



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	33.89	0	31.74	38.45	PASS
GPRS850 1 Slot	190	836.6	33.72	0	31.57	38.45	PASS
GPRS850 1 Slot	251	848.8	33.89	0	31.74	38.45	PASS
GPRS850 2 Slot	128	824.2	33.13	0	30.98	38.45	PASS
GPRS850 2 Slot	190	836.6	32.95	0	30.80	38.45	PASS
GPRS850 2 Slot	251	848.8	33.12	0	30.97	38.45	PASS
GPRS850 3 Slot	128	824.2	31.30	0	29.15	38.45	PASS
GPRS850 3 Slot	190	836.6	31.09	0	28.94	38.45	PASS
GPRS850 3 Slot	251	848.8	31.25	0	29.10	38.45	PASS
GPRS850 4 Slot	128	824.2	30.16	0	28.01	38.45	PASS
GPRS850 4 Slot	190	836.6	29.98	0	27.83	38.45	PASS
GPRS850 4 Slot	251	848.8	30.09	0	27.94	38.45	PASS
EGPRS850 1 Slot	128	824.2	28.06	0	25.91	38.45	PASS
EGPRS850 1 Slot	190	836.6	27.69	0	25.54	38.45	PASS
EGPRS850 1 Slot	251	848.8	27.42	0	25.27	38.45	PASS
EGPRS850 2 Slot	128	824.2	27.08	0	24.93	38.45	PASS
EGPRS850 2 Slot	190	836.6	27.02	0	24.87	38.45	PASS
EGPRS850 2 Slot	251	848.8	26.87	0	24.72	38.45	PASS
EGPRS850 3 Slot	128	824.2	25.48	0	23.33	38.45	PASS
EGPRS850 3 Slot	190	836.6	25.07	0	22.92	38.45	PASS
EGPRS850 3 Slot	251	848.8	25.01	0	22.86	38.45	PASS
EGPRS850 4 Slot	128	824.2	24.23	0	22.08	38.45	PASS
EGPRS850 4 Slot	190	836.6	23.76	0	21.61	38.45	PASS
EGPRS850 4 Slot	251	848.8	23.49	0	21.34	38.45	PASS



Report

Band	Channel	Frequency (MHz)	Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
GPRS1900 1 Slot	512	1850.2	30.84	0.31	31.15	33.01	PASS
GPRS1900 1 Slot	661	1880	30.87	0.31	31.18	33.01	PASS
GPRS1900 1 Slot	810	1909.8	30.59	0.31	30.90	33.01	PASS
GPRS1900 2 Slot	512	1850.2	30.12	0.31	30.43	33.01	PASS
GPRS1900 2 Slot	661	1880	30.15	0.31	30.46	33.01	PASS
GPRS1900 2 Slot	810	1909.8	29.89	0.31	30.20	33.01	PASS
GPRS1900 3 Slot	512	1850.2	28.33	0.31	28.64	33.01	PASS
GPRS1900 3 Slot	661	1880	28.39	0.31	28.70	33.01	PASS
GPRS1900 3 Slot	810	1909.8	28.18	0.31	28.49	33.01	PASS
GPRS1900 4 Slot	512	1850.2	27.22	0.31	27.53	33.01	PASS
GPRS1900 4 Slot	661	1880	27.30	0.31	27.61	33.01	PASS
GPRS1900 4 Slot	810	1909.8	27.11	0.31	27.42	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	27.46	0.31	27.77	33.01	PASS
EGPRS1900 1 Slot	661	1880	27.05	0.31	27.36	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	27.88	0.31	28.19	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	26.63	0.31	26.94	33.01	PASS
EGPRS1900 2 Slot	661	1880	26.70	0.31	27.01	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	26.68	0.31	26.99	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	25.10	0.31	25.41	33.01	PASS
EGPRS1900 3 Slot	661	1880	24.36	0.31	24.67	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	24.76	0.31	25.07	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	23.92	0.31	24.23	33.01	PASS
EGPRS1900 4 Slot	661	1880	23.54	0.31	23.85	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	23.34	0.31	23.65	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	-0.56	-0.001	2.5ppm	PASS
40		-0.62	-0.001		
30		-0.61	-0.001		
20		-2.49	-0.003		
10		-0.30	0.000		
0		-0.66	-0.001		
-10		0.67	0.001		
-20		0.54	0.001		
-30		-0.28	0.000		
20	Maximum Voltage	-0.57	-0.001		
20	BEP	0.53	0.001		

EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	1.27	0.002	2.5ppm	PASS
40		1.31	0.002		
30		-1.64	-0.002		
20		1.29	0.002		
10		-1.54	-0.002		
0		-1.63	-0.002		
-10		-1.53	-0.002		
-20		1.61	0.002		
-30		1.62	0.002		
20	Maximum Voltage	-1.67	-0.002		
20	BEP	-1.57	-0.002		



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GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	5.12	0.003	Within Authorized Band	PASS
40		5.00	0.003		
30		4.86	0.003		
20		8.04	0.004		
10		-5.09	-0.003		
0		4.85	0.003		
-10		-5.09	-0.003		
-20		4.82	0.003		
-30		-5.11	-0.003		
20	Maximum Voltage	5.13	0.003		
20	BEP	-4.96	-0.003		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	6.01	0.003	Within Authorized Band	PASS
40		-6.41	-0.003		
30		6.14	0.003		
20		10.72	0.006		
10		6.28	0.003		
0		-5.94	-0.003		
-10		6.22	0.003		
-20		6.33	0.003		
-30		-6.48	-0.003		
20	Maximum Voltage	-6.32	-0.003		
20	BEP	-6.47	-0.003		

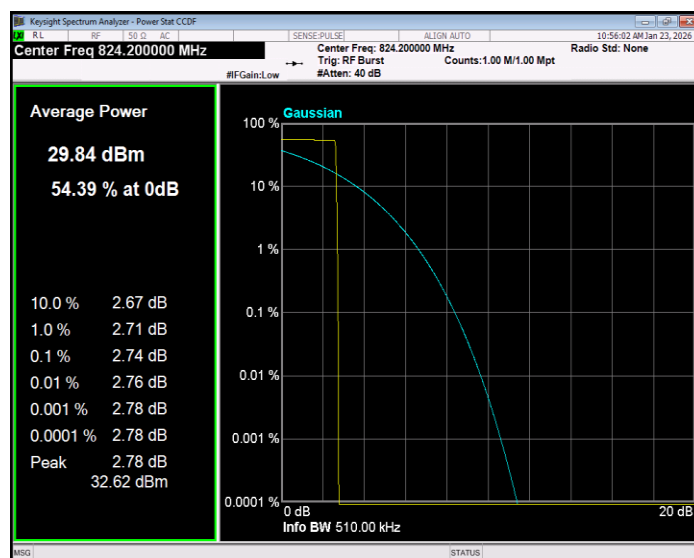


Report

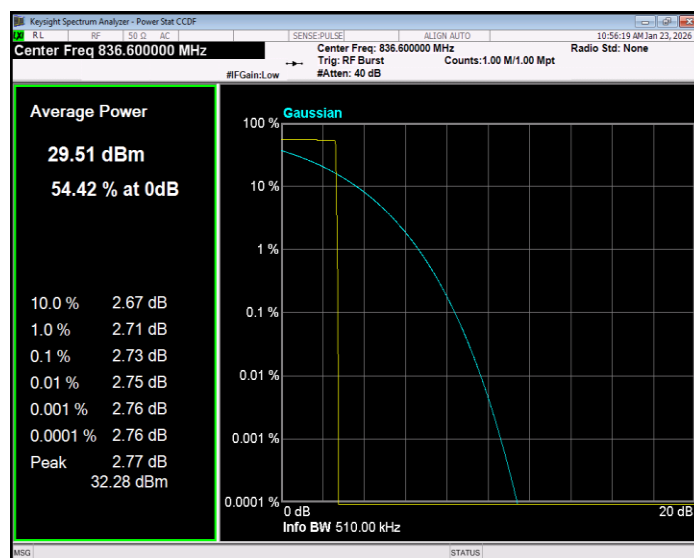
Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS850	128	824.2	2.74	13	PASS
GPRS850	190	836.6	2.73	13	PASS
GPRS850	251	848.8	2.74	13	PASS
EGPRS850	128	824.2	9.29	13	PASS
EGPRS850	190	836.6	7.72	13	PASS
EGPRS850	251	848.8	9.31	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
EGPRS1900	512	1850.2	5.83	13	PASS
EGPRS1900	661	1880	5.61	13	PASS
EGPRS1900	810	1909.8	5.66	13	PASS

