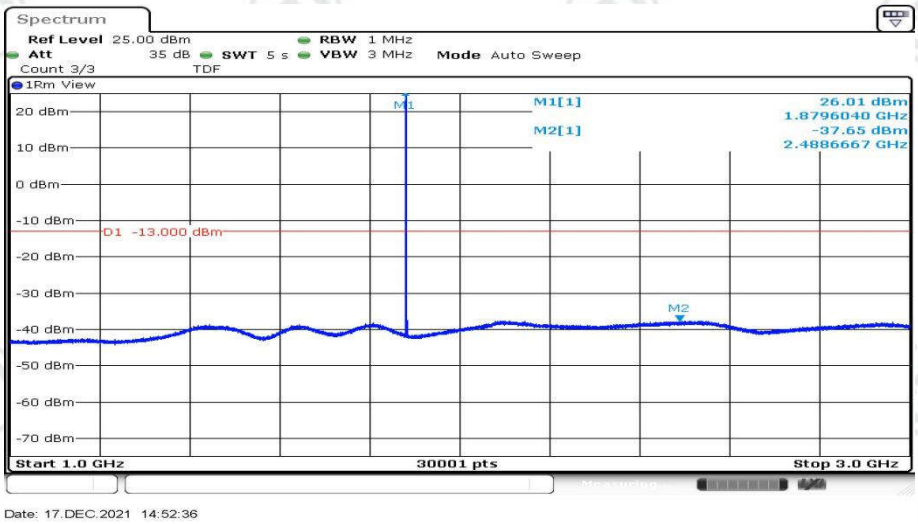
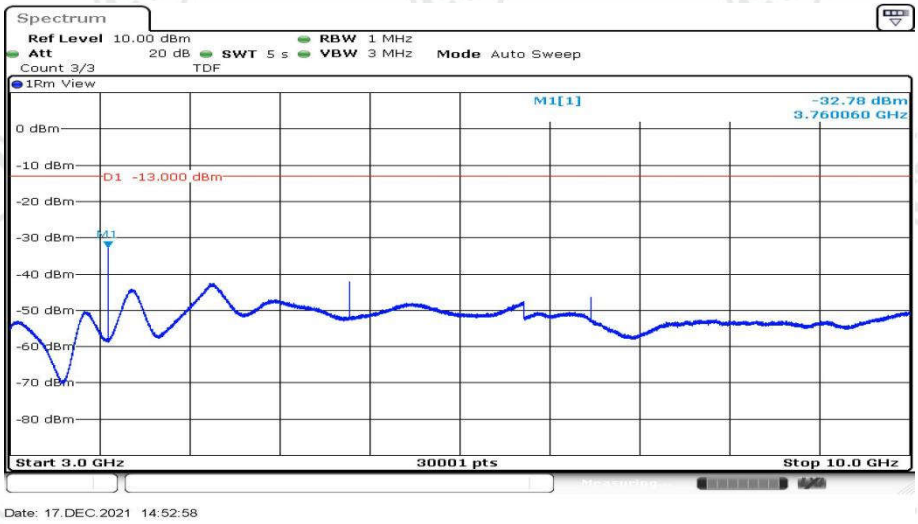
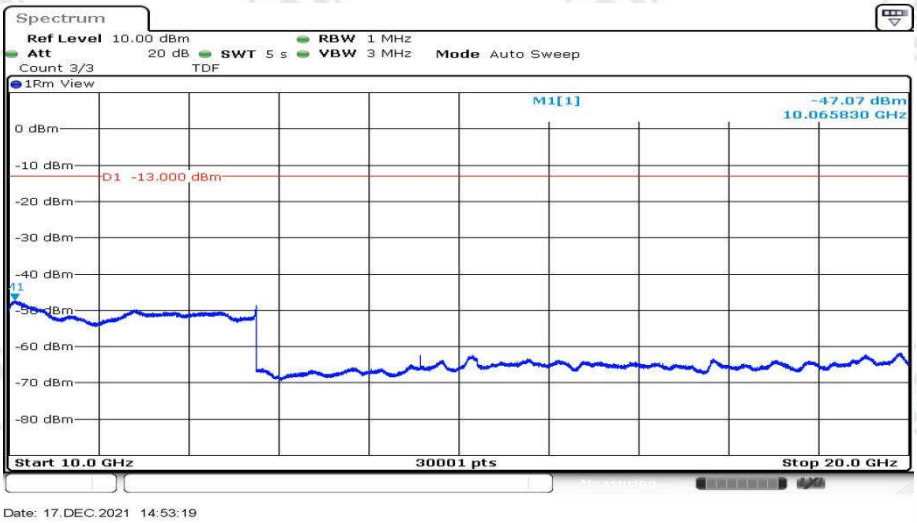
GSM1900-810-1000~3000MHz



