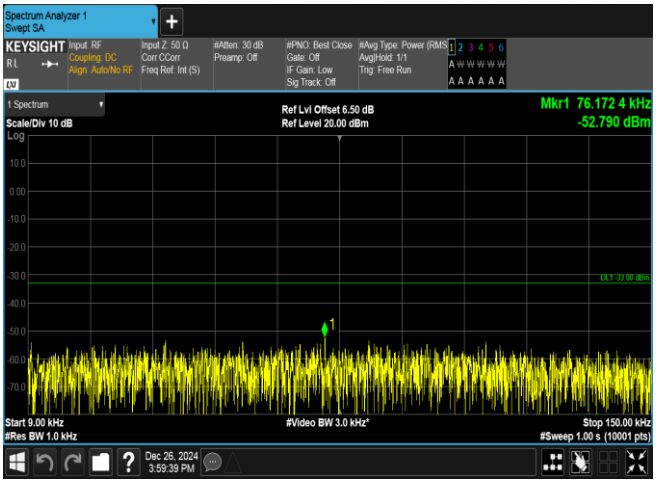
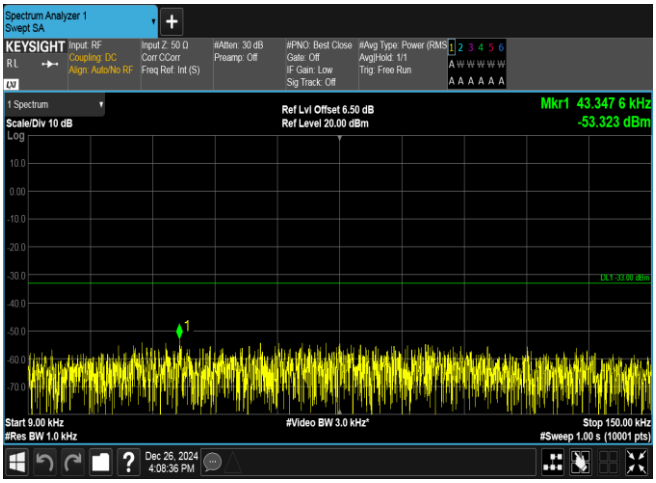
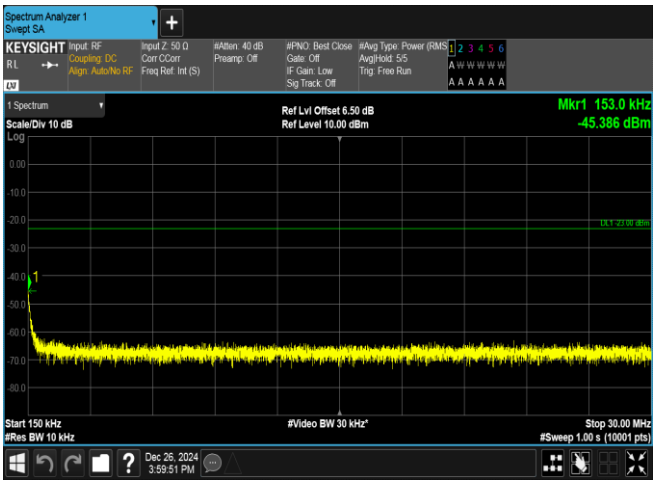


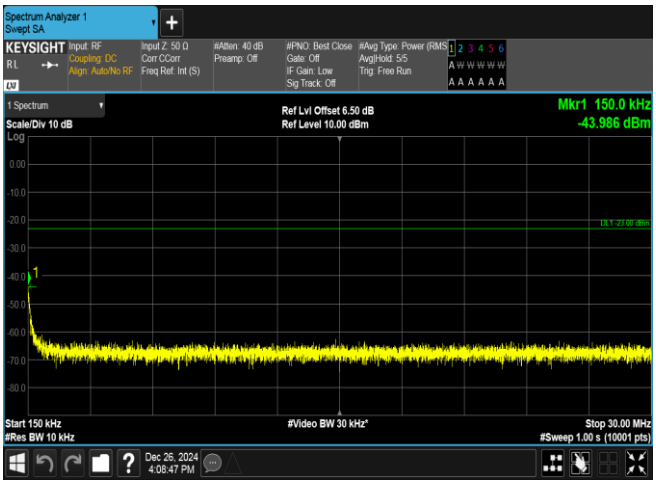
GSM850-251-5-0.009~0.15MHz-PASS



GPRS850-251-5-0.009~0.15MHz-PASS



GSM850-251-5-0.15~30MHz-PASS



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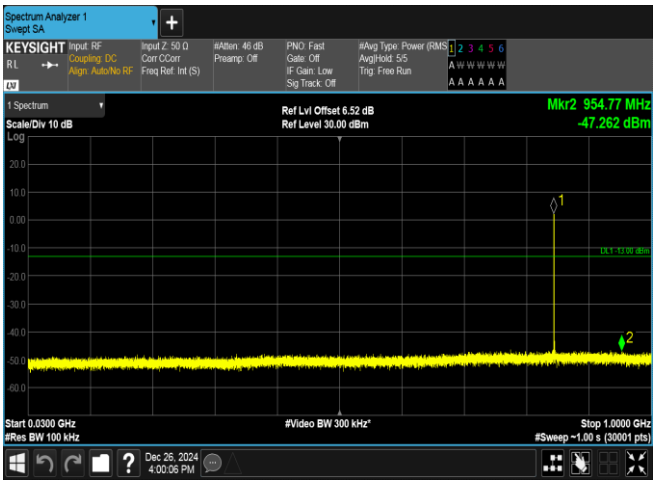
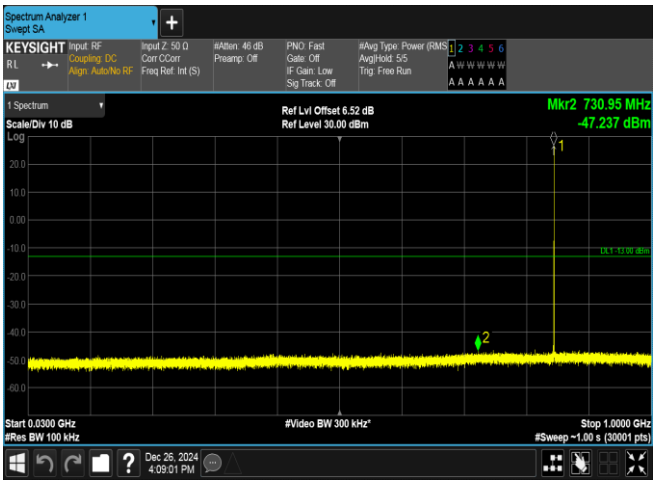


GSM850-251-5-30~1000MHz-PASS



GPRS850-251-5-30~1000MHz-PASS

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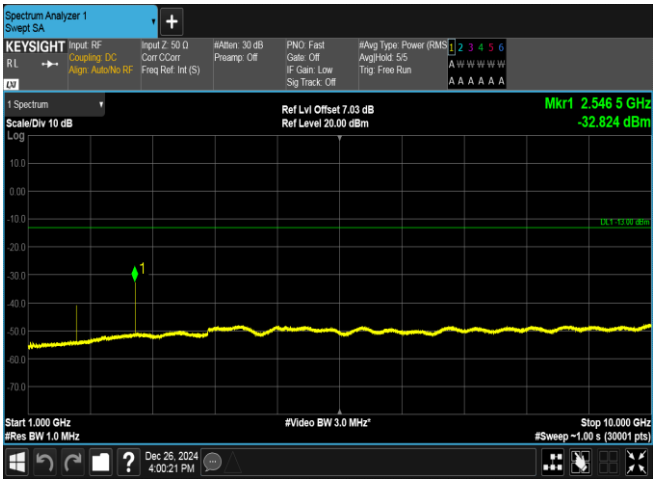
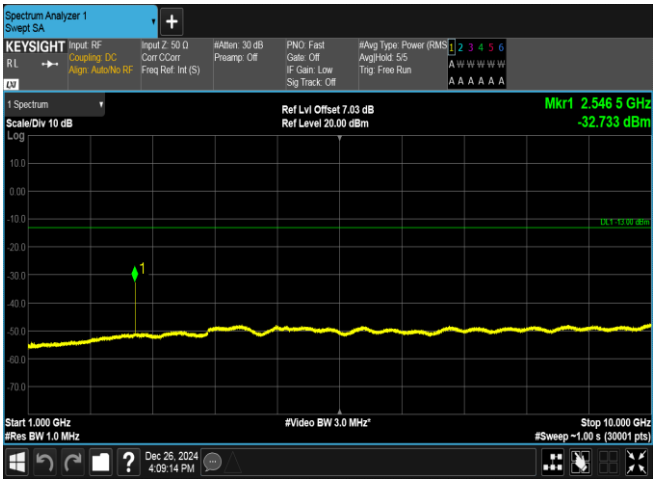
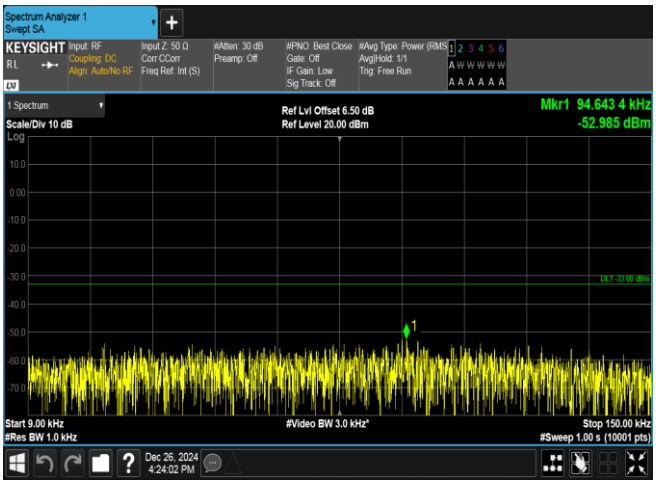


