



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	31.47	-2.57	26.75	38.45	PASS
GSM850	190	836.6	31.21	-2.57	26.49	38.45	PASS
GSM850	251	848.8	31.19	-2.57	26.47	38.45	PASS
GPRS850 1 Slot	128	824.2	31.53	-2.57	26.81	38.45	PASS
GPRS850 1 Slot	190	836.6	31.32	-2.57	26.60	38.45	PASS
GPRS850 1 Slot	251	848.8	31.28	-2.57	26.56	38.45	PASS
GPRS850 2 Slot	128	824.2	30.86	-2.57	26.14	38.45	PASS
GPRS850 2 Slot	190	836.6	30.68	-2.57	25.96	38.45	PASS
GPRS850 2 Slot	251	848.8	30.67	-2.57	25.95	38.45	PASS
GPRS850 3 Slot	128	824.2	28.87	-2.57	24.15	38.45	PASS
GPRS850 3 Slot	190	836.6	28.69	-2.57	23.97	38.45	PASS
GPRS850 3 Slot	251	848.8	28.70	-2.57	23.98	38.45	PASS
GPRS850 4 Slot	128	824.2	27.80	-2.57	23.08	38.45	PASS
GPRS850 4 Slot	190	836.6	27.68	-2.57	22.96	38.45	PASS
GPRS850 4 Slot	251	848.8	27.68	-2.57	22.96	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	25.43	-1.53	23.90	33.01	PASS
GSM1900	661	1880	25.63	-1.53	24.10	33.01	PASS
GSM1900	810	1909.8	25.91	-1.53	24.38	33.01	PASS
GPRS1900 1 Slot	512	1850.2	25.41	-1.53	23.88	33.01	PASS
GPRS1900 1 Slot	661	1880	25.61	-1.53	24.08	33.01	PASS
GPRS1900 1 Slot	810	1909.8	25.89	-1.53	24.36	33.01	PASS
GPRS1900 2 Slot	512	1850.2	24.78	-1.53	23.25	33.01	PASS
GPRS1900 2 Slot	661	1880	24.85	-1.53	23.32	33.01	PASS
GPRS1900 2 Slot	810	1909.8	25.01	-1.53	23.48	33.01	PASS
GPRS1900 3 Slot	512	1850.2	23.97	-1.53	22.44	33.01	PASS
GPRS1900 3 Slot	661	1880	24.08	-1.53	22.55	33.01	PASS
GPRS1900 3 Slot	810	1909.8	24.12	-1.53	22.59	33.01	PASS
GPRS1900 4 Slot	512	1850.2	23.35	-1.53	21.82	33.01	PASS
GPRS1900 4 Slot	661	1880	23.38	-1.53	21.85	33.01	PASS
GPRS1900 4 Slot	810	1909.8	23.45	-1.53	21.92	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	-0.03	0.000	2.5ppm	PASS
40		0.38	0.000		
30		-0.09	0.000		
20		-1.10	-0.001		
10		0.38	0.000		
0		0.19	0.000		
-10		0.00	0.000		
-20		0.44	0.001		
-30		-0.47	-0.001		
20	Maximum Voltage	0.48	0.001		
20	BEP	0.24	0.000		

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	1.39	0.002	2.5ppm	PASS
40		-1.57	-0.002		
30		-1.84	-0.002		
20		1.55	0.002		
10		-1.51	-0.002		
0		-1.52	-0.002		
-10		-1.86	-0.002		
-20		1.49	0.002		
-30		-1.74	-0.002		
20	Maximum Voltage	1.48	0.002		
20	BEP	-1.47	-0.002		



Report

EGPRS 850 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	2.09	0.002	2.5ppm	PASS
40		1.79	0.002		
30		2.22	0.003		
20		-5.81	-0.007		
10		-2.11	-0.003		
0		2.24	0.003		
-10		1.92	0.002		
-20		2.20	0.003		
-30		-2.36	-0.003		
20	Maximum Voltage	-2.21	-0.003		
20	BEP	-2.14	-0.003		

GSM 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-3.57	-0.002	Within Authorized Band	PASS
40		-3.61	-0.002		
30		3.26	0.002		
20		-8.43	-0.004		
10		-3.32	-0.002		
0		3.24	0.002		
-10		3.29	0.002		
-20		3.54	0.002		
-30		3.43	0.002		
20	Maximum Voltage	3.42	0.002		
20	BEP	3.31	0.002		



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GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-1.43	-0.001	Within Authorized Band	PASS
40		-1.27	-0.001		
30		1.20	0.001		
20		-4.49	-0.002		
10		-1.40	-0.001		
0		-1.69	-0.001		
-10		-1.13	-0.001		
-20		-1.41	-0.001		
-30		-1.39	-0.001		
20	Maximum Voltage	-1.34	-0.001		
20	BEP	-1.20	-0.001		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-2.79	-0.001	Within Authorized Band	PASS
40		2.66	0.001		
30		2.66	0.001		
20		-6.81	-0.004		
10		2.70	0.001		
0		2.34	0.001		
-10		2.34	0.001		
-20		2.54	0.001		
-30		-2.69	-0.001		
20	Maximum Voltage	2.76	0.001		
20	BEP	2.40	0.001		

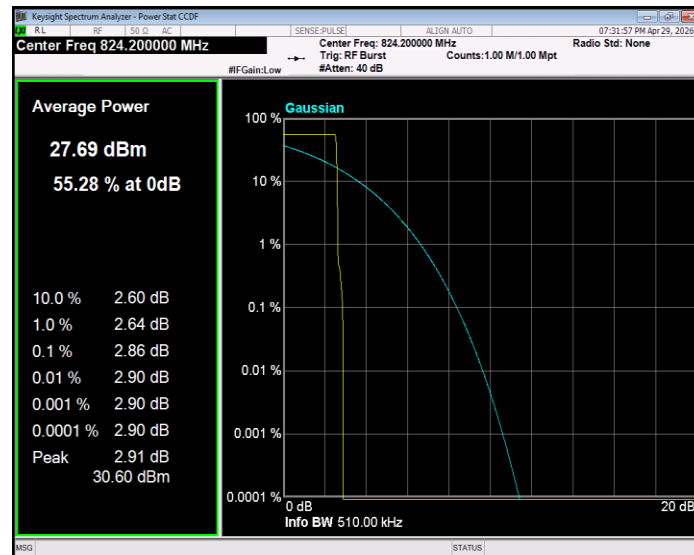


Report

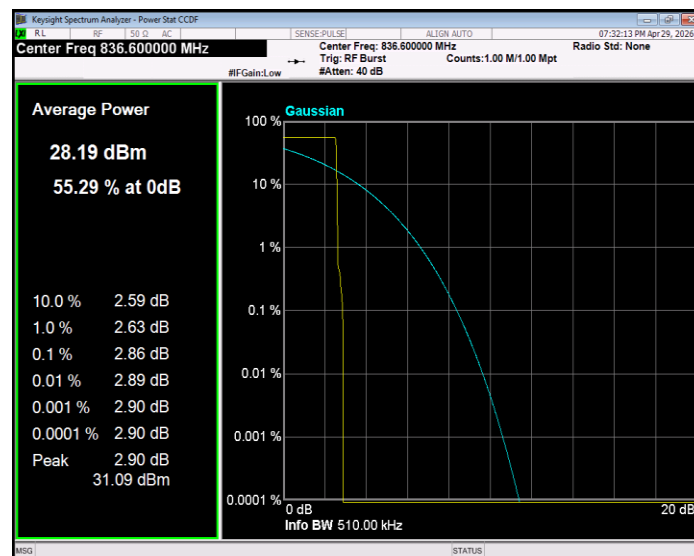
Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM850	128	824.2	2.86	13	PASS
GSM850	190	836.6	2.86	13	PASS
GSM850	251	848.8	2.87	13	PASS
GPRS850	128	824.2	2.89	13	PASS
GPRS850	190	836.6	2.90	13	PASS
GPRS850	251	848.8	2.90	13	PASS
GSM1900	512	1850.2	2.87	13	PASS
GSM1900	661	1880	2.87	13	PASS
GSM1900	810	1909.8	2.83	13	PASS
GPRS1900	512	1850.2	2.91	13	PASS
GPRS1900	661	1880	2.90	13	PASS
GPRS1900	810	1909.8	2.87	13	PASS