GSM1900-810-3000~10000MHz

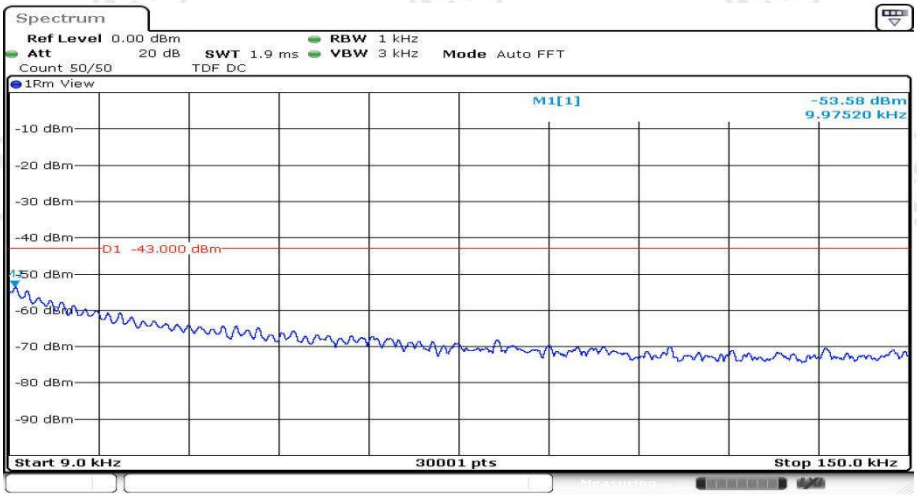


GSM1900-810-10000~20000MHz



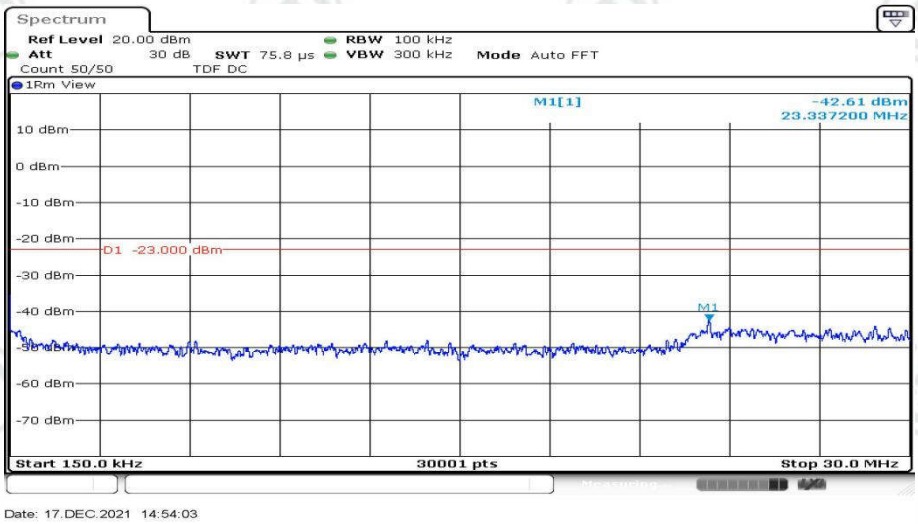
Date: 17.DEC.2021 14:53:19

GPRS1900-512-0.009~0.15MHz



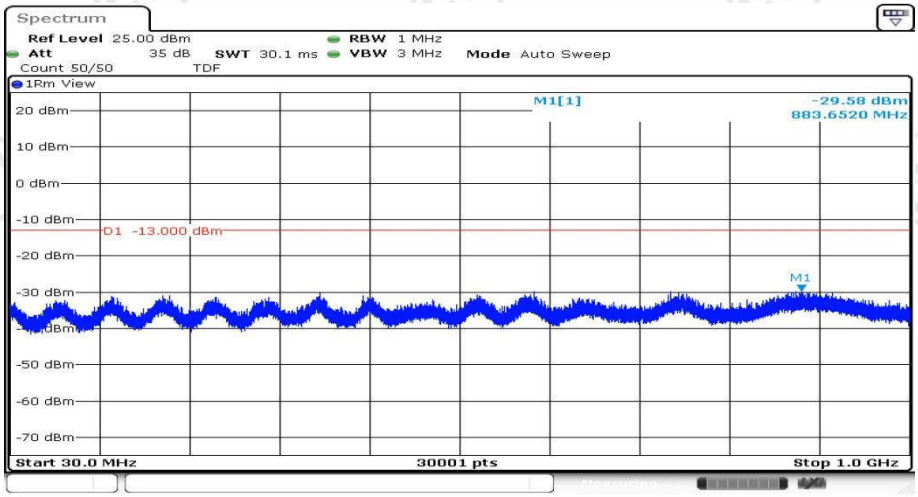
Date: 17.DEC.2021 14:53:58

GPRS1900-512-0.15~30MHz



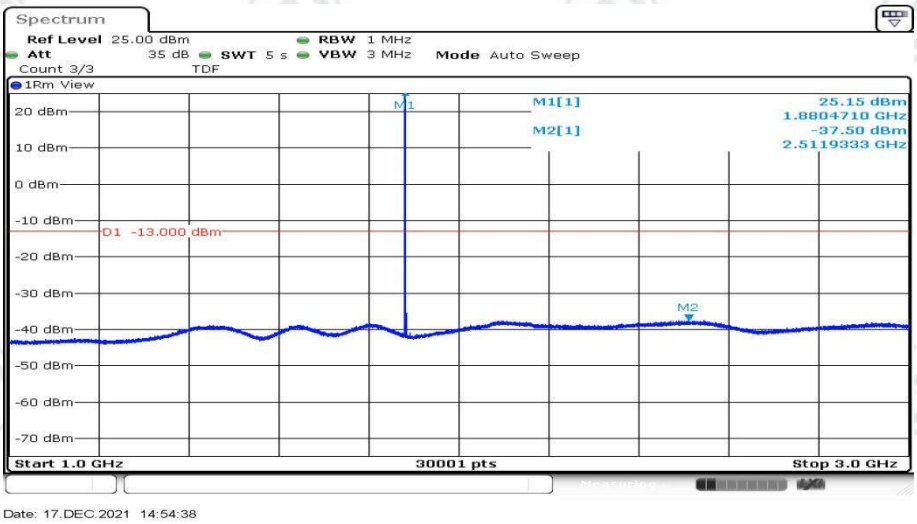
Date: 17.DEC.2021 14:54:03

GPRS1900-512-30~1000MHz

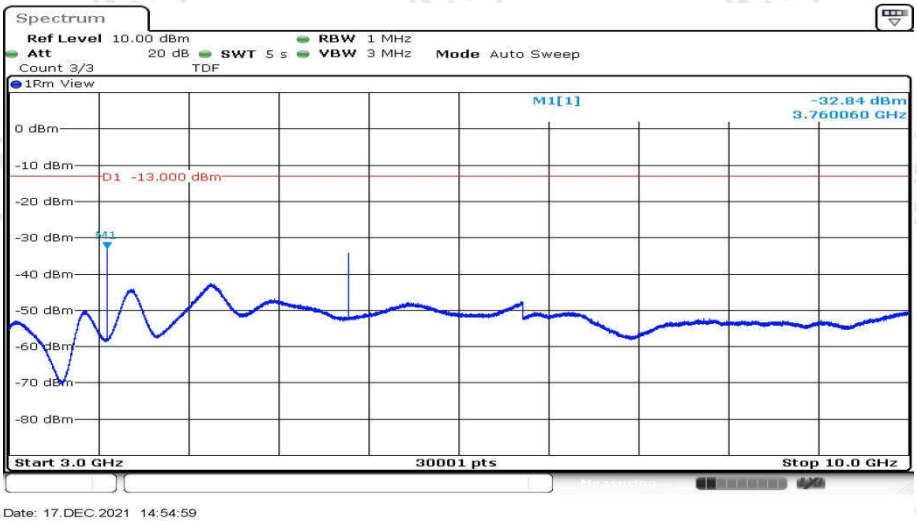


Date: 17.DEC.2021 14:54:15

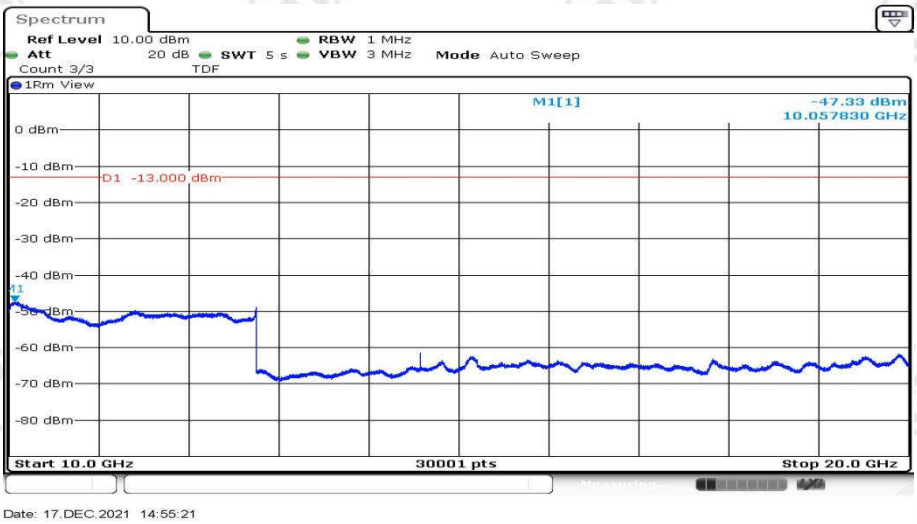
GPRS1900-512-1000~3000MHz



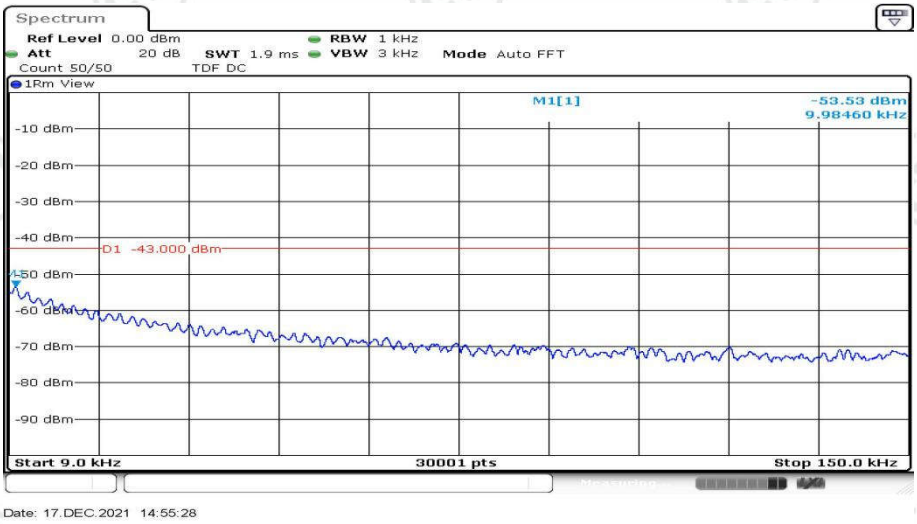
GPRS1900-512-3000~10000MHz



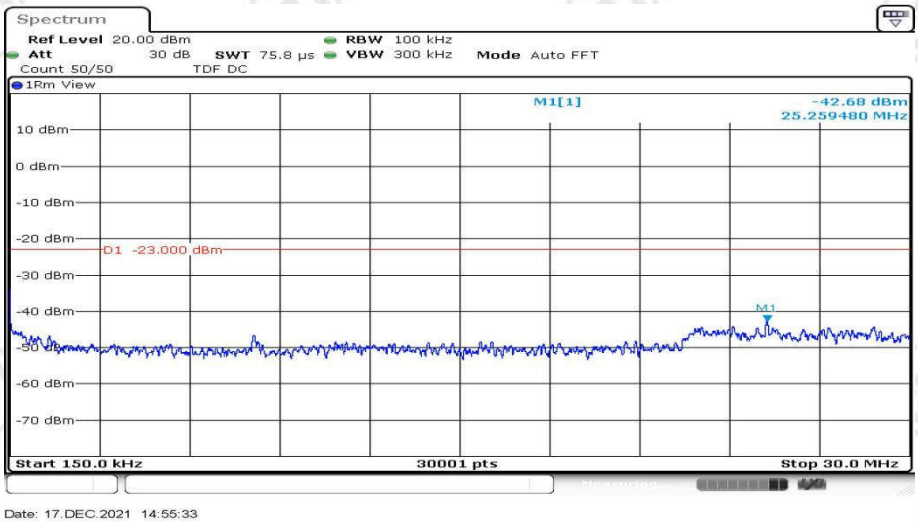
GPRS1900-512-10000~20000MHz



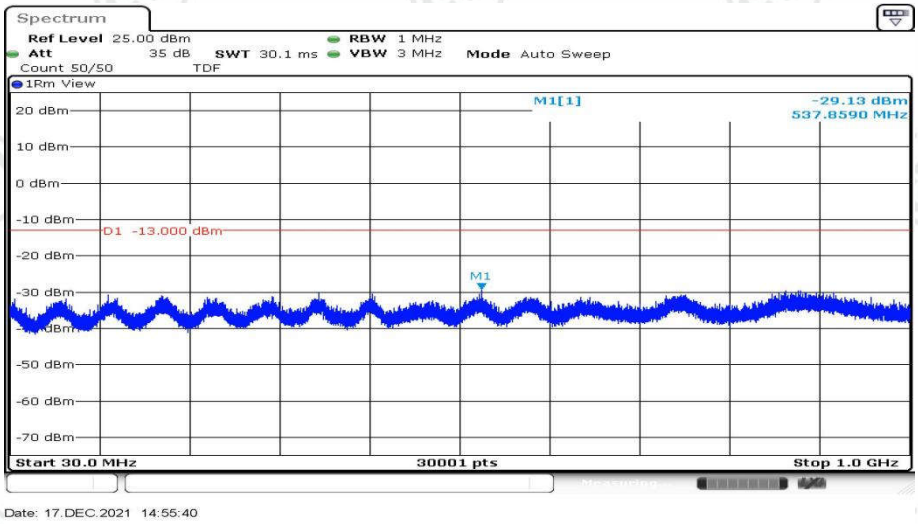
GPRS1900-661-0.009~0.15MHz



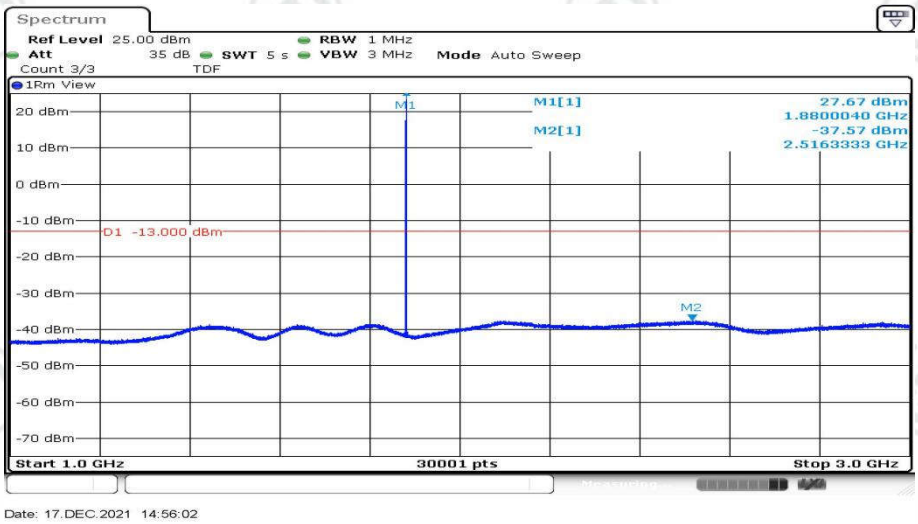
GPRS1900-661-0.15~30MHz



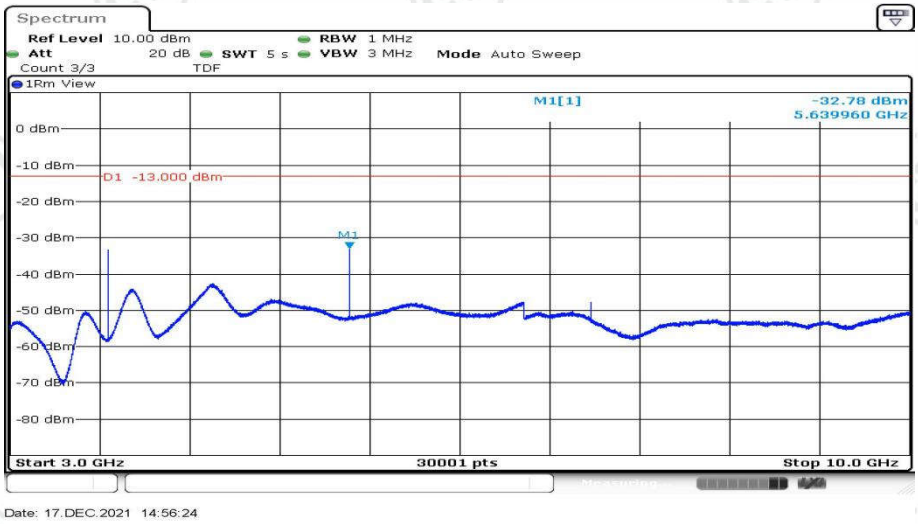
GPRS1900-661-30~1000MHz



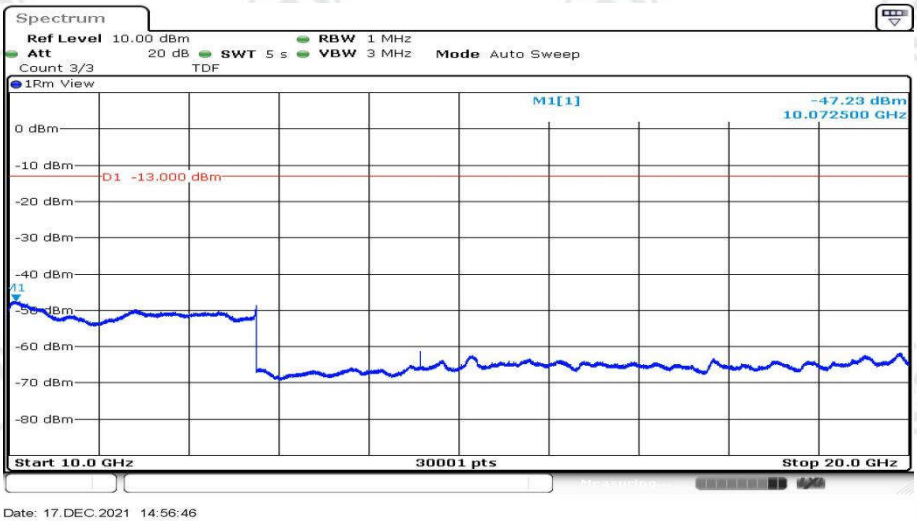
GPRS1900-661-1000~3000MHz



GPRS1900-661-3000~10000MHz

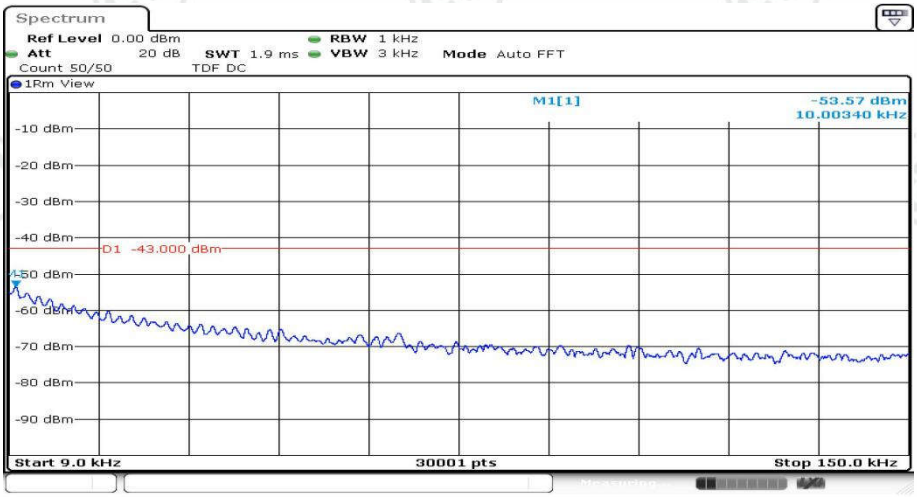


GPRS1900-661-10000~20000MHz



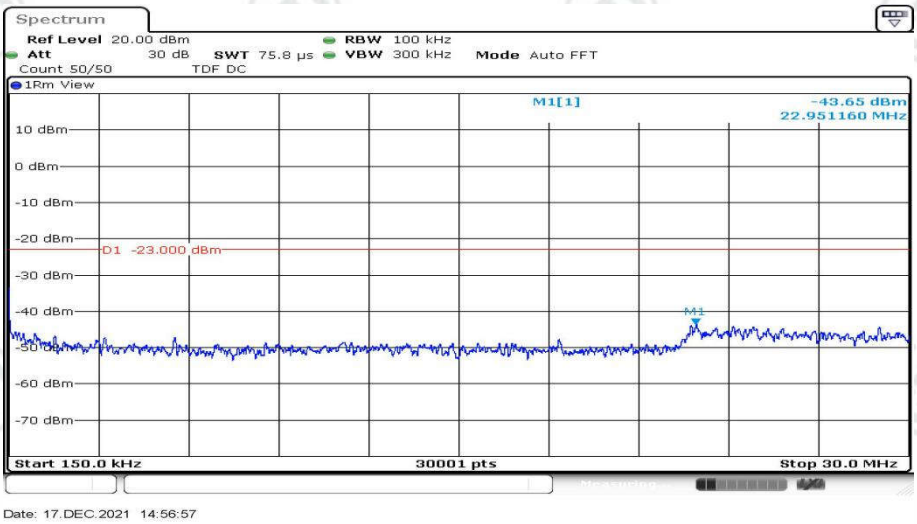
Date: 17.DEC.2021 14:56:46

GPRS1900-810-0.009~0.15MHz

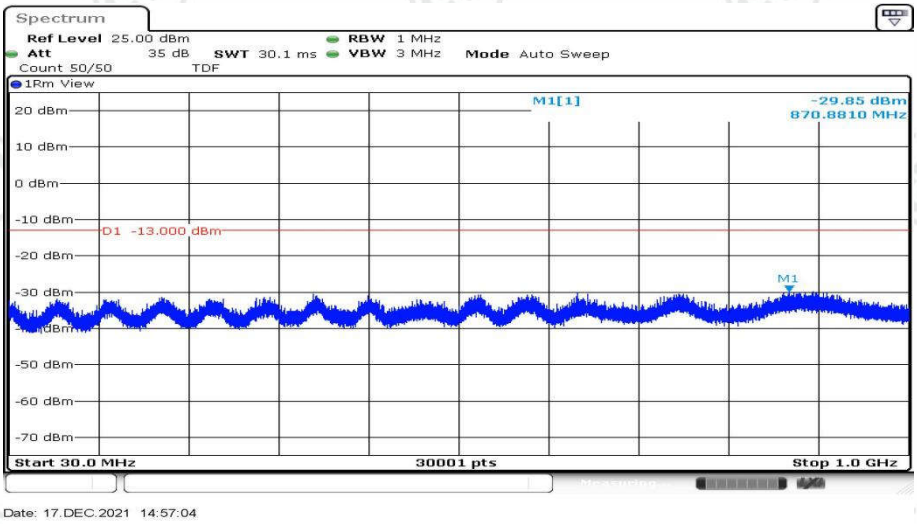