GPRS850 Channel=128



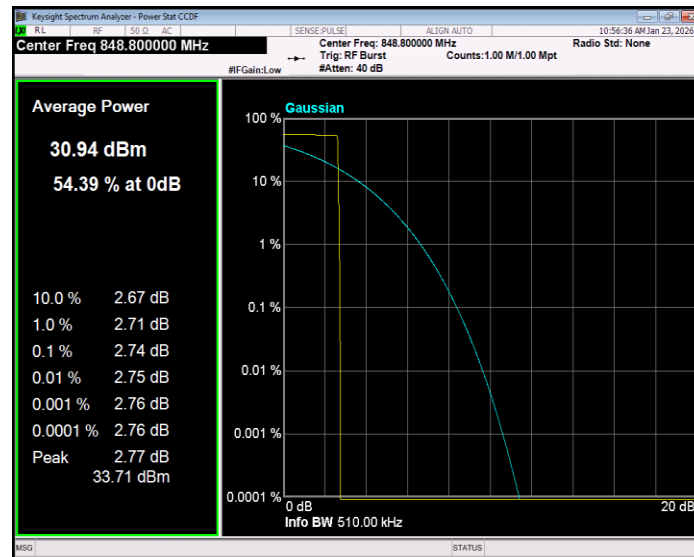
GPRS850 Channel=190





Report

GPRS850 Channel=251



EGPRS850 Channel=128



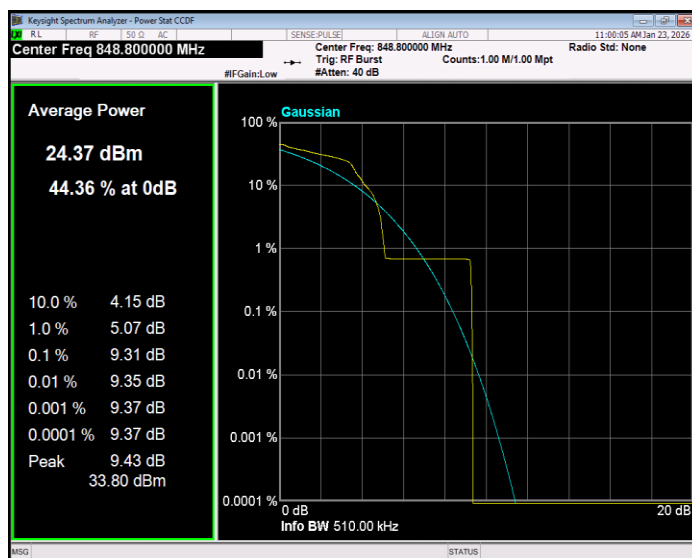
EGPRS850 Channel=190



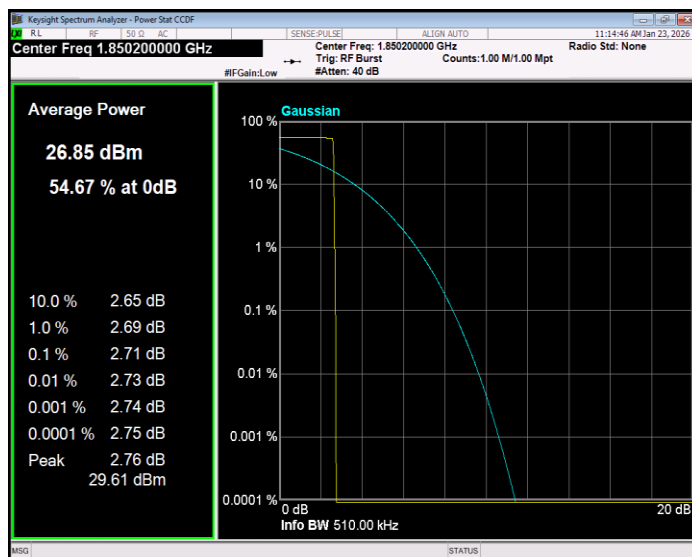


Report

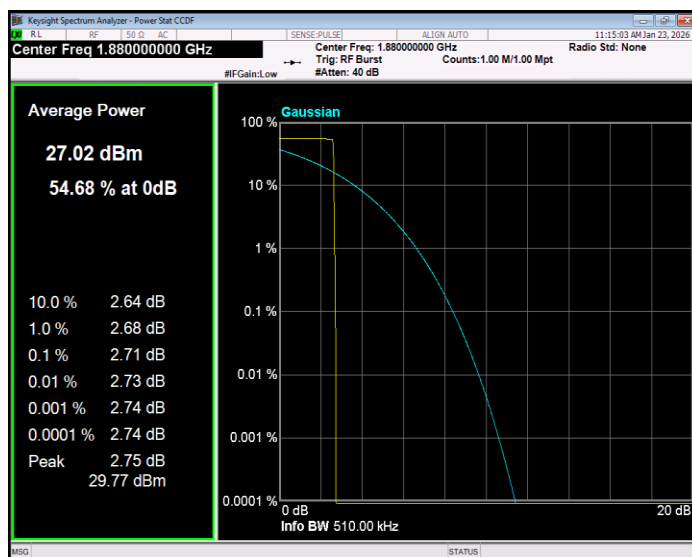
EGPRS850 Channel=251



GPRS1900 Channel=512



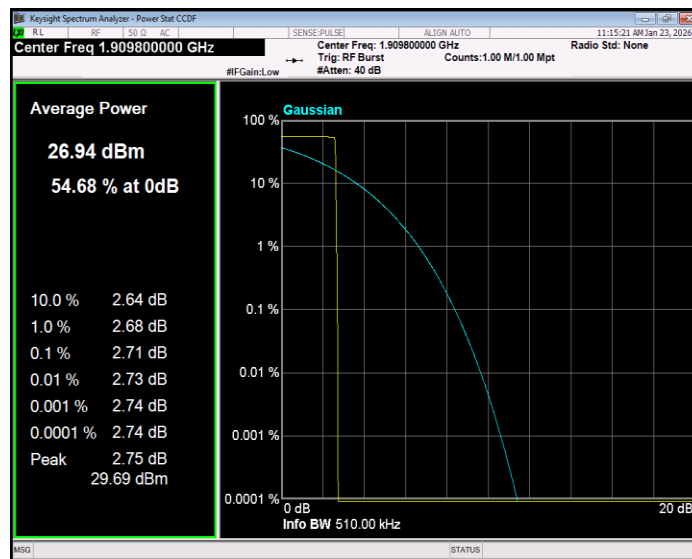
GPRS1900 Channel=661



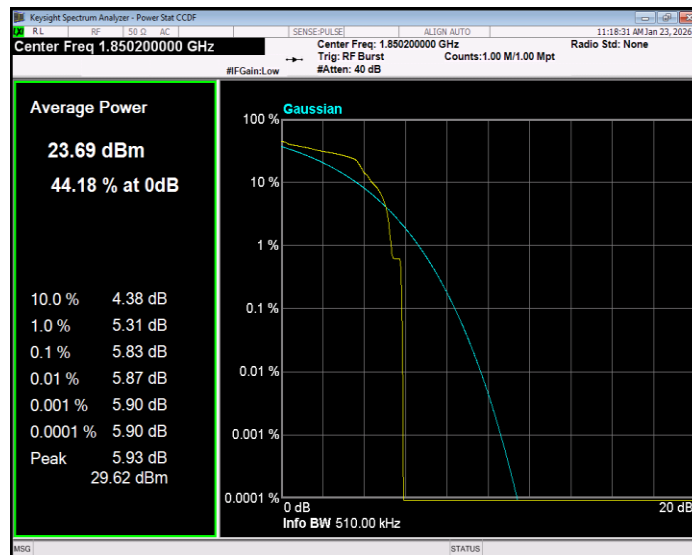


Report

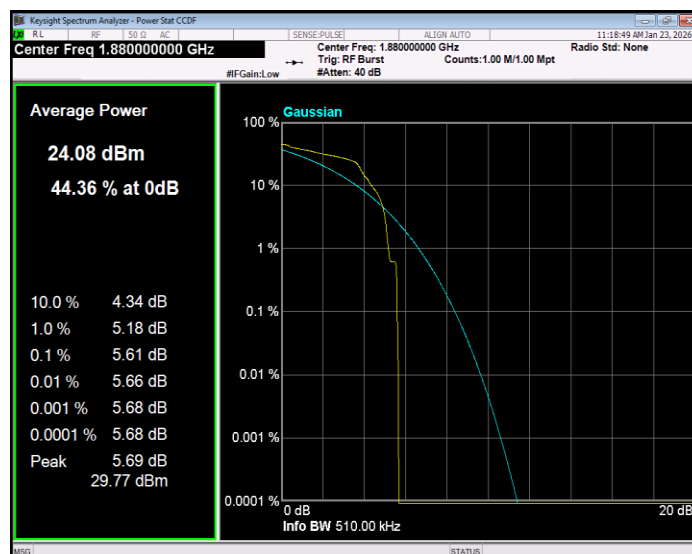
GPRS1900 Channel=810



EGPRS1900 Channel=512



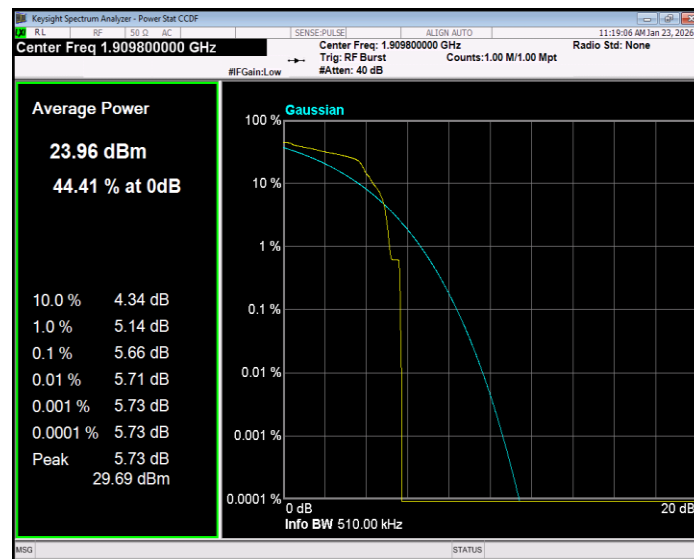
EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810