GSM850 Channel=128



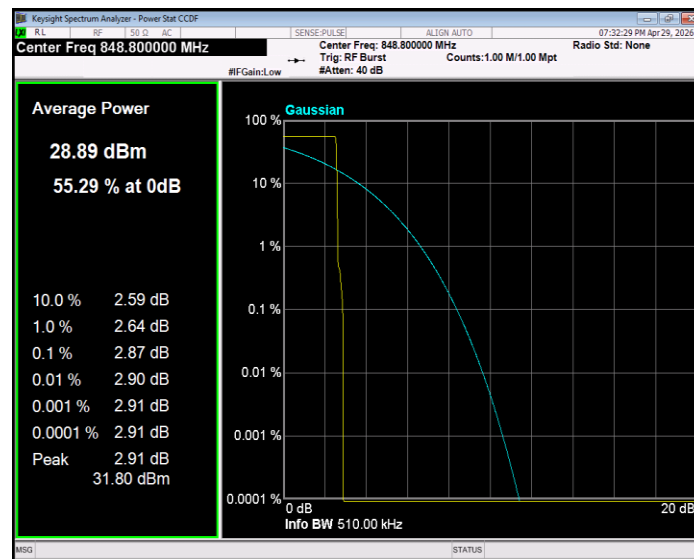
GSM850 Channel=190



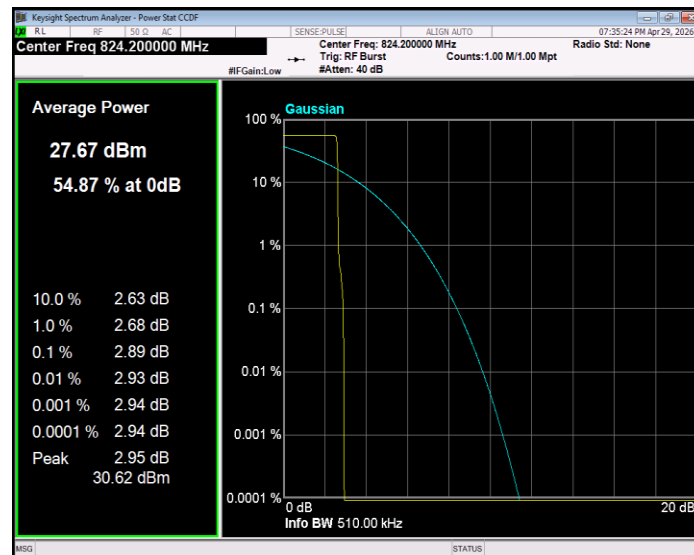


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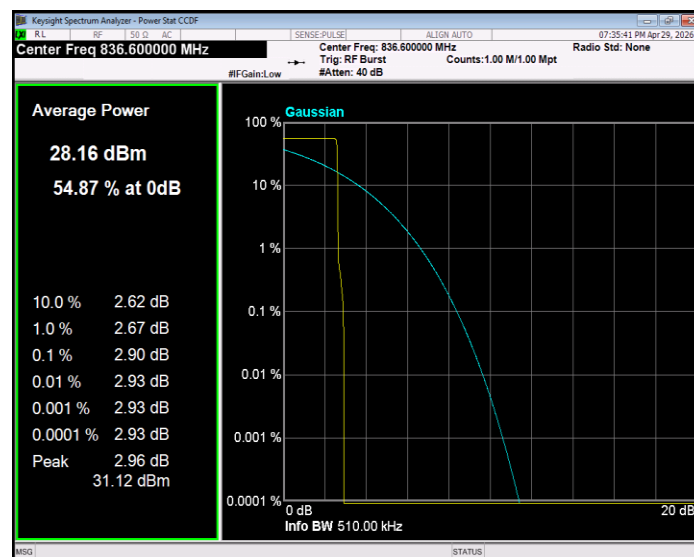
GSM850 Channel=251



GPRS850 Channel=128



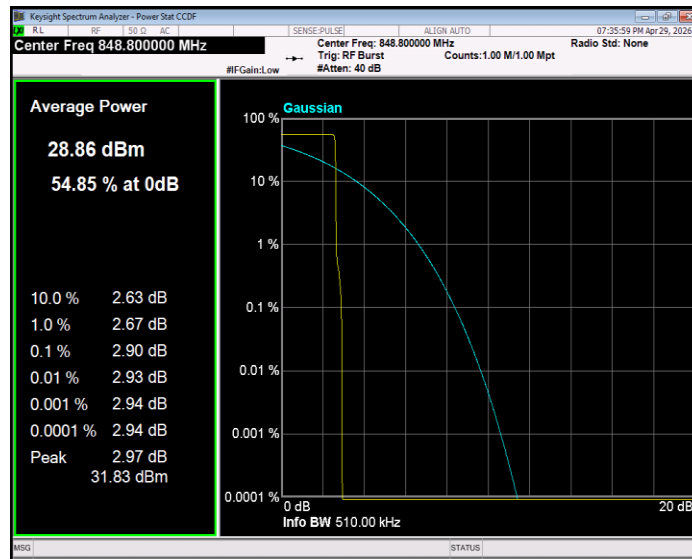
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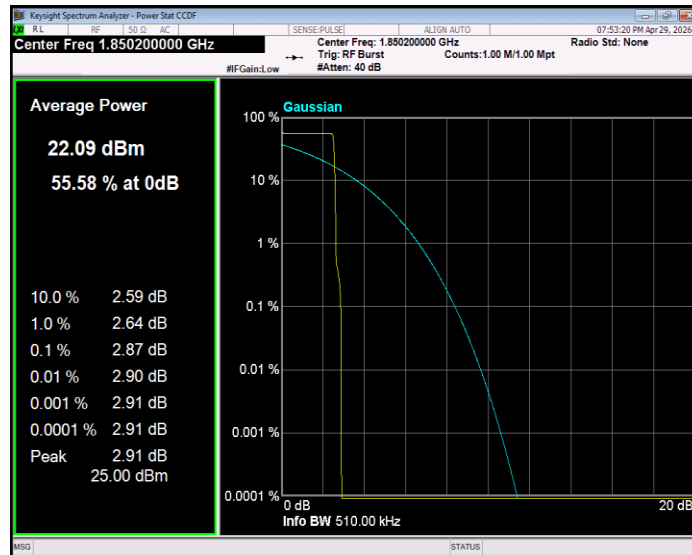