Date: 17.DEC.2021 14:56:52

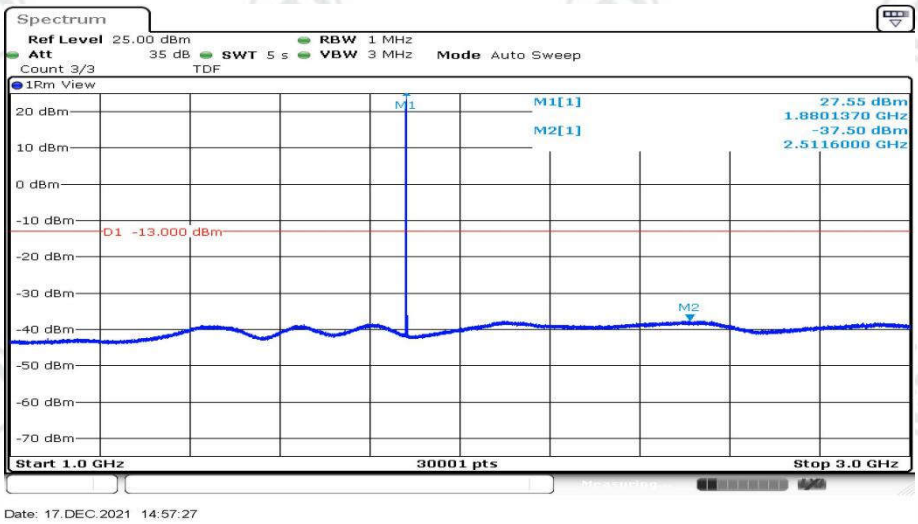
GPRS1900-810-0.15~30MHz



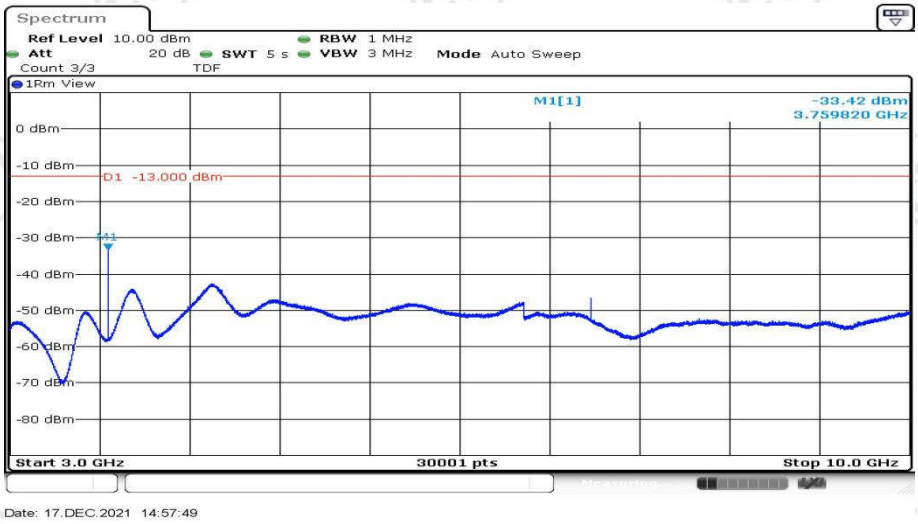
GPRS1900-810-30~1000MHz



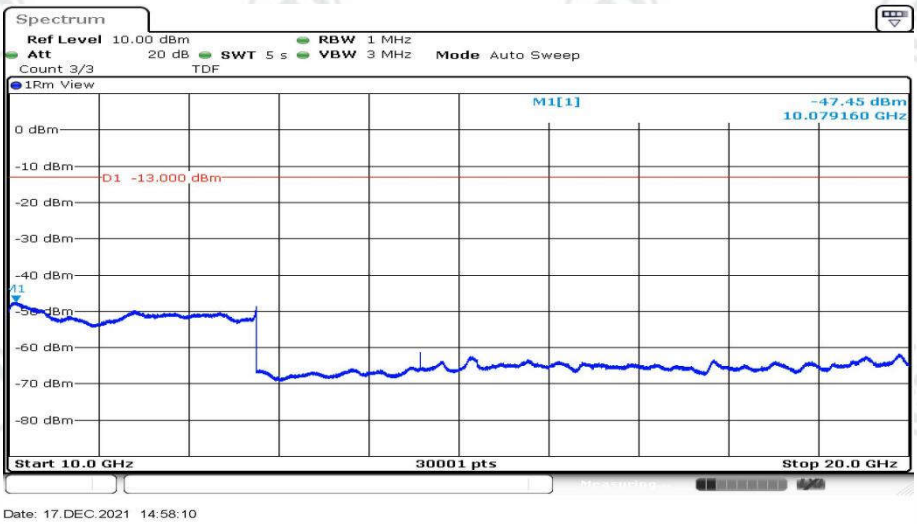
GPRS1900-810-1000~3000MHz



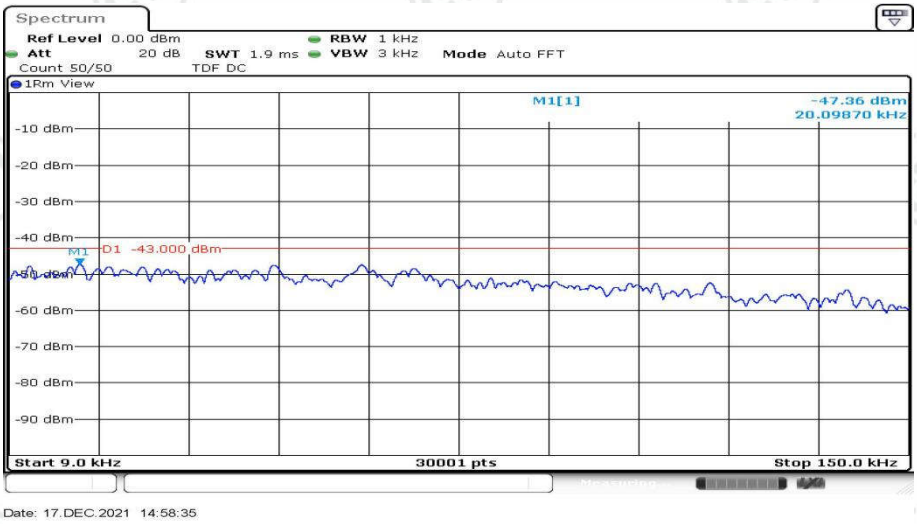
GPRS1900-810-3000~10000MHz



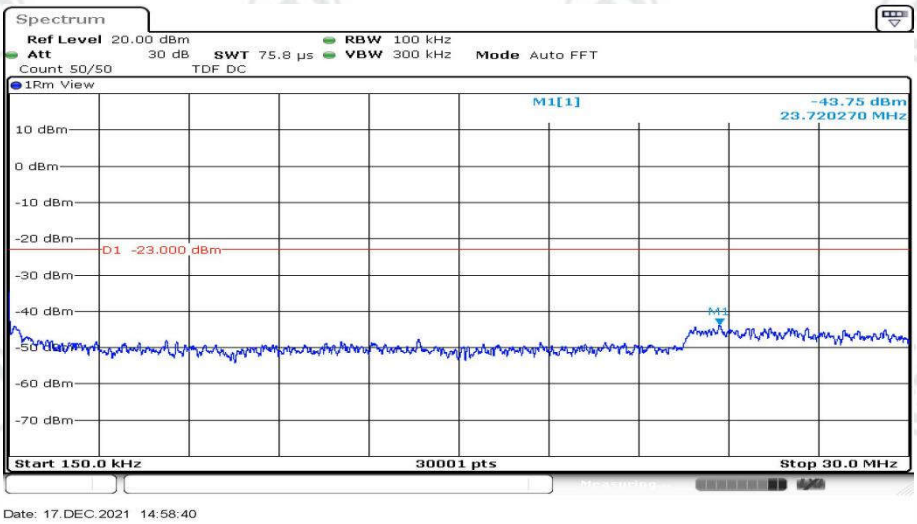
GPRS1900-810-10000~20000MHz



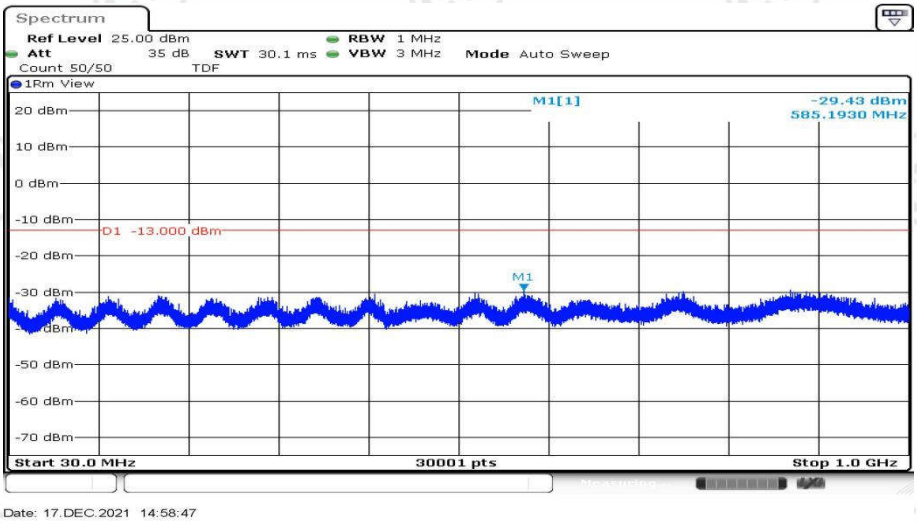
EGPRS1900-512-0.009~0.15MHz



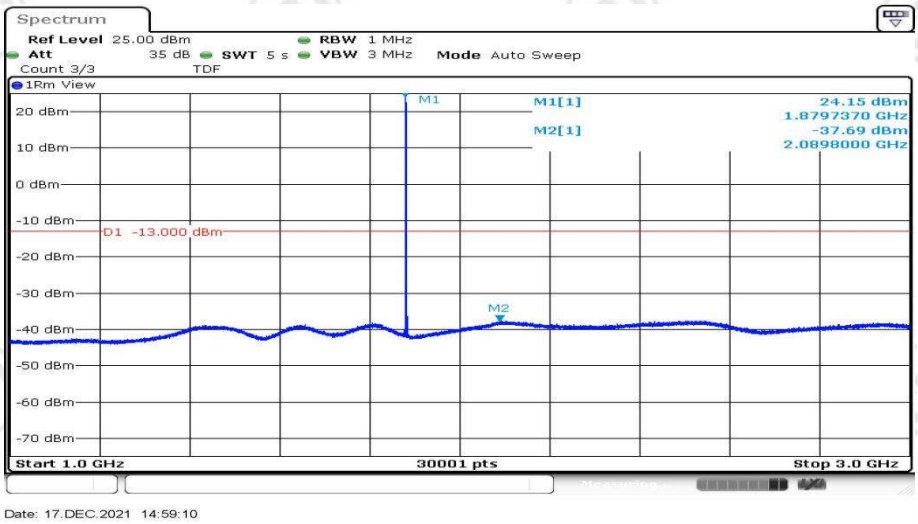
EGPRS1900-512-0.15~30MHz



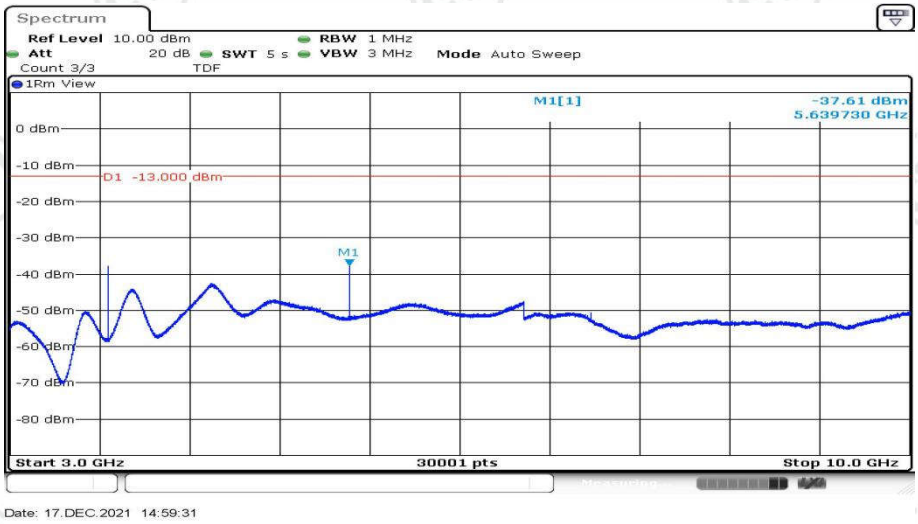
EGPRS1900-512-30~1000MHz



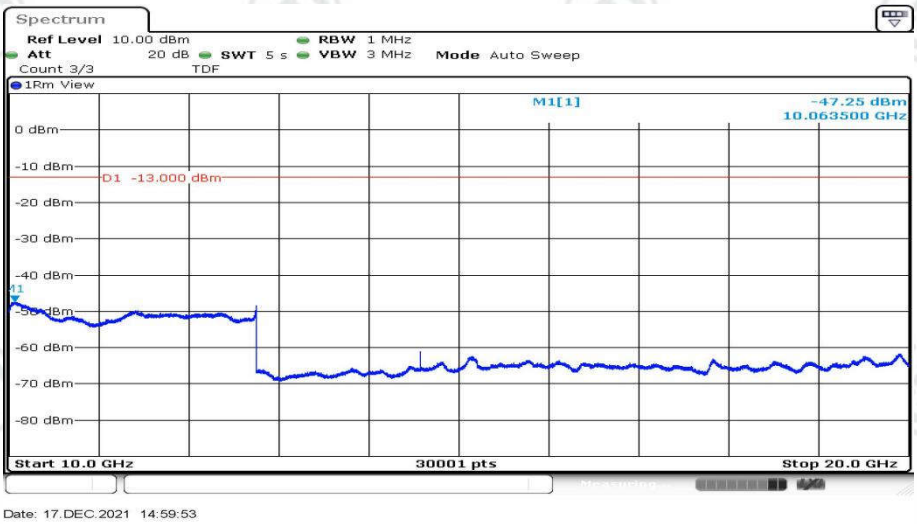
EGPRS1900-512-1000~3000MHz



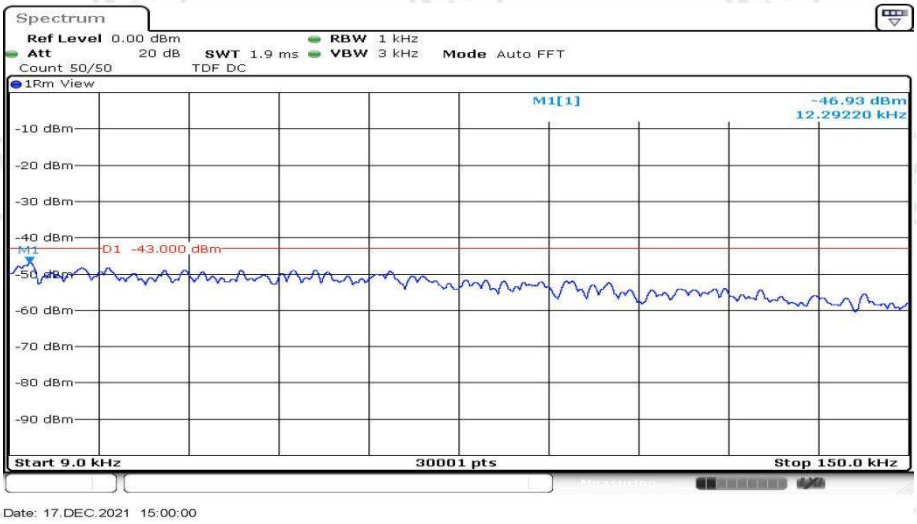
EGPRS1900-512-3000~10000MHz



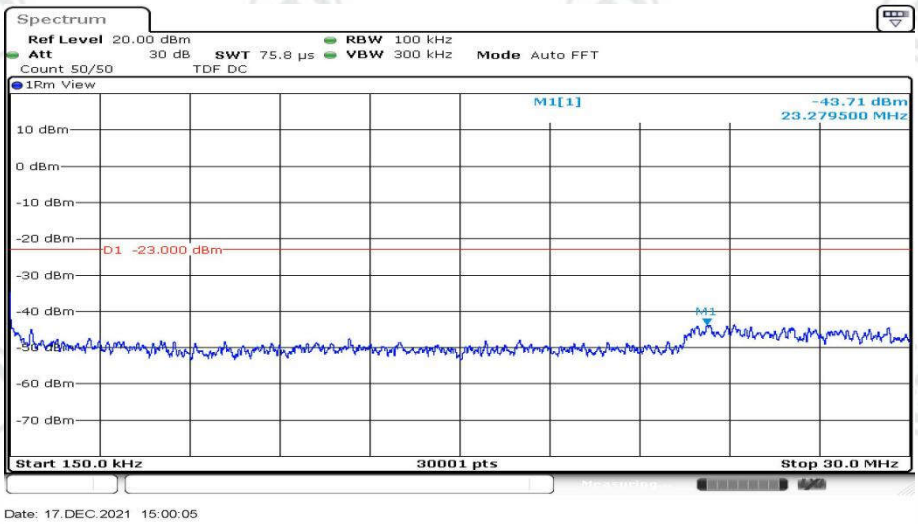
EGPRS1900-512-10000~20000MHz



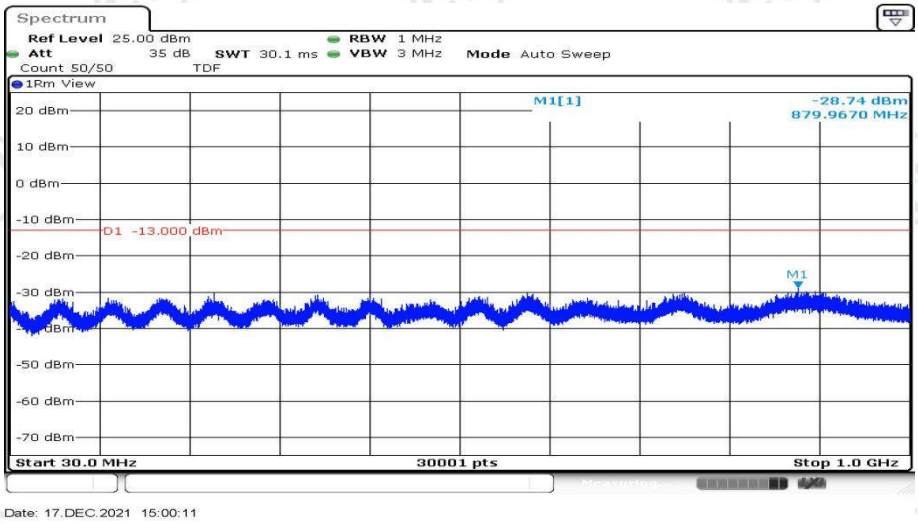
EGPRS1900-661-0.009~0.15MHz



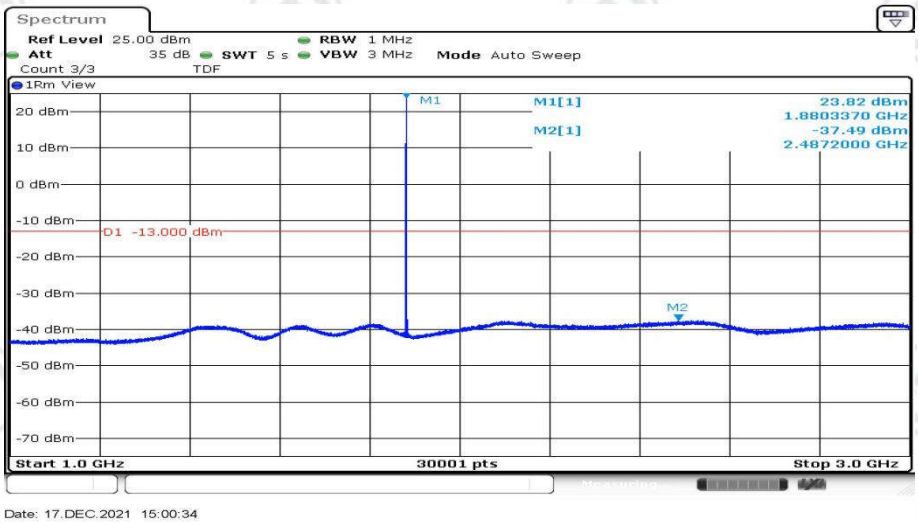
EGPRS1900-661-0.15~30MHz



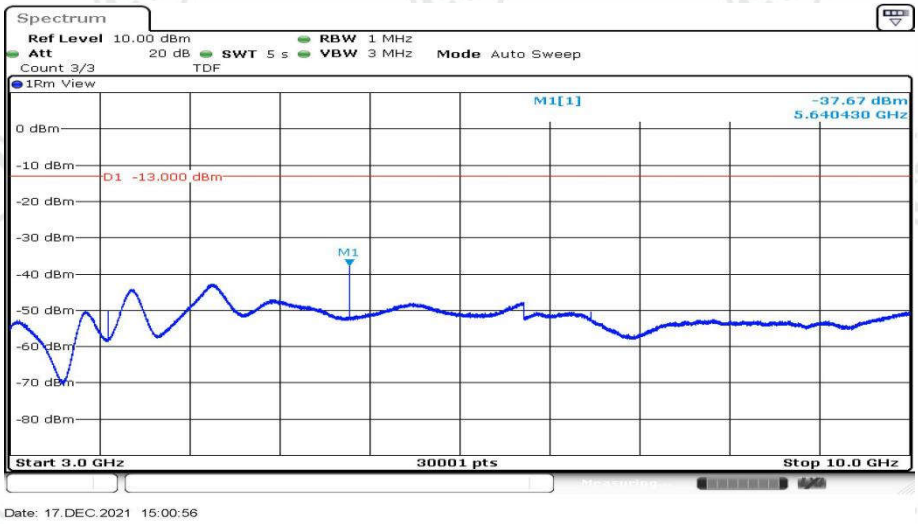
EGPRS1900-661-30~1000MHz



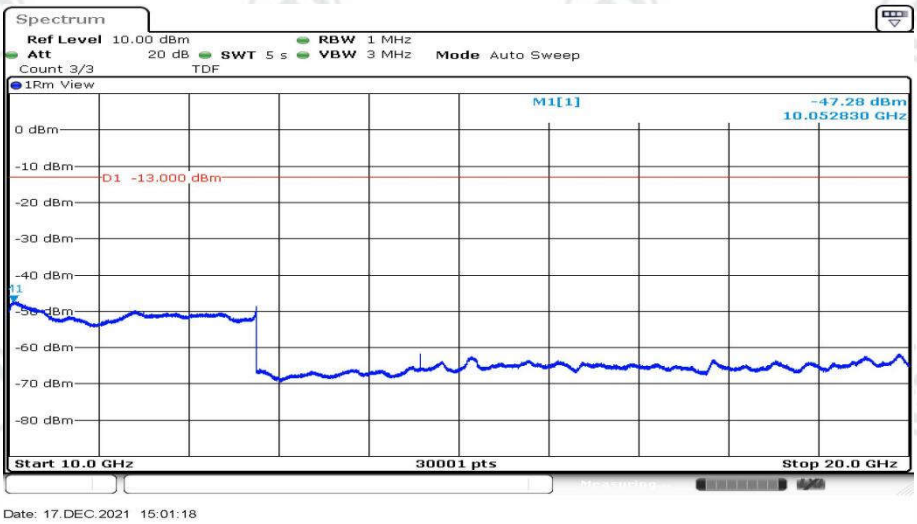
EGPRS1900-661-1000~3000MHz



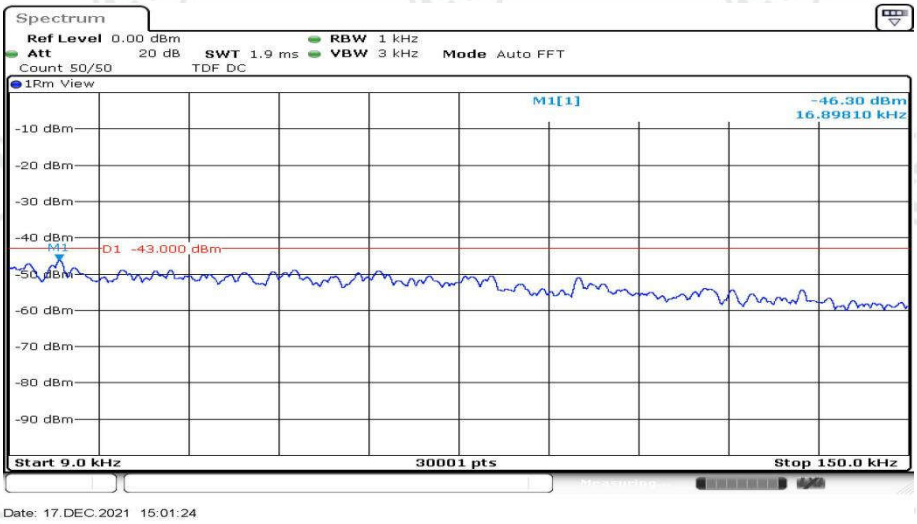
EGPRS1900-661-3000~10000MHz



