



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	32.87	3.7	34.42	38.45	PASS
GPRS850 1 Slot	190	836.6	33.48	3.7	35.03	38.45	PASS
GPRS850 1 Slot	251	848.8	33.32	3.7	34.87	38.45	PASS
GPRS850 2 Slot	128	824.2	32.12	3.7	33.67	38.45	PASS
GPRS850 2 Slot	190	836.6	32.75	3.7	34.30	38.45	PASS
GPRS850 2 Slot	251	848.8	32.59	3.7	34.14	38.45	PASS
GPRS850 3 Slot	128	824.2	30.43	3.7	31.98	38.45	PASS
GPRS850 3 Slot	190	836.6	31.03	3.7	32.58	38.45	PASS
GPRS850 3 Slot	251	848.8	30.92	3.7	32.47	38.45	PASS
GPRS850 4 Slot	128	824.2	29.39	3.7	30.94	38.45	PASS
GPRS850 4 Slot	190	836.6	29.96	3.7	31.51	38.45	PASS
GPRS850 4 Slot	251	848.8	29.83	3.7	31.38	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	30.11	1.1	31.21	33.01	PASS
GPRS1900 1 Slot	661	1880	29.66	1.1	30.76	33.01	PASS
GPRS1900 1 Slot	810	1909.8	29.14	1.1	30.24	33.01	PASS
GPRS1900 2 Slot	512	1850.2	29.14	1.1	30.24	33.01	PASS
GPRS1900 2 Slot	661	1880	28.64	1.1	29.74	33.01	PASS
GPRS1900 2 Slot	810	1909.8	28.14	1.1	29.24	33.01	PASS
GPRS1900 3 Slot	512	1850.2	27.33	1.1	28.43	33.01	PASS
GPRS1900 3 Slot	661	1880	26.82	1.1	27.92	33.01	PASS
GPRS1900 3 Slot	810	1909.8	26.33	1.1	27.43	33.01	PASS
GPRS1900 4 Slot	512	1850.2	26.54	1.1	27.64	33.01	PASS
GPRS1900 4 Slot	661	1880	26.03	1.1	27.13	33.01	PASS
GPRS1900 4 Slot	810	1909.8	25.52	1.1	26.62	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	-9.49	-0.011	2.5ppm	PASS
40		9.44	0.011		
30		-9.00	-0.011		
20		-20.05	-0.024		
10		-9.23	-0.011		
0		9.33	0.011		
-10		9.06	0.011		
-20		9.24	0.011		
-30		-9.38	-0.011		
20	Maximum Voltage	9.24	0.011	2.5ppm	PASS
20	BEP	-9.41	-0.011		

GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-14.45	-0.008	Within Authorized Band	PASS
40		-14.47	-0.008		
30		-14.06	-0.007		
20		-30.22	-0.016		
10		-14.53	-0.008		
0		-14.35	-0.008		
-10		14.38	0.008		
-20		-14.12	-0.008		
-30		14.28	0.008		
20	Maximum Voltage	14.29	0.008	Within Authorized Band	PASS
20	BEP	-14.31	-0.008		