Report

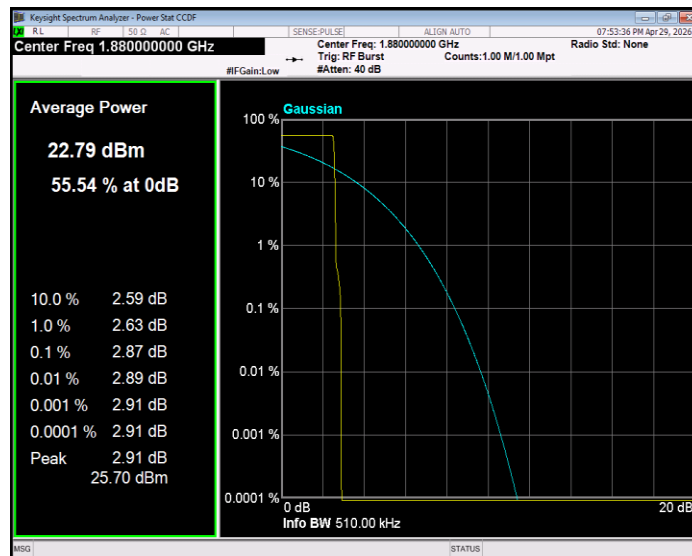
GPRS850 Channel=251



GSM1900 Channel=512



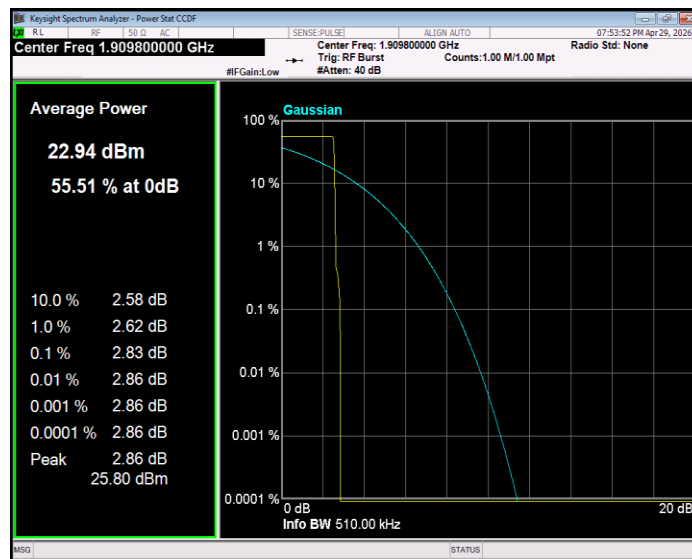
GSM1900 Channel=661



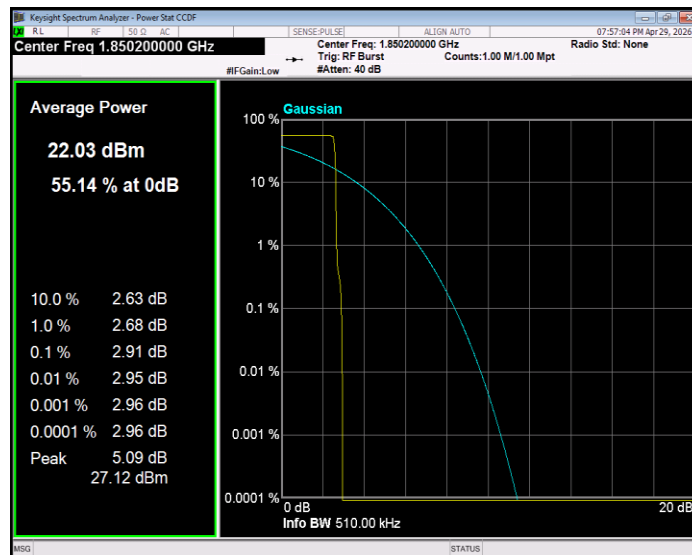


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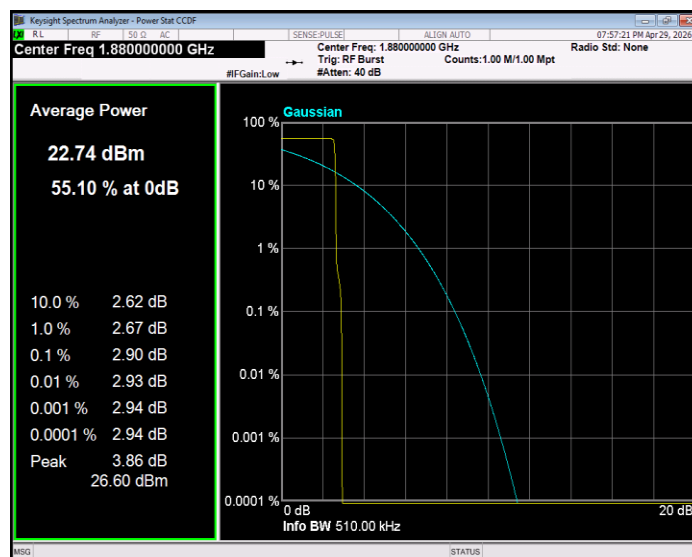
GSM1900 Channel=810



