



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	30.30	-0.72	27.43	38.45	PASS
GPRS850 1 Slot	190	836.6	30.32	-0.72	27.45	38.45	PASS
GPRS850 1 Slot	251	848.8	0.00	-0.72	-2.87	38.45	PASS
GPRS850 2 Slot	128	824.2	0.00	-0.72	-2.87	38.45	PASS
GPRS850 2 Slot	190	836.6	30.33	-0.72	27.46	38.45	PASS
GPRS850 2 Slot	251	848.8	29.33	-0.72	26.46	38.45	PASS
GPRS850 3 Slot	128	824.2	26.94	-0.72	24.07	38.45	PASS
GPRS850 3 Slot	190	836.6	26.92	-0.72	24.05	38.45	PASS
GPRS850 3 Slot	251	848.8	26.81	-0.72	23.94	38.45	PASS
GPRS850 4 Slot	128	824.2	25.21	-0.72	22.34	38.45	PASS
GPRS850 4 Slot	190	836.6	25.23	-0.72	22.36	38.45	PASS
GPRS850 4 Slot	251	848.8	25.12	-0.72	22.25	38.45	PASS
EGPRS850 1 Slot	128	824.2	23.69	-0.72	20.82	38.45	PASS
EGPRS850 1 Slot	190	836.6	23.43	-0.72	20.56	38.45	PASS
EGPRS850 1 Slot	251	848.8	23.25	-0.72	20.38	38.45	PASS
EGPRS850 2 Slot	128	824.2	21.76	-0.72	18.89	38.45	PASS
EGPRS850 2 Slot	190	836.6	22.27	-0.72	19.40	38.45	PASS
EGPRS850 2 Slot	251	848.8	22.63	-0.72	19.76	38.45	PASS
EGPRS850 3 Slot	128	824.2	19.88	-0.72	17.01	38.45	PASS
EGPRS850 3 Slot	190	836.6	19.99	-0.72	17.12	38.45	PASS
EGPRS850 3 Slot	251	848.8	19.83	-0.72	16.96	38.45	PASS
EGPRS850 4 Slot	128	824.2	18.52	-0.72	15.65	38.45	PASS
EGPRS850 4 Slot	190	836.6	18.84	-0.72	15.97	38.45	PASS
EGPRS850 4 Slot	251	848.8	18.45	-0.72	15.58	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	27.15	1.62	28.77	33.01	PASS
GPRS1900 1 Slot	661	1880	27.09	1.62	28.71	33.01	PASS
GPRS1900 1 Slot	810	1909.8	27.09	1.62	28.71	33.01	PASS
GPRS1900 2 Slot	512	1850.2	26.12	1.62	27.74	33.01	PASS
GPRS1900 2 Slot	661	1880	26.05	1.62	27.67	33.01	PASS
GPRS1900 2 Slot	810	1909.8	26.08	1.62	27.70	33.01	PASS
GPRS1900 3 Slot	512	1850.2	23.71	1.62	25.33	33.01	PASS
GPRS1900 3 Slot	661	1880	23.62	1.62	25.24	33.01	PASS
GPRS1900 3 Slot	810	1909.8	23.69	1.62	25.31	33.01	PASS
GPRS1900 4 Slot	512	1850.2	22.22	1.62	23.84	33.01	PASS
GPRS1900 4 Slot	661	1880	22.14	1.62	23.76	33.01	PASS
GPRS1900 4 Slot	810	1909.8	22.23	1.62	23.85	33.01	PASS
EGPRS1900 1 Slot	512	1850.2	21.95	1.62	23.57	33.01	PASS
EGPRS1900 1 Slot	661	1880	21.29	1.62	22.91	33.01	PASS
EGPRS1900 1 Slot	810	1909.8	21.22	1.62	22.84	33.01	PASS
EGPRS1900 2 Slot	512	1850.2	20.35	1.62	21.97	33.01	PASS
EGPRS1900 2 Slot	661	1880	20.17	1.62	21.79	33.01	PASS
EGPRS1900 2 Slot	810	1909.8	19.54	1.62	21.16	33.01	PASS
EGPRS1900 3 Slot	512	1850.2	18.67	1.62	20.29	33.01	PASS
EGPRS1900 3 Slot	661	1880	18.50	1.62	20.12	33.01	PASS
EGPRS1900 3 Slot	810	1909.8	17.53	1.62	19.15	33.01	PASS
EGPRS1900 4 Slot	512	1850.2	17.36	1.62	18.98	33.01	PASS
EGPRS1900 4 Slot	661	1880	16.87	1.62	18.49	33.01	PASS
EGPRS1900 4 Slot	810	1909.8	16.69	1.62	18.31	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	-0.81	-0.001	2.5ppm	PASS
40		0.93	0.001		
30		0.58	0.001		
20		-3.00	-0.004		
10		0.69	0.001		
0		0.41	0.000		
-10		-0.83	-0.001		
-20		0.82	0.001		
-30		0.81	0.001		
20	Maximum Voltage	-0.80	-0.001		
20	BEP	0.71	0.001		

EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	-1.97	-0.002	2.5ppm	PASS
40		-2.17	-0.003		
30		2.18	0.003		
20		2.36	0.003		
10		-2.14	-0.003		
0		-1.95	-0.002		
-10		2.12	0.003		
-20		-1.99	-0.002		
-30		1.90	0.002		
20	Maximum Voltage	-2.27	-0.003		
20	BEP	2.19	0.003		



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GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	3.23	0.002	Within Authorized Band	PASS
40		-3.28	-0.002		
30		-3.14	-0.002		
20		4.42	0.002		
10		2.92	0.002		
0		-3.21	-0.002		
-10		3.17	0.002		
-20		3.33	0.002		
-30		3.09	0.002		
20	Maximum Voltage	-2.88	-0.002		
20	BEP	-3.16	-0.002		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	4.77	0.003	Within Authorized Band	PASS
40		-4.54	-0.002		
30		4.34	0.002		
20		7.52	0.004		
10		-4.37	-0.002		
0		-4.51	-0.002		
-10		4.55	0.002		
-20		-4.58	-0.002		
-30		-4.86	-0.003		
20	Maximum Voltage	4.69	0.002		
20	BEP	4.38	0.002		