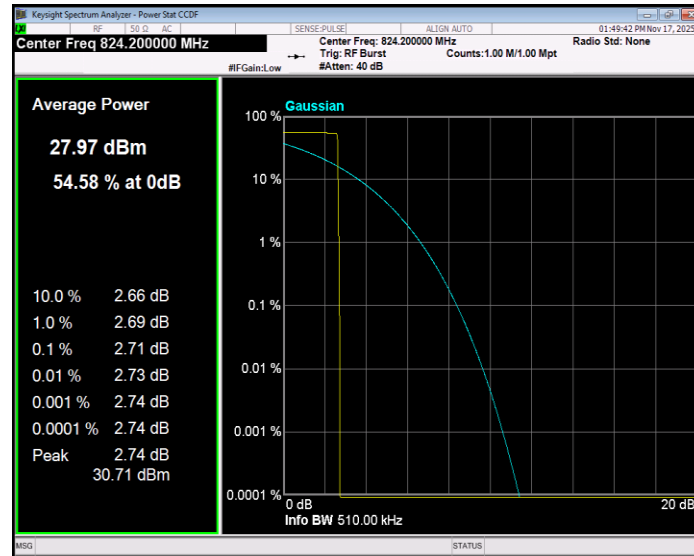


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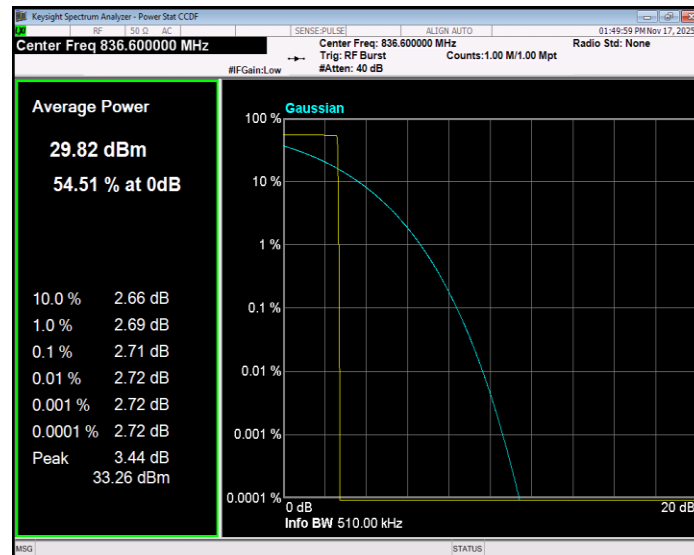
Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS850	128	824.2	2.71	13	PASS
GPRS850	190	836.6	2.71	13	PASS
GPRS850	251	848.8	2.71	13	PASS
GPRS1900	512	1850.2	2.71	13	PASS
GPRS1900	661	1880	2.71	13	PASS
GPRS1900	810	1909.8	2.71	13	PASS