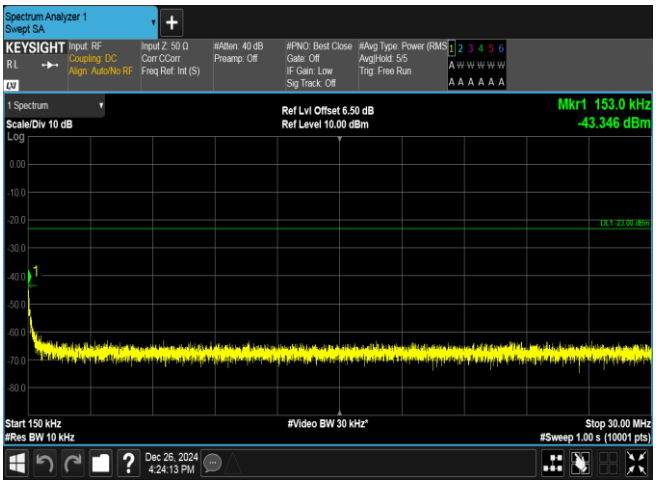
GSM850-251-5-1000~10000MHz-PASS



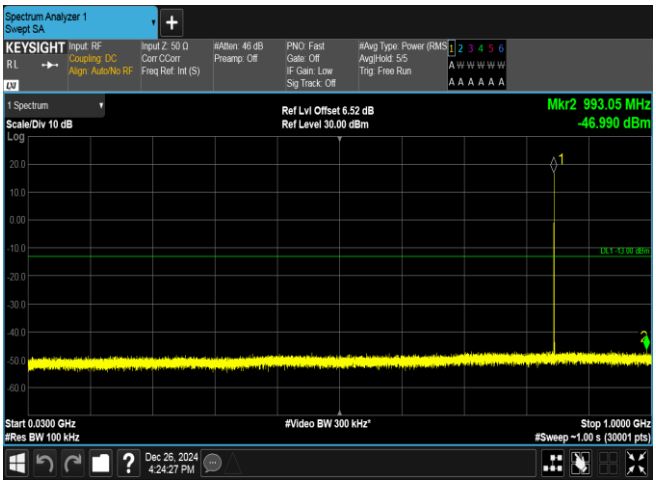
GPRS850-251-5-1000~10000MHz-PASS



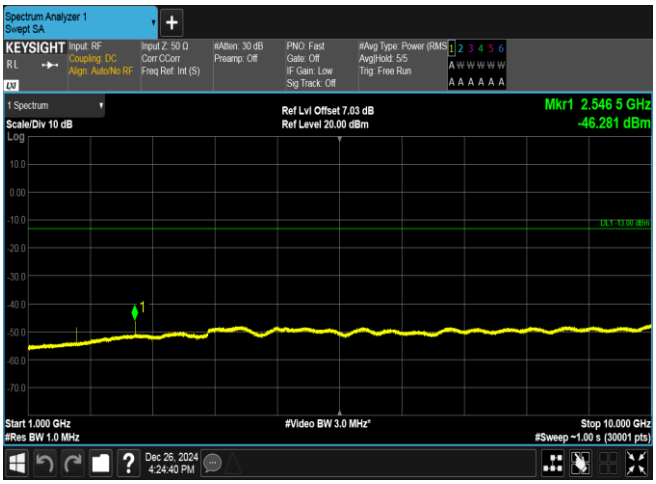
EGPRS850-251-8-0.009~0.15MHz-PASS



EGPRS850-251-8-0.15~30MHz-PASS



EGPRS850-251-8-30~1000MHz-PASS



EGPRS850-251-8-1000~10000MHz-PASS

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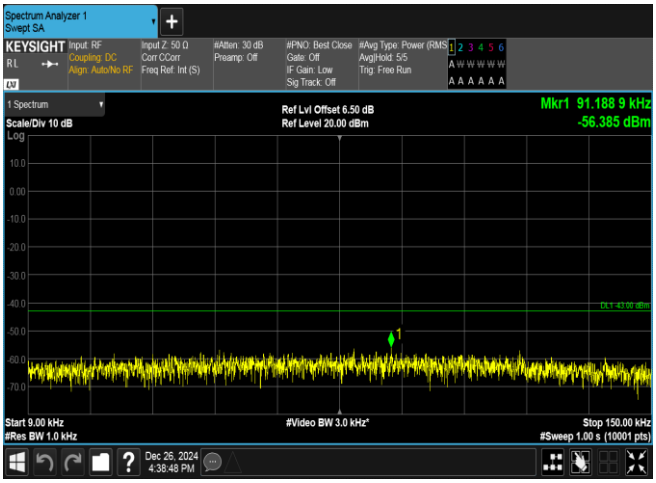
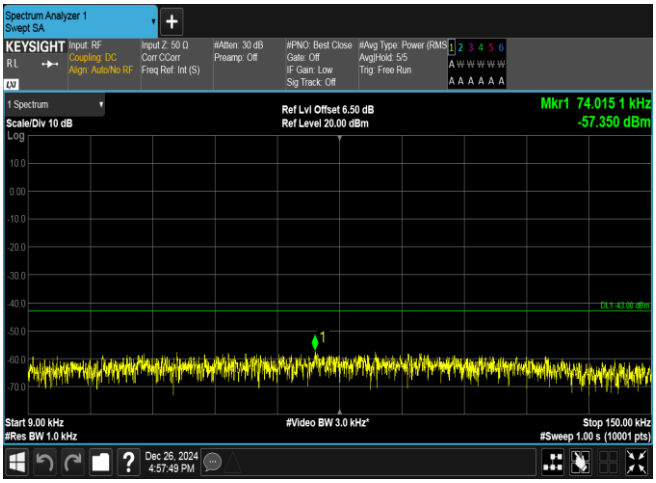
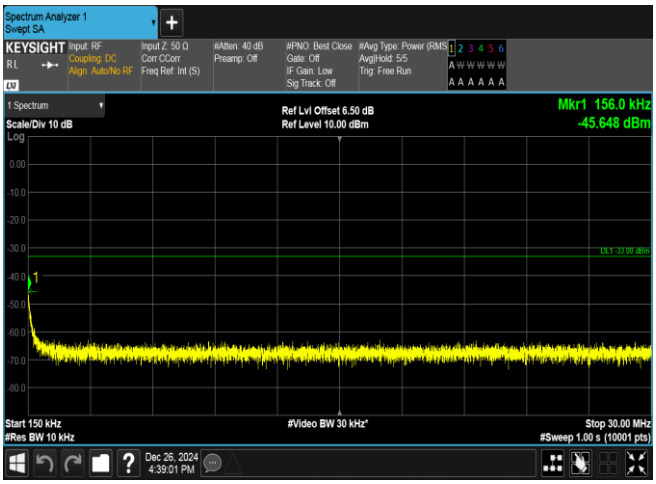