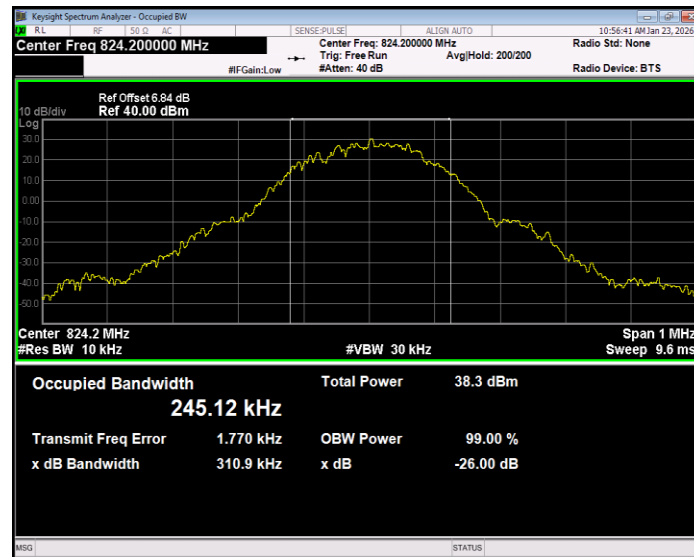


Report

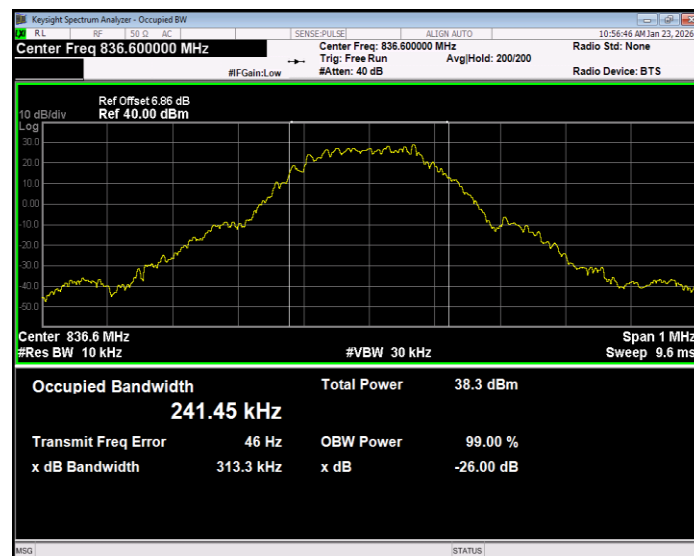
Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS850	128	824.2	245.117	310.907	PASS
GPRS850	190	836.6	241.448	313.309	PASS
GPRS850	251	848.8	248.521	325.464	PASS
EGPRS850	128	824.2	231.572	289.190	PASS
EGPRS850	190	836.6	243.830	302.159	PASS
EGPRS850	251	848.8	253.107	334.665	PASS
GPRS1900	512	1850.2	242.385	311.885	PASS
GPRS1900	661	1880	249.667	316.014	PASS
GPRS1900	810	1909.8	246.804	309.289	PASS
EGPRS1900	512	1850.2	251.778	319.104	PASS
EGPRS1900	661	1880	256.328	317.061	PASS
EGPRS1900	810	1909.8	262.718	327.089	PASS