GPRS850 Channel=128



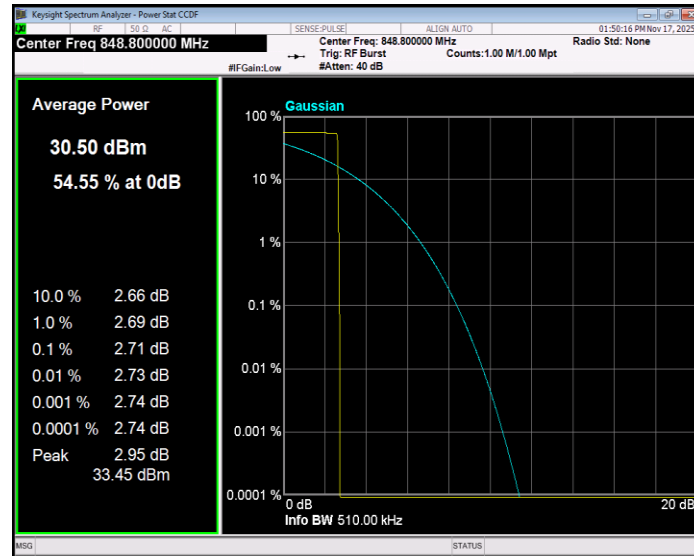
GPRS850 Channel=190



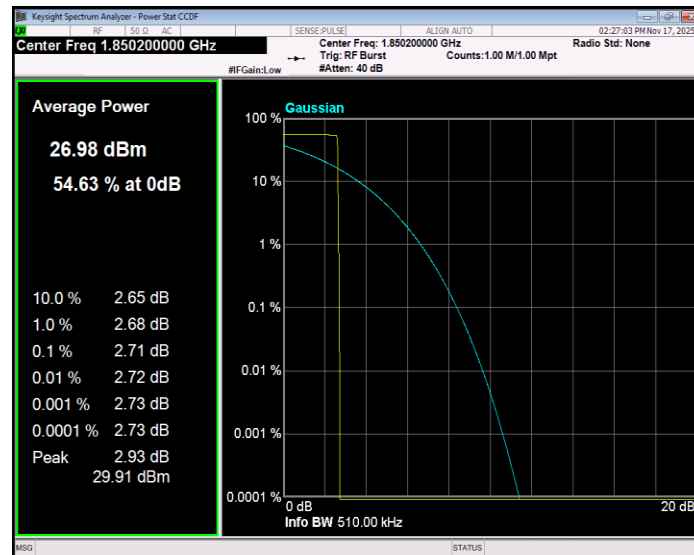
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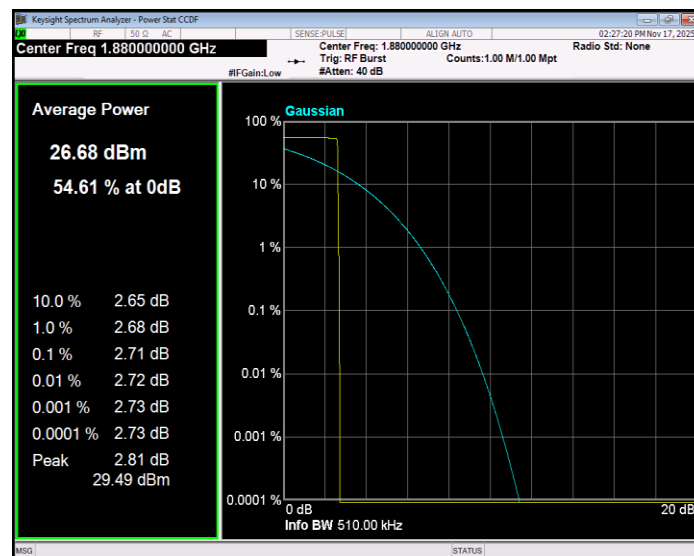
Report