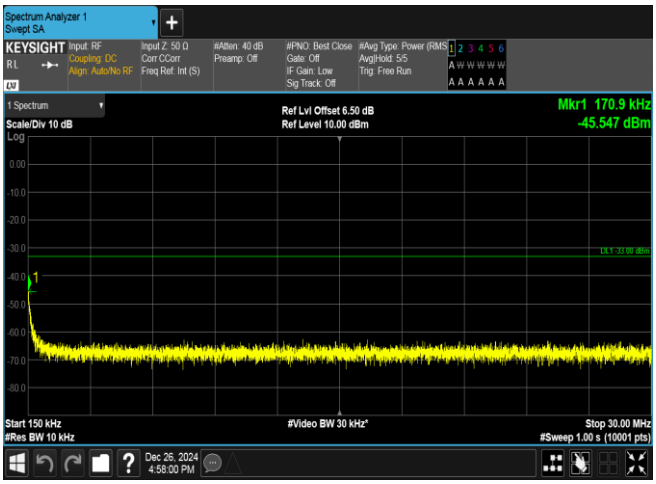
GSM1900-512-0-0.009~0.15MHz-PASS



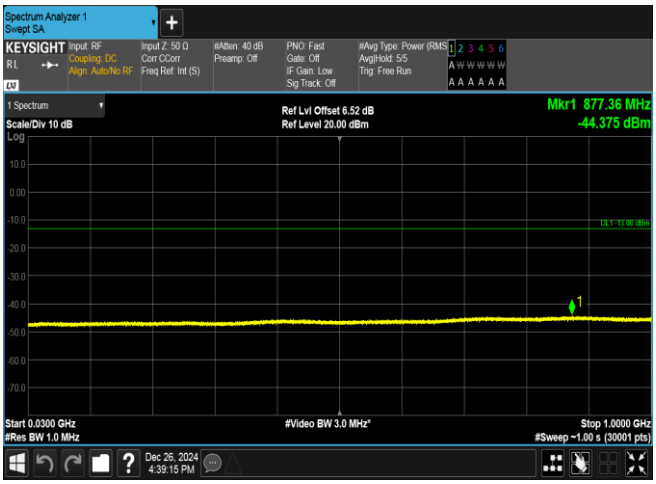
GPRS1900-512-0-0.009~0.15MHz-PASS



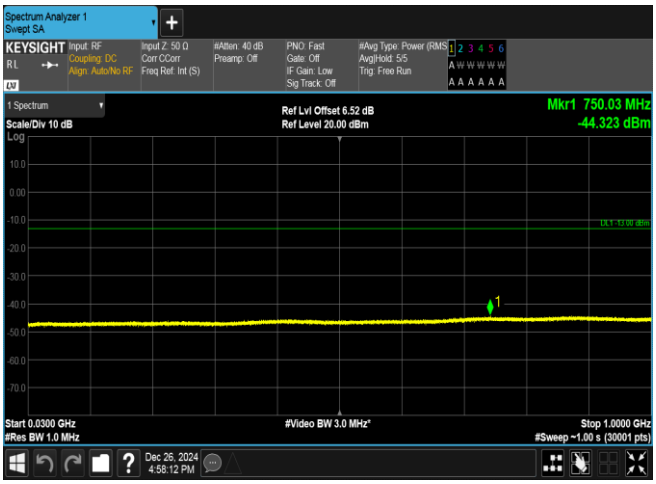
GSM1900-512-0-0.15~30MHz-PASS



GPRS1900-512-0-0.15~30MHz-PASS



GSM1900-512-0-30~1000MHz-PASS



GPRS1900-512-0-30~1000MHz-PASS

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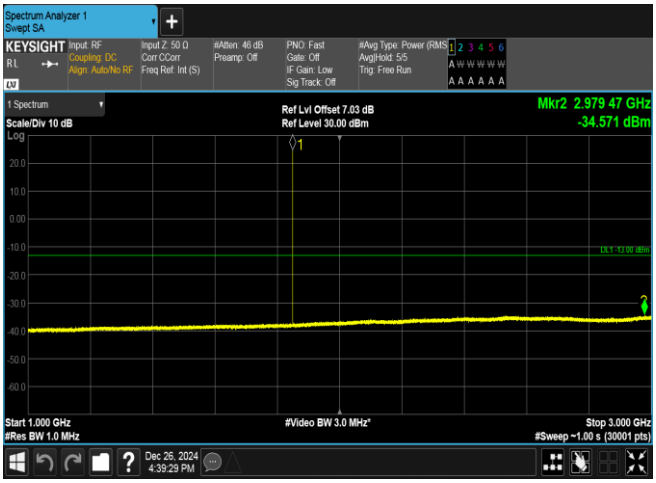
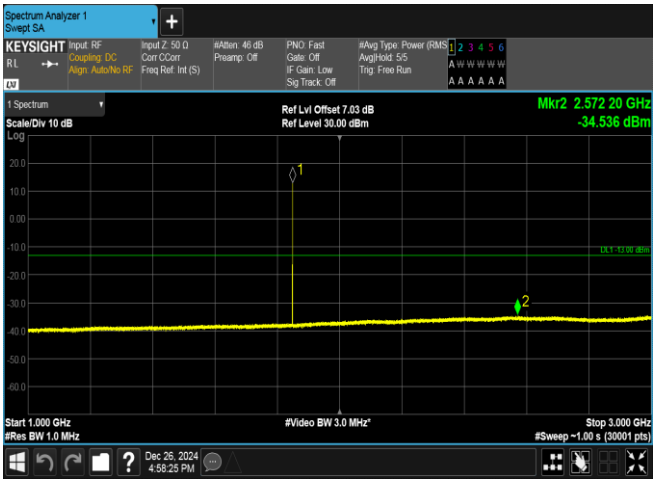
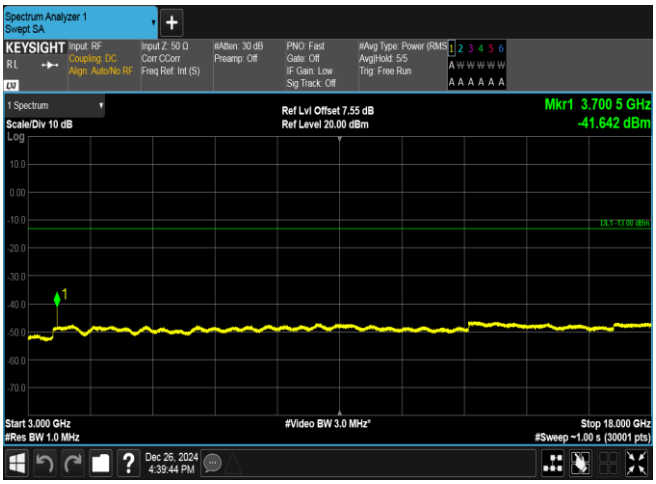


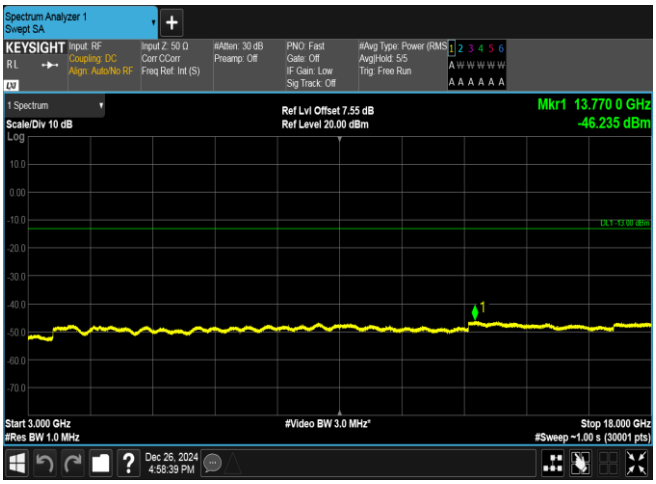
GSM1900-512-0-1000~3000MHz-PASS



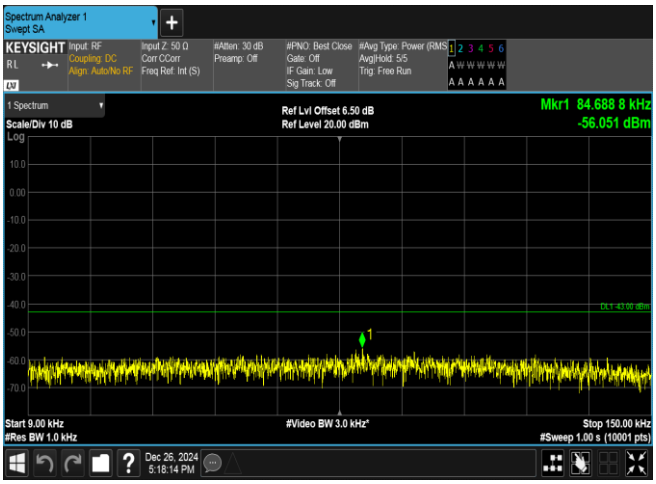
GPRS1900-512-0-1000~3000MHz-PASS



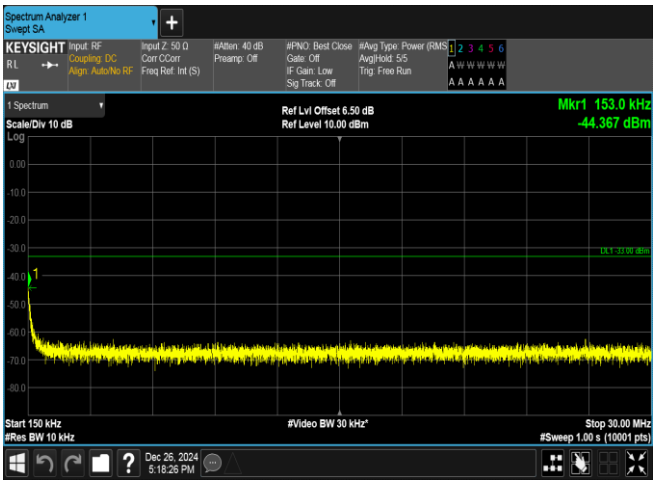
GSM1900-512-0-3000~18000MHz-PASS



GPRS1900-512-0-3000~18000MHz-PASS



EGPRS1900-512-2-0.009~0.15MHz-PASS



EGPRS1900-512-2-0.15~30MHz-PASS

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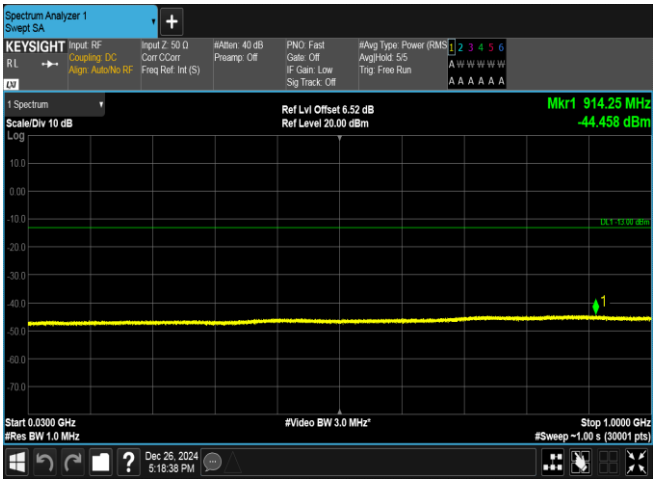
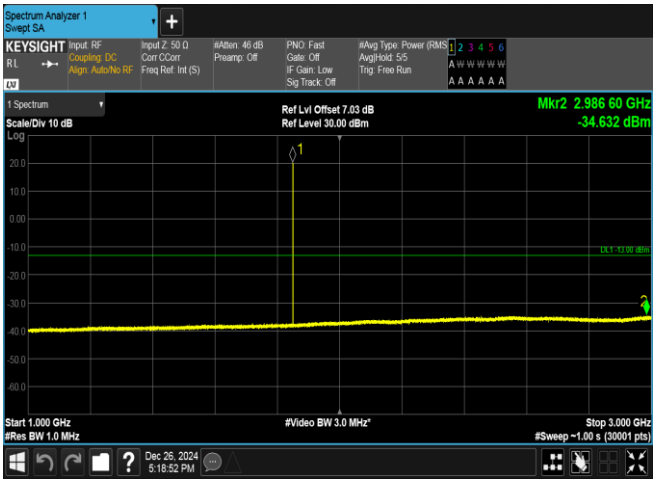
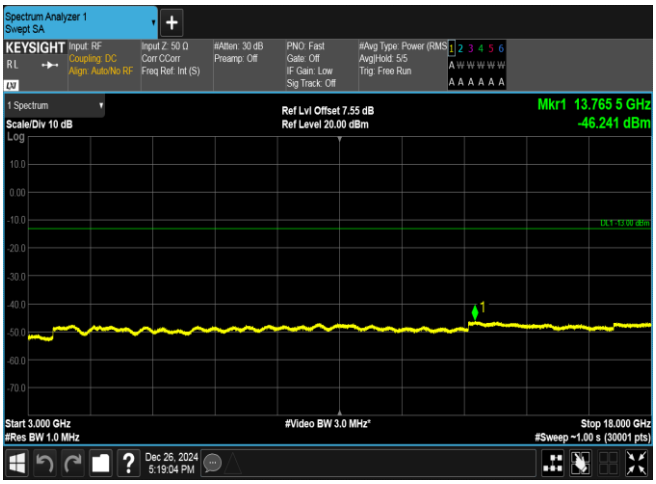


