



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	29.58	-2.57	24.86	38.45	PASS
GSM850	190	836.6	29.39	-2.57	24.67	38.45	PASS
GSM850	251	848.8	29.41	-2.57	24.69	38.45	PASS
GPRS850 1 Slot	128	824.2	29.59	-2.57	24.87	38.45	PASS
GPRS850 1 Slot	190	836.6	29.39	-2.57	24.67	38.45	PASS
GPRS850 1 Slot	251	848.8	29.42	-2.57	24.70	38.45	PASS
GPRS850 2 Slot	128	824.2	29.43	-2.57	24.71	38.45	PASS
GPRS850 2 Slot	190	836.6	29.23	-2.57	24.51	38.45	PASS
GPRS850 2 Slot	251	848.8	29.25	-2.57	24.53	38.45	PASS
GPRS850 3 Slot	128	824.2	28.43	-2.57	23.71	38.45	PASS
GPRS850 3 Slot	190	836.6	28.26	-2.57	23.54	38.45	PASS
GPRS850 3 Slot	251	848.8	28.29	-2.57	23.57	38.45	PASS
GPRS850 4 Slot	128	824.2	27.90	-2.57	23.18	38.45	PASS
GPRS850 4 Slot	190	836.6	27.75	-2.57	23.03	38.45	PASS
GPRS850 4 Slot	251	848.8	27.78	-2.57	23.06	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	27.35	-1.53	25.82	33.01	PASS
GSM1900	661	1880	27.32	-1.53	25.79	33.01	PASS
GSM1900	810	1909.8	27.25	-1.53	25.72	33.01	PASS
GPRS1900 1 Slot	512	1850.2	27.32	-1.53	25.79	33.01	PASS
GPRS1900 1 Slot	661	1880	27.31	-1.53	25.78	33.01	PASS
GPRS1900 1 Slot	810	1909.8	27.24	-1.53	25.71	33.01	PASS
GPRS1900 2 Slot	512	1850.2	27.15	-1.53	25.62	33.01	PASS
GPRS1900 2 Slot	661	1880	27.13	-1.53	25.60	33.01	PASS
GPRS1900 2 Slot	810	1909.8	27.07	-1.53	25.54	33.01	PASS
GPRS1900 3 Slot	512	1850.2	26.12	-1.53	24.59	33.01	PASS
GPRS1900 3 Slot	661	1880	26.13	-1.53	24.60	33.01	PASS
GPRS1900 3 Slot	810	1909.8	26.09	-1.53	24.56	33.01	PASS
GPRS1900 4 Slot	512	1850.2	25.55	-1.53	24.02	33.01	PASS
GPRS1900 4 Slot	661	1880	25.58	-1.53	24.05	33.01	PASS
GPRS1900 4 Slot	810	1909.8	25.57	-1.53	24.04	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	3.63	0.004	2.5ppm	PASS
40		3.69	0.004		
30		3.87	0.005		
20		5.77	0.007		
10		3.57	0.004		
0		3.70	0.004		
-10		3.89	0.005		
-20		-3.61	-0.004		
-30		3.45	0.004		
20	Maximum Voltage	3.49	0.004		
20	BEP	3.72	0.004		

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-3.81	-0.005	2.5ppm	PASS
40		3.35	0.004		
30		-3.78	-0.005		
20		5.46	0.007		
10		-3.46	-0.004		
0		3.63	0.004		
-10		3.48	0.004		
-20		-3.39	-0.004		
-30		-3.48	-0.004		
20	Maximum Voltage	-3.71	-0.004		
20	BEP	-3.56	-0.004		



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GSM 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-3.18	-0.002	Within Authorized Band	PASS
40		3.47	0.002		
30		3.22	0.002		
20		5.12	0.003		
10		3.65	0.002		
0		-3.64	-0.002		
-10		3.20	0.002		
-20		3.47	0.002		
-30		-3.11	-0.002		
20	Maximum Voltage	3.62	0.002		
20	BEP	3.19	0.002		

GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.52	0.002	Within Authorized Band	PASS
40		3.68	0.002		
30		-3.65	-0.002		
20		5.32	0.003		
10		-3.47	-0.002		
0		-3.59	-0.002		
-10		-3.51	-0.002		
-20		3.39	0.002		
-30		-3.38	-0.002		
20	Maximum Voltage	3.43	0.002		
20	BEP	3.46	0.002		

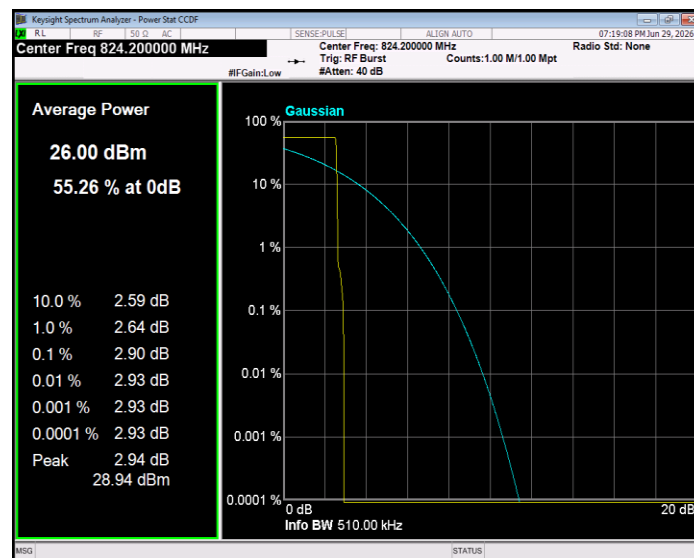


Report

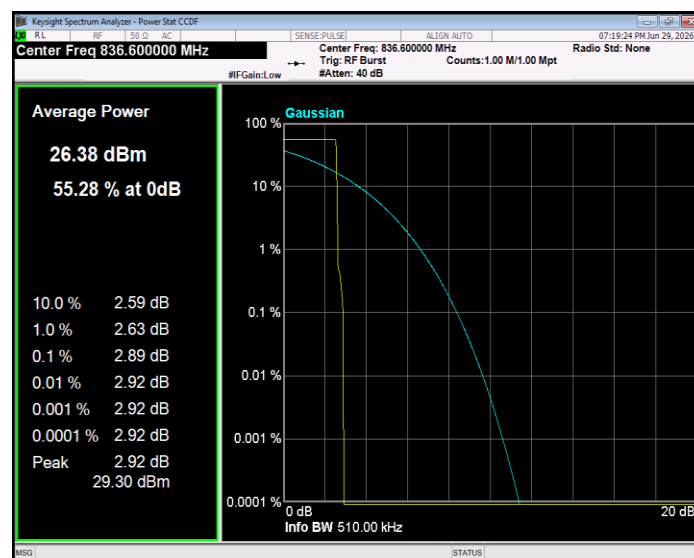
Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GSM850	128	824.2	2.90	13	PASS
GSM850	190	836.6	2.89	13	PASS
GSM850	251	848.8	2.89	13	PASS
GPRS850	128	824.2	2.90	13	PASS
GPRS850	190	836.6	2.89	13	PASS
GPRS850	251	848.8	2.89	13	PASS
GSM1900	512	1850.2	2.75	13	PASS
GSM1900	661	1880	2.76	13	PASS
GSM1900	810	1909.8	2.76	13	PASS
GPRS1900	512	1850.2	2.79	13	PASS
GPRS1900	661	1880	2.79	13	PASS
GPRS1900	810	1909.8	2.79	13	PASS