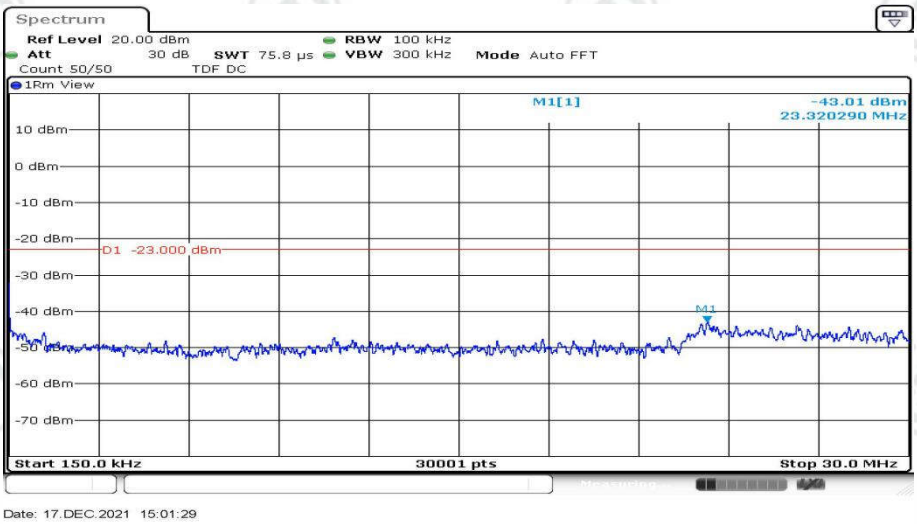
EGPRS1900-661-10000~20000MHz



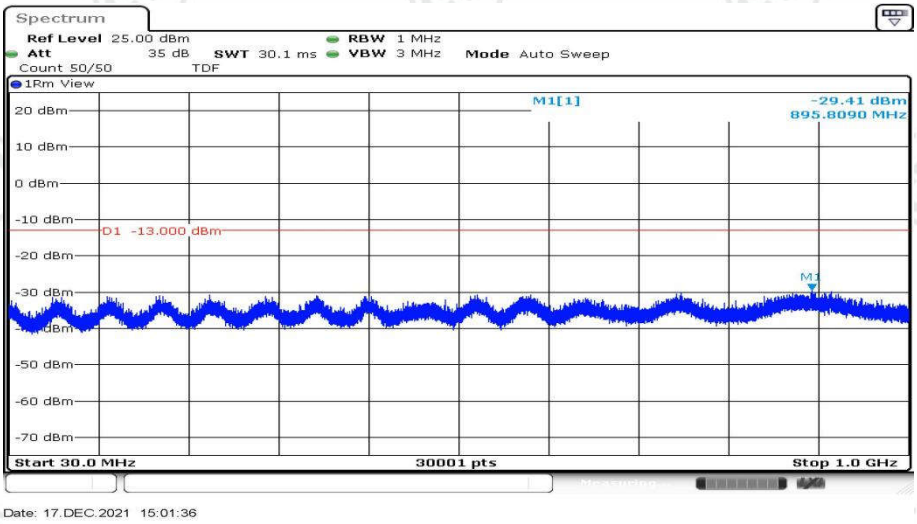
EGPRS1900-810-0.009~0.15MHz



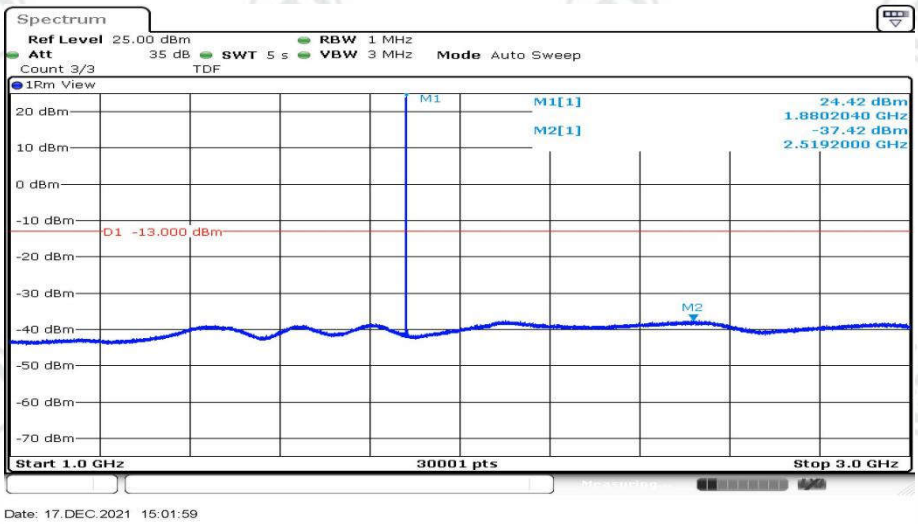
EGPRS1900-810-0.15~30MHz



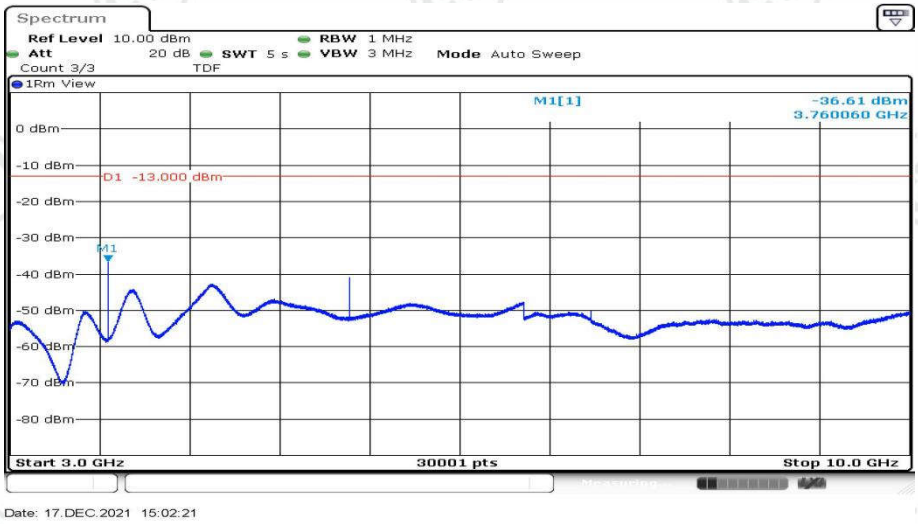
EGPRS1900-810-30~1000MHz



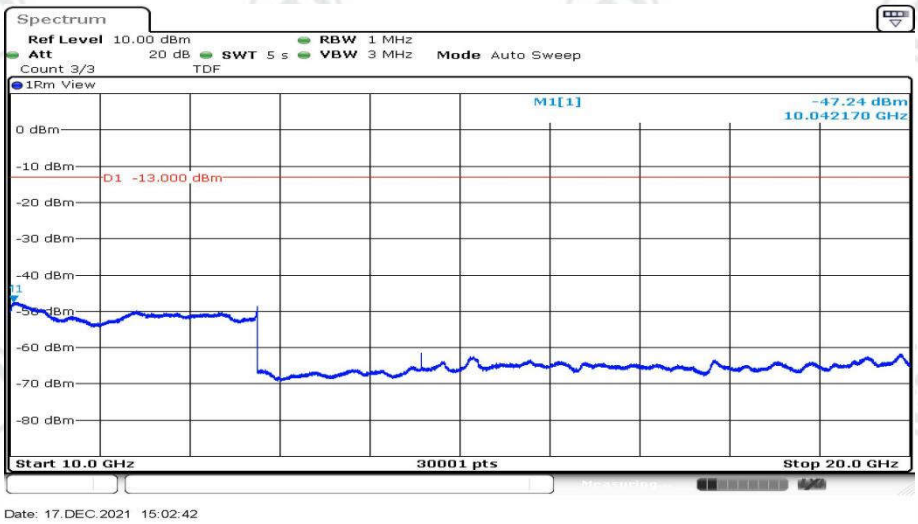
EGPRS1900-810-1000~3000MHz



EGPRS1900-810-3000~10000MHz



EGPRS1900-810-10000~20000MHz



Appendix F: Frequency Stability

Test Result

Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	NT	4.14	0.005023	±2.5	PASS
GSM850	128	VN	NT	7.24	0.008784	±2.5	PASS
GSM850	128	VH	NT	5.97	0.007243	±2.5	PASS
GSM850	190	VL	NT	10.28	0.012288	±2.5	PASS
GSM850	190	VN	NT	7.45	0.008905	±2.5	PASS
GSM850	190	VH	NT	10.93	0.013065	±2.5	PASS
GSM850	251	VL	NT	7.05	0.008306	±2.5	PASS
GSM850	251	VN	NT	8.61	0.010144	±2.5	PASS
GSM850	251	VH	NT	6.65	0.007835	±2.5	PASS
GPRS850	128	VL	NT	3.96	0.004805	±2.5	PASS
GPRS850	128	VN	NT	5.26	0.006382	±2.5	PASS
GPRS850	128	VH	NT	7.56	0.009173	±2.5	PASS
GPRS850	190	VL	NT	6.71	0.008021	±2.5	PASS
GPRS850	190	VN	NT	2.13	0.002546	±2.5	PASS
GPRS850	190	VH	NT	6.32	0.007554	±2.5	PASS
GPRS850	251	VL	NT	4.64	0.005467	±2.5	PASS