GPRS850 Channel=128



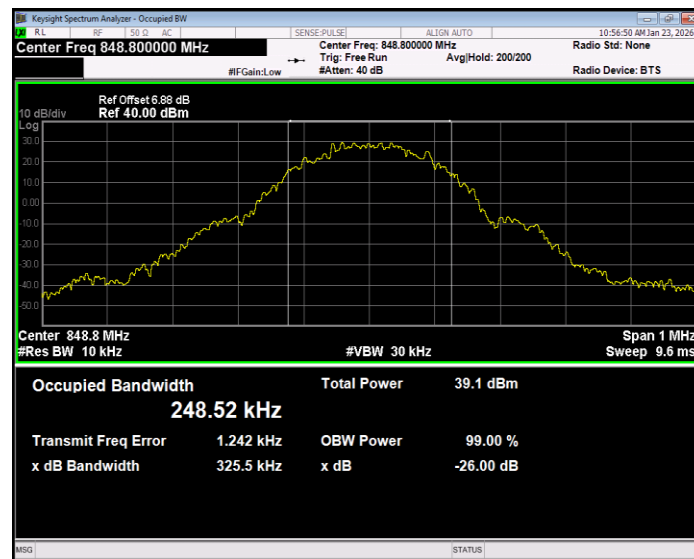
GPRS850 Channel=190



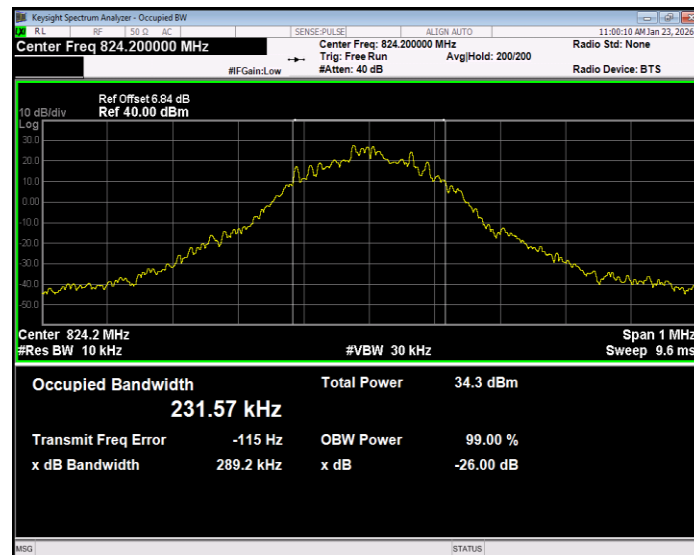


Report

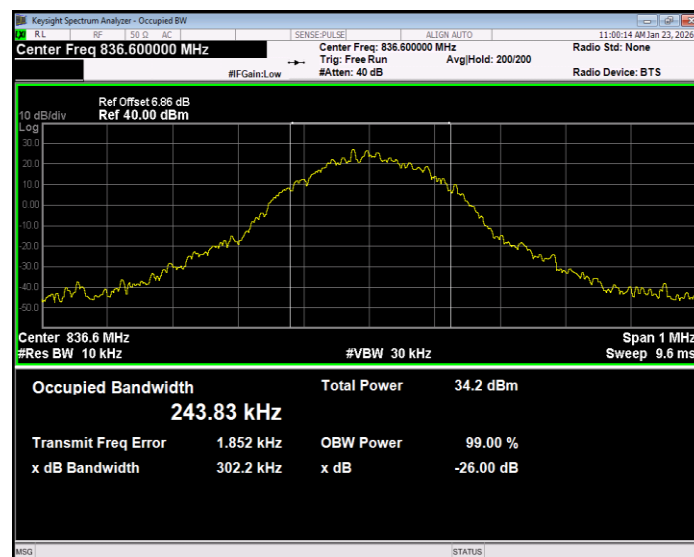
GPRS850 Channel=251



EGPRS850 Channel=128



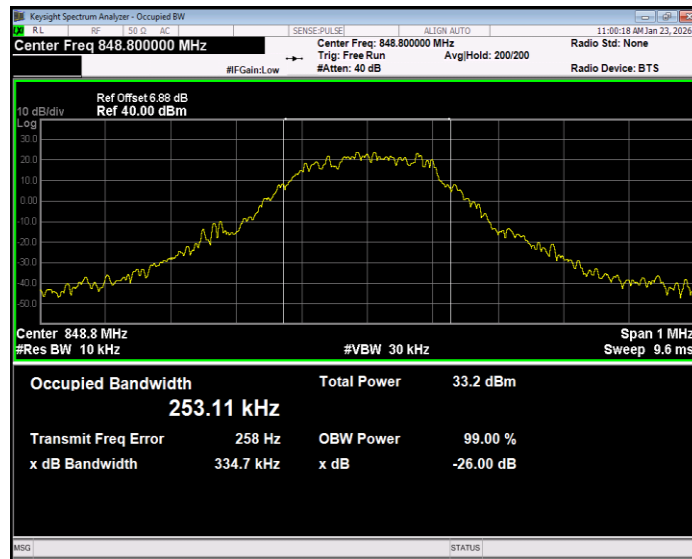
EGPRS850 Channel=190



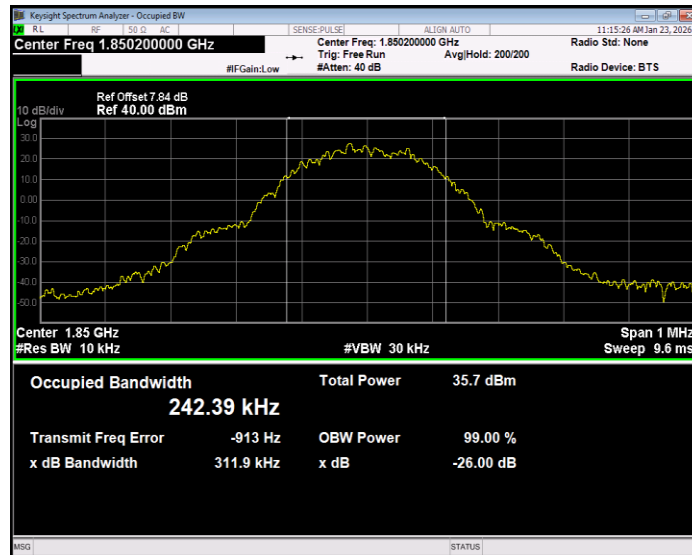


Report

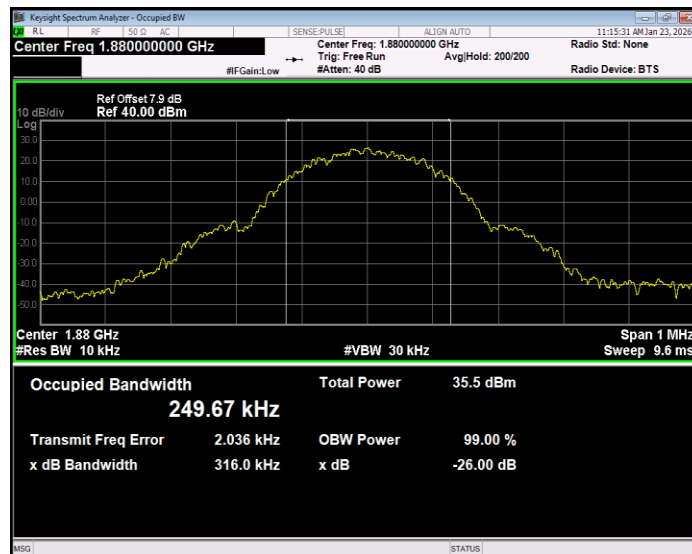
EGPRS850 Channel=251



GPRS1900 Channel=512



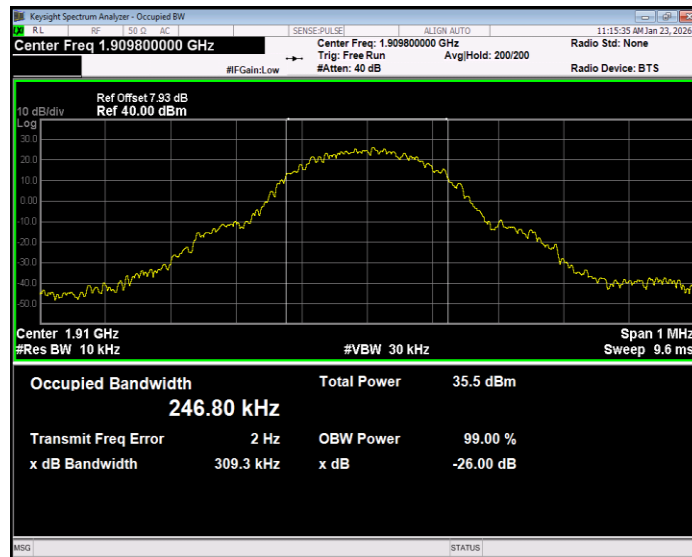
GPRS1900 Channel=661



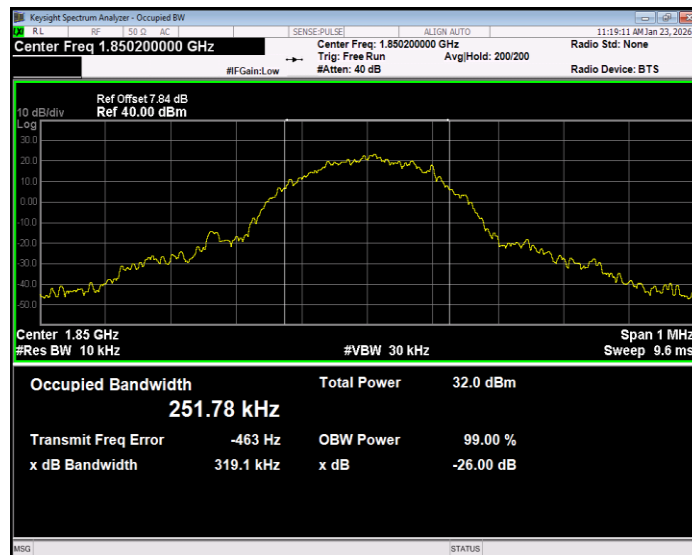


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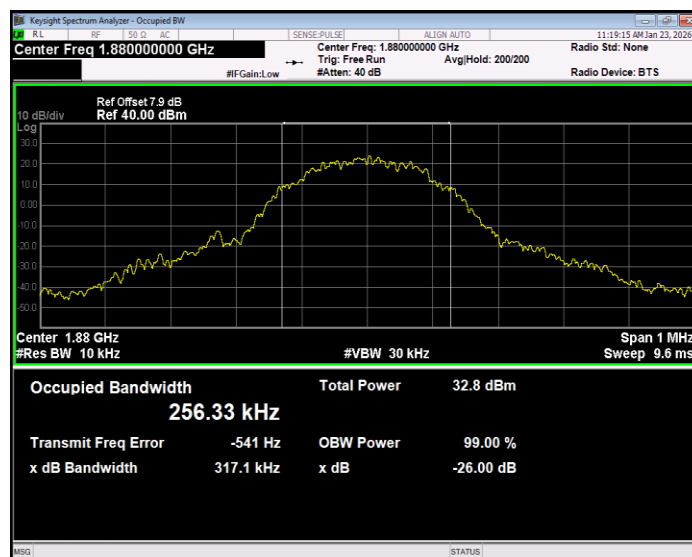
GPRS1900 Channel=810