GPRS1900 Channel=512



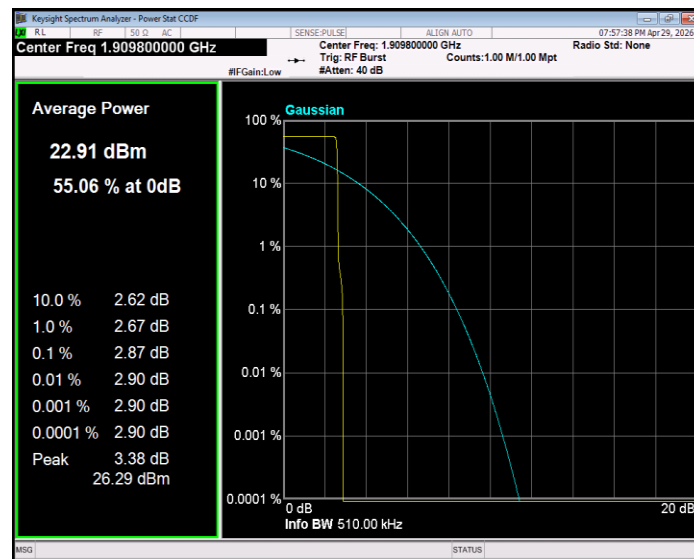
GPRS1900 Channel=661





Report

GPRS1900 Channel=810



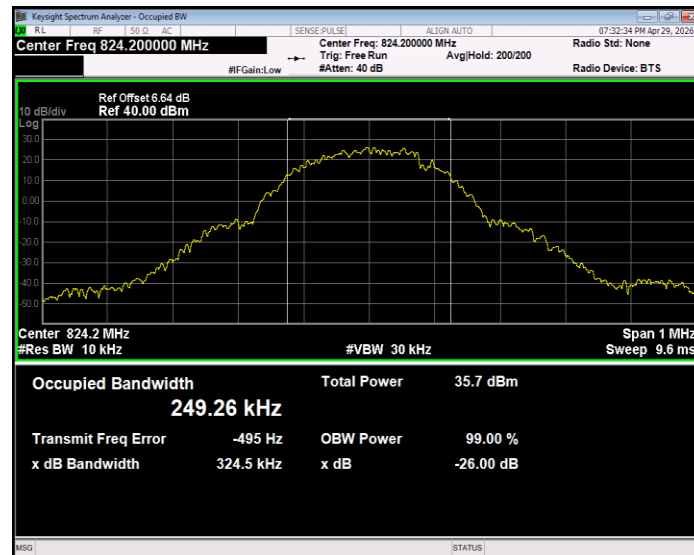


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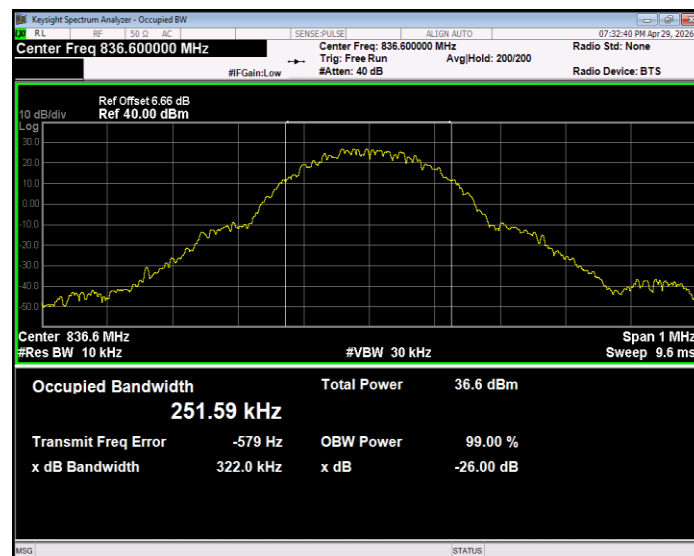
Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM850	128	824.2	249.265	324.506	PASS
GSM850	190	836.6	251.594	321.997	PASS
GSM850	251	848.8	246.657	317.925	PASS
GPRS850	128	824.2	243.553	322.008	PASS
GPRS850	190	836.6	249.234	319.375	PASS
GPRS850	251	848.8	248.159	316.711	PASS
GSM1900	512	1850.2	245.462	316.343	PASS
GSM1900	661	1880	245.168	315.442	PASS
GSM1900	810	1909.8	242.142	311.606	PASS
GPRS1900	512	1850.2	240.765	316.725	PASS
GPRS1900	661	1880	244.074	314.133	PASS
GPRS1900	810	1909.8	248.289	316.390	PASS