GSM850 Channel=128



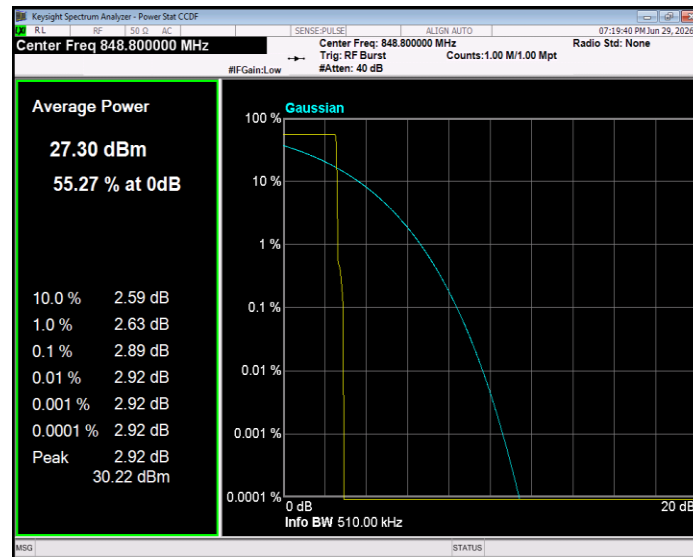
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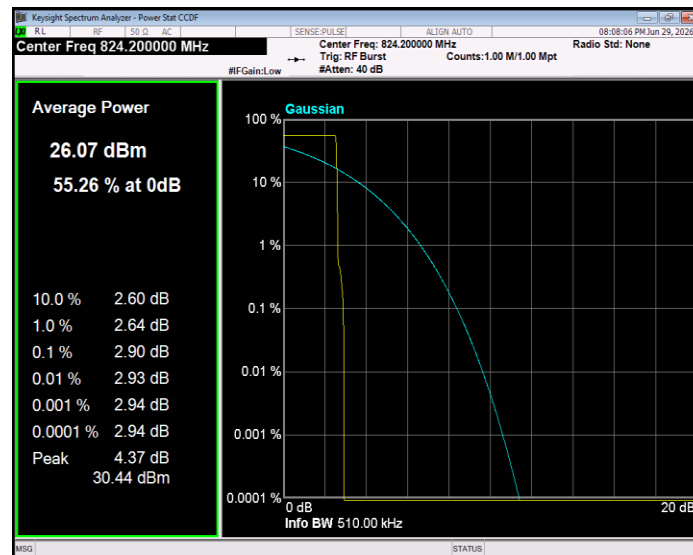


Report

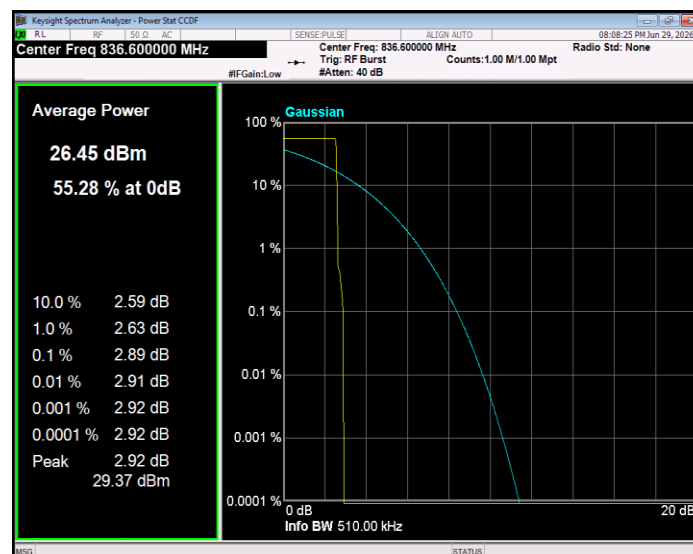
GSM850 Channel=251



GPRS850 Channel=128



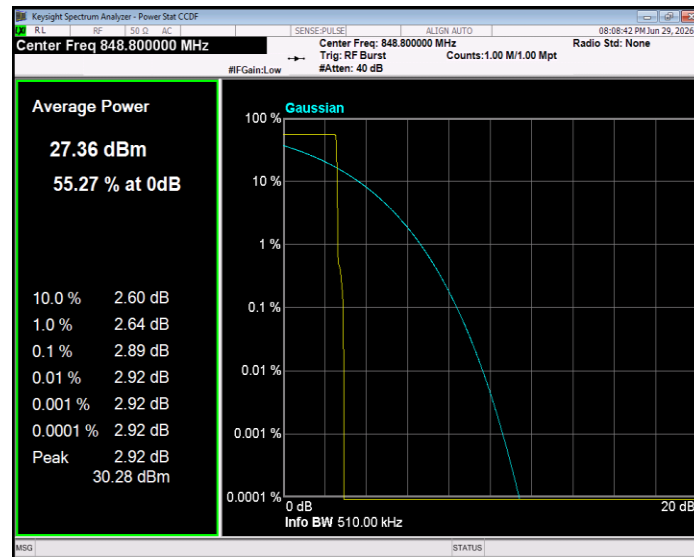
GPRS850 Channel=190



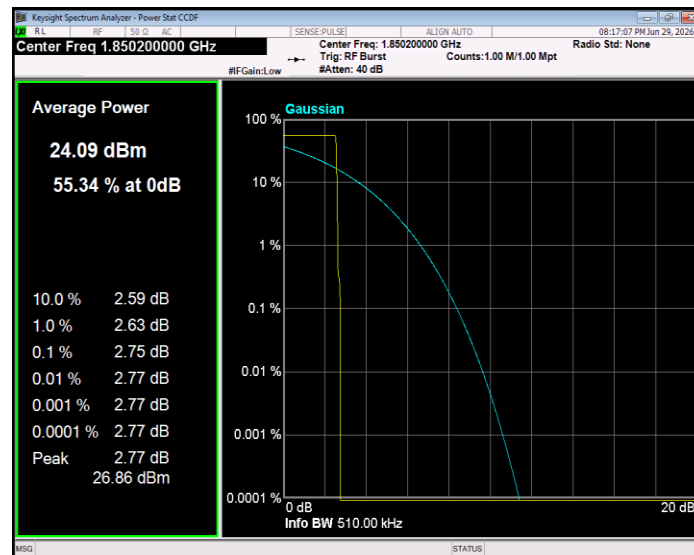


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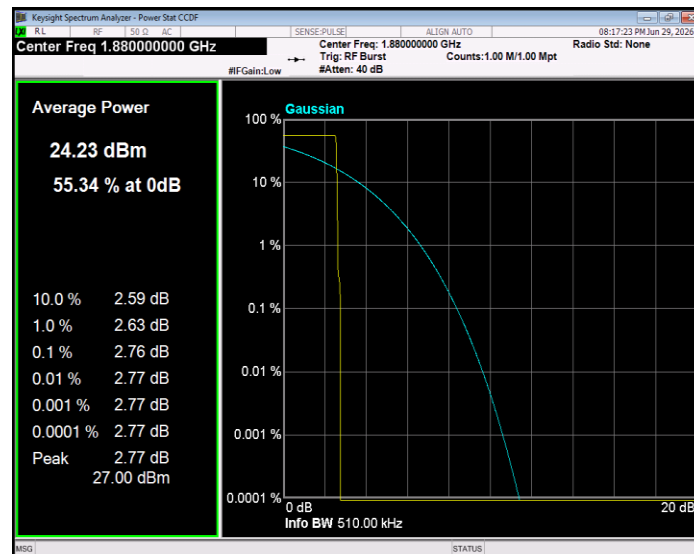
GPRS850 Channel=251