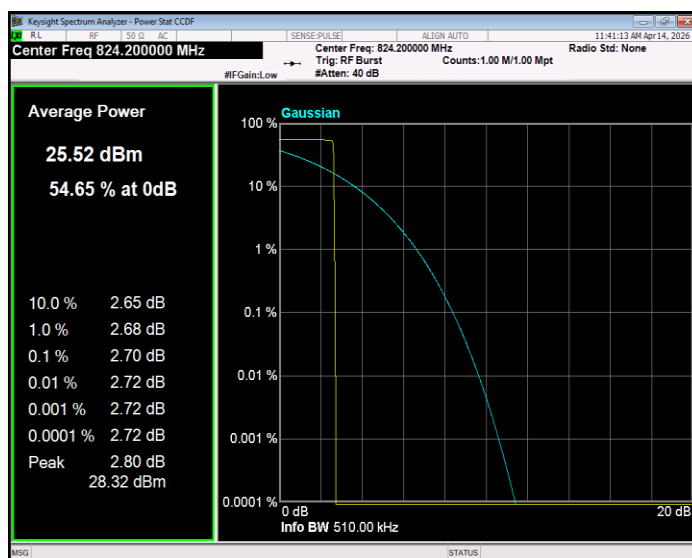


Report

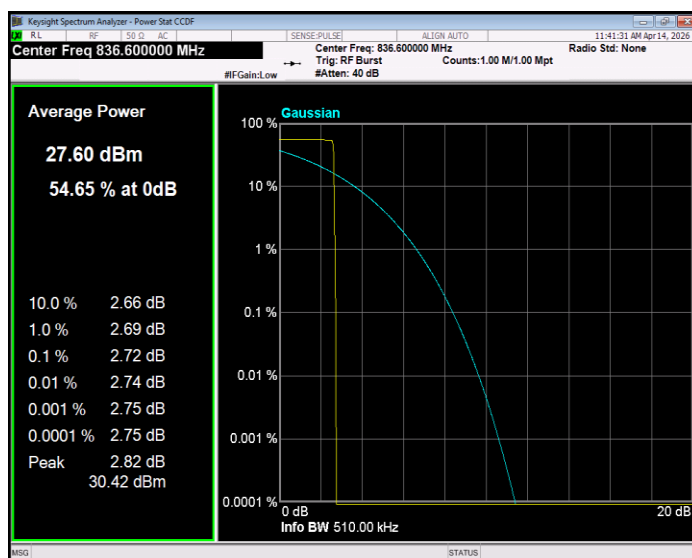
Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS850	128	824.2	2.70	13	PASS
GPRS850	190	836.6	2.72	13	PASS
GPRS850	251	848.8	2.71	13	PASS
EGPRS850	128	824.2	9.15	13	PASS
EGPRS850	190	836.6	9.47	13	PASS
EGPRS850	251	848.8	9.08	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	7.75	13	PASS
EGPRS1900	661	1880	8.15	13	PASS
EGPRS1900	810	1909.8	8.26	13	PASS

GPRS850 Channel=128



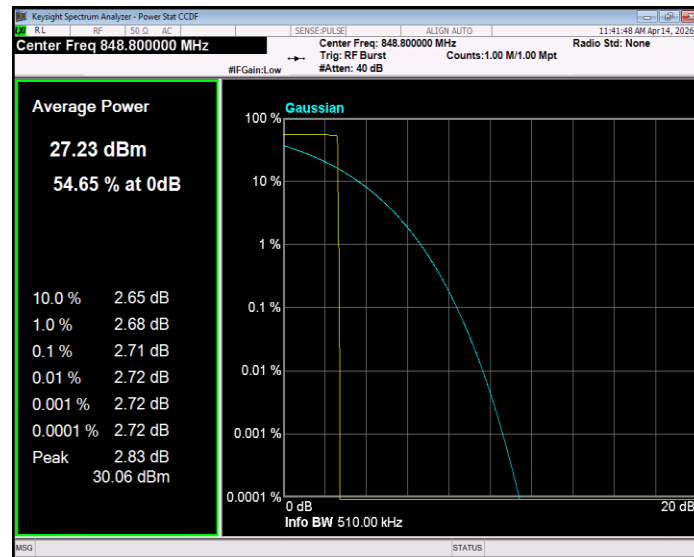
GPRS850 Channel=190





Report

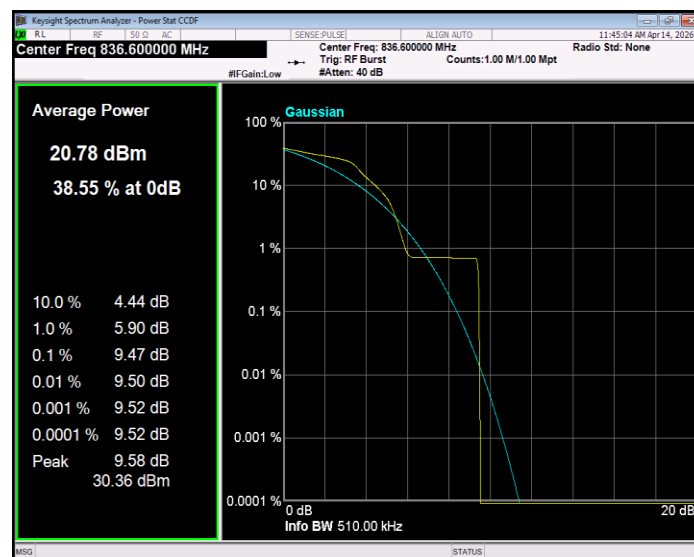
GPRS850 Channel=251



EGPRS850 Channel=128



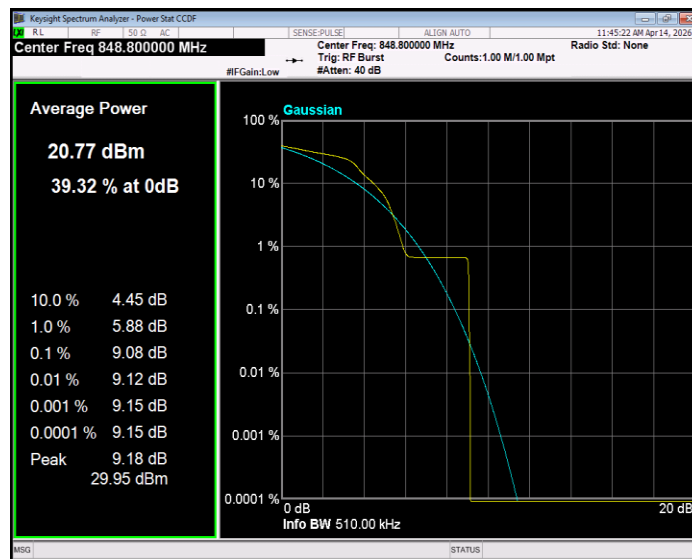
EGPRS850 Channel=190



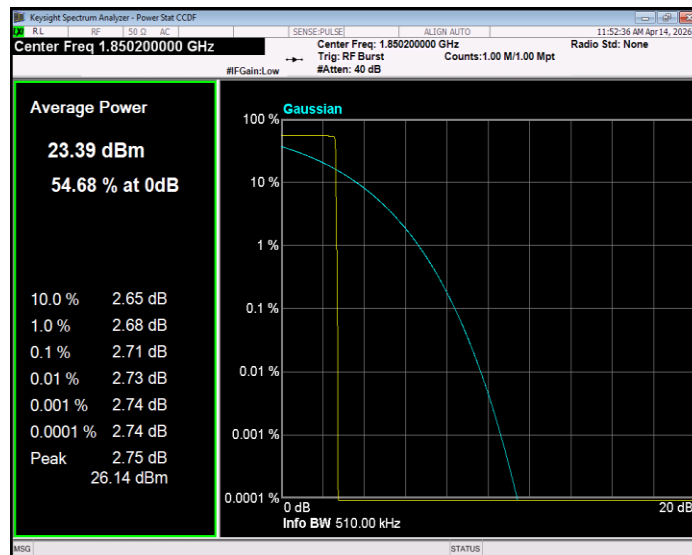


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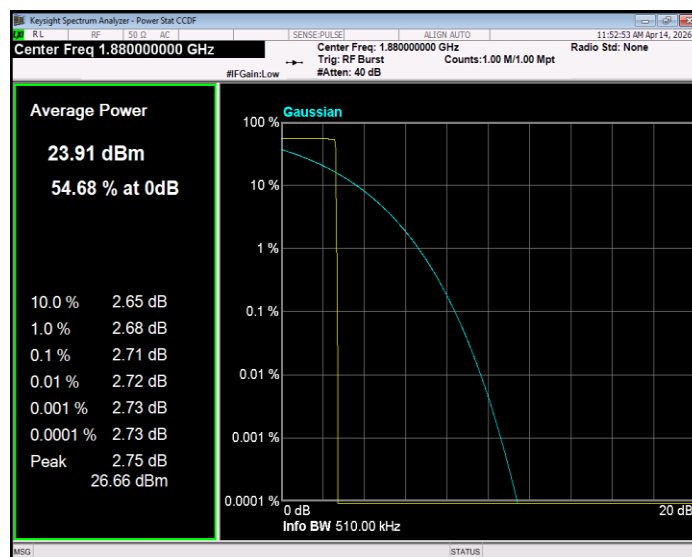
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GPRS1900 Channel=512