GPRS850	251	VN	NT	2.69	0.003169	±2.5	PASS
GPRS850	251	VH	NT	5.47	0.006444	±2.5	PASS
EGPRS850	128	VL	NT	3.47	0.004210	±2.5	PASS
EGPRS850	128	VN	NT	0.60	0.000728	±2.5	PASS
EGPRS850	128	VH	NT	3.86	0.004683	±2.5	PASS
EGPRS850	190	VL	NT	5.84	0.006981	±2.5	PASS
EGPRS850	190	VN	NT	1.81	0.002164	±2.5	PASS
EGPRS850	190	VH	NT	6.82	0.008152	±2.5	PASS
EGPRS850	251	VL	NT	4.58	0.005396	±2.5	PASS
EGPRS850	251	VN	NT	3.47	0.004088	±2.5	PASS
EGPRS850	251	VH	NT	5.75	0.006774	±2.5	PASS
GSM1900	512	VL	NT	32.70	0.017674	±2.5	PASS
GSM1900	512	VN	NT	29.35	0.015863	±2.5	PASS
GSM1900	512	VH	NT	32.24	0.017425	±2.5	PASS
GSM1900	661	VL	NT	22.48	0.011957	±2.5	PASS
GSM1900	661	VN	NT	24.82	0.013202	±2.5	PASS
GSM1900	661	VH	NT	28.06	0.014926	±2.5	PASS

GSM1900	810	VL	NT	27.69	0.014499	±2.5	PASS
GSM1900	810	VN	NT	29.22	0.015300	±2.5	PASS
GSM1900	810	VH	NT	26.58	0.013918	±2.5	PASS
GPRS1900	512	VL	NT	18.28	0.009880	±2.5	PASS
GPRS1900	512	VN	NT	23.10	0.012485	±2.5	PASS
GPRS1900	512	VH	NT	23.85	0.012890	±2.5	PASS
GPRS1900	661	VL	NT	14.45	0.007686	±2.5	PASS
GPRS1900	661	VN	NT	18.06	0.009606	±2.5	PASS
GPRS1900	661	VH	NT	20.36	0.010830	±2.5	PASS
GPRS1900	810	VL	NT	18.59	0.009734	±2.5	PASS
GPRS1900	810	VN	NT	22.02	0.011530	±2.5	PASS