GPRS1900 Channel=512



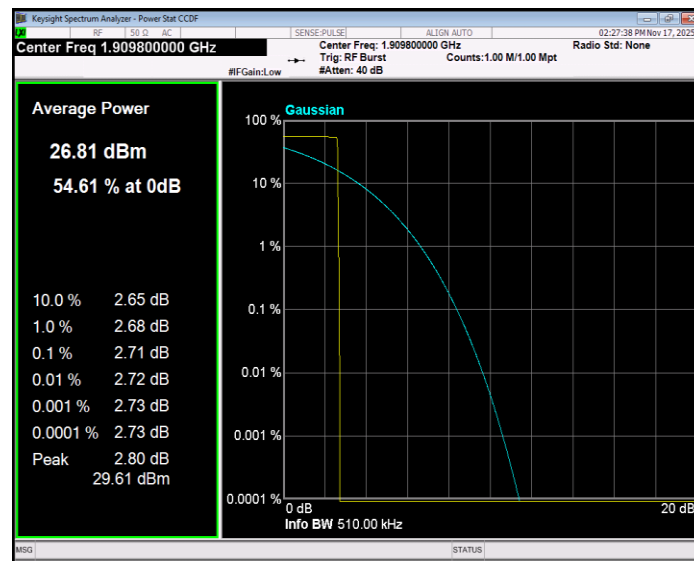
GPRS1900 Channel=661





Report

GPRS1900 Channel=810



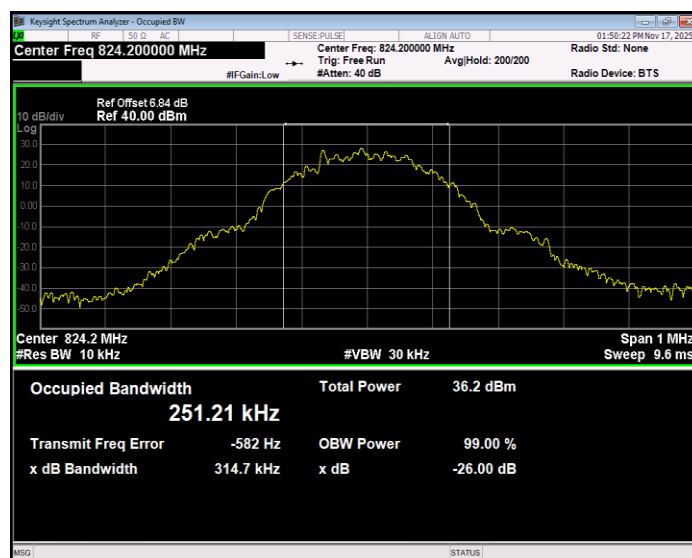


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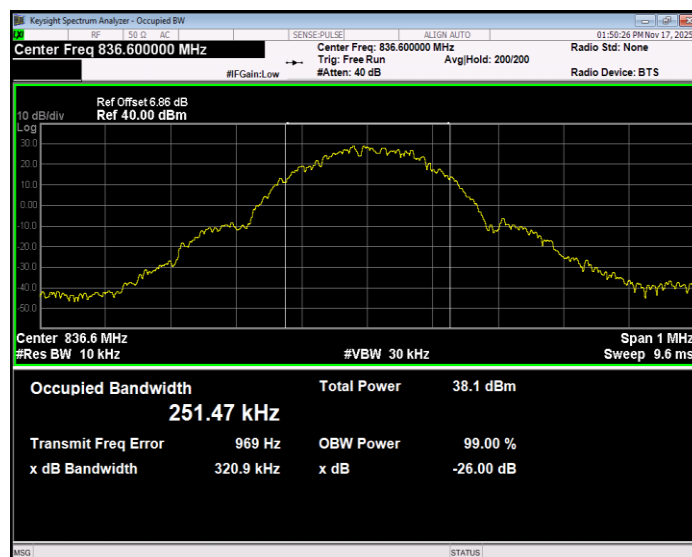
Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS850	128	824.2	251.214	314.662	PASS
GPRS850	190	836.6	251.473	320.936	PASS
GPRS850	251	848.8	245.494	315.757	PASS
GPRS1900	512	1850.2	243.165	317.563	PASS
GPRS1900	661	1880	243.824	306.670	PASS
GPRS1900	810	1909.8	245.986	313.878	PASS