GSM850 Channel=128



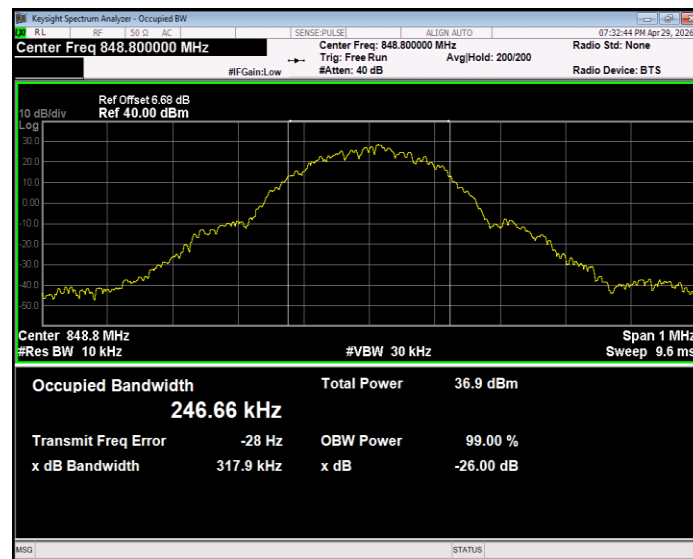
GSM850 Channel=190



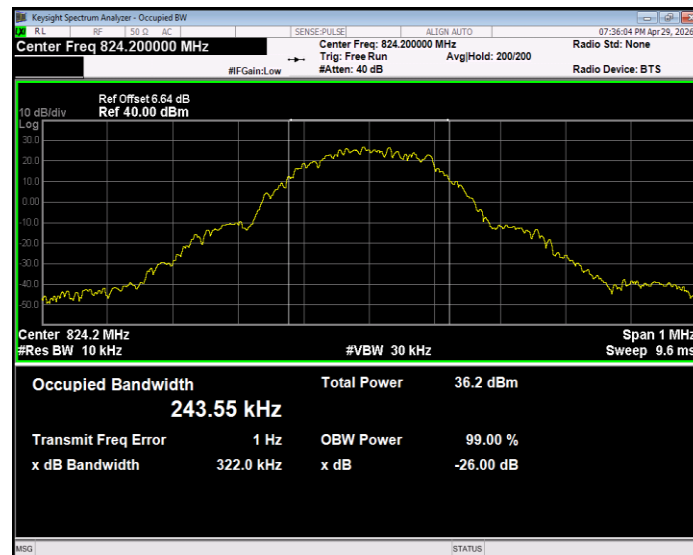


Report

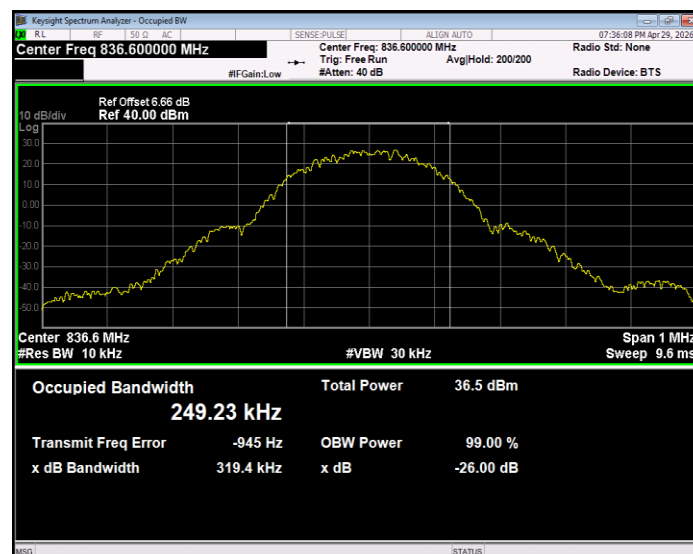
GSM850 Channel=251



GPRS850 Channel=128



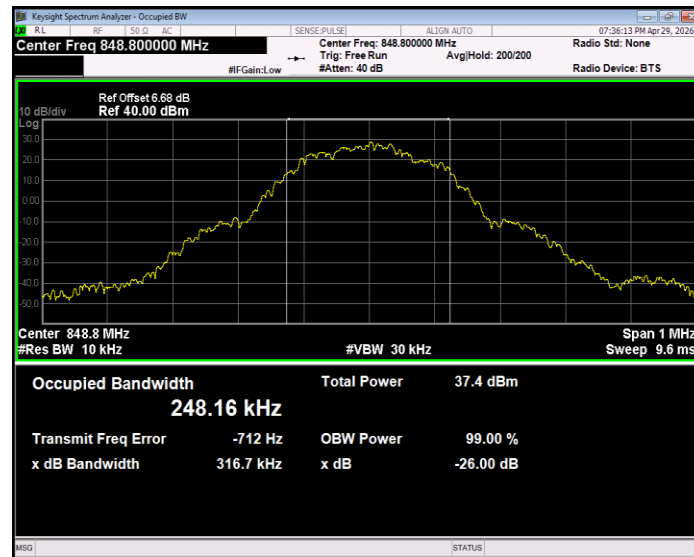
GPRS850 Channel=190



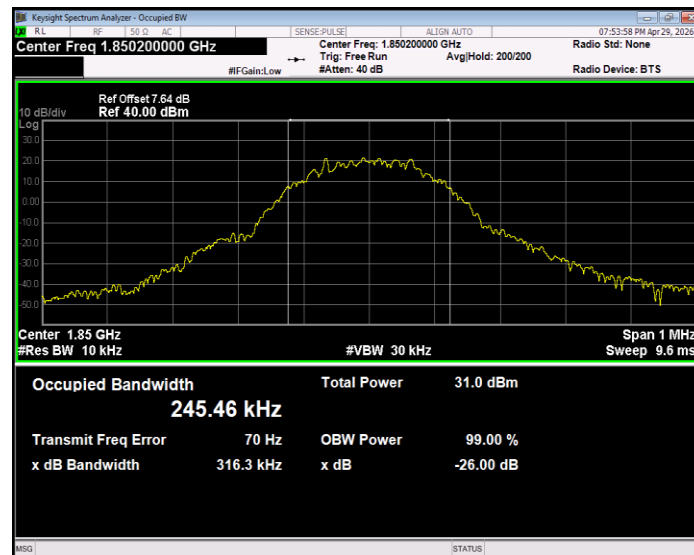


Report

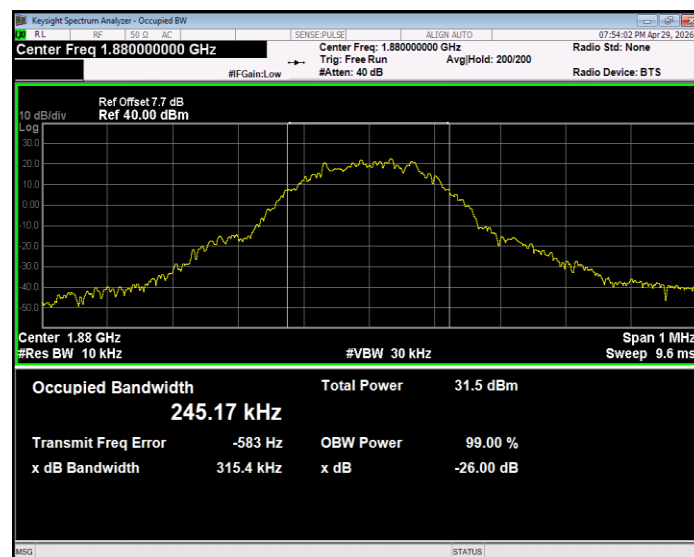
GPRS850 Channel=251



GSM1900 Channel=512



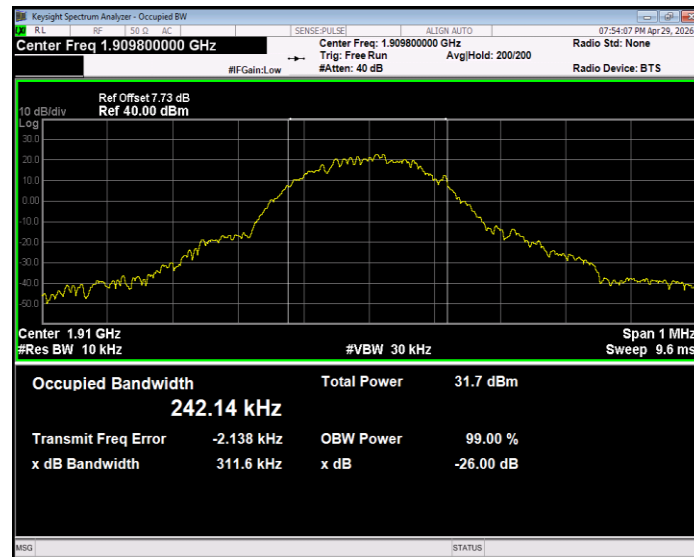
GSM1900 Channel=661



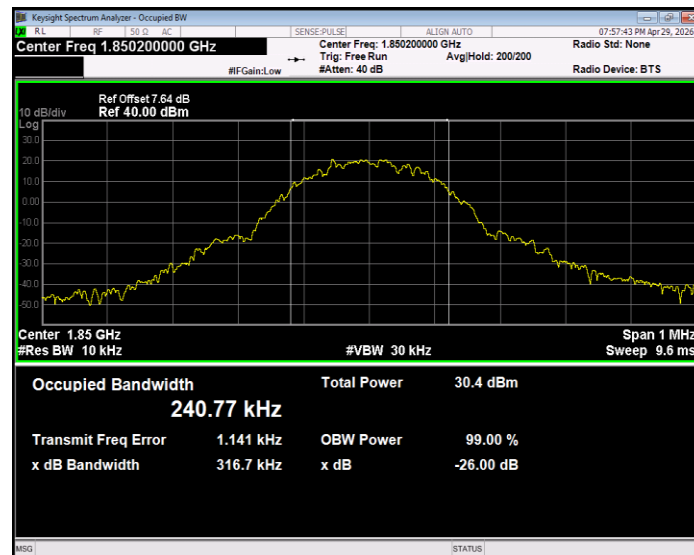


Report

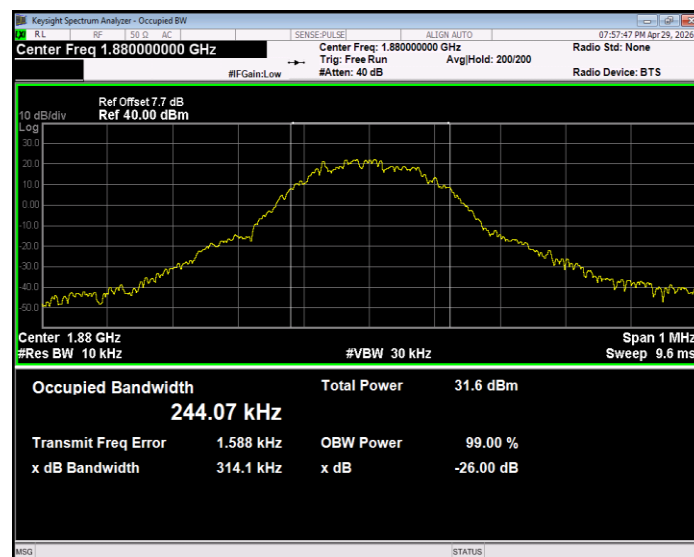
GSM1900 Channel=810



GPRS1900 Channel=512



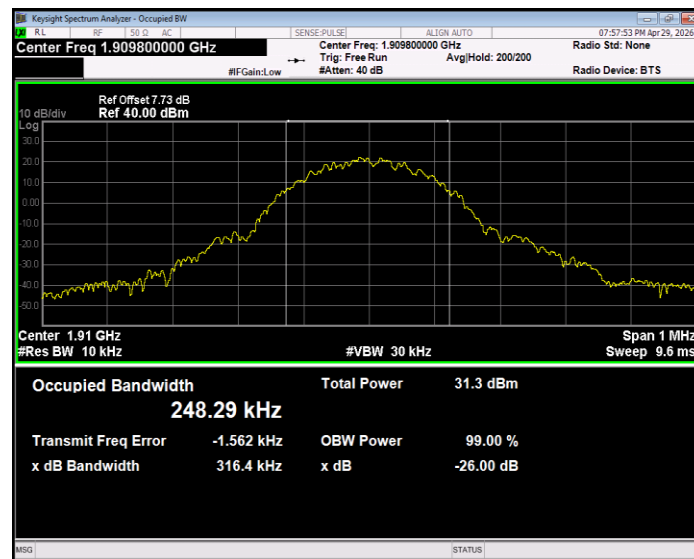
GPRS1900 Channel=661





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	-29.98	-13	PASS
GSM850	251	848.8	849.02	-26.21	-13	PASS
GPRS850	128	824.2	823.98	-29.68	-13	PASS
GPRS850	251	848.8	849.01	-29.28	-13	PASS
GSM1900	512	1850.2	1849.98	-35.08	-13	PASS
GSM1900	810	1909.8	1910.02	-34.01	-13	PASS
GPRS1900	512	1850.2	1849.98	-34.52	-13	PASS
GPRS1900	810	1909.8	1910.02	-34.30	-13	PASS