GSM1900 Channel=512



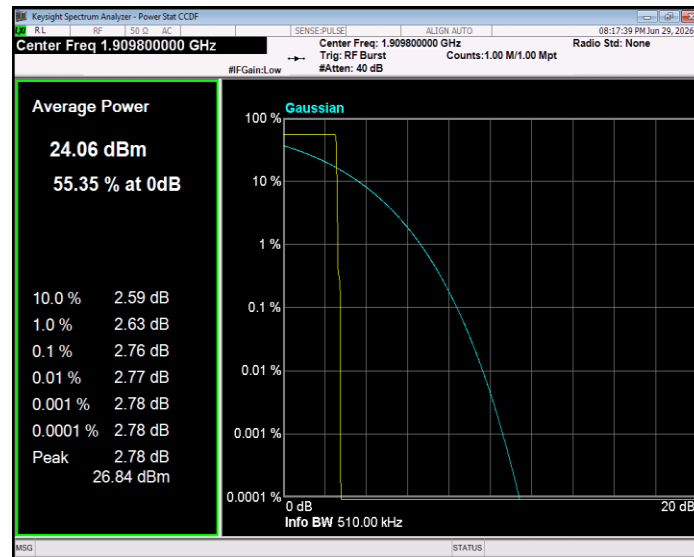
GSM1900 Channel=661



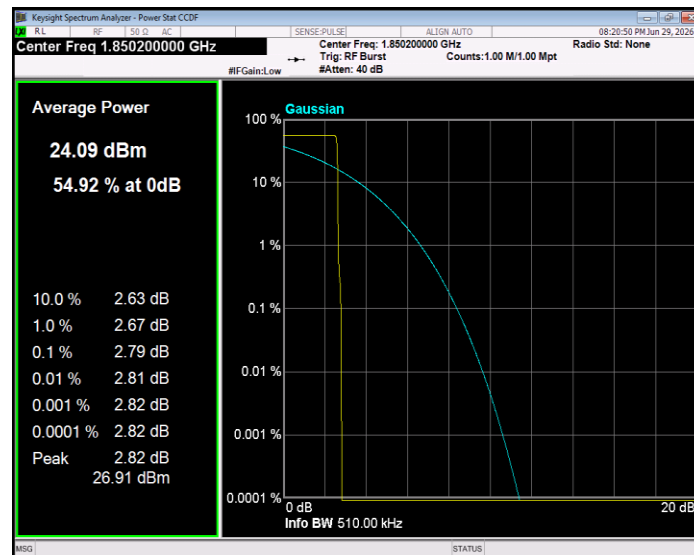


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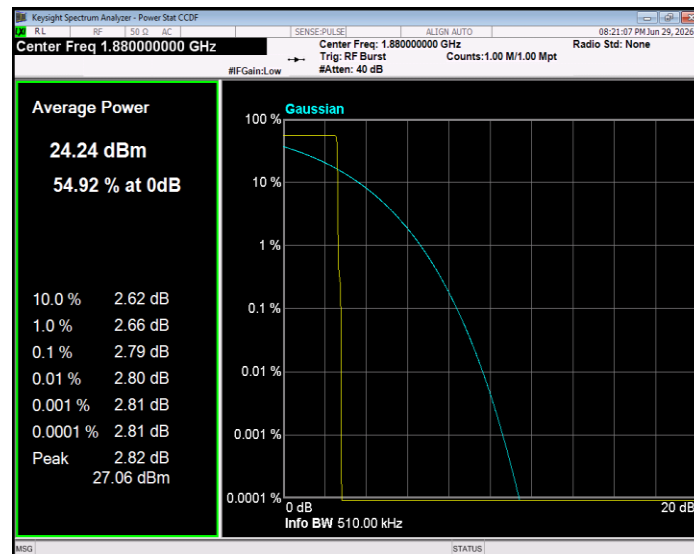
GSM1900 Channel=810



GPRS1900 Channel=512



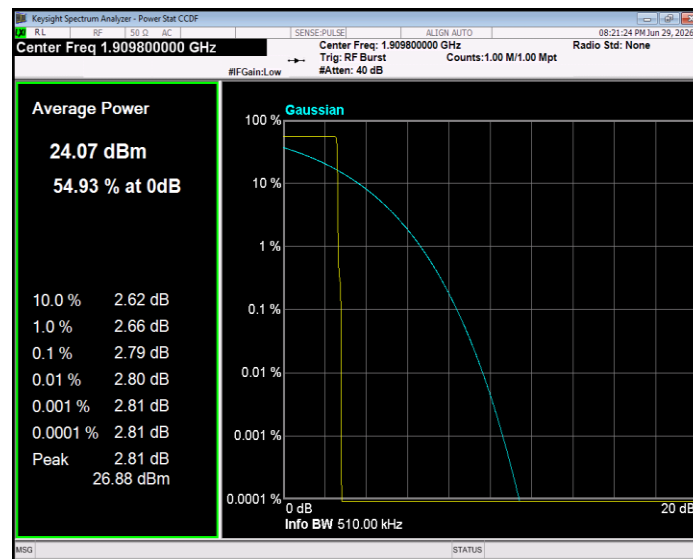
GPRS1900 Channel=661





Report

GPRS1900 Channel=810



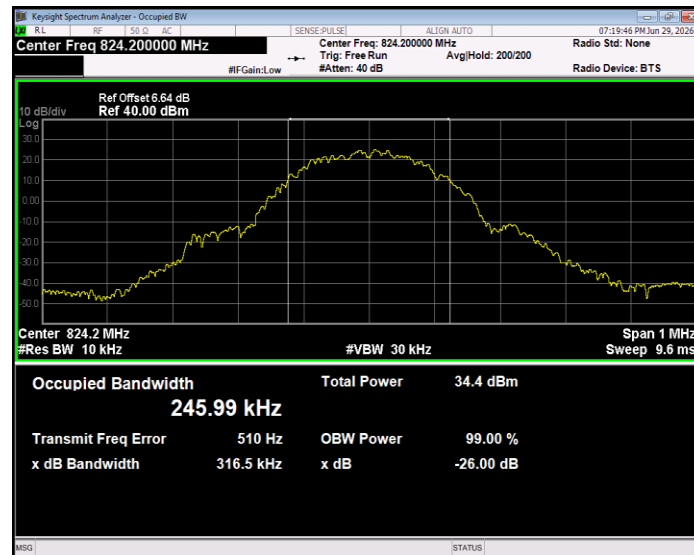


Report

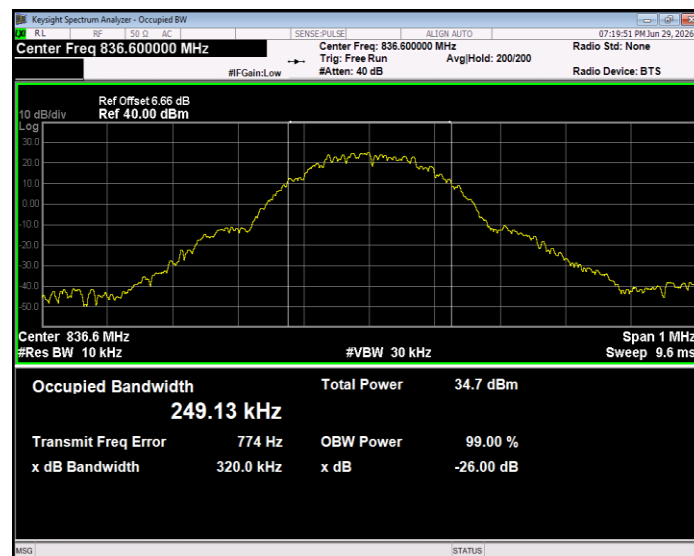
Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GSM850	128	824.2	245.985	316.539	PASS
GSM850	190	836.6	249.133	319.953	PASS
GSM850	251	848.8	247.751	316.661	PASS
GPRS850	128	824.2	245.282	307.813	PASS
GPRS850	190	836.6	243.666	309.736	PASS
GPRS850	251	848.8	245.139	306.586	PASS
GSM1900	512	1850.2	248.416	310.600	PASS
GSM1900	661	1880	246.320	314.025	PASS
GSM1900	810	1909.8	245.764	320.403	PASS
GPRS1900	512	1850.2	244.954	313.736	PASS
GPRS1900	661	1880	238.078	318.321	PASS
GPRS1900	810	1909.8	246.924	323.950	PASS