GPRS850 Channel=128



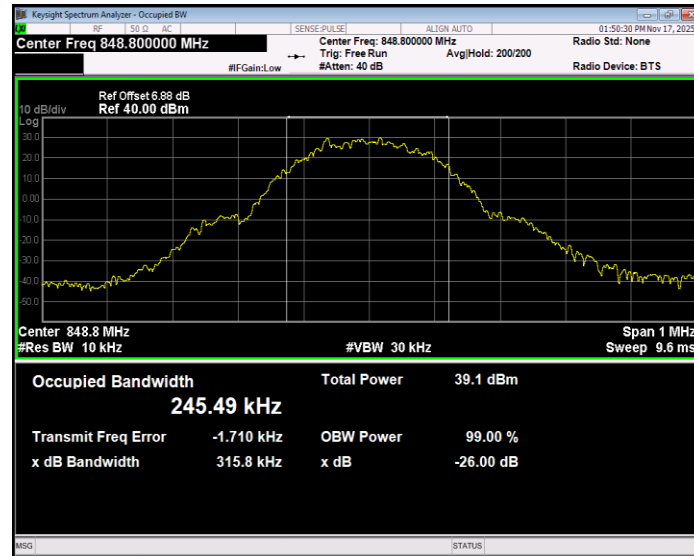
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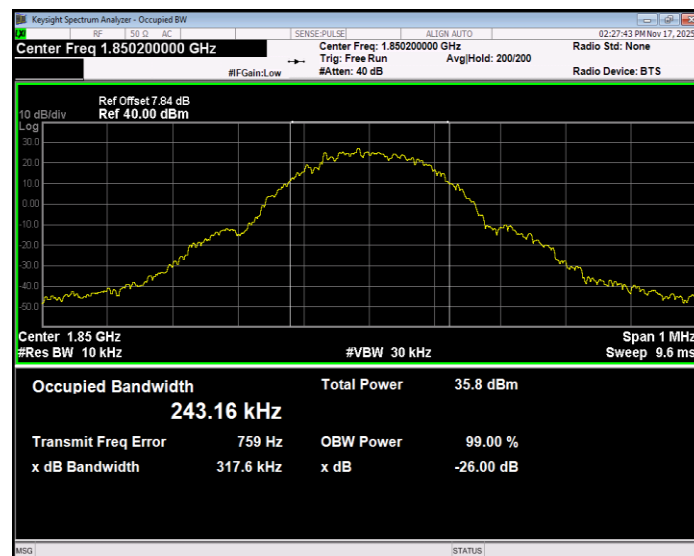
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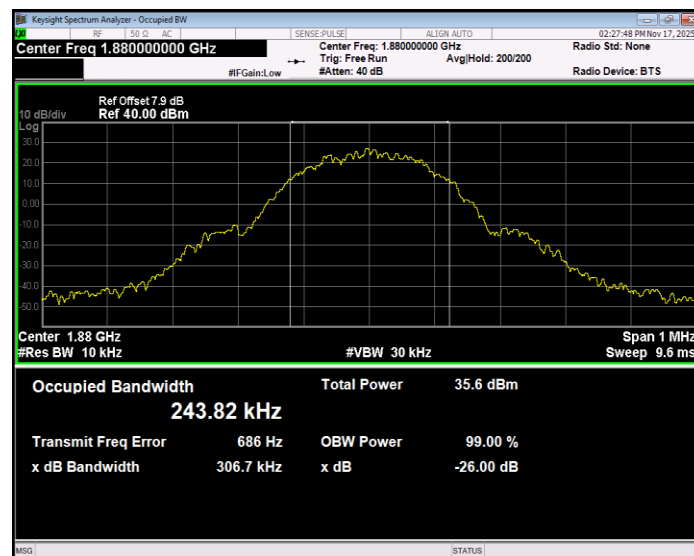
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GPRS1900 Channel=512