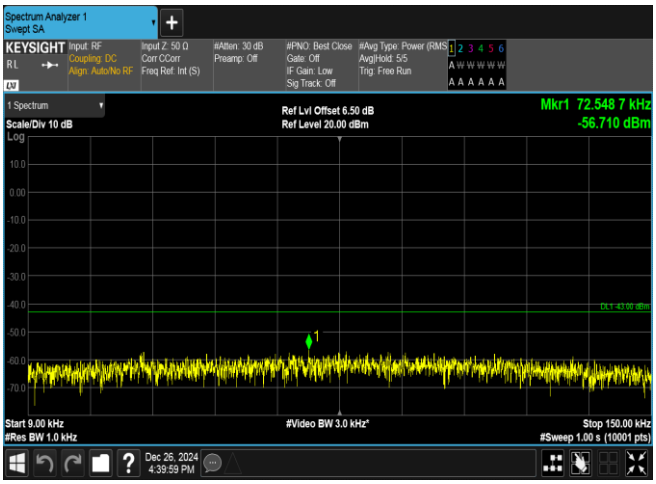
EGPRS1900-512-2-30~1000MHz-PASS



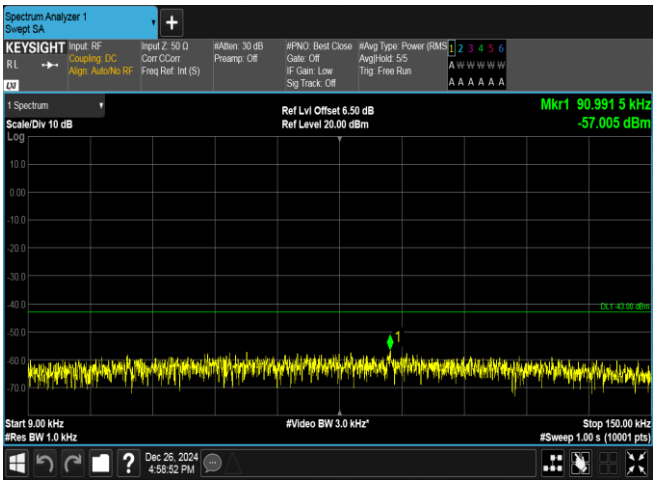
EGPRS1900-512-2-1000~3000MHz-PASS



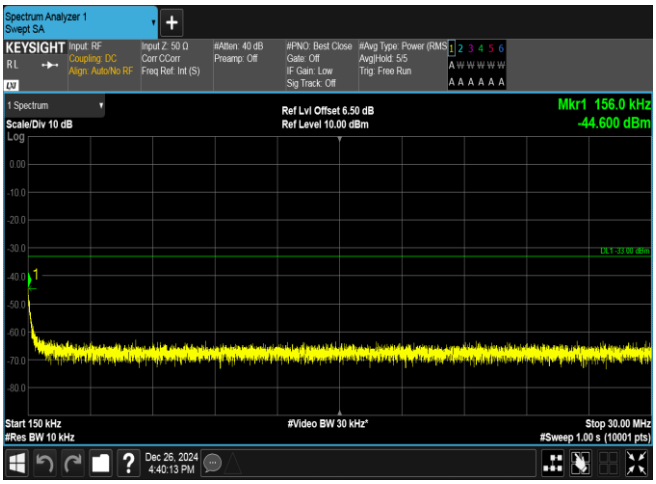
EGPRS1900-512-2-3000~18000MHz-PASS



GSM1900-661-0-0.009~0.15MHz-PASS



GPRS1900-661-0-0.009~0.15MHz-PASS



GSM1900-661-0-0.15~30MHz-PASS

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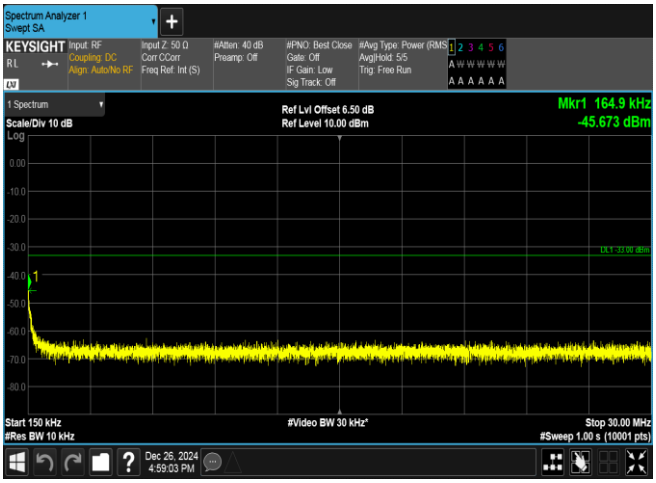
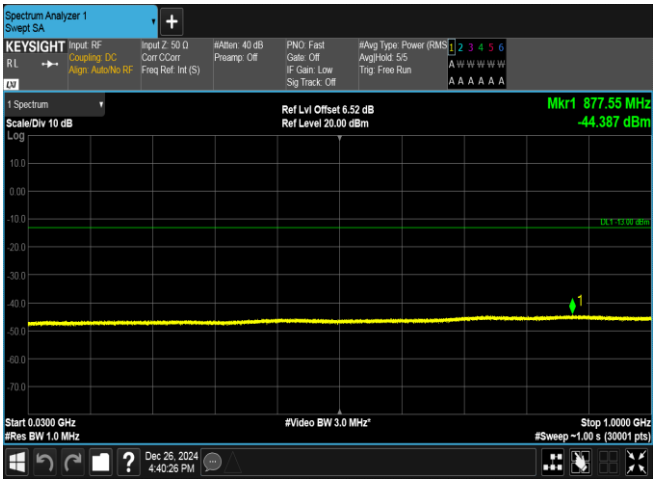
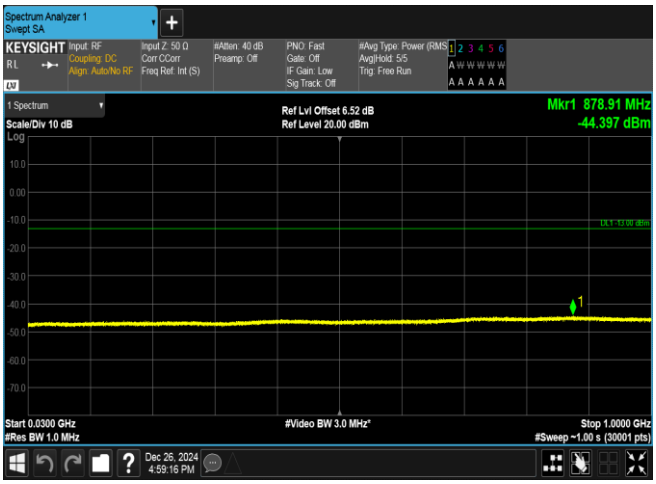