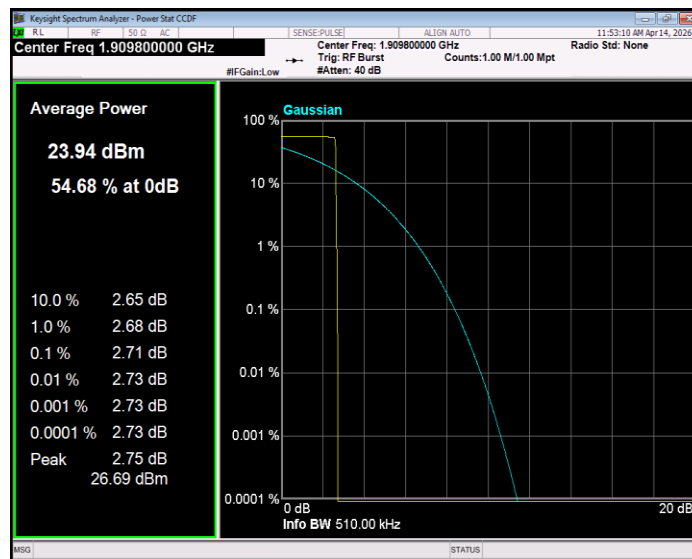
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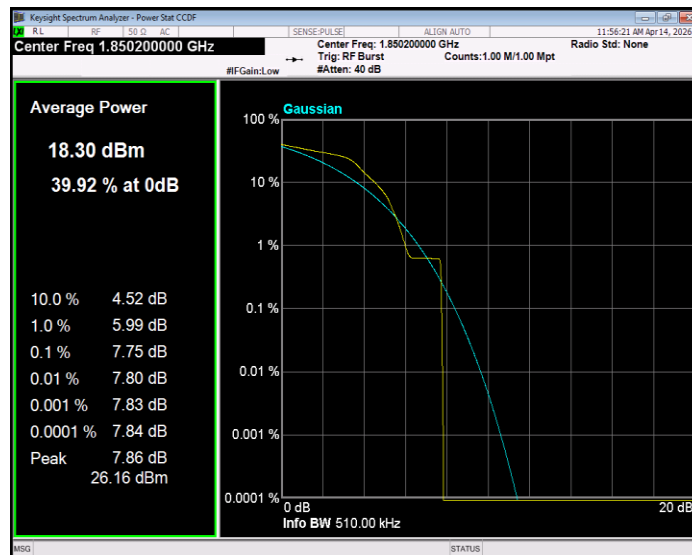


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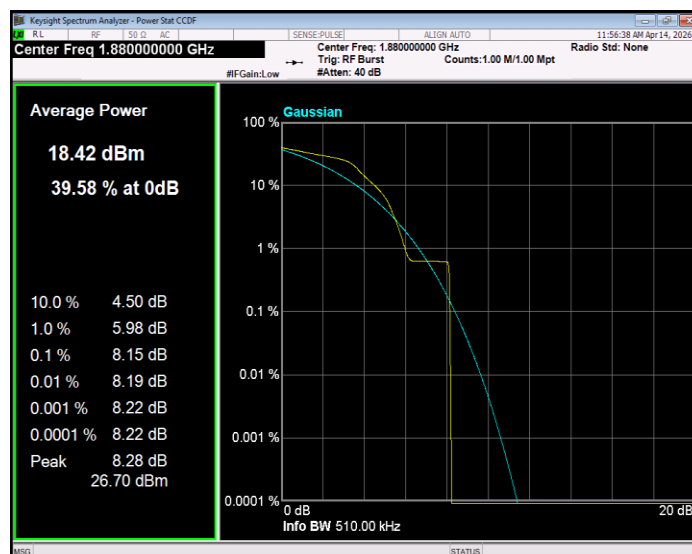
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EGPRS1900 Channel=512



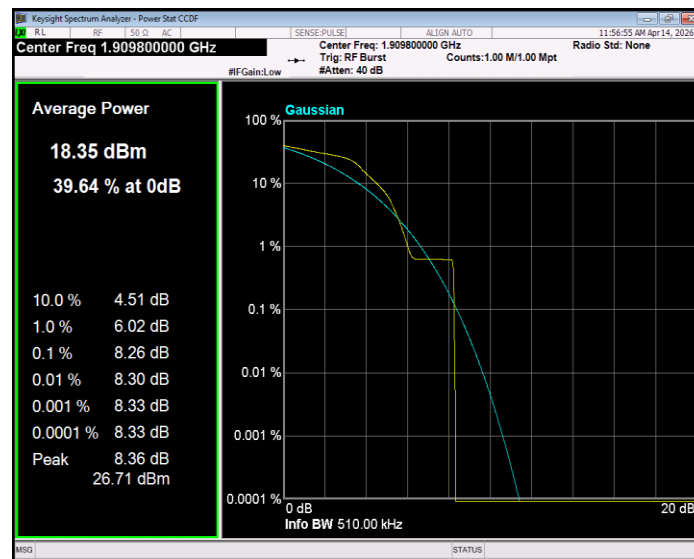
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Report