GPRS1900	810	VH	NT	24.80	0.012986	±2.5	PASS
EGPRS1900	512	VL	NT	24.33	0.013150	±2.5	PASS
EGPRS1900	512	VN	NT	18.41	0.009950	±2.5	PASS
EGPRS1900	512	VH	NT	20.03	0.010826	±2.5	PASS
EGPRS1900	661	VL	NT	21.55	0.011463	±2.5	PASS
EGPRS1900	661	VN	NT	17.85	0.009495	±2.5	PASS
EGPRS1900	661	VH	NT	15.77	0.008388	±2.5	PASS
EGPRS1900	810	VL	NT	16.99	0.008896	±2.5	PASS
EGPRS1900	810	VN	NT	18.76	0.009823	±2.5	PASS
EGPRS1900	810	VH	NT	18.22	0.009540	±2.5	PASS

Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	1.57	0.001905	±2.5	PASS
GSM850	128	NV	-20	8.22	0.009973	±2.5	PASS
GSM850	128	NV	-10	2.90	0.003519	±2.5	PASS
GSM850	128	NV	0	1.62	0.001966	±2.5	PASS
GSM850	128	NV	10	3.58	0.004344	±2.5	PASS
GSM850	128	NV	20	0.98	0.001189	±2.5	PASS
GSM850	128	NV	30	2.41	0.002924	±2.5	PASS
GSM850	128	NV	40	4.43	0.005375	±2.5	PASS
GSM850	128	NV	50	-7.44	-0.009027	±2.5	PASS
GSM850	190	NV	-30	10.06	0.012025	±2.5	PASS
GSM850	190	NV	-20	8.79	0.010507	±2.5	PASS
GSM850	190	NV	-10	9.15	0.010937	±2.5	PASS
GSM850	190	NV	0	1.71	0.002044	±2.5	PASS
GSM850	190	NV	10	-2.80	-0.003347	±2.5	PASS

GSM850	190	NV	20	7.01	0.008379	±2.5	PASS
GSM850	190	NV	30	16.06	0.019197	±2.5	PASS