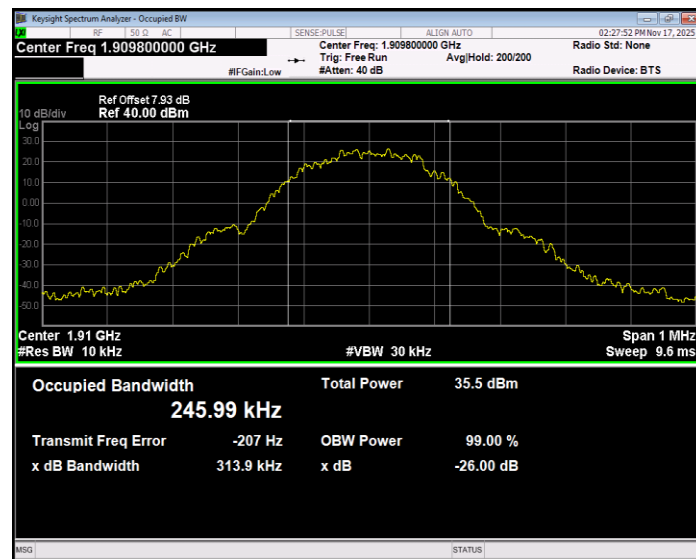
GPRS1900 Channel=661





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GPRS1900 Channel=810



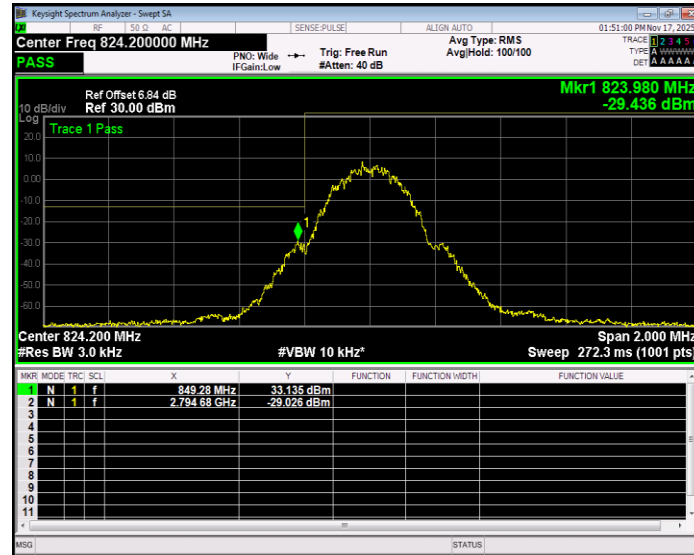


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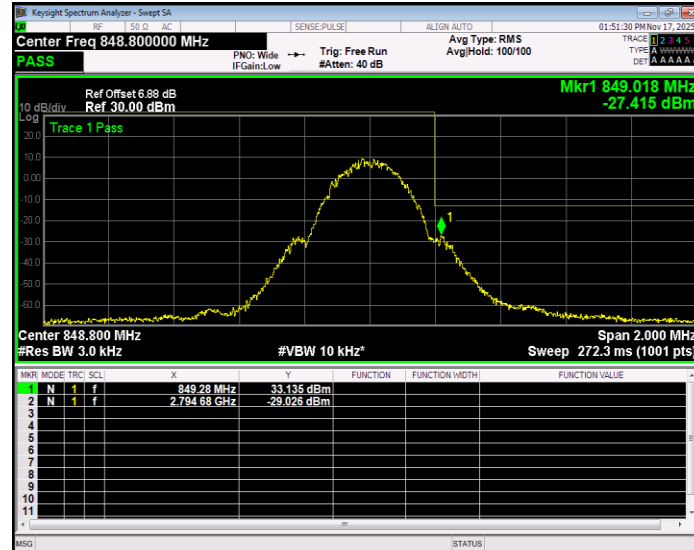
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	823.98	-29.43	-13	PASS
GPRS850	251	848.8	849.02	-27.41	-13	PASS
GPRS1900	512	1850.2	1849.99	-30.56	-13	PASS
GPRS1900	810	1909.8	1910.02	-31.78	-13	PASS