EGPRS1900 Channel=512



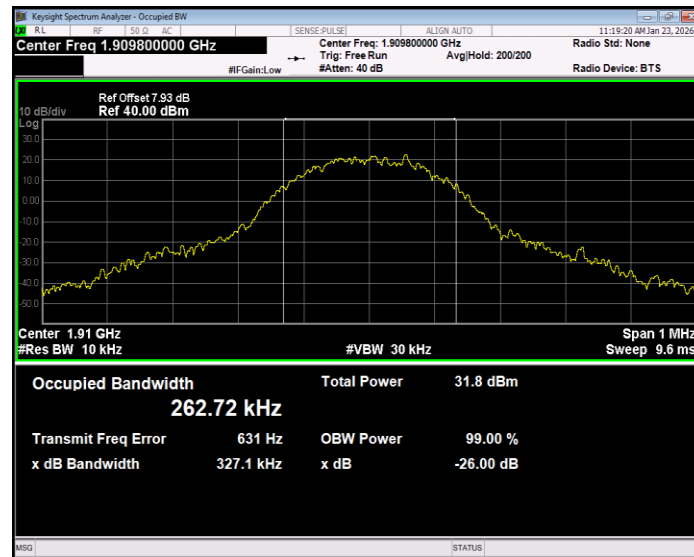
EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810



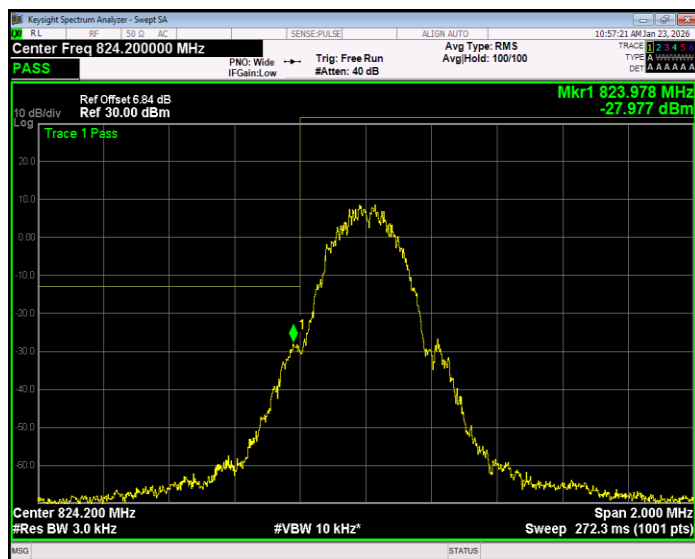


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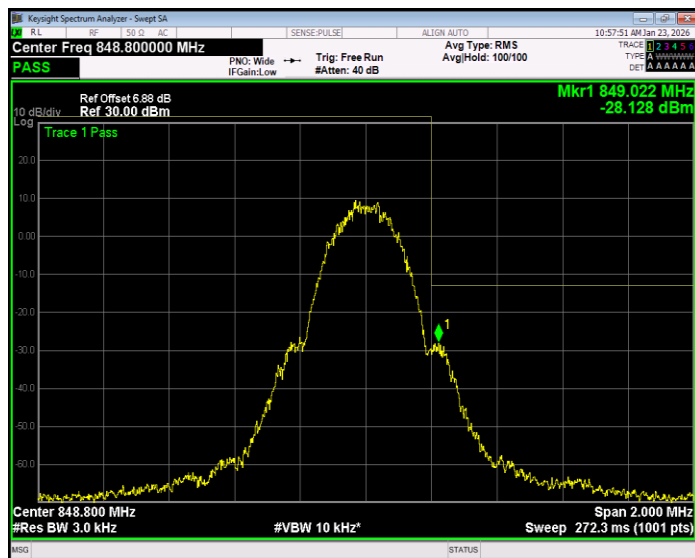
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	823.98	-27.97	-13	PASS
GPRS850	251	848.8	849.02	-28.12	-13	PASS
EGPRS850	128	824.2	823.99	-35.29	-13	PASS
EGPRS850	251	848.8	849.00	-34.37	-13	PASS
GPRS1900	512	1850.2	1849.98	-30.01	-13	PASS
GPRS1900	810	1909.8	1910.01	-31.92	-13	PASS
EGPRS1900	512	1850.2	1849.97	-36.99	-13	PASS
EGPRS1900	810	1909.8	1910.00	-36.41	-13	PASS