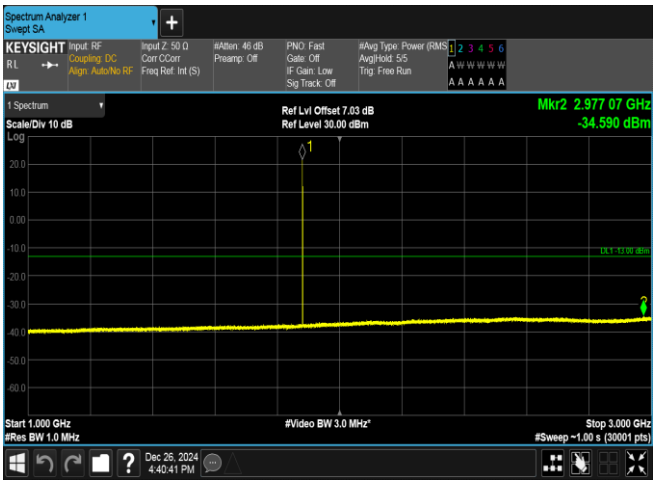
GPRS1900-661-0-0.15~30MHz-PASS



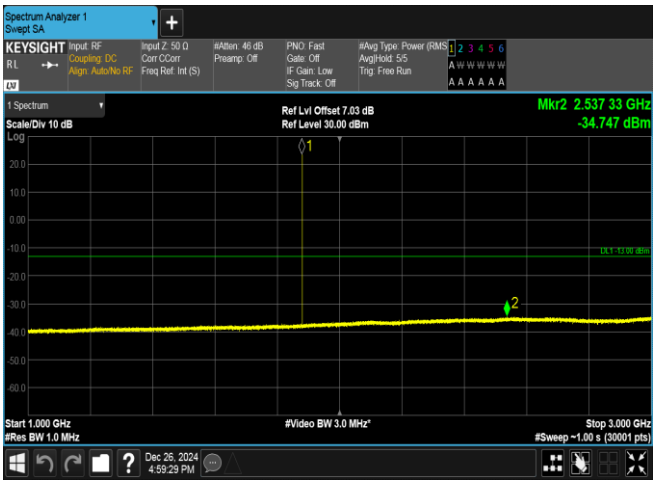
GSM1900-661-0-30~1000MHz-PASS



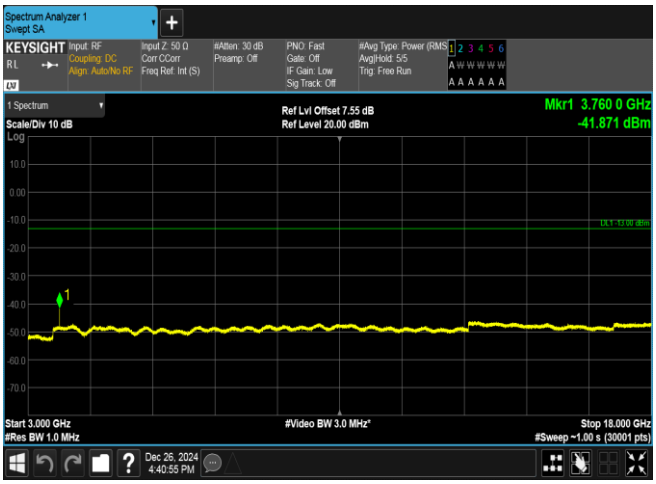
GPRS1900-661-0-30~1000MHz-PASS



GSM1900-661-0-1000~3000MHz-PASS



GPRS1900-661-0-1000~3000MHz-PASS



GSM1900-661-0-3000~18000MHz-PASS

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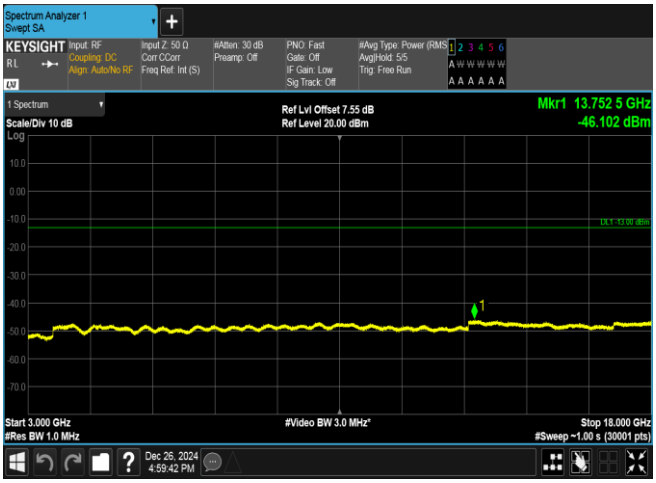
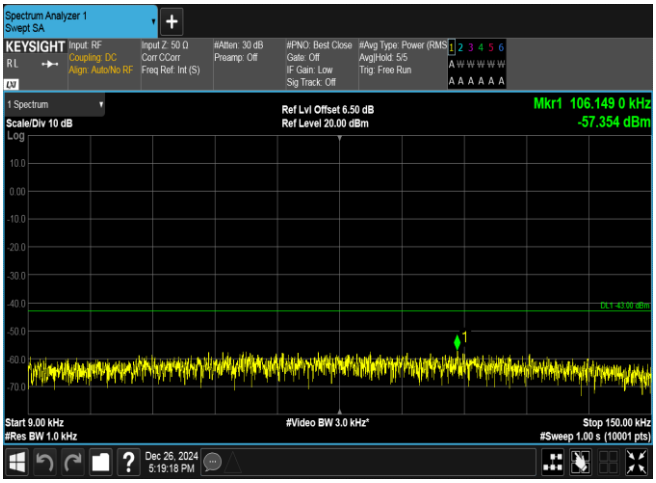
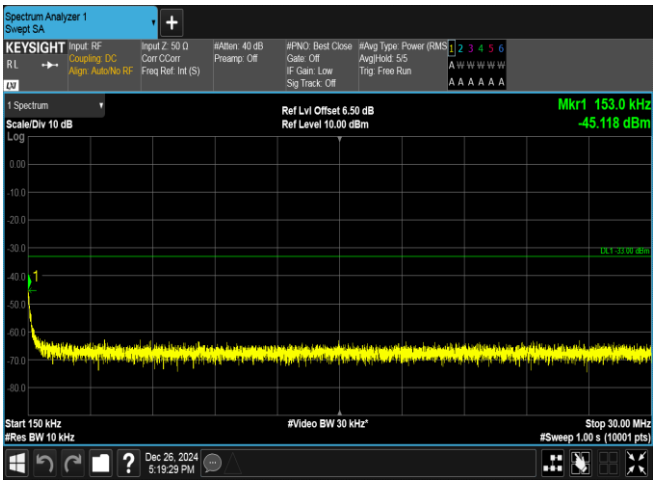