GSM850 Channel=128



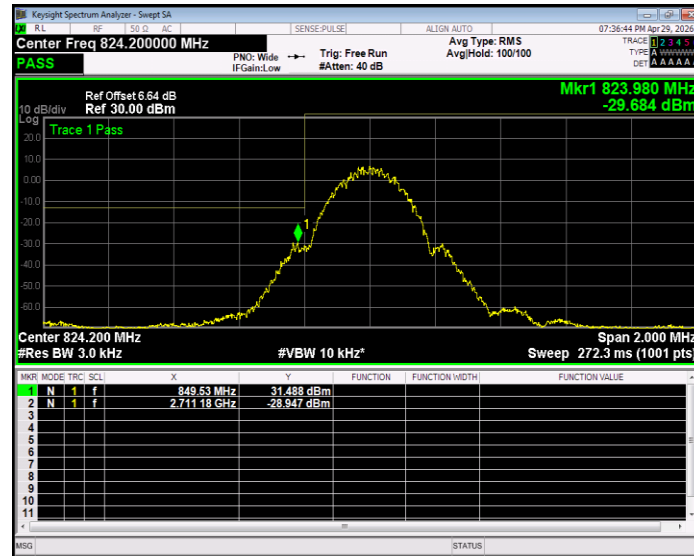
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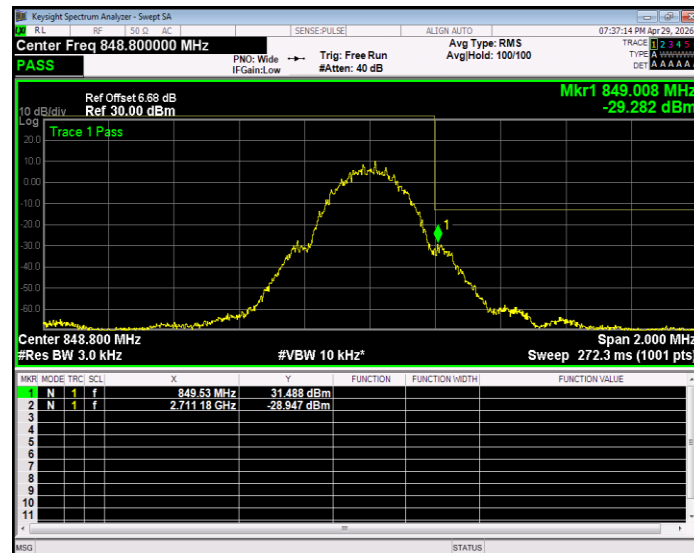
GPRS850 Channel=128



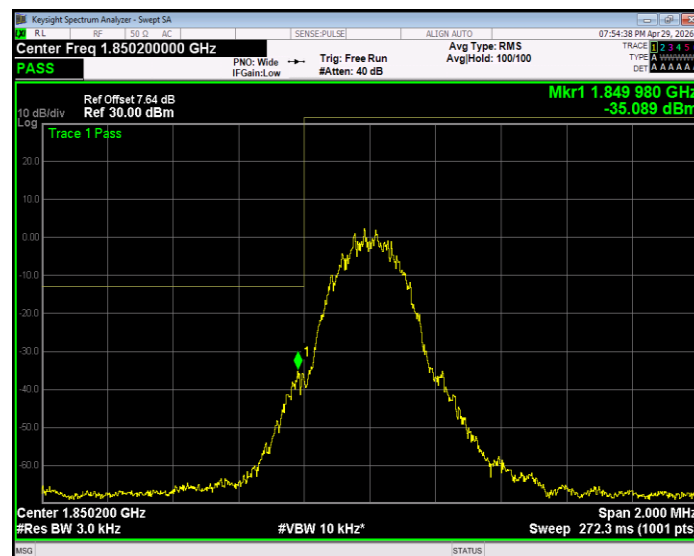
Report



GPRS850 Channel=251



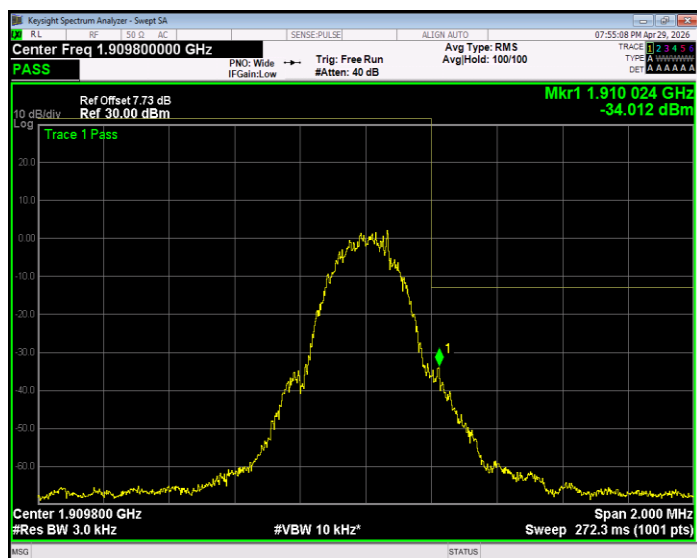
GSM1900 Channel=512



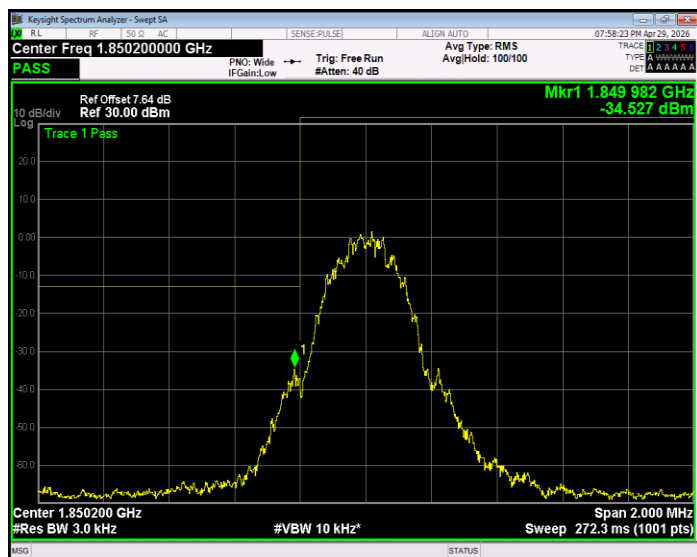


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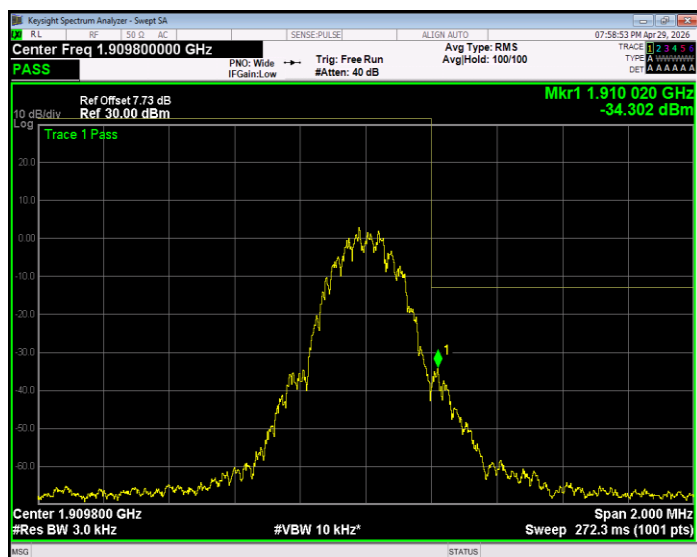
GSM1900 Channel=810