GSM850	190	NV	40	7.93	0.009479	±2.5	PASS
GSM850	190	NV	50	5.92	0.007076	±2.5	PASS
GSM850	251	NV	-30	9.32	0.010980	±2.5	PASS
GSM850	251	NV	-20	10.64	0.012535	±2.5	PASS
GSM850	251	NV	-10	8.30	0.009779	±2.5	PASS
GSM850	251	NV	0	12.77	0.015045	±2.5	PASS
GSM850	251	NV	10	13.14	0.015481	±2.5	PASS
GSM850	251	NV	20	12.94	0.015245	±2.5	PASS
GSM850	251	NV	30	6.77	0.007976	±2.5	PASS
GSM850	251	NV	40	6.37	0.007505	±2.5	PASS
GSM850	251	NV	50	9.64	0.011357	±2.5	PASS
GPRS850	128	NV	-30	6.59	0.007996	±2.5	PASS
GPRS850	128	NV	-20	3.31	0.004016	±2.5	PASS
GPRS850	128	NV	-10	6.03	0.007316	±2.5	PASS
GPRS850	128	NV	0	12.27	0.014887	±2.5	PASS
GPRS850	128	NV	10	15.81	0.019182	±2.5	PASS
GPRS850	128	NV	20	12.88	0.015627	±2.5	PASS
GPRS850	128	NV	30	14.58	0.017690	±2.5	PASS
GPRS850	128	NV	40	14.77	0.017920	±2.5	PASS
GPRS850	128	NV	50	16.13	0.019570	±2.5	PASS
GPRS850	190	NV	-30	8.34	0.009969	±2.5	PASS
GPRS850	190	NV	-20	5.26	0.006287	±2.5	PASS
GPRS850	190	NV	-10	6.49	0.007758	±2.5	PASS
GPRS850	190	NV	0	6.14	0.007339	±2.5	PASS
GPRS850	190	NV	10	11.10	0.013268	±2.5	PASS
GPRS850	190	NV	20	15.42	0.018432	±2.5	PASS
GPRS850	190	NV	30	13.96	0.016687	±2.5	PASS
GPRS850	190	NV	40	10.52	0.012575	±2.5	PASS