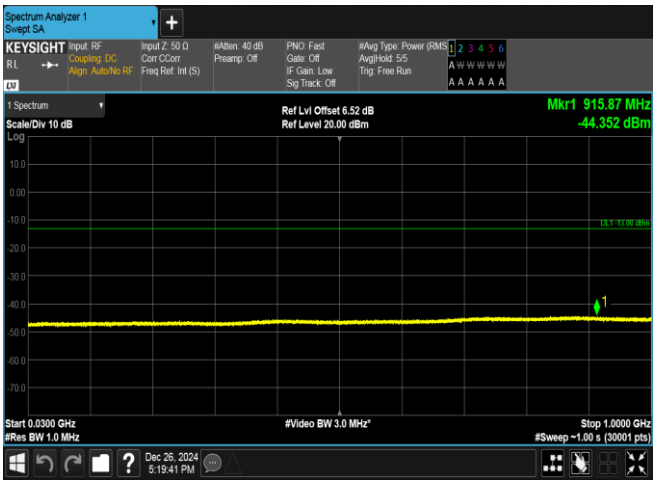
GPRS1900-661-0-3000~18000MHz-PASS



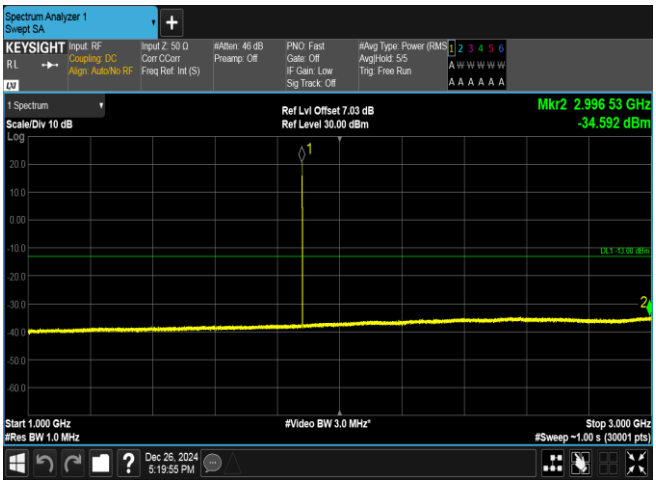
EGPRS1900-661-2-0.009~0.15MHz-PASS



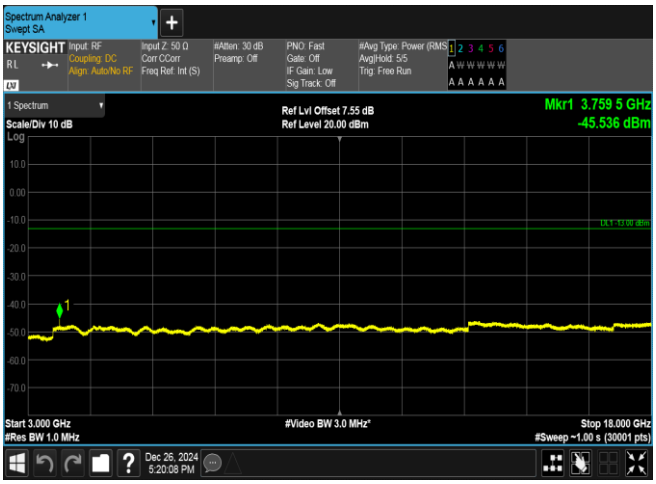
EGPRS1900-661-2-0.15~30MHz-PASS



EGPRS1900-661-2-30~1000MHz-PASS



EGPRS1900-661-2-1000~3000MHz-PASS



EGPRS1900-661-2-3000~18000MHz-PASS

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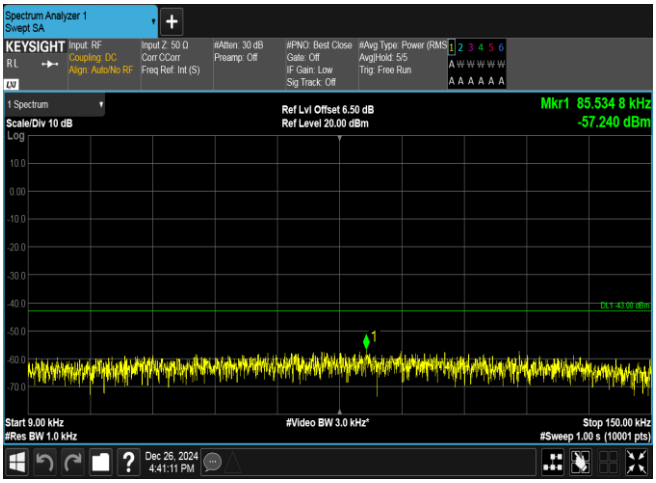
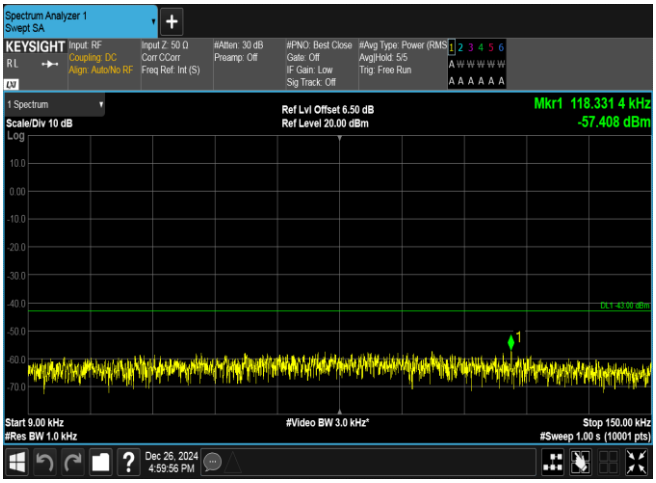
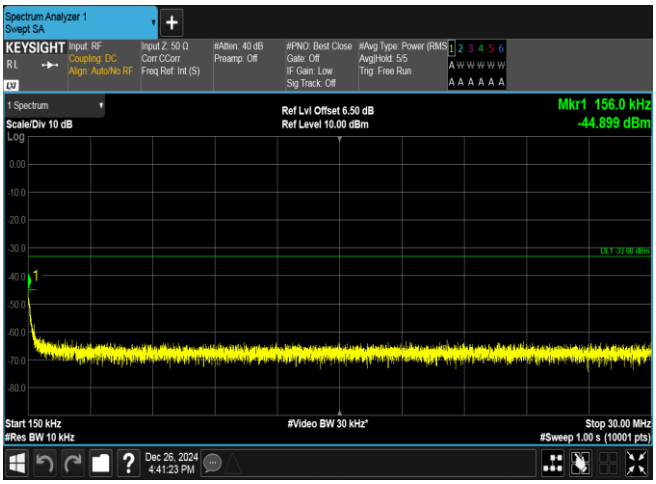


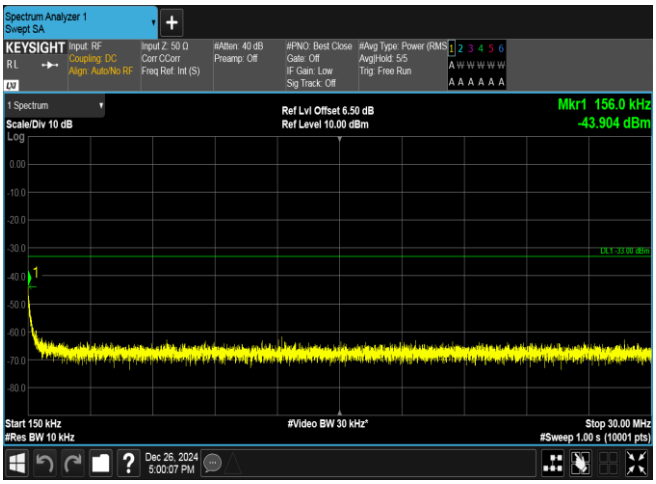
GSM1900-810-0-0.009~0.15MHz-PASS



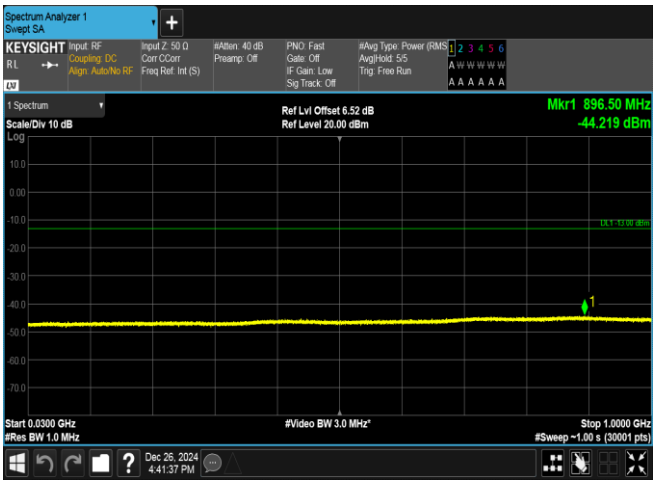
GPRS1900-810-0-0.009~0.15MHz-PASS



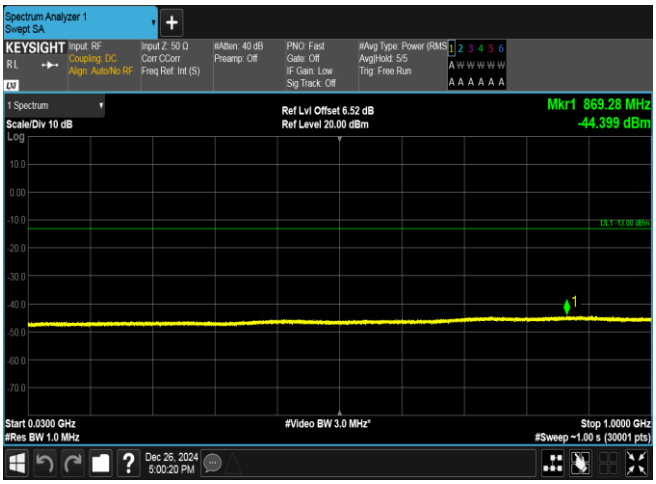
GSM1900-810-0-0.15~30MHz-PASS



GPRS1900-810-0-0.15~30MHz-PASS



GSM1900-810-0-30~1000MHz-PASS



GPRS1900-810-0-30~1000MHz-PASS

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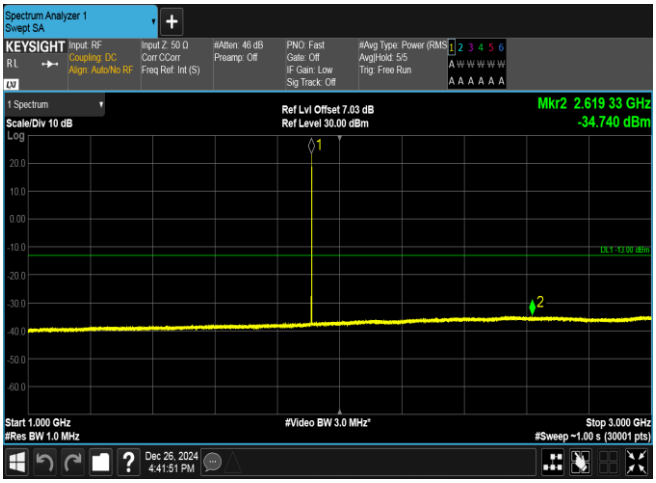
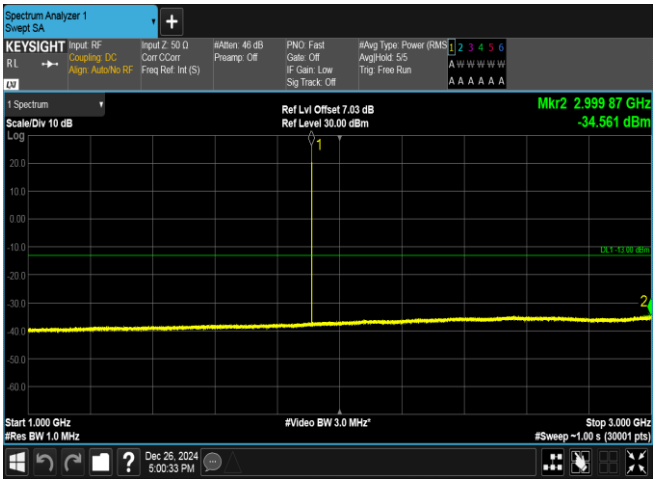
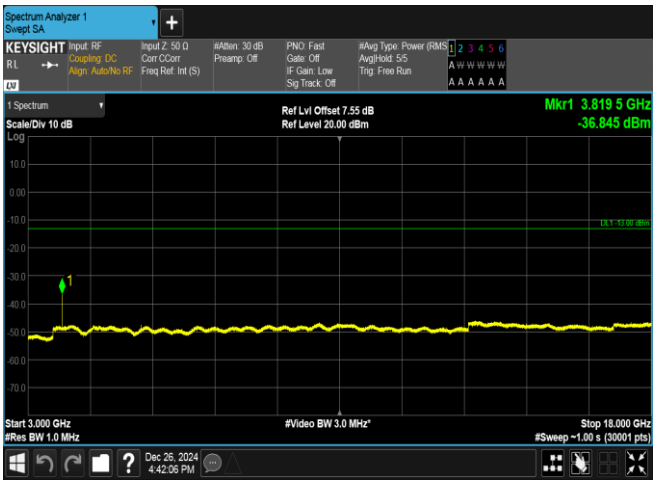


