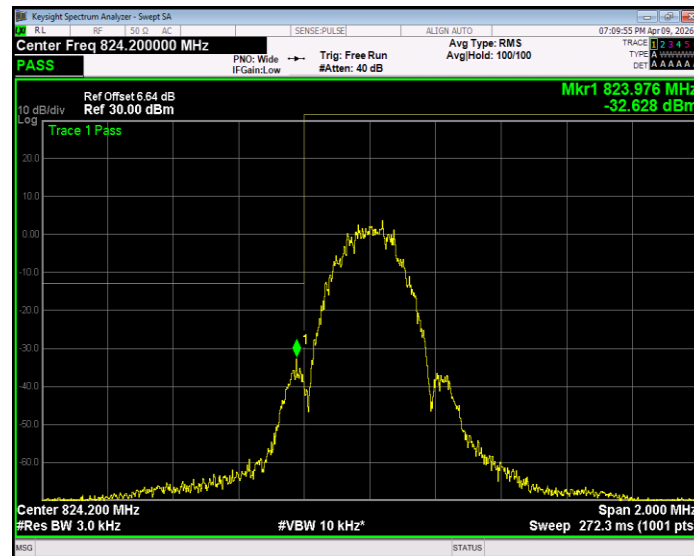
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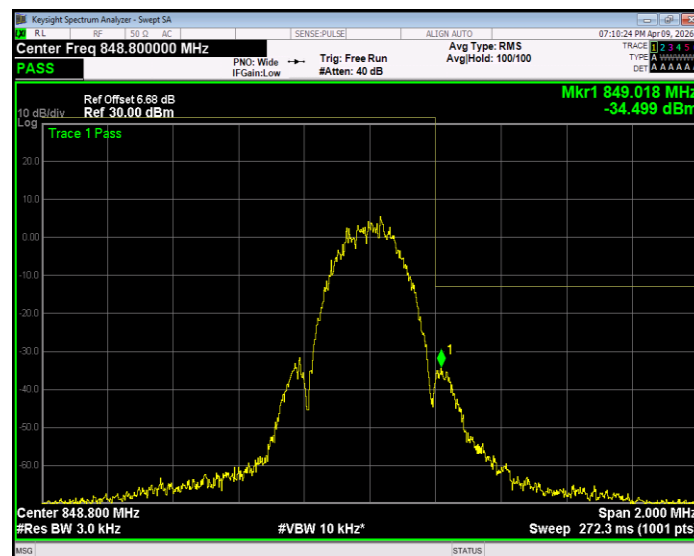
EGPRS850 Channel=128