EGPRS1900 Channel=810



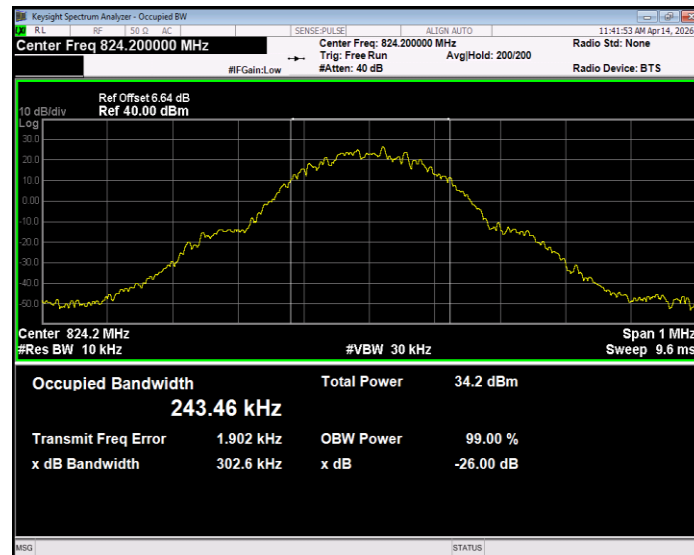


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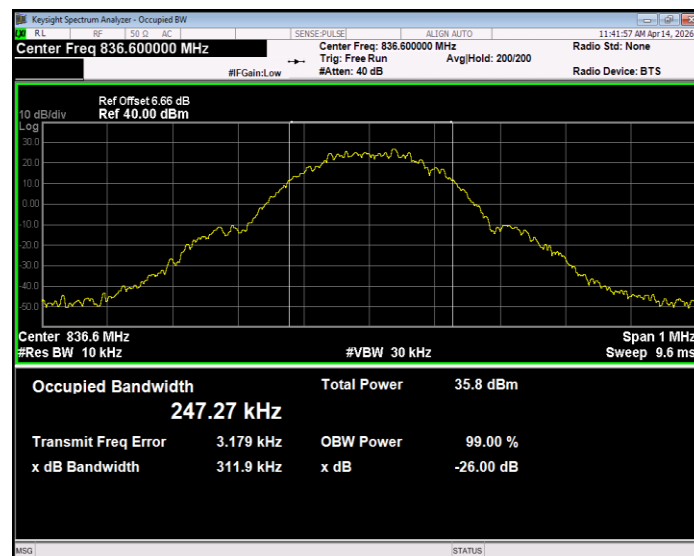
Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS850	128	824.2	243.461	302.588	PASS
GPRS850	190	836.6	247.268	311.904	PASS
GPRS850	251	848.8	240.684	313.197	PASS
EGPRS850	128	824.2	256.872	319.785	PASS
EGPRS850	190	836.6	245.688	319.290	PASS
EGPRS850	251	848.8	259.013	314.843	PASS
GPRS1900	512	1850.2	246.696	309.244	PASS
GPRS1900	661	1880	248.365	312.999	PASS
GPRS1900	810	1909.8	246.787	323.397	PASS
EGPRS1900	512	1850.2	245.436	314.454	PASS
EGPRS1900	661	1880	241.139	298.704	PASS
EGPRS1900	810	1909.8	239.650	299.249	PASS