GPRS1900 Channel=512



GPRS1900 Channel=810





Report

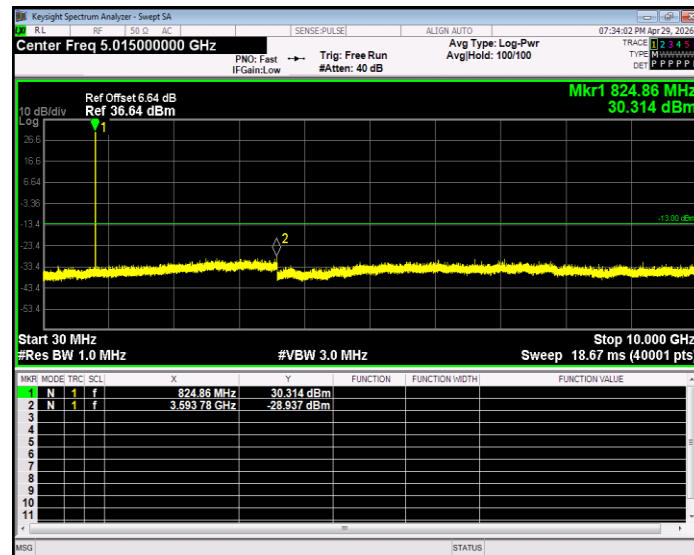


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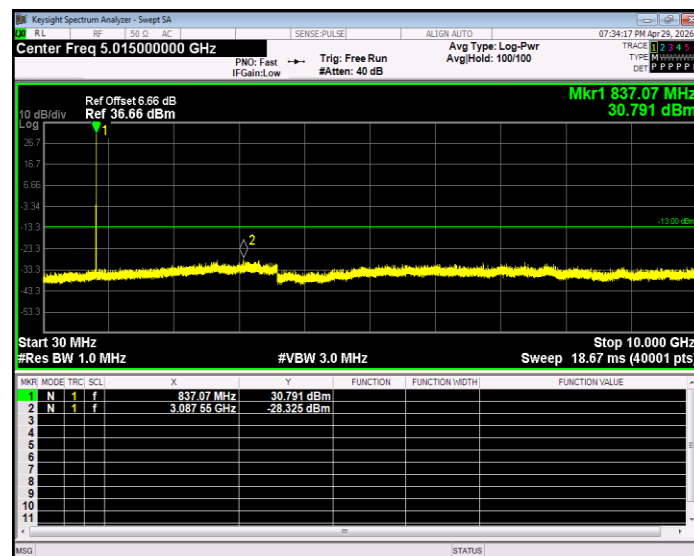
Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	3593.78	-28.93	-13	PASS
GSM850	190	836.6	3087.55	-28.32	-13	PASS
GSM850	251	848.8	2711.18	-28.94	-13	PASS
GPRS850	128	824.2	1959.44	-25.73	-13	PASS
GPRS850	190	836.6	3276.23	-29.02	-13	PASS
GPRS850	251	848.8	2709.69	-28.83	-13	PASS
GSM1900	512	1850.2	16198.21	-23.63	-13	PASS
GSM1900	661	1880	19822.77	-23.86	-13	PASS
GSM1900	810	1909.8	16279.59	-23.27	-13	PASS
GPRS1900	512	1850.2	19383.93	-23.91	-13	PASS
GPRS1900	661	1880	19750.38	-23.68	-13	PASS
GPRS1900	810	1909.8	19668.00	-23.96	-13	PASS

GSM850 Channel=128



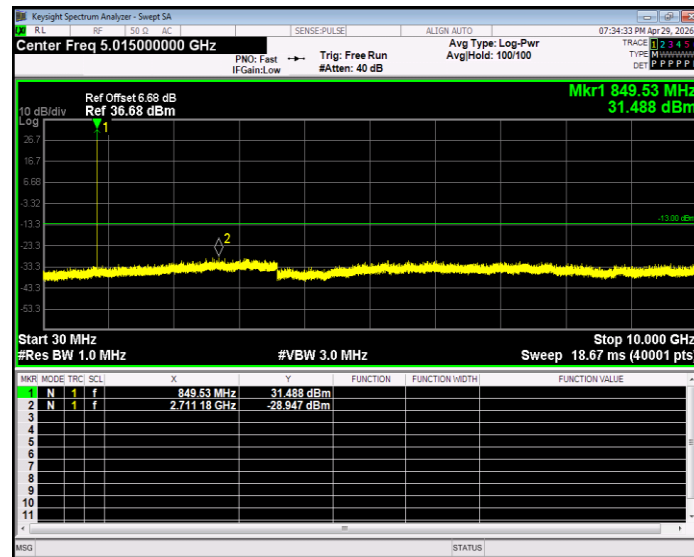
GSM850 Channel=190



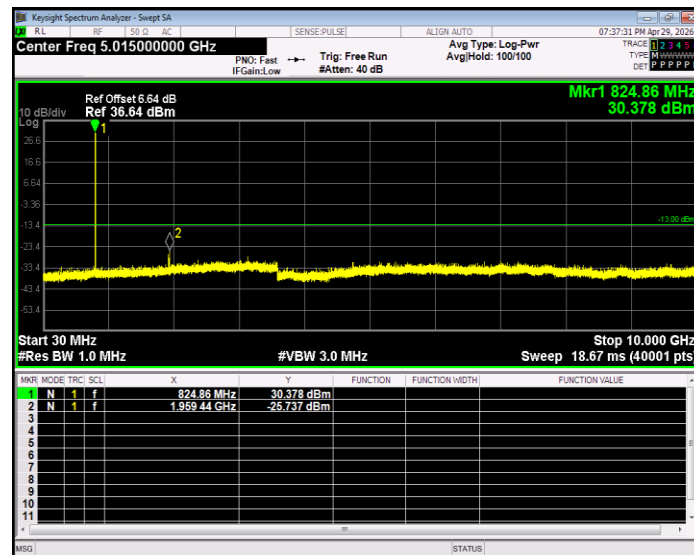


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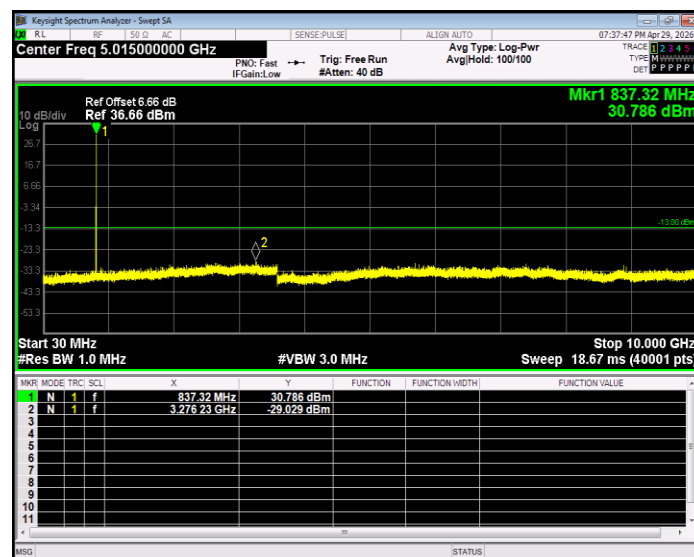
GSM850 Channel=251