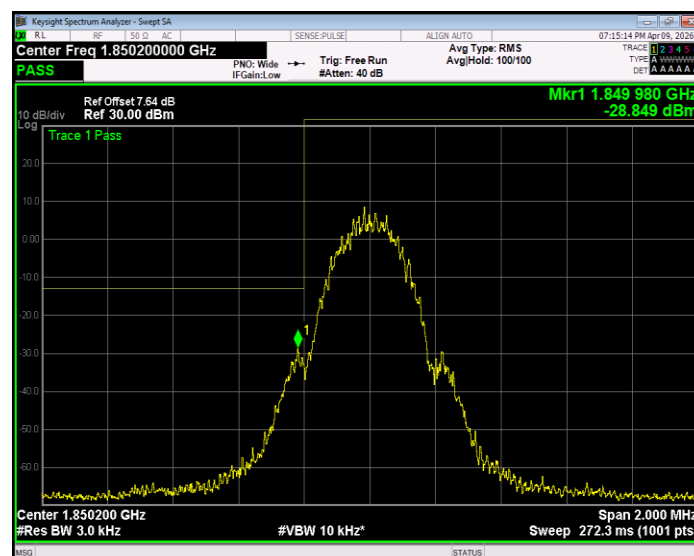
Report



EGPRS850 Channel=251



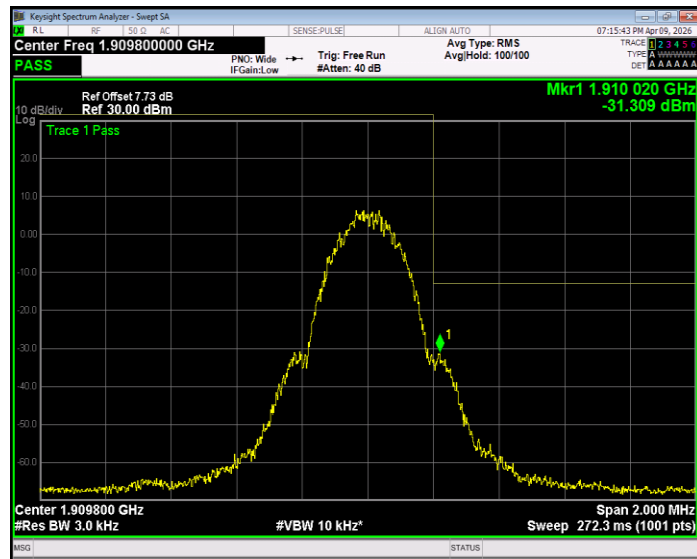
GPRS1900 Channel=512



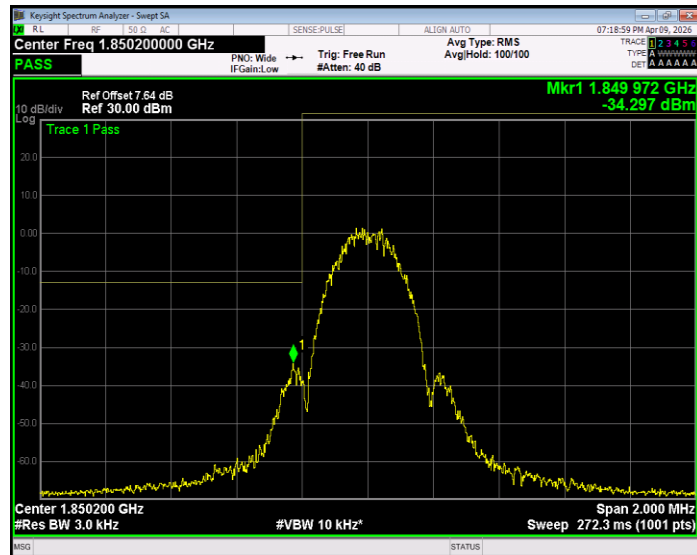


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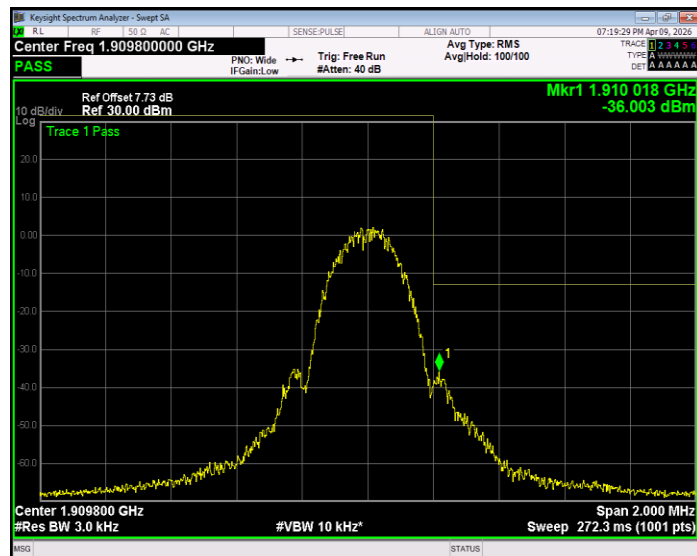
GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=810