GPRS850 Channel=128



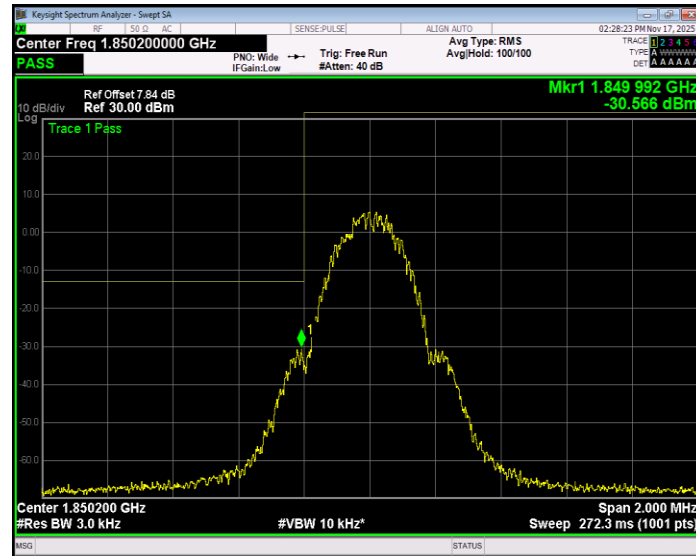
GPRS850 Channel=251



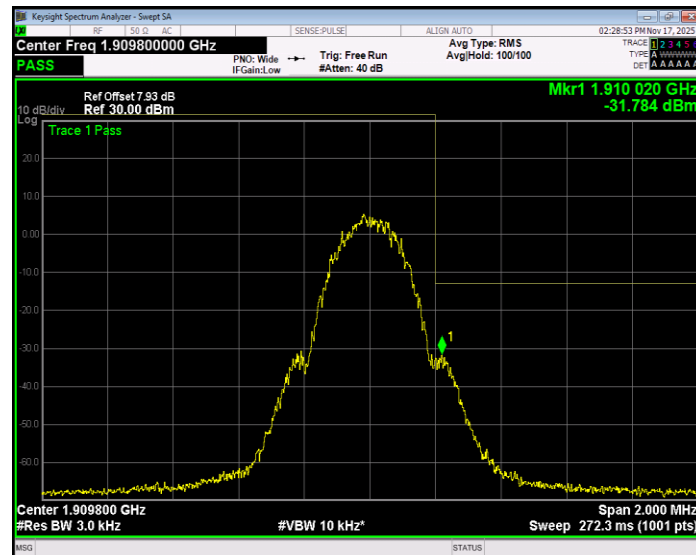
GPRS1900 Channel=512



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GPRS1900 Channel=810



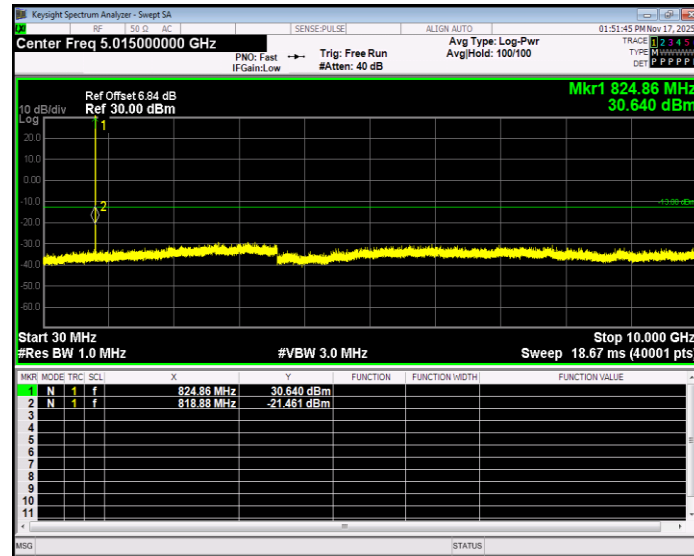


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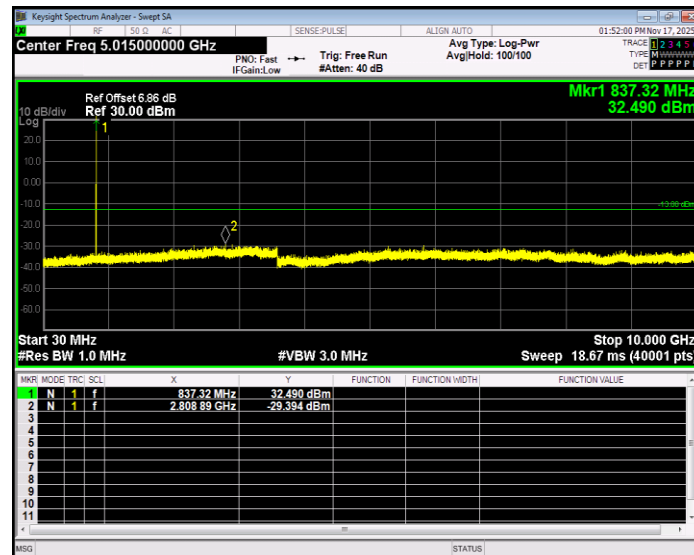
Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	818.88	-21.46	-13	PASS
GPRS850	190	836.6	2808.89	-29.39	-13	PASS
GPRS850	251	848.8	3318.85	-29.47	-13	PASS
GPRS1900	512	1850.2	19551.17	-24.23	-13	PASS
GPRS1900	661	1880	19628.56	-24.46	-13	PASS
GPRS1900	810	1909.8	18977.04	-24.03	-13	PASS