GPRS850 Channel=128



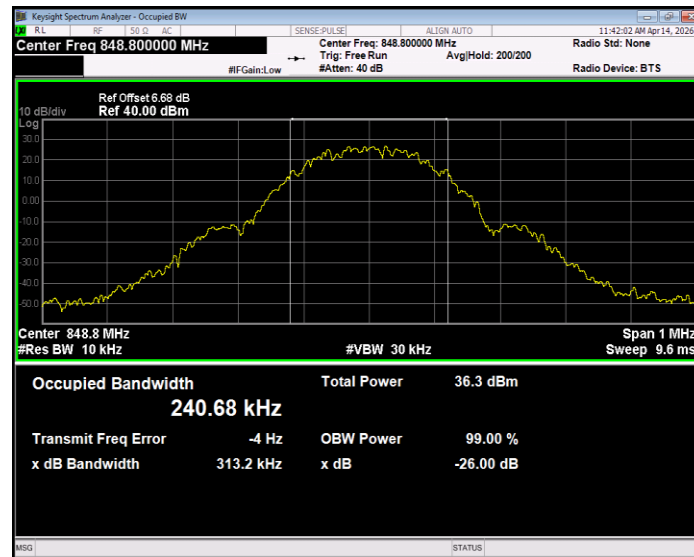
GPRS850 Channel=190



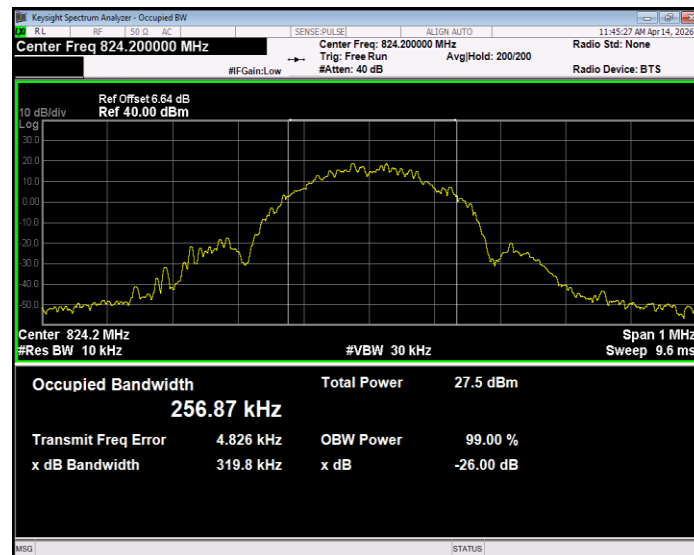


Report

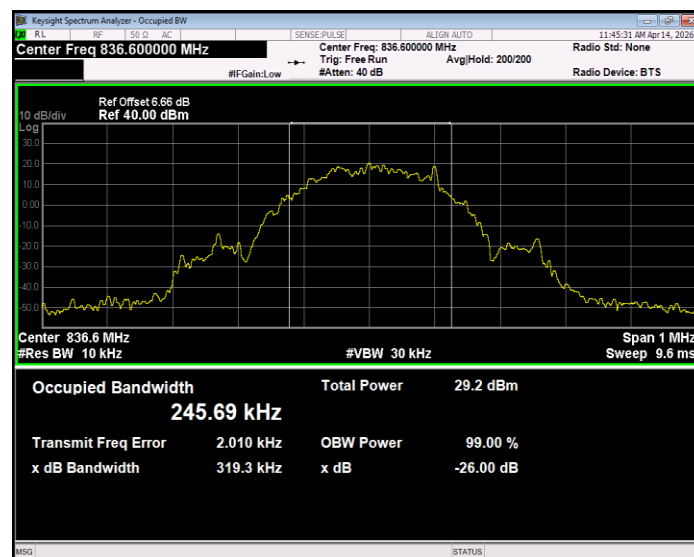
GPRS850 Channel=251



EGPRS850 Channel=128



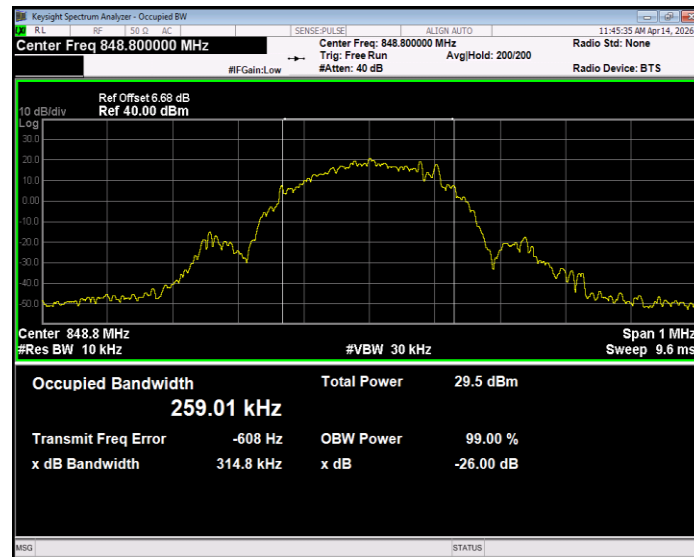
EGPRS850 Channel=190



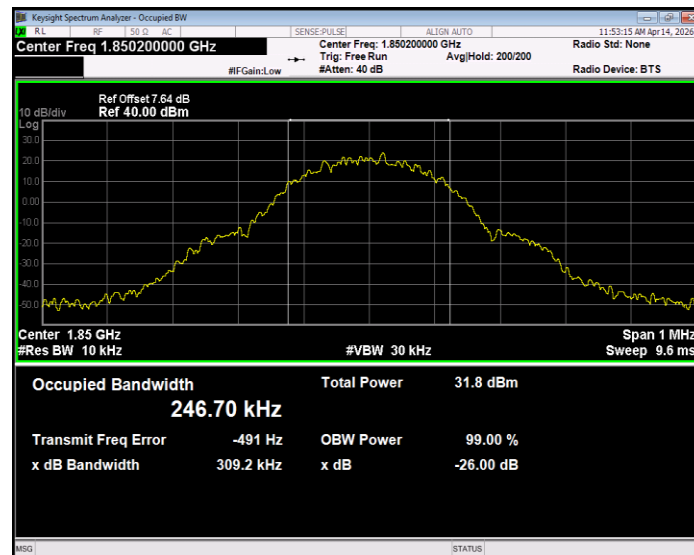


Report

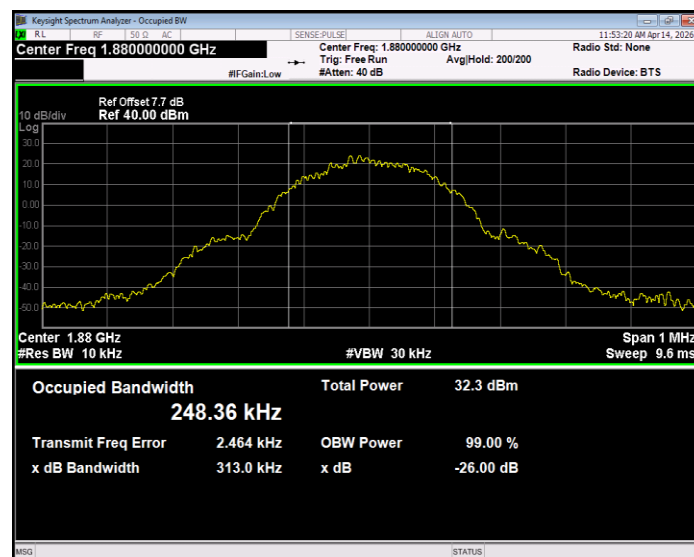
EGPRS850 Channel=251



GPRS1900 Channel=512



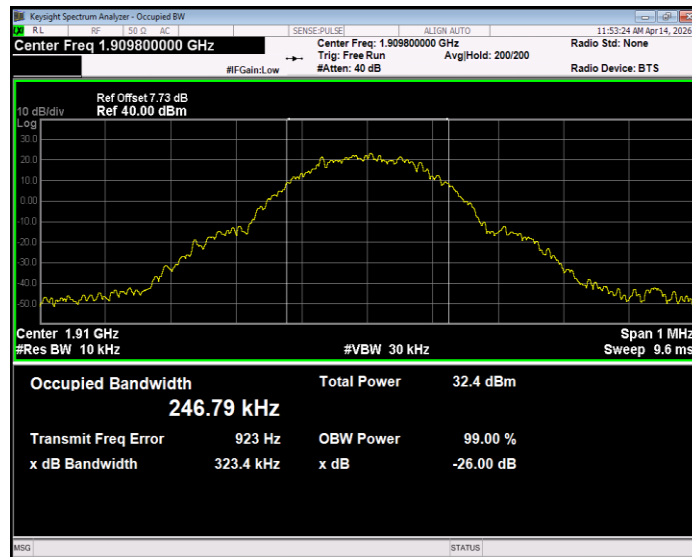
GPRS1900 Channel=661



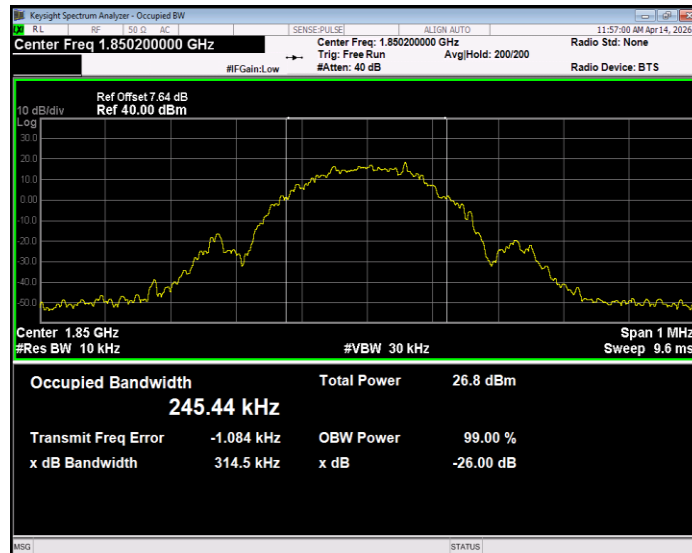


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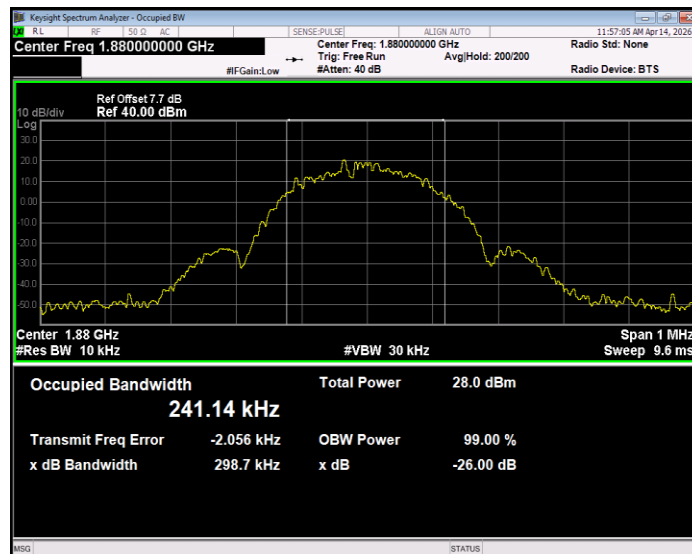
GPRS1900 Channel=810



EGPRS1900 Channel=512



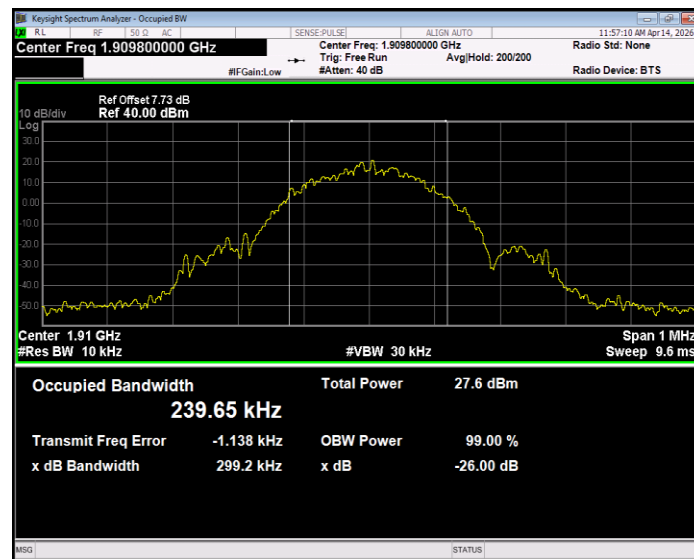
EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810