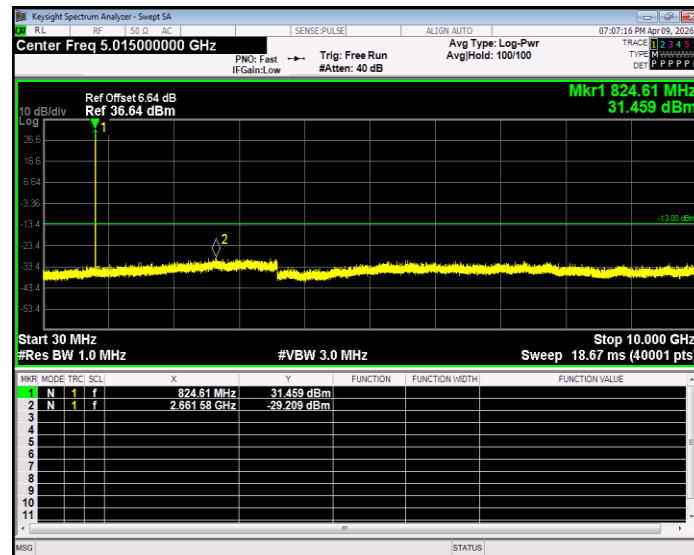


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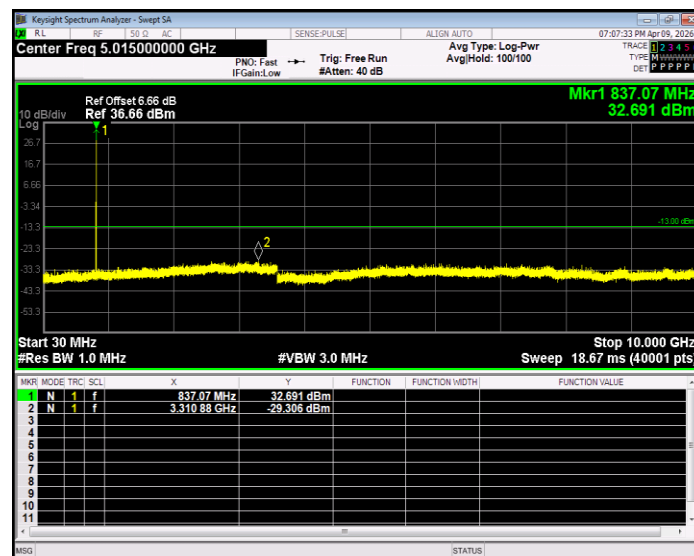
Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	2661.58	-29.20	-13	PASS
GPRS850	190	836.6	3310.88	-29.30	-13	PASS
GPRS850	251	848.8	3208.44	-29.03	-13	PASS
EGPRS850	128	824.2	3274.24	-28.58	-13	PASS
EGPRS850	190	836.6	3335.06	-29.23	-13	PASS
EGPRS850	251	848.8	2836.80	-28.93	-13	PASS
GPRS1900	512	1850.2	19840.74	-24.29	-13	PASS
GPRS1900	661	1880	18973.54	-23.87	-13	PASS
GPRS1900	810	1909.8	19860.21	-23.26	-13	PASS
EGPRS1900	512	1850.2	19007.49	-23.73	-13	PASS
EGPRS1900	661	1880	19990.51	-23.93	-13	PASS
EGPRS1900	810	1909.8	19678.98	-22.57	-13	PASS