GPRS850 Channel=128



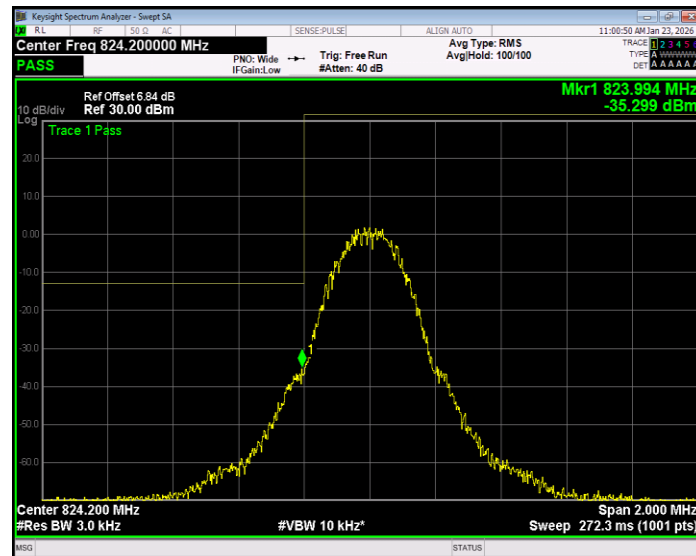
GPRS850 Channel=251



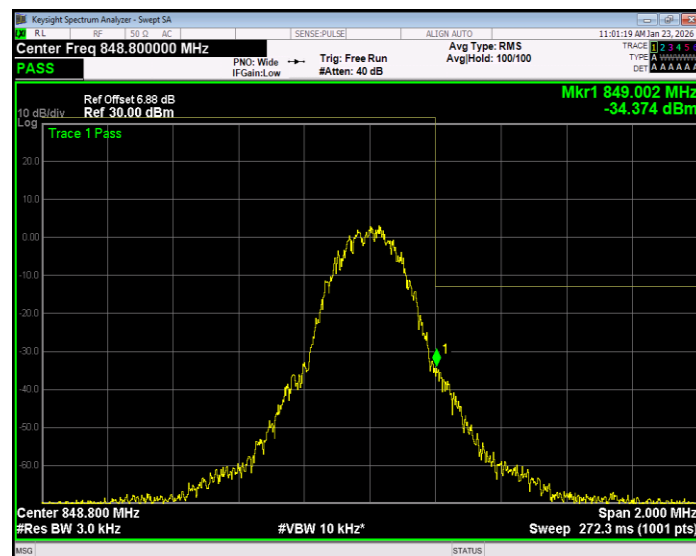
EGPRS850 Channel=128



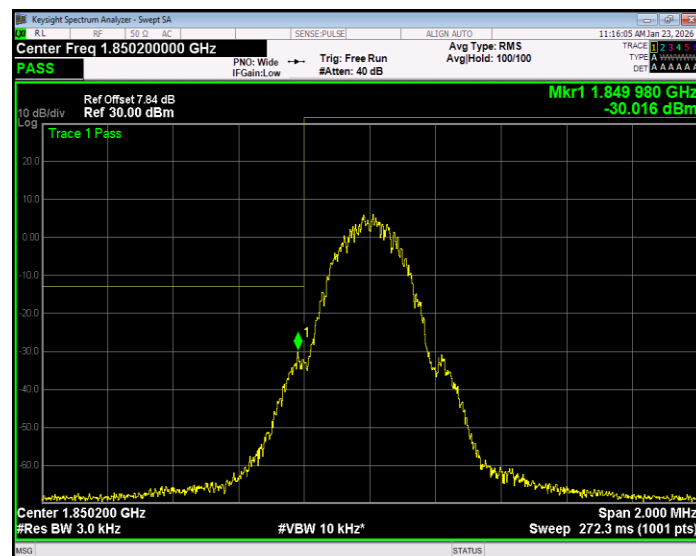
Report



EGPRS850 Channel=251



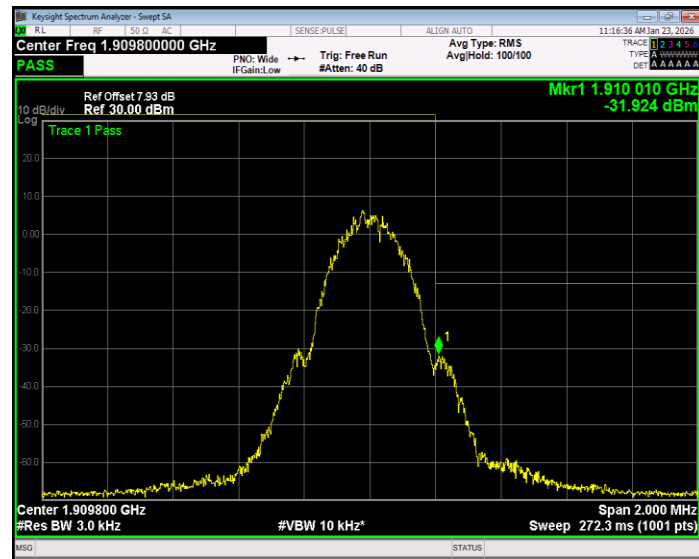
GPRS1900 Channel=512



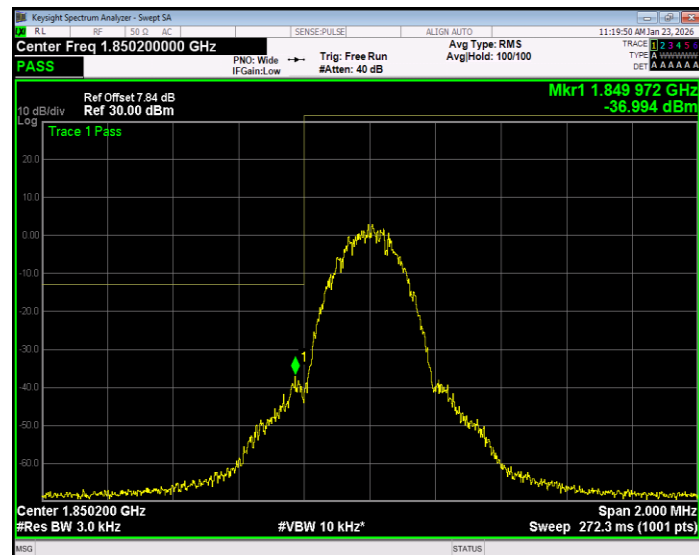


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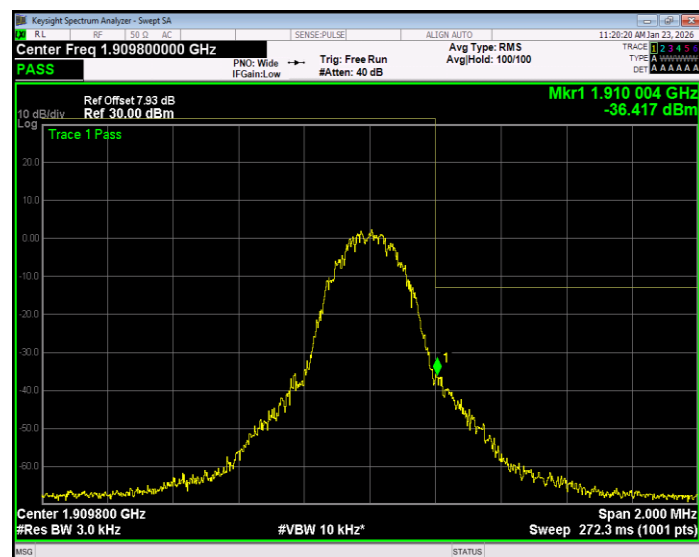
GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=810