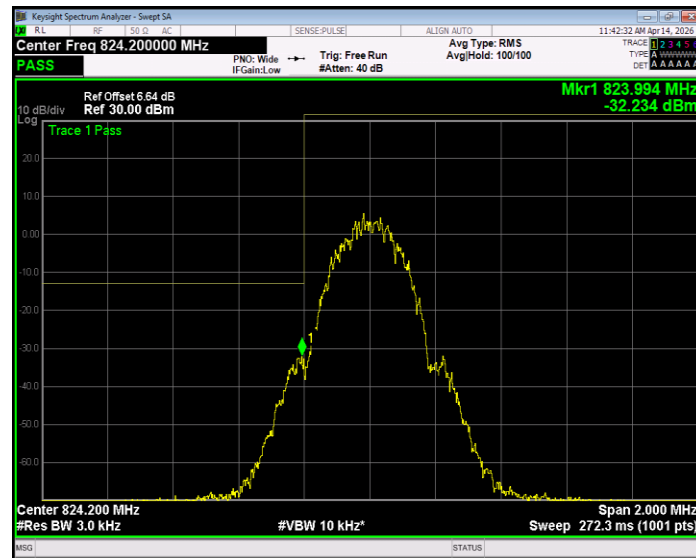


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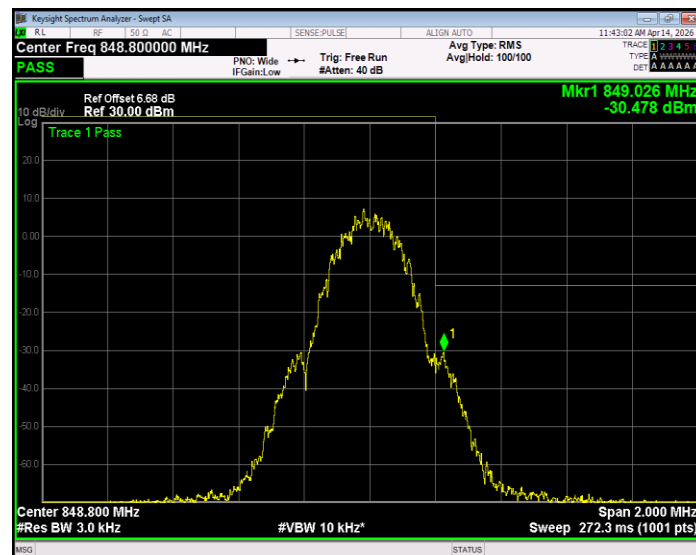
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	823.99	-32.23	-13	PASS
GPRS850	251	848.8	849.03	-30.47	-13	PASS
EGPRS850	128	824.2	823.97	-41.33	-13	PASS
EGPRS850	251	848.8	849.01	-40.77	-13	PASS
GPRS1900	512	1850.2	1849.98	-34.85	-13	PASS
GPRS1900	810	1909.8	1910.02	-33.62	-13	PASS
EGPRS1900	512	1850.2	1849.96	-41.95	-13	PASS
EGPRS1900	810	1909.8	1910.03	-42.82	-13	PASS