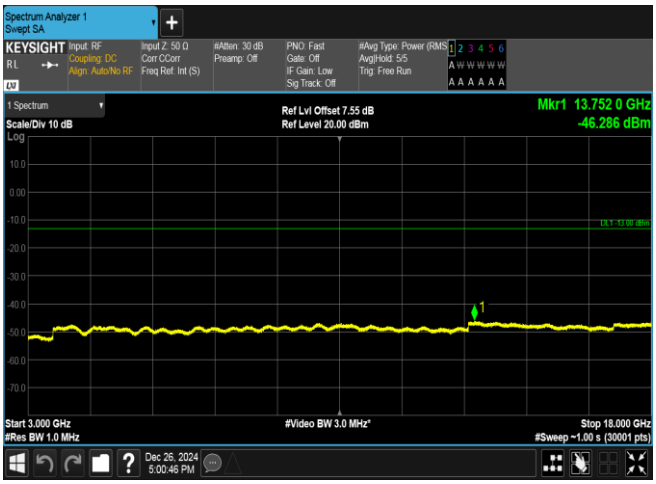
GSM1900-810-0-1000~3000MHz-PASS



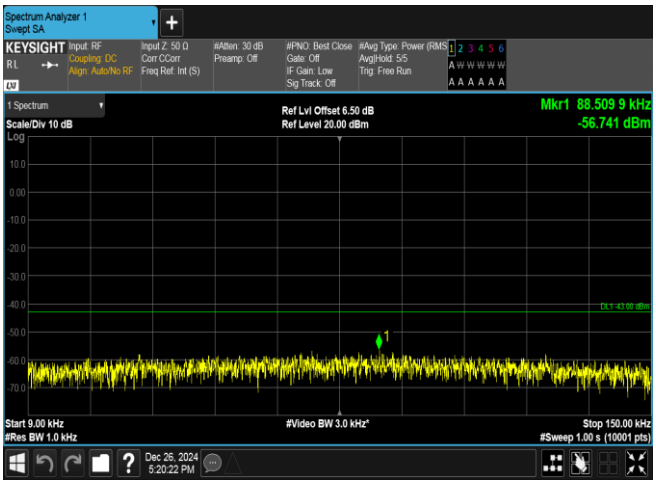
GPRS1900-810-0-1000~3000MHz-PASS



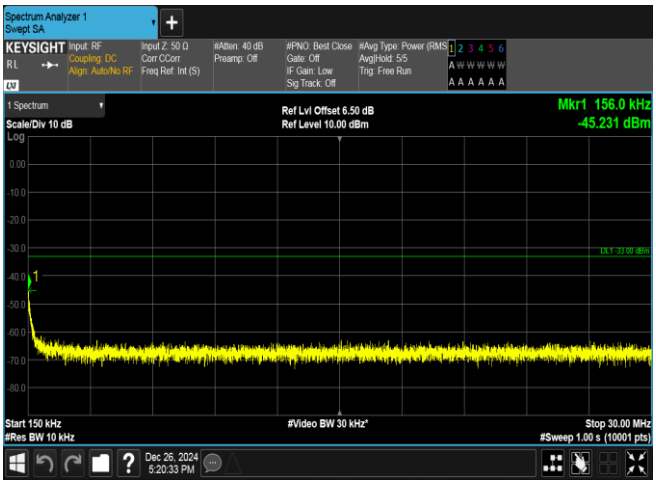
GSM1900-810-0-3000~18000MHz-PASS



GPRS1900-810-0-3000~18000MHz-PASS



EGPRS1900-810-2-0.009~0.15MHz-PASS



EGPRS1900-810-2-0.15~30MHz-PASS

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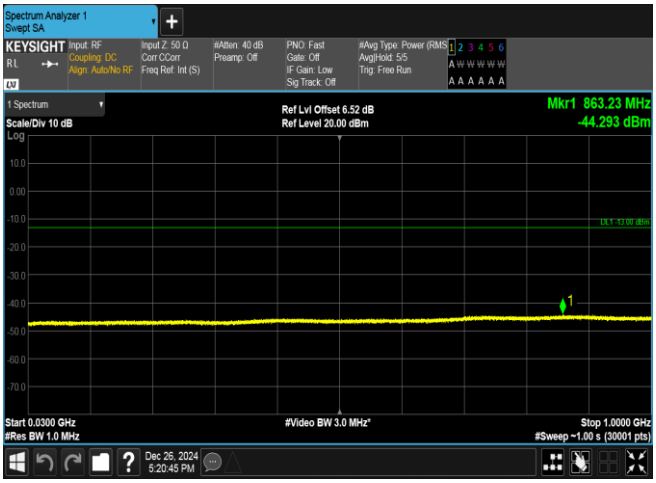
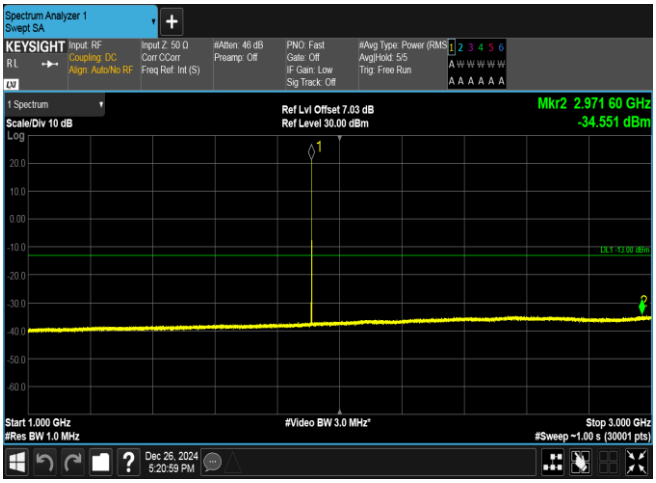
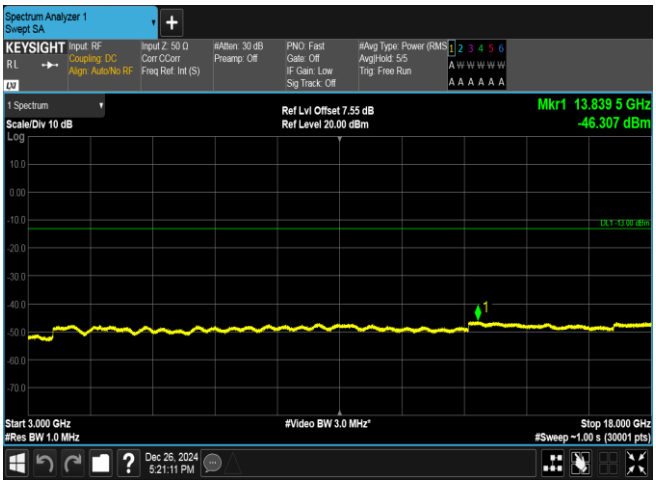


EGPRS1900-810-2-30~1000MHz-PASS



EGPRS1900-810-2-1000~3000MHz-PASS



EGPRS1900-810-2-3000~18000MHz-PASS

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Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BandName	Channel	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	7.59	0.009209	±2.5	PASS
GSM850	128	NV	-20	7.72	0.009367	±2.5	PASS
GSM850	128	NV	-10	9.88	0.011987	±2.5	PASS
GSM850	128	NV	0	7.81	0.009476	±2.5	PASS
GSM850	128	NV	10	8.04	0.009755	±2.5	PASS
GSM850	128	NV	20	8.27	0.010034	±2.5	PASS
GSM850	128	NV	30	5.23	0.006346	±2.5	PASS
GSM850	128	NV	40	6.55	0.007947	±2.5	PASS
GSM850	128	NV	50	5.97	0.007243	±2.5	PASS
GPRS850	128	NV	-30	20.21	0.024521	±2.5	PASS
GPRS850	128	NV	-20	19.34	0.023465	±2.5	PASS
GPRS850	128	NV	-10	18.11	0.021973	±2.5	PASS
GPRS850	128	NV	0	18.95	0.022992	±2.5	PASS
GPRS850	128	NV	10	20.95	0.025419	±2.5	PASS
GPRS850	128	NV	20	20.50	0.024873	±2.5	PASS
GPRS850	128	NV	30	18.34	0.022252	±2.5	PASS
GPRS850	128	NV	40	18.37	0.022288	±2.5	PASS
GPRS850	128	NV	50	18.18	0.022058	±2.5	PASS
EGPRS850	128	NV	-30	24.54	0.029774	±2.5	PASS
EGPRS850	128	NV	-20	24.34	0.029532	±2.5	PASS
EGPRS850	128	NV	-10	24.50	0.029726	±2.5	PASS
EGPRS850	128	NV	0	24.73	0.030005	±2.5	PASS
EGPRS850	128	NV	10	23.67	0.028719	±2.5	PASS
EGPRS850	128	NV	20	23.50	0.028512	±2.5	PASS
EGPRS850	128	NV	30	24.18	0.029338	±2.5	PASS
EGPRS850	128	NV	40	23.67	0.028719	±2.5	PASS
EGPRS850	128	NV	50	23.99	0.029107	±2.5	PASS
GSM850	190	NV	-30	4.71	0.005630	±2.5	PASS
GSM850	190	NV	-20	4.94	0.005905	±2.5	PASS
GSM850	190	NV	-10	7.88	0.009419	±2.5	PASS