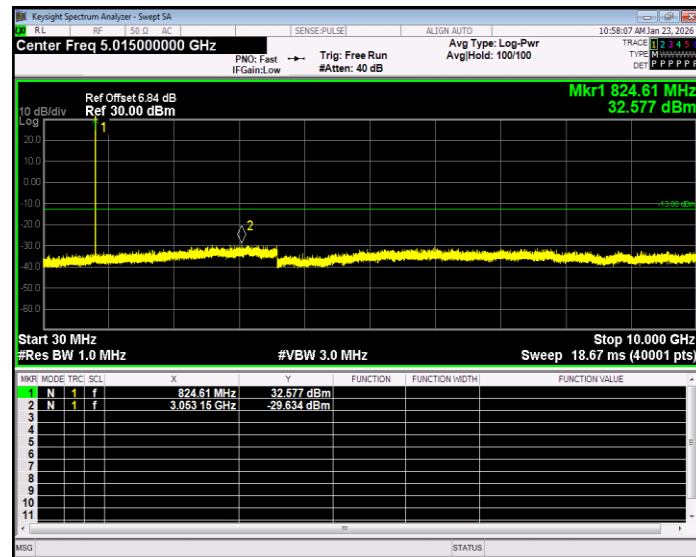


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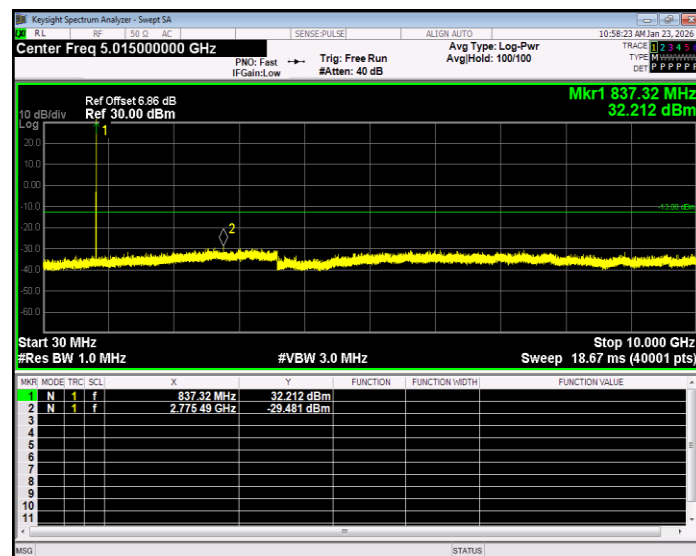
Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	3053.15	-29.63	-13	PASS
GPRS850	190	836.6	2775.49	-29.48	-13	PASS
GPRS850	251	848.8	3116.96	-29.11	-13	PASS
EGPRS850	128	824.2	3126.18	-29.22	-13	PASS
EGPRS850	190	836.6	2614.22	-29.33	-13	PASS
EGPRS850	251	848.8	3172.54	-29.54	-13	PASS
GPRS1900	512	1850.2	19079.88	-22.28	-13	PASS
GPRS1900	661	1880	16301.56	-24.01	-13	PASS
GPRS1900	810	1909.8	19419.37	-24.50	-13	PASS
EGPRS1900	512	1850.2	19776.34	-23.40	-13	PASS
EGPRS1900	661	1880	19738.39	-24.18	-13	PASS
EGPRS1900	810	1909.8	19746.38	-23.63	-13	PASS