GPRS850 Channel=128



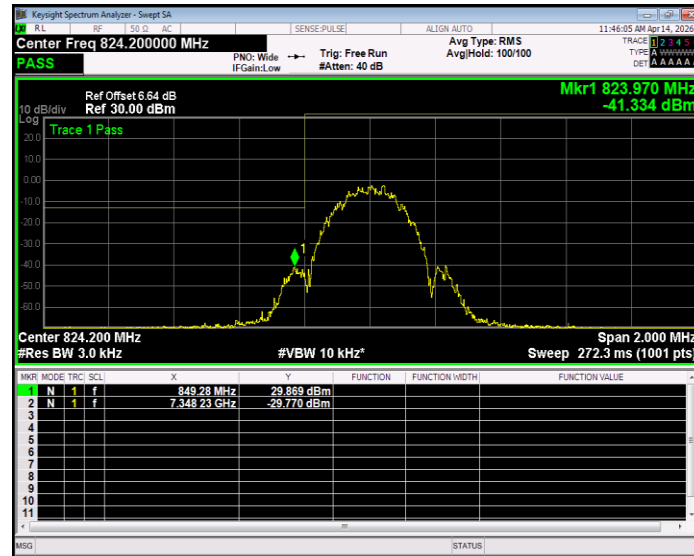
GPRS850 Channel=251



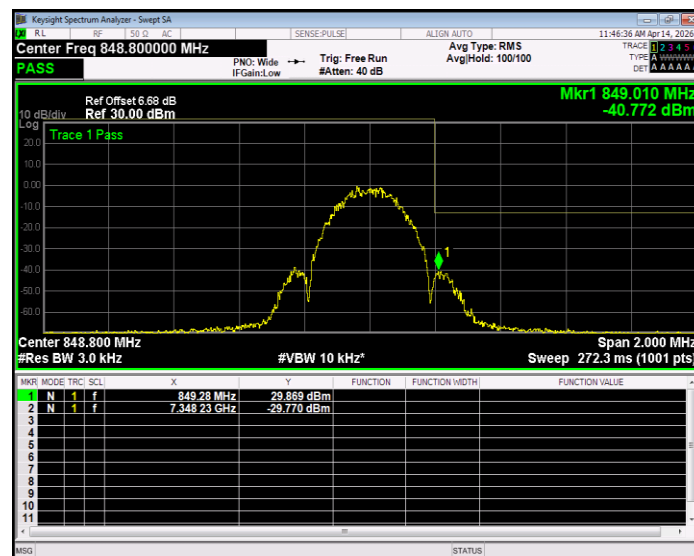
EGPRS850 Channel=128



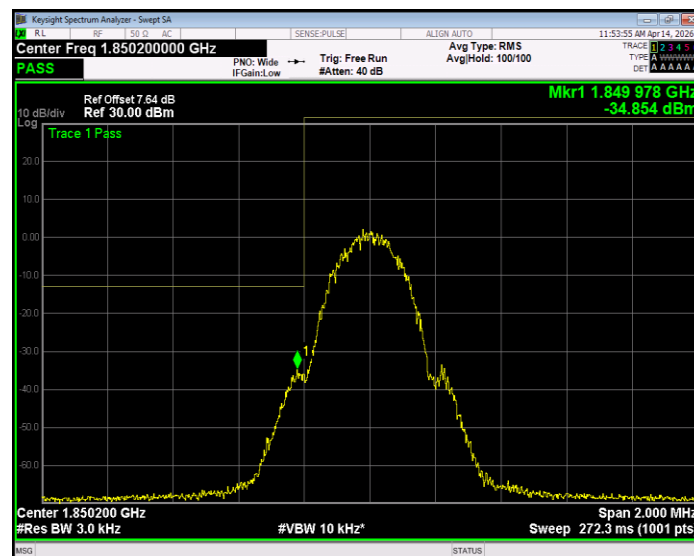
Report



EGPRS850 Channel=251



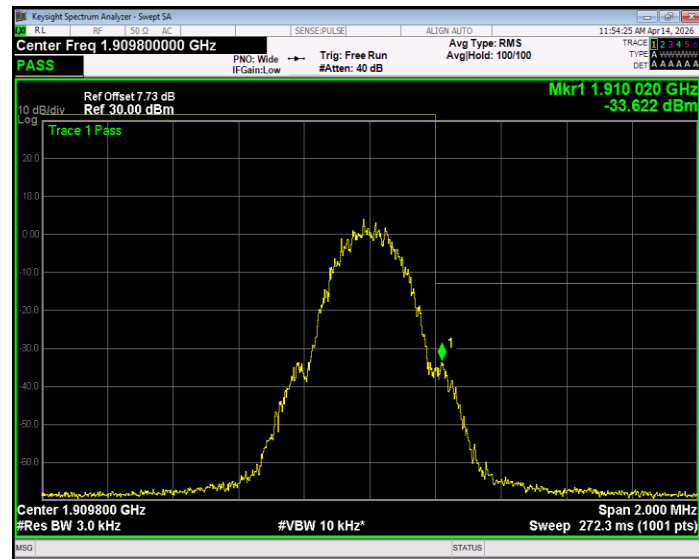
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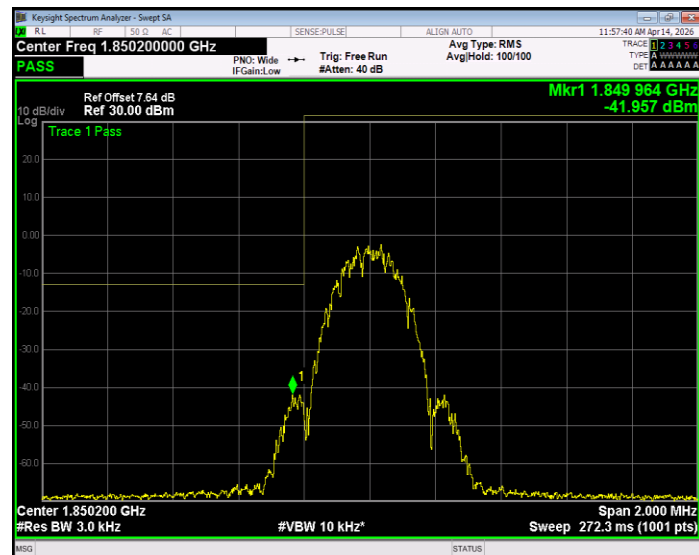


Report

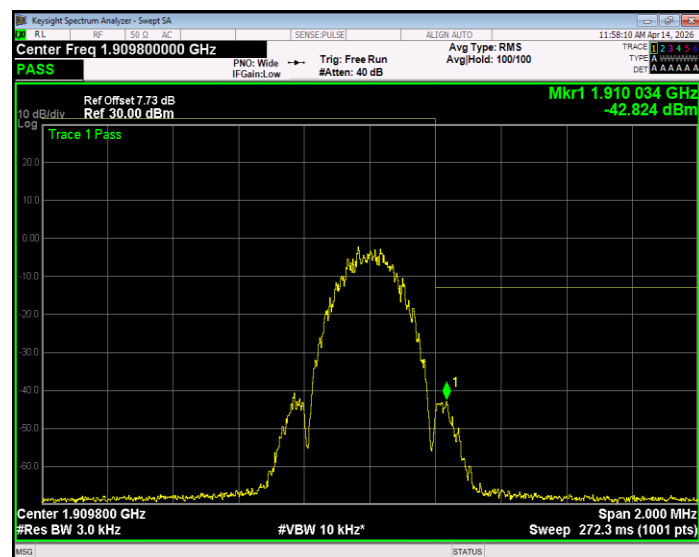
GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=810



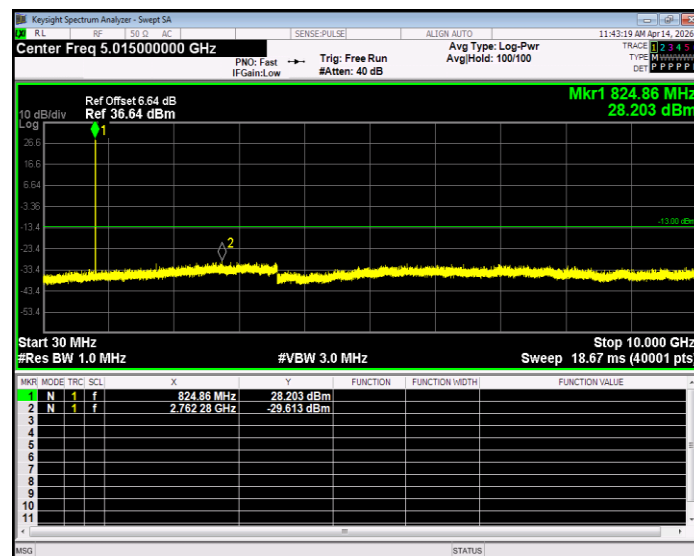


Report

Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS850	128	824.2	2762.28	-29.61	-13	PASS
GPRS850	190	836.6	3316.86	-29.57	-13	PASS
GPRS850	251	848.8	7348.23	-29.76	-13	PASS
EGPRS850	128	824.2	3217.41	-29.87	-13	PASS
EGPRS850	190	836.6	3152.85	-29.32	-13	PASS
EGPRS850	251	848.8	3110.73	-29.64	-13	PASS
GPRS1900	512	1850.2	19773.84	-23.68	-13	PASS
GPRS1900	661	1880	19911.63	-23.93	-13	PASS
GPRS1900	810	1909.8	18802.30	-23.76	-13	PASS
EGPRS1900	512	1850.2	19760.86	-23.26	-13	PASS
EGPRS1900	661	1880	19036.95	-23.80	-13	PASS
EGPRS1900	810	1909.8	19850.23	-24.31	-13	PASS