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GSM850	190	NV	0	4.26	0.005092	±2.5	PASS
GSM850	190	NV	10	7.20	0.008606	±2.5	PASS
GSM850	190	NV	20	5.59	0.006682	±2.5	PASS
GSM850	190	NV	30	5.97	0.007136	±2.5	PASS
GSM850	190	NV	40	5.17	0.006180	±2.5	PASS
GSM850	190	NV	50	3.94	0.004710	±2.5	PASS
GPRS850	190	NV	-30	19.24	0.022998	±2.5	PASS
GPRS850	190	NV	-20	19.24	0.022998	±2.5	PASS
GPRS850	190	NV	-10	18.92	0.022615	±2.5	PASS
GPRS850	190	NV	0	16.63	0.019878	±2.5	PASS
GPRS850	190	NV	10	17.98	0.021492	±2.5	PASS
GPRS850	190	NV	20	17.76	0.021229	±2.5	PASS
GPRS850	190	NV	30	17.85	0.021336	±2.5	PASS
GPRS850	190	NV	40	18.31	0.021886	±2.5	PASS
GPRS850	190	NV	50	19.24	0.022998	±2.5	PASS
EGPRS850	190	NV	-30	23.31	0.027863	±2.5	PASS
EGPRS850	190	NV	-20	22.79	0.027241	±2.5	PASS
EGPRS850	190	NV	-10	23.34	0.027899	±2.5	PASS
EGPRS850	190	NV	0	22.37	0.026739	±2.5	PASS
EGPRS850	190	NV	10	22.44	0.026823	±2.5	PASS
EGPRS850	190	NV	20	22.41	0.026787	±2.5	PASS
EGPRS850	190	NV	30	22.34	0.026703	±2.5	PASS
EGPRS850	190	NV	40	21.95	0.026237	±2.5	PASS
EGPRS850	190	NV	50	22.28	0.026632	±2.5	PASS
GSM850	251	NV	-30	7.33	0.008636	±2.5	PASS
GSM850	251	NV	-20	8.46	0.009967	±2.5	PASS
GSM850	251	NV	-10	8.59	0.010120	±2.5	PASS
GSM850	251	NV	0	8.36	0.009849	±2.5	PASS
GSM850	251	NV	10	8.85	0.010426	±2.5	PASS
GSM850	251	NV	20	8.46	0.009967	±2.5	PASS
GSM850	251	NV	30	7.49	0.008824	±2.5	PASS
GSM850	251	NV	40	3.78	0.004453	±2.5	PASS
GSM850	251	NV	50	4.52	0.005325	±2.5	PASS
GPRS850	251	NV	-30	21.02	0.024764	±2.5	PASS
GPRS850	251	NV	-20	19.02	0.022408	±2.5	PASS
GPRS850	251	NV	-10	18.92	0.022290	±2.5	PASS
GPRS850	251	NV	0	19.37	0.022820	±2.5	PASS
GPRS850	251	NV	10	19.21	0.022632	±2.5	PASS
GPRS850	251	NV	20	20.28	0.023893	±2.5	PASS

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GPRS850	251	NV	30	19.79	0.023315	±2.5	PASS
GPRS850	251	NV	40	21.60	0.025448	±2.5	PASS
GPRS850	251	NV	50	21.15	0.024918	±2.5	PASS
EGPRS850	251	NV	-30	21.66	0.025518	±2.5	PASS
EGPRS850	251	NV	-20	22.21	0.026166	±2.5	PASS
EGPRS850	251	NV	-10	22.34	0.026320	±2.5	PASS
EGPRS850	251	NV	0	23.70	0.027922	±2.5	PASS
EGPRS850	251	NV	10	23.31	0.027462	±2.5	PASS
EGPRS850	251	NV	20	23.50	0.027686	±2.5	PASS
EGPRS850	251	NV	30	23.34	0.027498	±2.5	PASS
EGPRS850	251	NV	40	22.28	0.026249	±2.5	PASS
EGPRS850	251	NV	50	20.99	0.024729	±2.5	PASS
GSM1900	512	NV	-30	-130.00	-0.070263	±2.5	PASS
GSM1900	512	NV	-20	-290.00	-0.156740	±2.5	PASS
GSM1900	512	NV	-10	-90.00	-0.048643	±2.5	PASS
GSM1900	512	NV	0	150.00	0.081072	±2.5	PASS
GSM1900	512	NV	10	-850.00	-0.459410	±2.5	PASS
GSM1900	512	NV	20	-390.00	-0.210788	±2.5	PASS
GSM1900	512	NV	30	820.00	0.443195	±2.5	PASS
GSM1900	512	NV	40	-170.00	-0.091882	±2.5	PASS
GSM1900	512	NV	50	-760.00	-0.410766	±2.5	PASS
GPRS1900	512	NV	-30	-500.00	-0.270241	±2.5	PASS
GPRS1900	512	NV	-20	-290.00	-0.156740	±2.5	PASS
GPRS1900	512	NV	-10	20.00	0.010810	±2.5	PASS
GPRS1900	512	NV	0	220.00	0.118906	±2.5	PASS
GPRS1900	512	NV	10	60.00	0.032429	±2.5	PASS
GPRS1900	512	NV	20	-610.00	-0.329694	±2.5	PASS
GPRS1900	512	NV	30	440.00	0.237812	±2.5	PASS
GPRS1900	512	NV	40	-260.00	-0.140525	±2.5	PASS
GPRS1900	512	NV	50	500.00	0.270241	±2.5	PASS
EGPRS1900	512	NV	-30	1040.00	0.562101	±2.5	PASS
EGPRS1900	512	NV	-20	680.00	0.367528	±2.5	PASS
EGPRS1900	512	NV	-10	-150.00	-0.081072	±2.5	PASS
EGPRS1900	512	NV	0	-640.00	-0.345909	±2.5	PASS
EGPRS1900	512	NV	10	-1720.00	-0.929629	±2.5	PASS
EGPRS1900	512	NV	20	150.00	0.081072	±2.5	PASS
EGPRS1900	512	NV	30	910.00	0.491839	±2.5	PASS
EGPRS1900	512	NV	40	910.00	0.491839	±2.5	PASS
EGPRS1900	512	NV	50	810.00	0.437791	±2.5	PASS

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GSM1900	661	NV	-30	450.00	0.239362	±2.5	PASS
GSM1900	661	NV	-20	1550.00	0.824468	±2.5	PASS
GSM1900	661	NV	-10	330.00	0.175532	±2.5	PASS
GSM1900	661	NV	0	510.00	0.271277	±2.5	PASS
GSM1900	661	NV	10	590.00	0.313830	±2.5	PASS
GSM1900	661	NV	20	410.00	0.218085	±2.5	PASS
GSM1900	661	NV	30	20.00	0.010638	±2.5	PASS
GSM1900	661	NV	40	-1010.00	-0.537234	±2.5	PASS
GSM1900	661	NV	50	80.00	0.042553	±2.5	PASS
GPRS1900	661	NV	-30	-610.00	-0.324468	±2.5	PASS
GPRS1900	661	NV	-20	-350.00	-0.186170	±2.5	PASS
GPRS1900	661	NV	-10	1230.00	0.654255	±2.5	PASS
GPRS1900	661	NV	0	630.00	0.335106	±2.5	PASS
GPRS1900	661	NV	10	340.00	0.180851	±2.5	PASS
GPRS1900	661	NV	20	190.00	0.101064	±2.5	PASS
GPRS1900	661	NV	30	390.00	0.207447	±2.5	PASS
GPRS1900	661	NV	40	730.00	0.388298	±2.5	PASS
GPRS1900	661	NV	50	-680.00	-0.361702	±2.5	PASS
EGPRS1900	661	NV	-30	870.00	0.462766	±2.5	PASS
EGPRS1900	661	NV	-20	-960.00	-0.510638	±2.5	PASS
EGPRS1900	661	NV	-10	-1050.00	-0.558511	±2.5	PASS
EGPRS1900	661	NV	0	-1040.00	-0.553191	±2.5	PASS
EGPRS1900	661	NV	10	-1210.00	-0.643617	±2.5	PASS
EGPRS1900	661	NV	20	-210.00	-0.111702	±2.5	PASS
EGPRS1900	661	NV	30	180.00	0.095745	±2.5	PASS
EGPRS1900	661	NV	40	310.00	0.164894	±2.5	PASS
EGPRS1900	661	NV	50	-1630.00	-0.867021	±2.5	PASS
GSM1900	810	NV	-30	-170.00	-0.089015	±2.5	PASS
GSM1900	810	NV	-20	-680.00	-0.356058	±2.5	PASS
GSM1900	810	NV	-10	340.00	0.178029	±2.5	PASS
GSM1900	810	NV	0	-480.00	-0.251335	±2.5	PASS
GSM1900	810	NV	10	220.00	0.115195	±2.5	PASS
GSM1900	810	NV	20	-730.00	-0.382239	±2.5	PASS
GSM1900	810	NV	30	370.00	0.193738	±2.5	PASS
GSM1900	810	NV	40	-130.00	-0.068070	±2.5	PASS
GSM1900	810	NV	50	340.00	0.178029	±2.5	PASS
GPRS1900	810	NV	-30	-200.00	-0.104723	±2.5	PASS
GPRS1900	810	NV	-20	-260.00	-0.136140	±2.5	PASS
GPRS1900	810	NV	-10	-700.00	-0.366531	±2.5	PASS

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GPRS1900	810	NV	0	360.00	0.188501	±2.5	PASS
GPRS1900	810	NV	10	-100.00	-0.052362	±2.5	PASS
GPRS1900	810	NV	20	880.00	0.460781	±2.5	PASS
GPRS1900	810	NV	30	-1070.00	-0.560268	±2.5	PASS
GPRS1900	810	NV	40	-170.00	-0.089015	±2.5	PASS
GPRS1900	810	NV	50	570.00	0.298461	±2.5	PASS
EGPRS1900	810	NV	-30	-410.00	-0.214682	±2.5	PASS
EGPRS1900	810	NV	-20	-800.00	-0.418892	±2.5	PASS
EGPRS1900	810	NV	-10	-420.00	-0.219918	±2.5	PASS
EGPRS1900	810	NV	0	-750.00	-0.392711	±2.5	PASS
EGPRS1900	810	NV	10	-10.00	-0.005236	±2.5	PASS
EGPRS1900	810	NV	20	-660.00	-0.345586	±2.5	PASS
EGPRS1900	810	NV	30	-1330.00	-0.696408	±2.5	PASS
EGPRS1900	810	NV	40	-400.00	-0.209446	±2.5	PASS
EGPRS1900	810	NV	50	-600.00	-0.314169	±2.5	PASS

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