GSM850 Channel=128



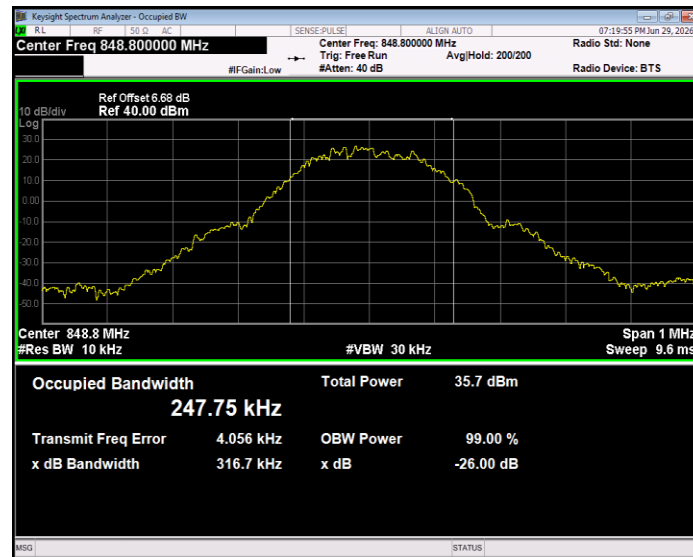
GSM850 Channel=190



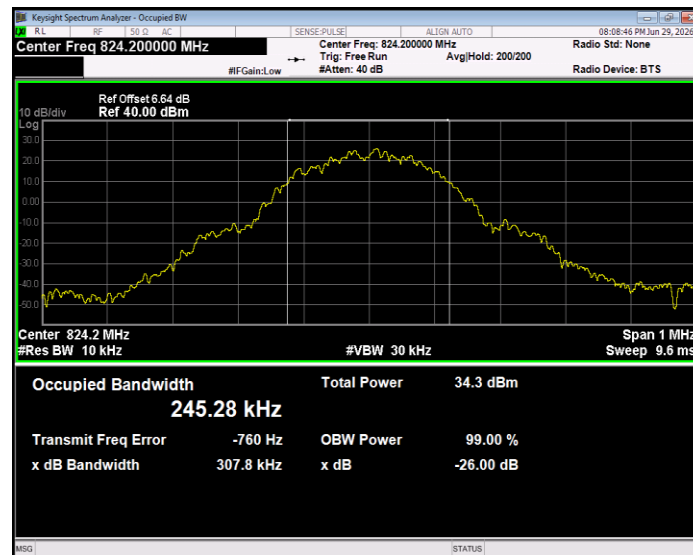


Report

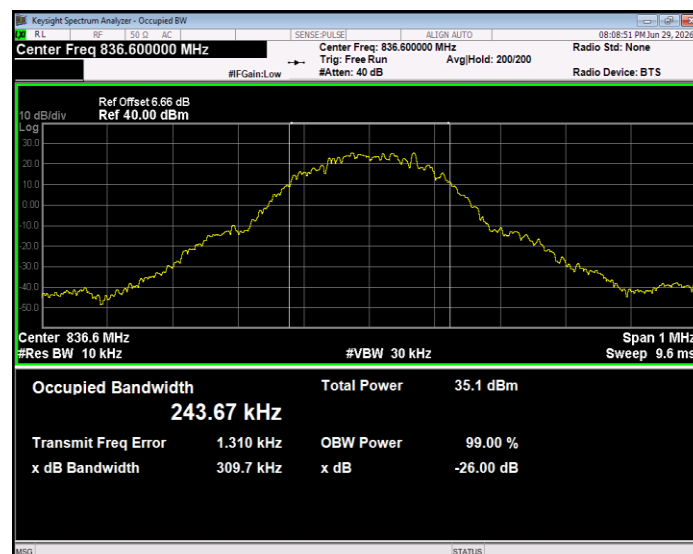
GSM850 Channel=251



GPRS850 Channel=128



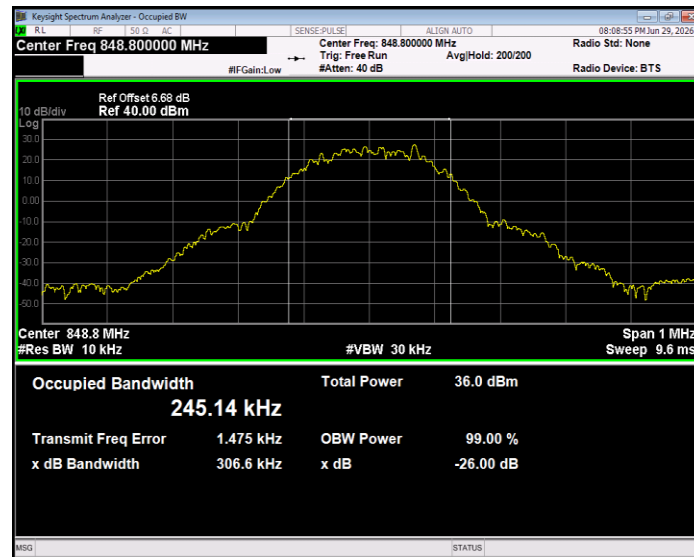
GPRS850 Channel=190



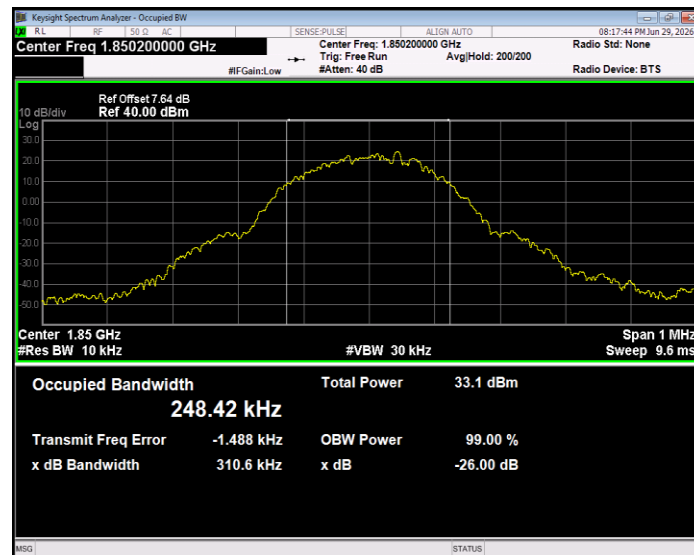


Report

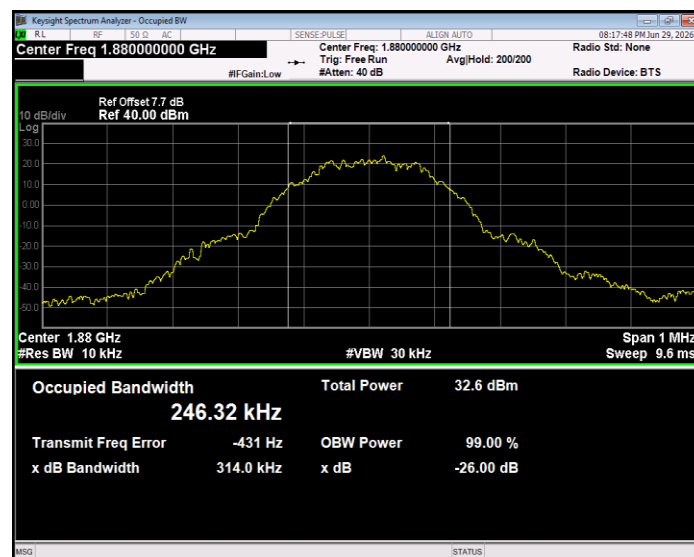
GPRS850 Channel=251



GSM1900 Channel=512



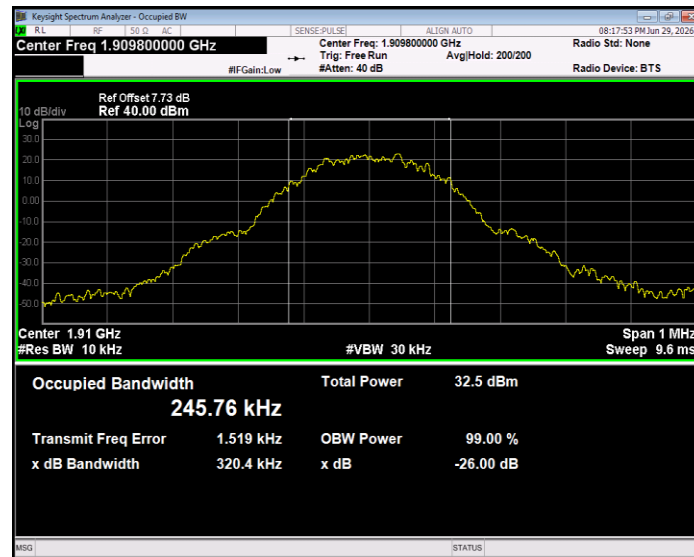
GSM1900 Channel=661



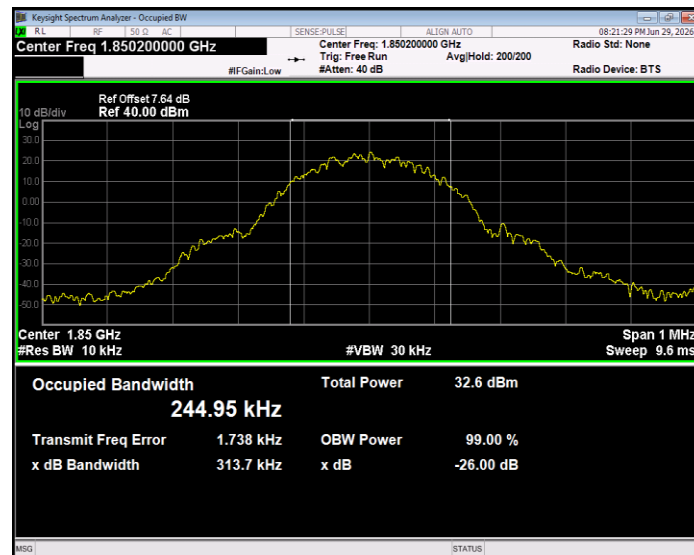


Report

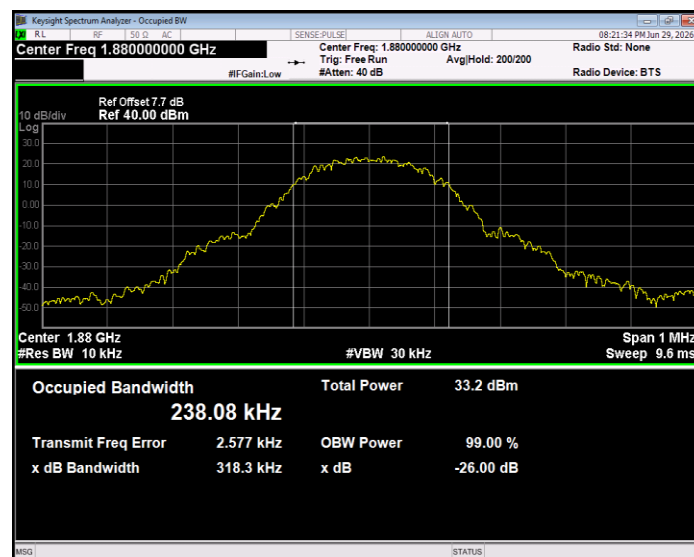
GSM1900 Channel=810