GPRS850 Channel=128



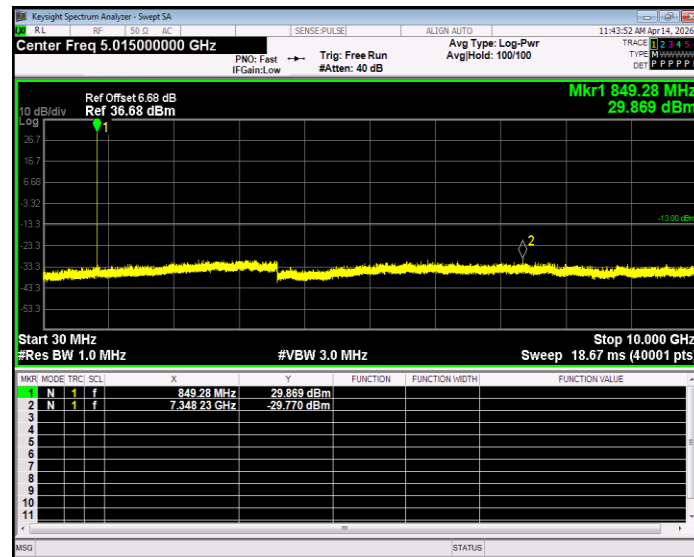
GPRS850 Channel=190



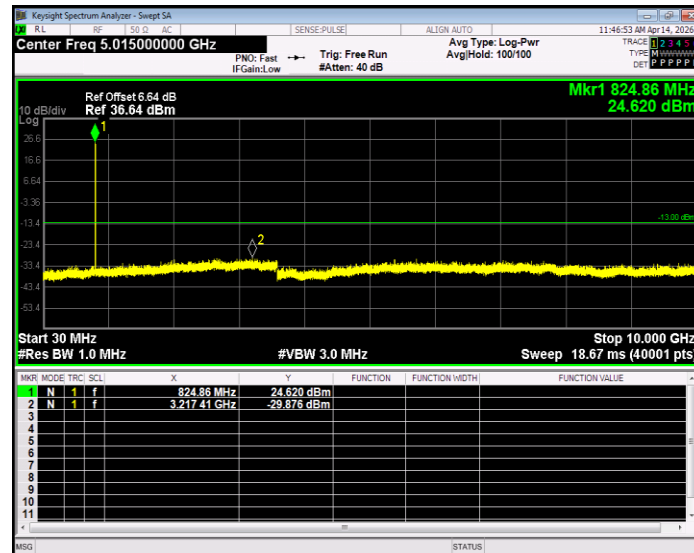


Report

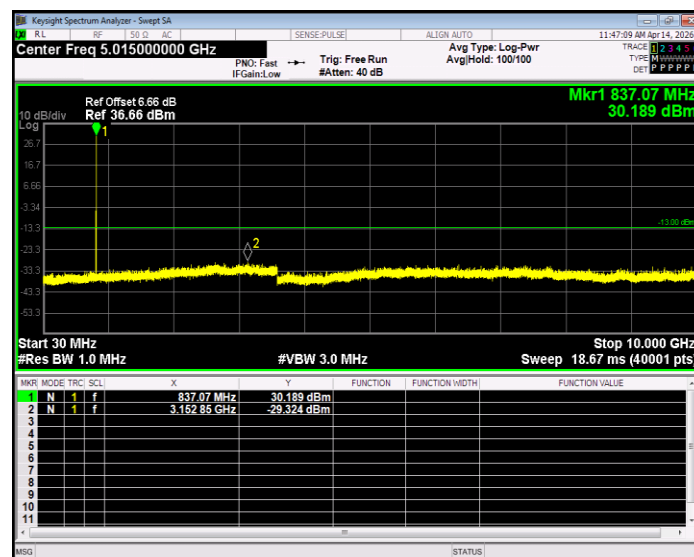
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EGPRS850 Channel=128



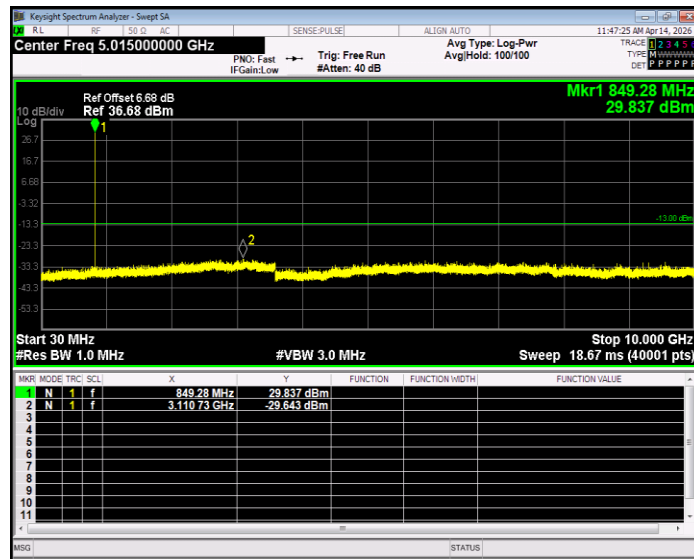
EGPRS850 Channel=190



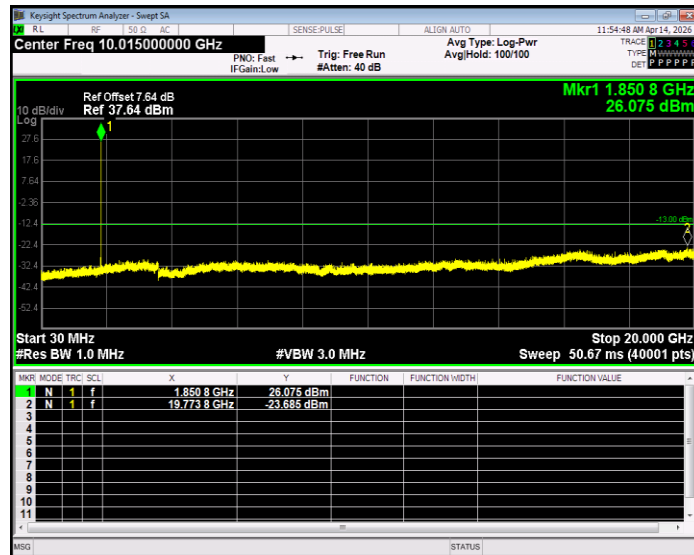


Report

EGPRS850 Channel=251



GPRS1900 Channel=512



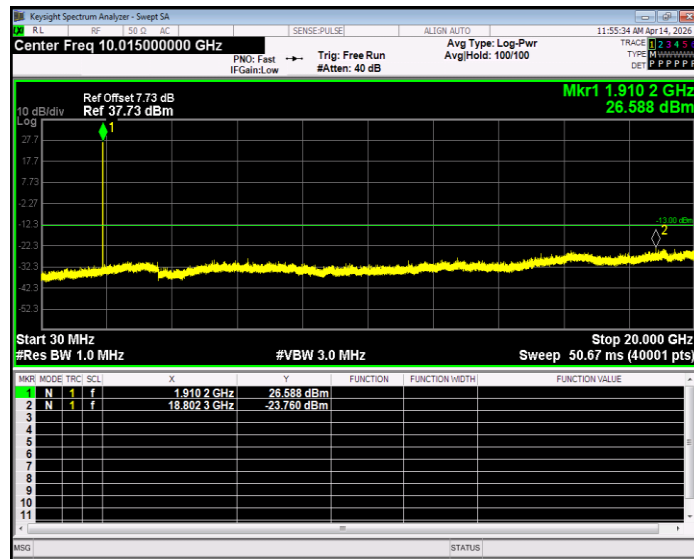
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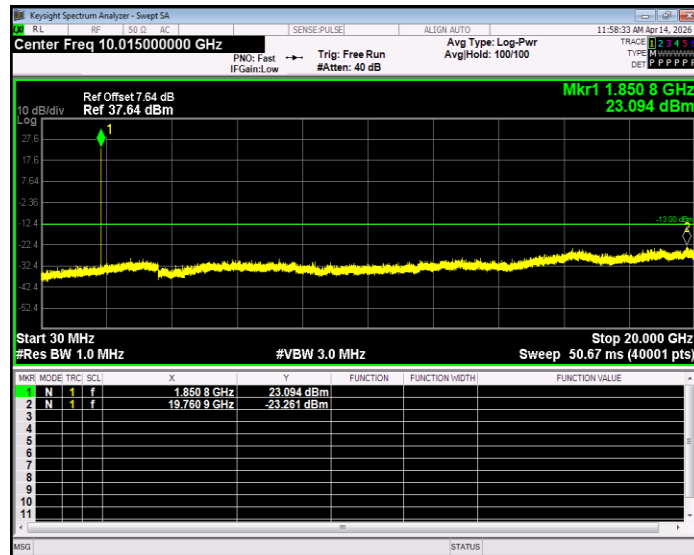


Report

GPRS1900 Channel=810



EGPRS1900 Channel=512



EGPRS1900 Channel=661





Report

EGPRS1900 Channel=810