GPRS850 Channel=128



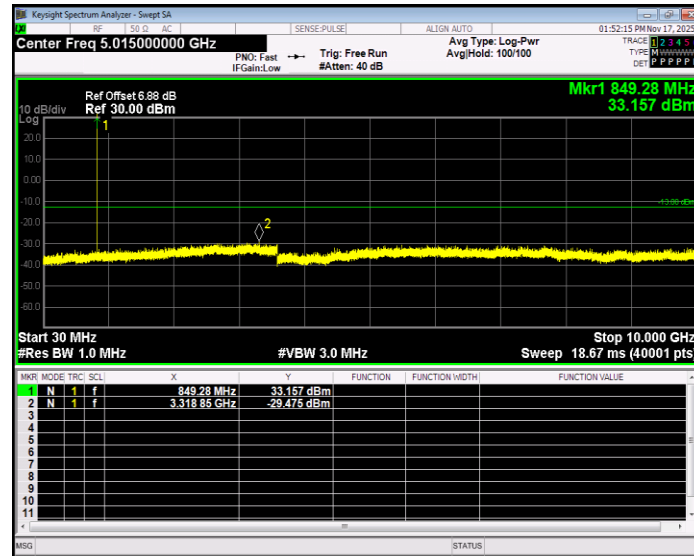
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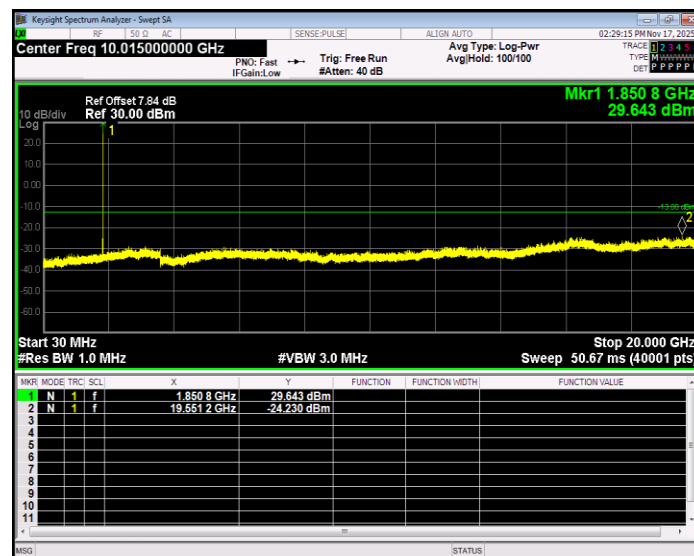
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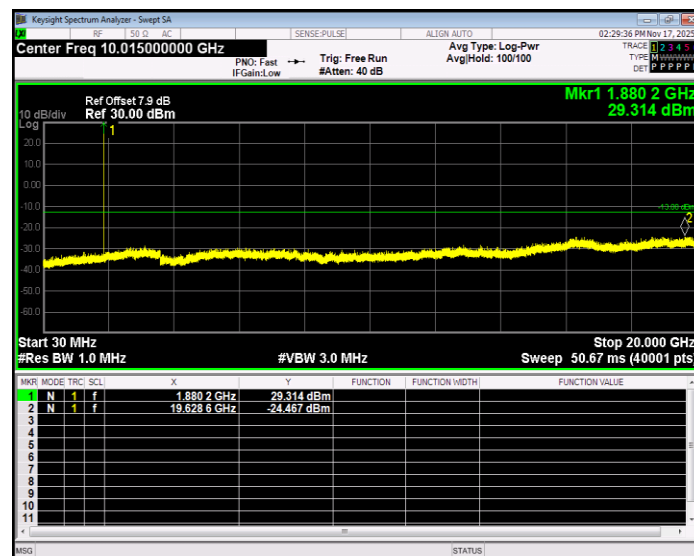
Report



GPRS1900 Channel=512



GPRS1900 Channel=661





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GPRS1900 Channel=810