GPRS1900 Channel=512



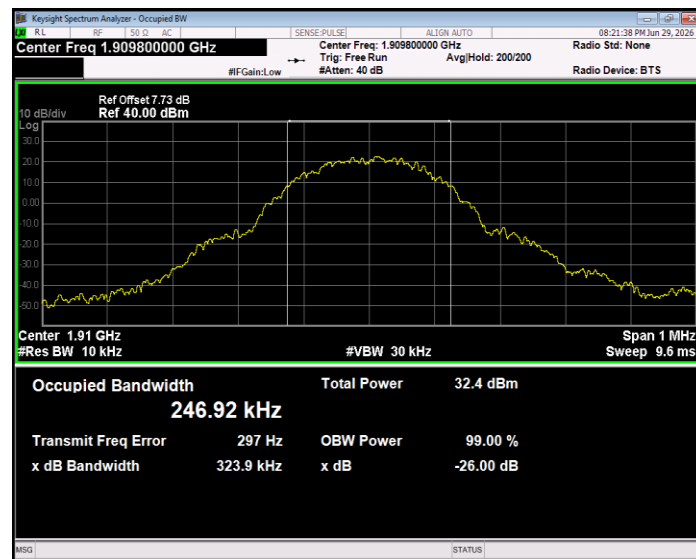
GPRS1900 Channel=661





Report

GPRS1900 Channel=810



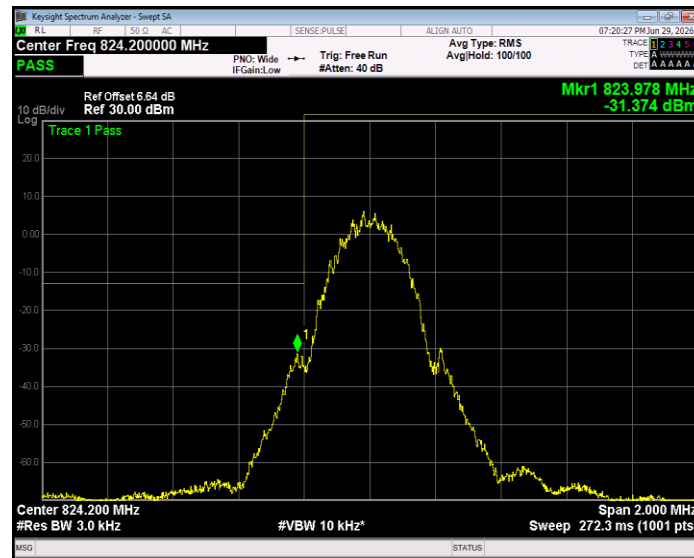


Report

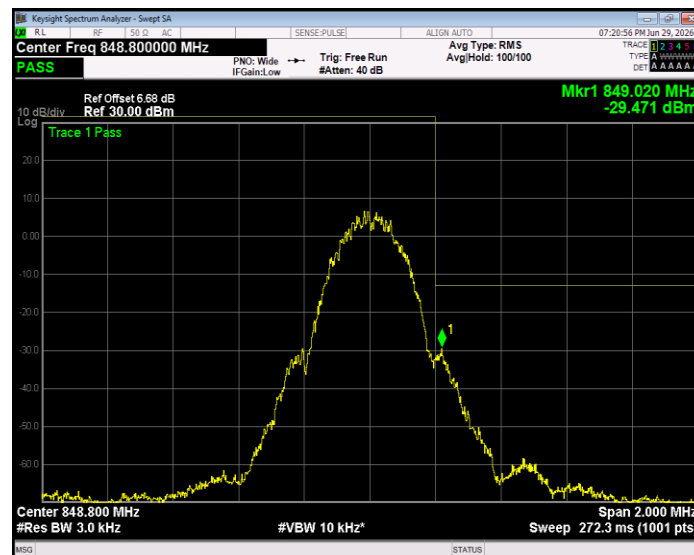
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	823.98	-31.37	-13	PASS
GSM850	251	848.8	849.02	-29.47	-13	PASS
GPRS850	128	824.2	823.98	-30.79	-13	PASS
GPRS850	251	848.8	849.02	-28.58	-13	PASS
GSM1900	512	1850.2	1849.98	-33.26	-13	PASS
GSM1900	810	1909.8	1910.01	-33.14	-13	PASS
GPRS1900	512	1850.2	1849.98	-33.07	-13	PASS
GPRS1900	810	1909.8	1910.02	-31.74	-13	PASS