GPRS850 Channel=128



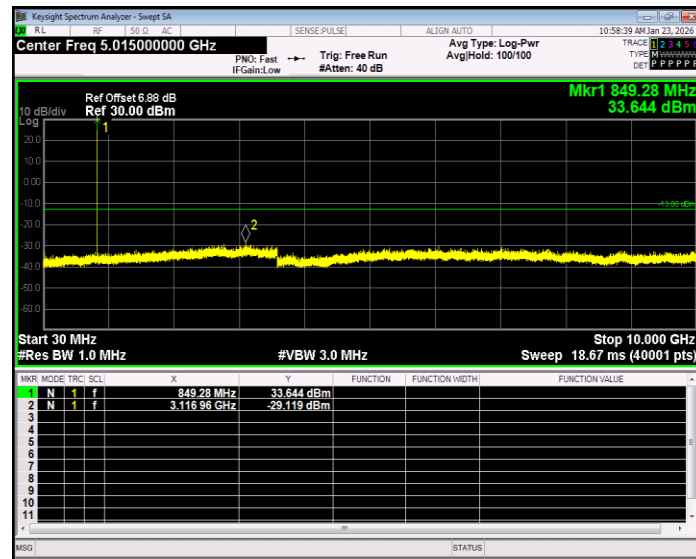
GPRS850 Channel=190



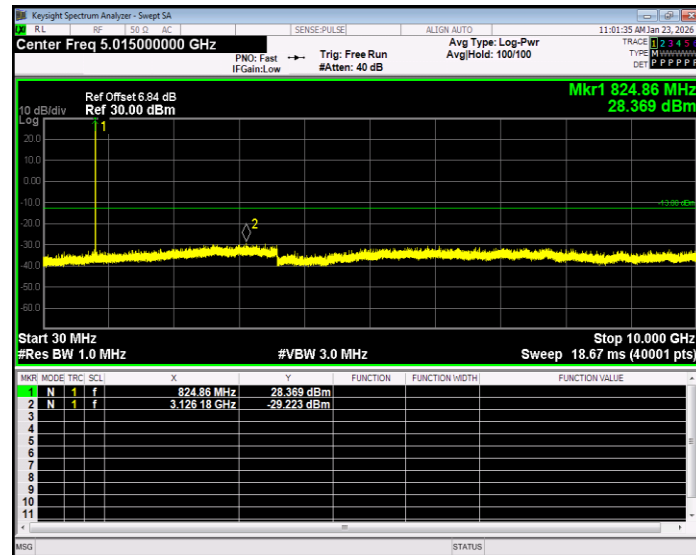


Report

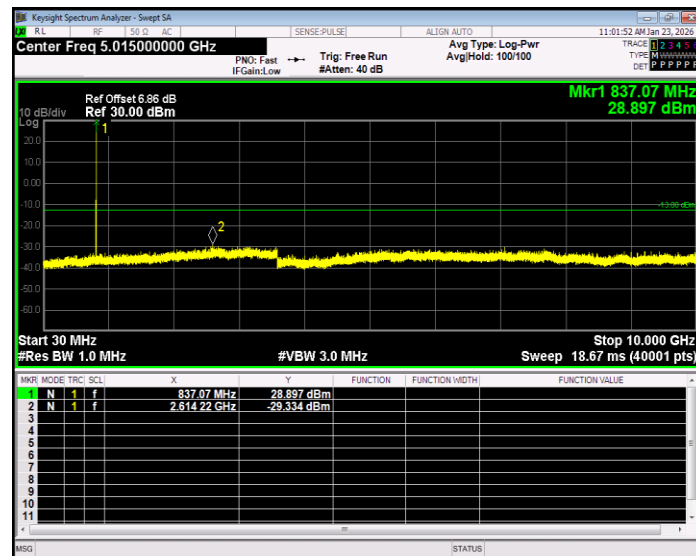
GPRS850 Channel=251



EGPRS850 Channel=128



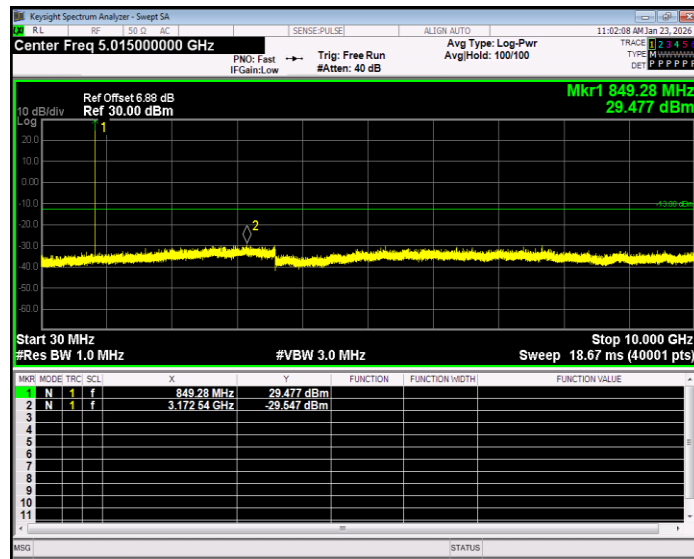
EGPRS850 Channel=190



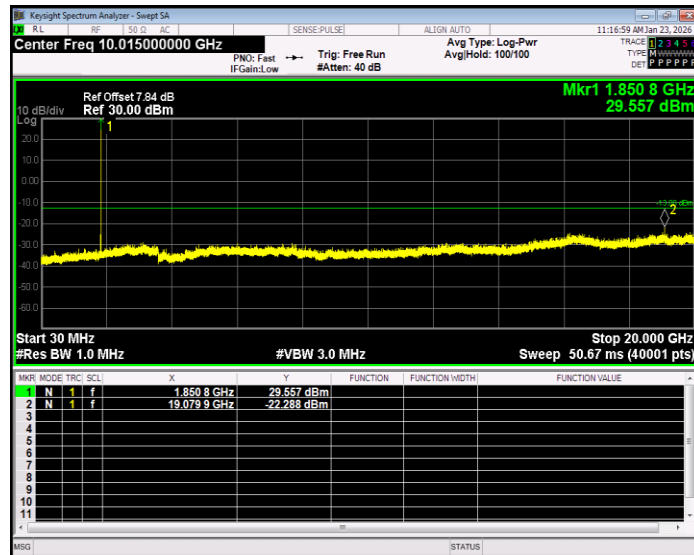


Report

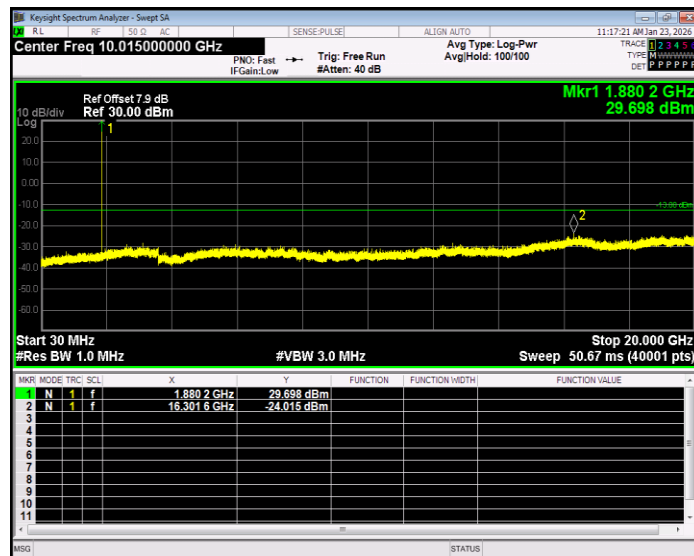
EGPRS850 Channel=251



GPRS1900 Channel=512



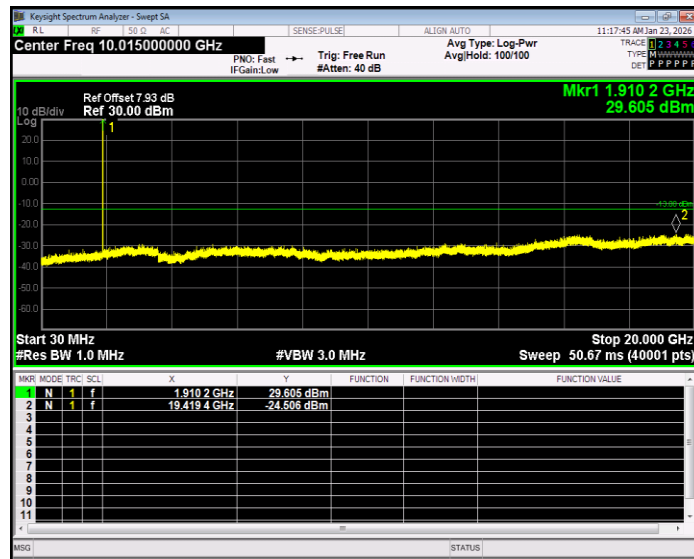
GPRS1900 Channel=661



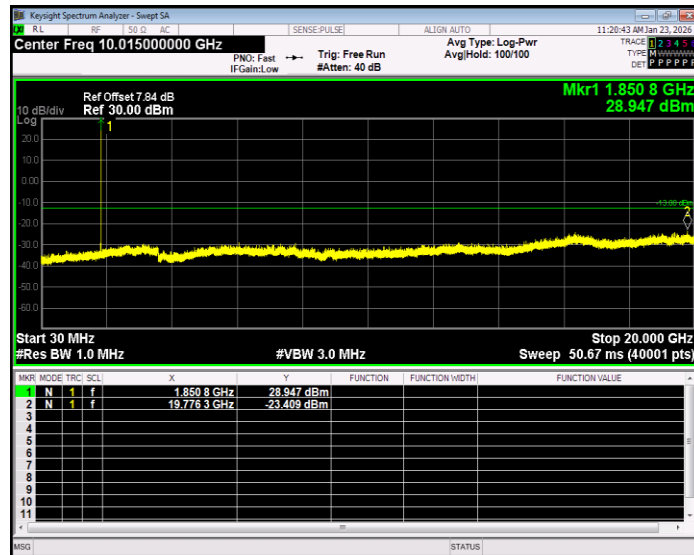


Report

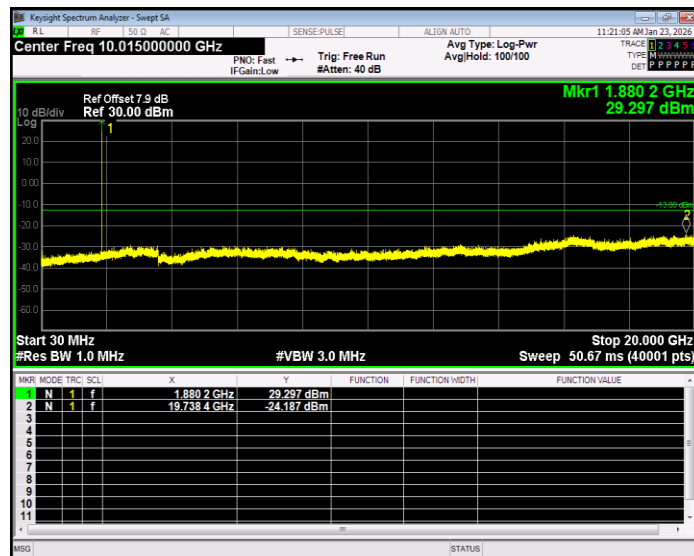
GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810