GPRS850 Channel=128



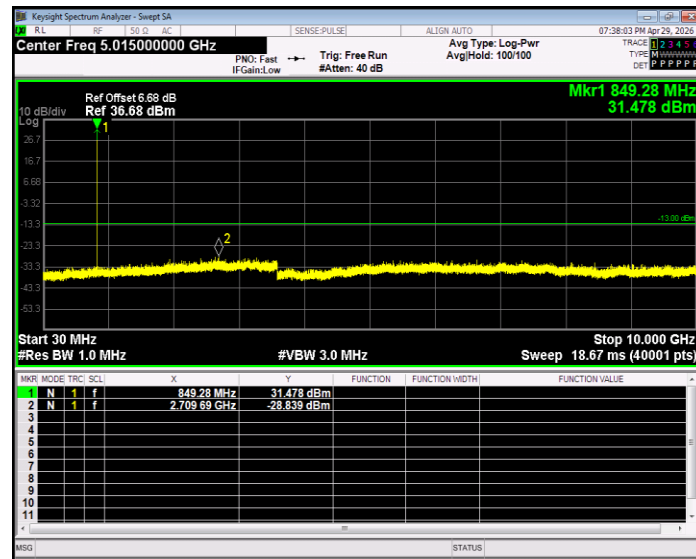
GPRS850 Channel=190



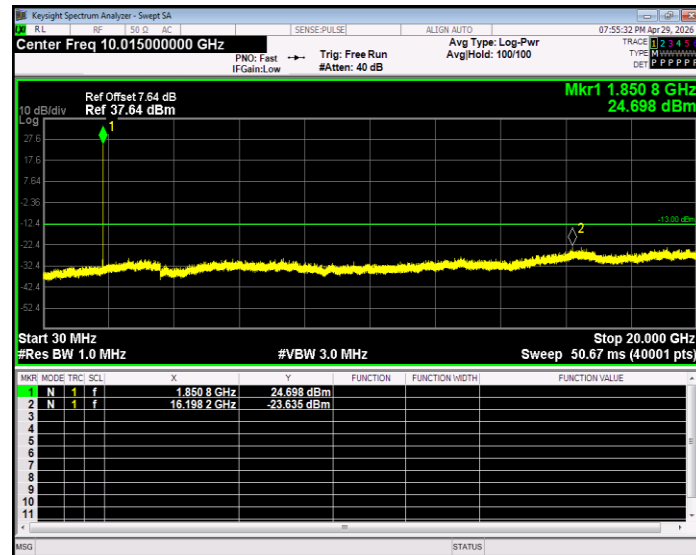


Report

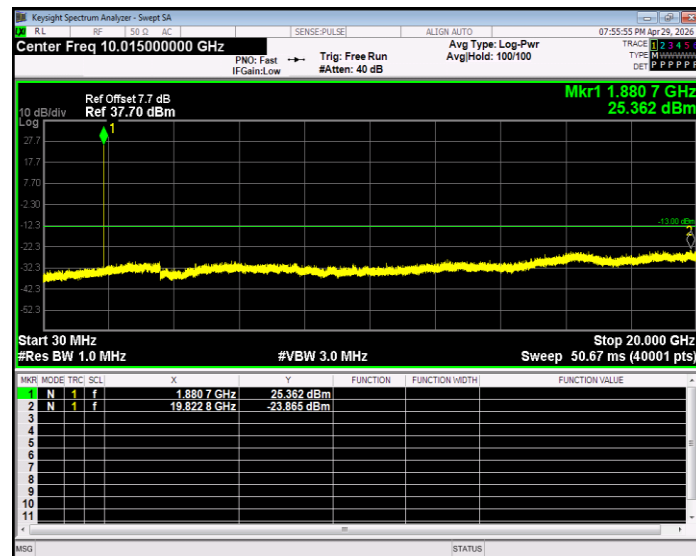
GPRS850 Channel=251



GSM1900 Channel=512



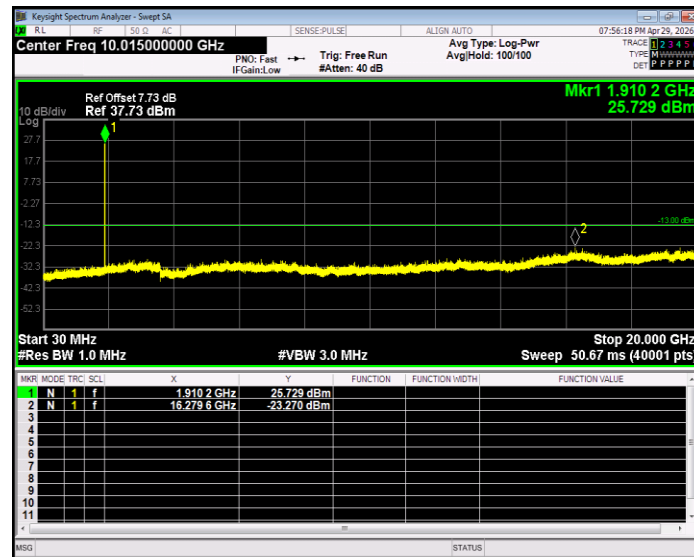
GSM1900 Channel=661



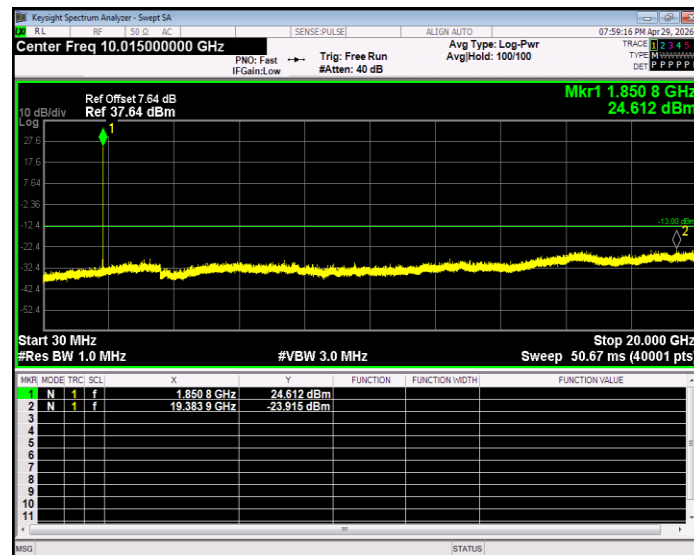


Report

GSM1900 Channel=810



GPRS1900 Channel=512



GPRS1900 Channel=661





Report

GPRS1900 Channel=810