GSM850 Channel=128



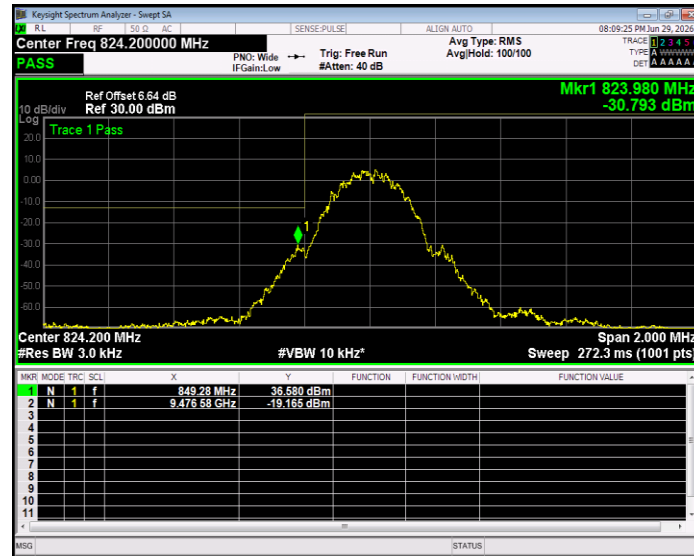
GSM850 Channel=251



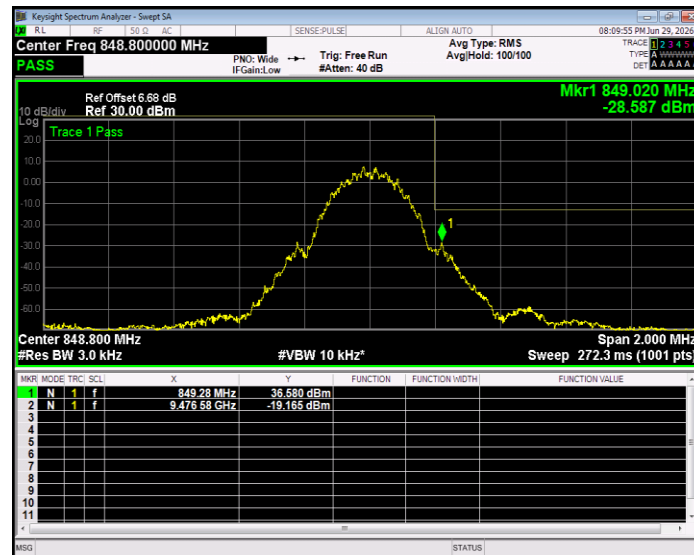
GPRS850 Channel=128



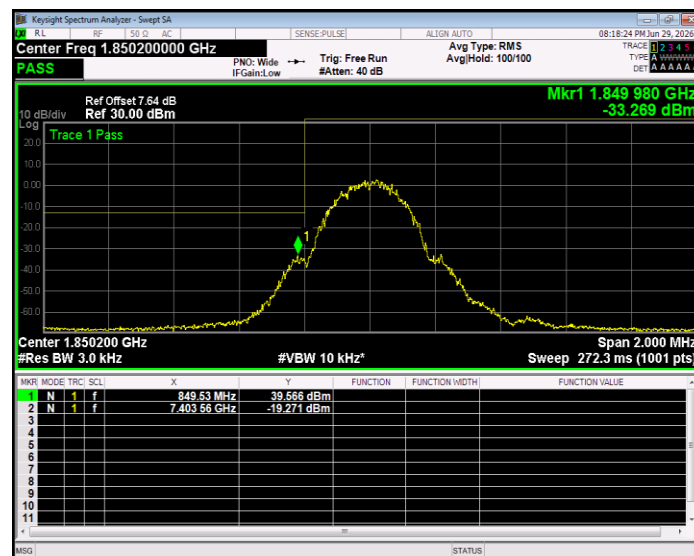
Report



GPRS850 Channel=251



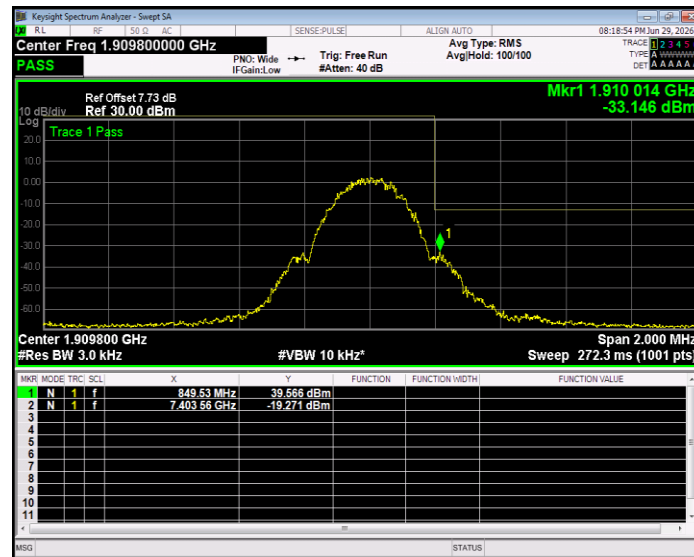
GSM1900 Channel=512



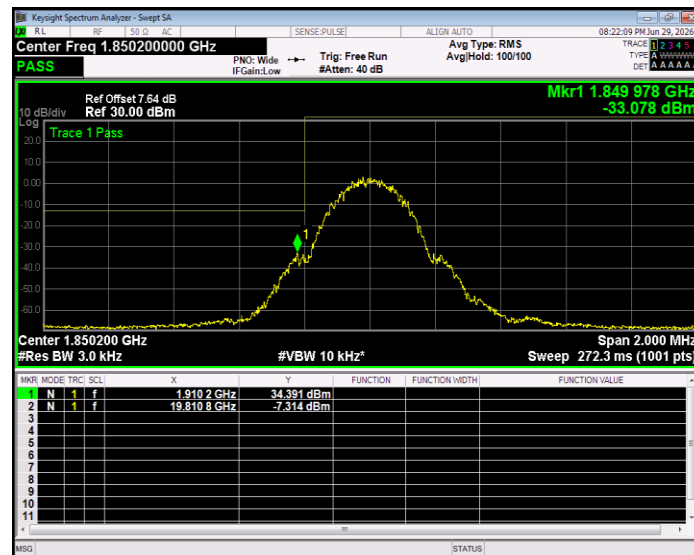


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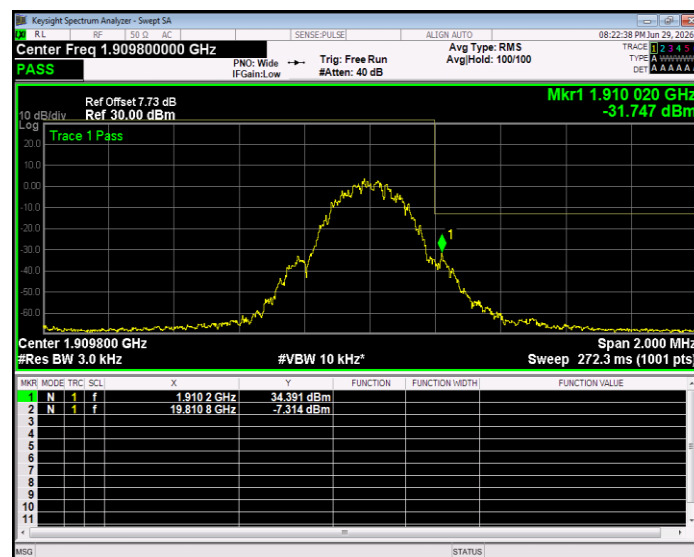
GSM1900 Channel=810



GPRS1900 Channel=512



GPRS1900 Channel=810





Report

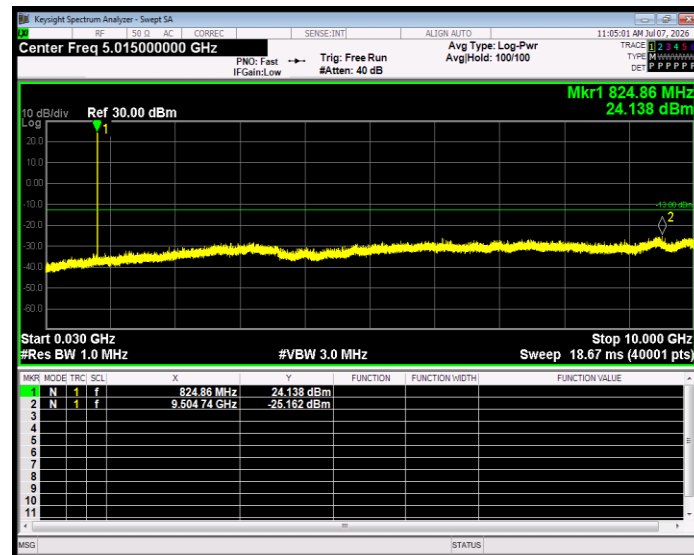


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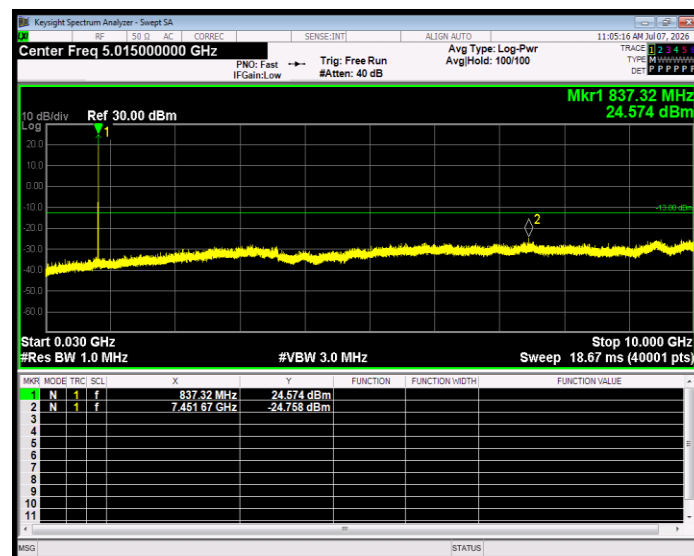
Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GSM850	128	824.2	9504.74	-25.16	-13	PASS
GSM850	190	836.6	7451.67	-24.75	-13	PASS
GSM850	251	848.8	9423.73	-23.99	-13	PASS
GPRS850	128	824.2	9921.98	-19.01	-13	PASS
GPRS850	190	836.6	3152.85	-18.27	-13	PASS
GPRS850	251	848.8	9906.78	-19.59	-13	PASS
GSM1900	512	1850.2	19193.71	-14.24	-13	PASS
GSM1900	661	1880	19965.55	-13.56	-13	PASS
GSM1900	810	1909.8	19963.06	-14.07	-13	PASS
GPRS1900	512	1850.2	16546.19	-13.82	-13	PASS
GPRS1900	661	1880	16427.37	-13.94	-13	PASS
GPRS1900	810	1909.8	19906.14	-13.36	-13	PASS