GPRS850 Channel=128



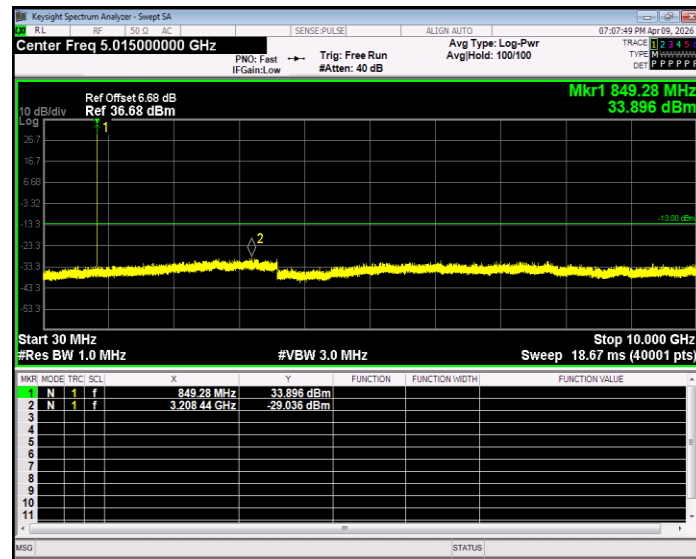
GPRS850 Channel=190



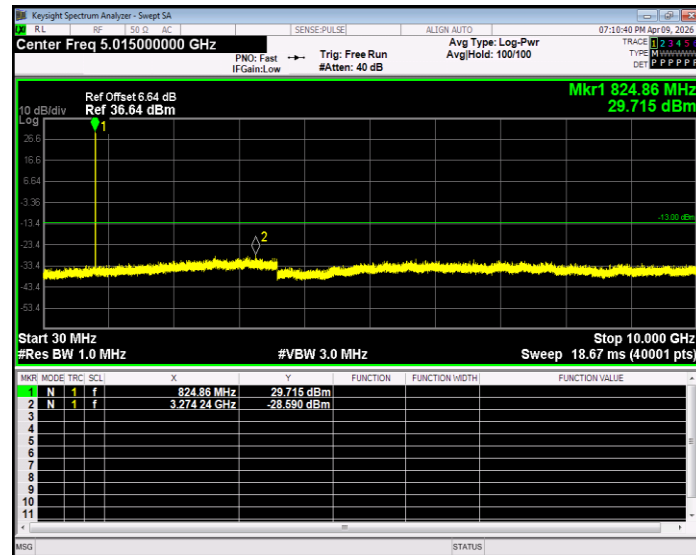


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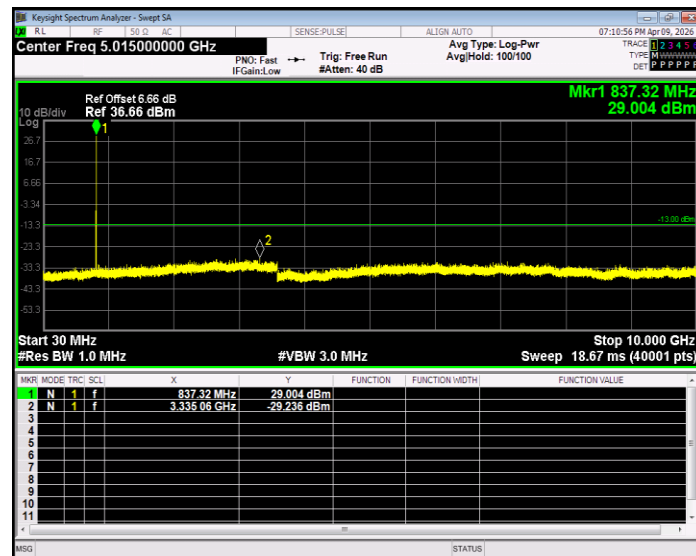
GPRS850 Channel=251



EGPRS850 Channel=128



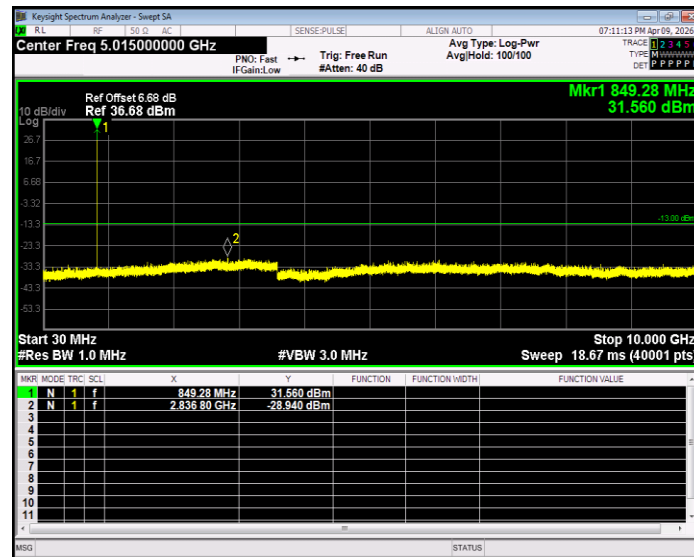
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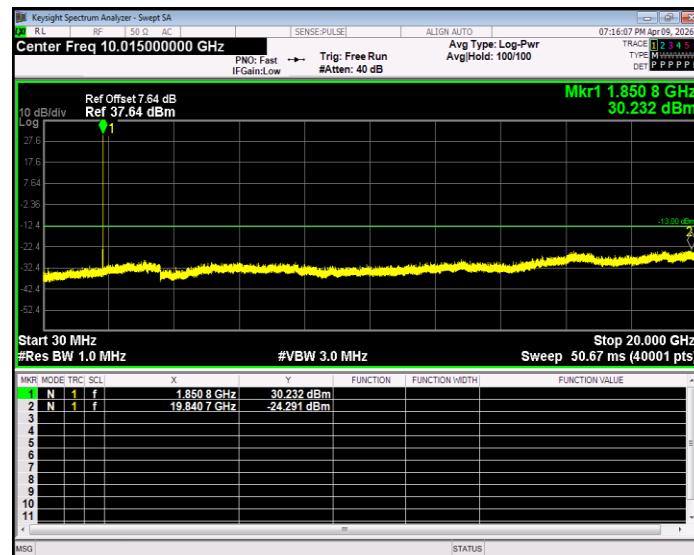