GSM850 Channel=128



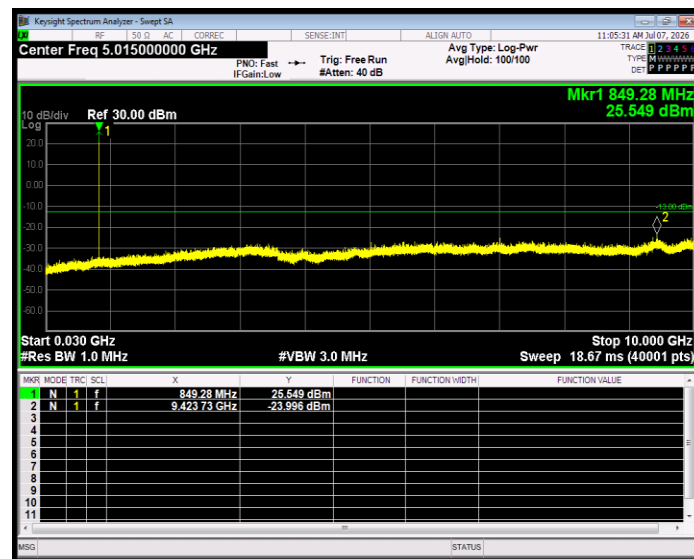
GSM850 Channel=190



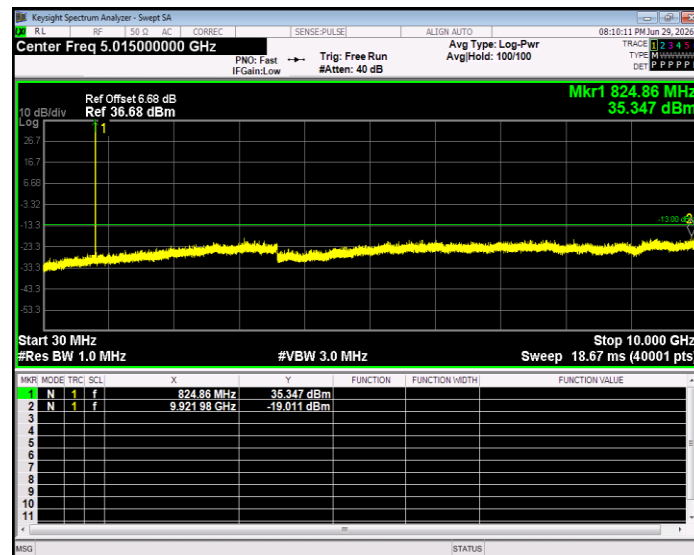


Report

GSM850 Channel=251



GPRS850 Channel=128



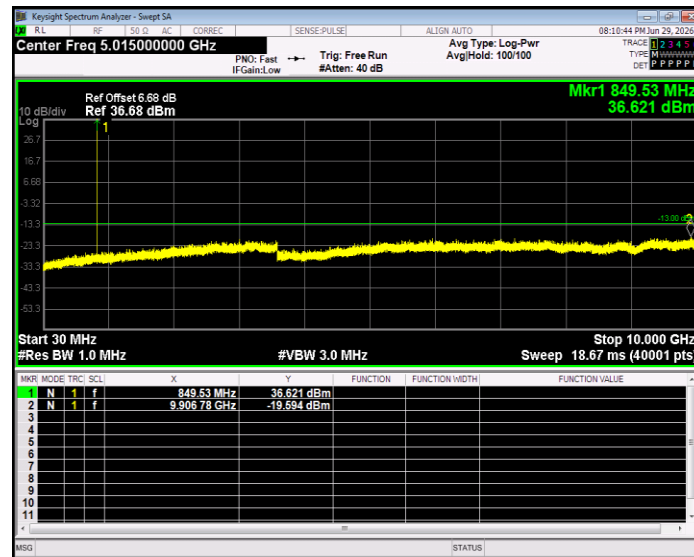
GPRS850 Channel=190



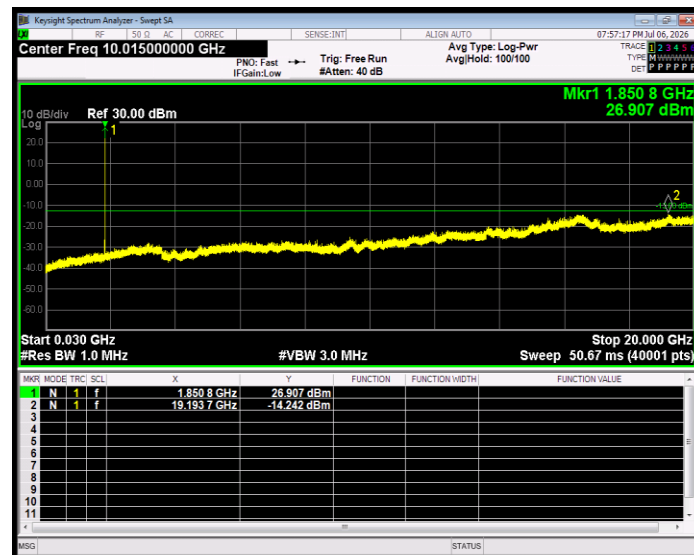


Report

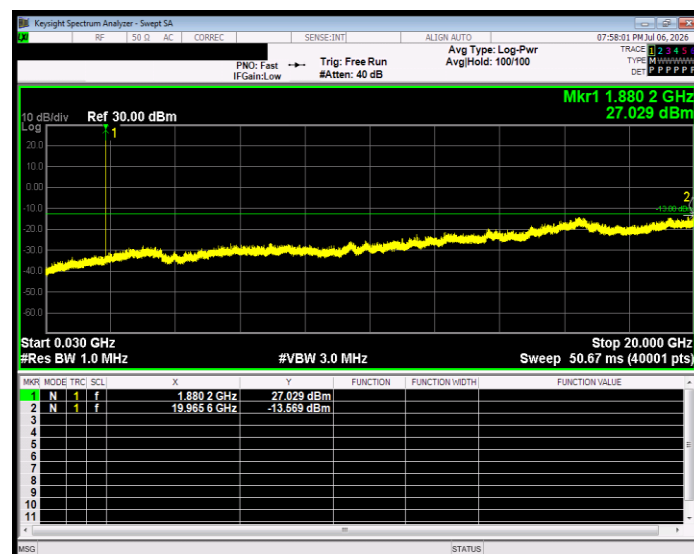
GPRS850 Channel=251



GSM1900 Channel=512



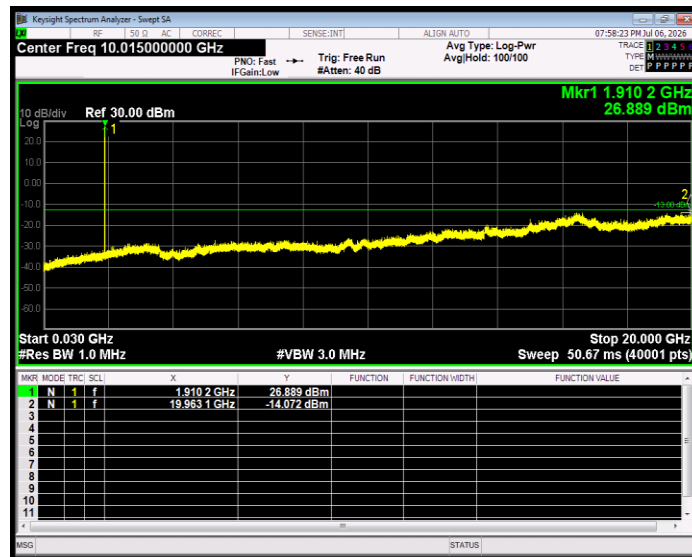
GSM1900 Channel=661



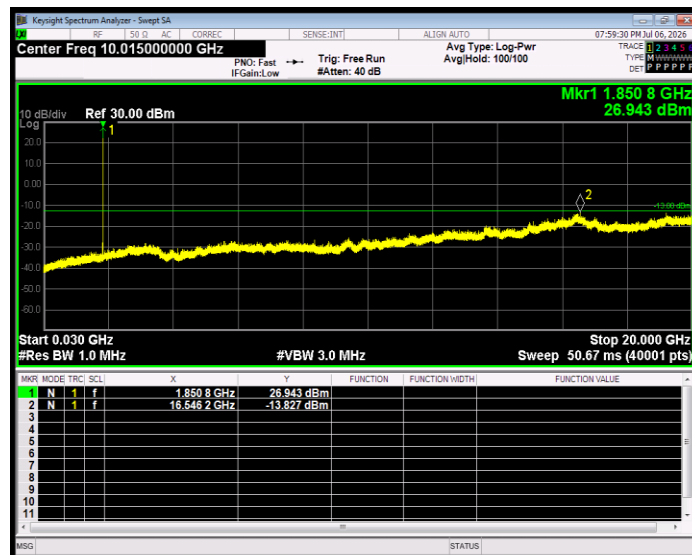


Report

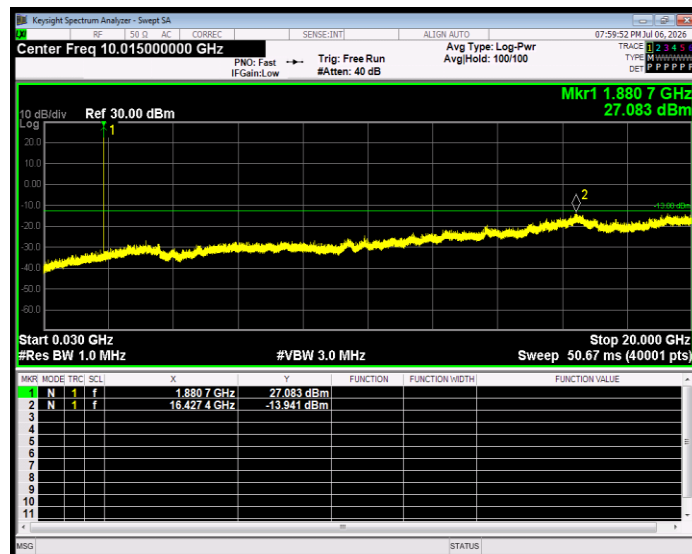
GSM1900 Channel=810



GPRS1900 Channel=512



GPRS1900 Channel=661





Report

GPRS1900 Channel=810