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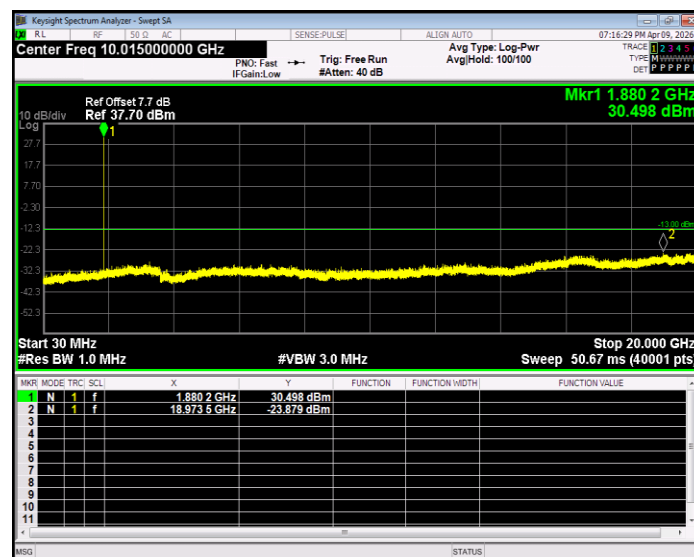
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GPRS1900 Channel=512



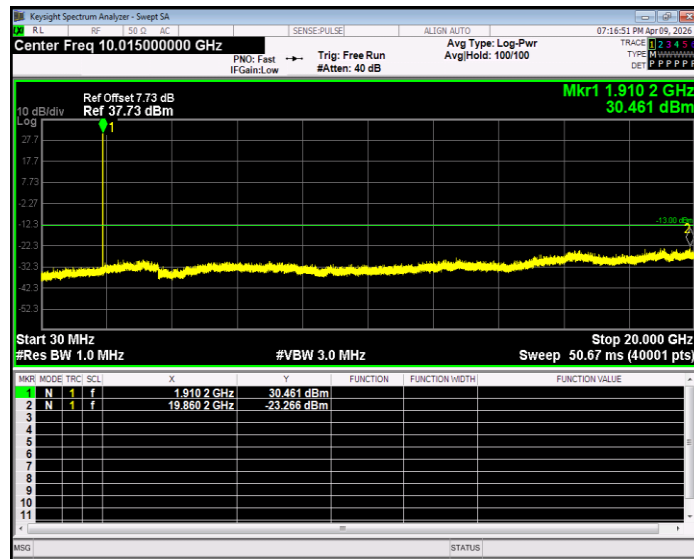
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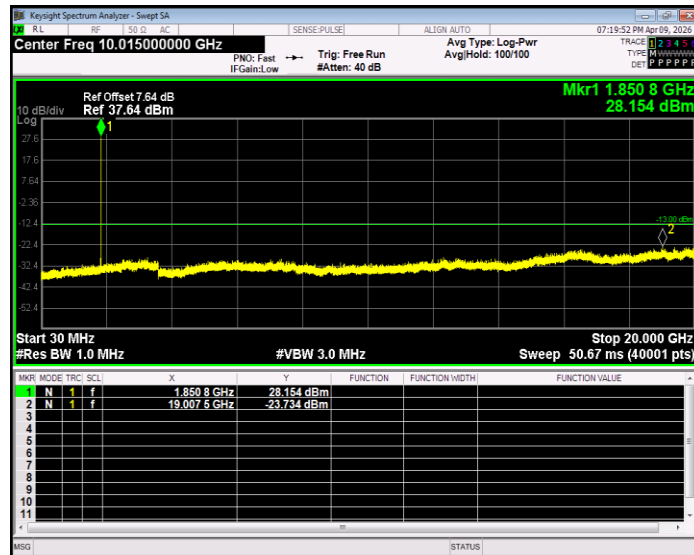


Report

GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810