GPRS850	190	NV	50	14.21	0.016985	±2.5	PASS
GPRS850	251	NV	-30	6.71	0.007905	±2.5	PASS
GPRS850	251	NV	-20	5.44	0.006409	±2.5	PASS
GPRS850	251	NV	-10	6.40	0.007540	±2.5	PASS
GPRS850	251	NV	0	5.72	0.006739	±2.5	PASS
GPRS850	251	NV	10	10.72	0.012630	±2.5	PASS
GPRS850	251	NV	20	12.48	0.014703	±2.5	PASS
GPRS850	251	NV	30	15.09	0.017778	±2.5	PASS
GPRS850	251	NV	40	14.07	0.016576	±2.5	PASS

GPRS850	251	NV	50	11.51	0.013560	±2.5	PASS
EGPRS850	128	NV	-30	6.46	0.007838	±2.5	PASS
EGPRS850	128	NV	-20	4.10	0.004975	±2.5	PASS
EGPRS850	128	NV	-10	8.63	0.010471	±2.5	PASS
EGPRS850	128	NV	0	12.66	0.015360	±2.5	PASS
EGPRS850	128	NV	10	14.08	0.017083	±2.5	PASS
EGPRS850	128	NV	20	15.58	0.018903	±2.5	PASS
EGPRS850	128	NV	30	15.57	0.018891	±2.5	PASS
EGPRS850	128	NV	40	12.30	0.014924	±2.5	PASS
EGPRS850	128	NV	50	13.26	0.016088	±2.5	PASS
EGPRS850	190	NV	-30	4.59	0.005486	±2.5	PASS
EGPRS850	190	NV	-20	4.67	0.005582	±2.5	PASS
EGPRS850	190	NV	-10	6.65	0.007949	±2.5	PASS
EGPRS850	190	NV	0	3.62	0.004327	±2.5	PASS
EGPRS850	190	NV	10	10.79	0.012897	±2.5	PASS
EGPRS850	190	NV	20	12.41	0.014834	±2.5	PASS
EGPRS850	190	NV	30	11.82	0.014129	±2.5	PASS
EGPRS850	190	NV	40	14.06	0.016806	±2.5	PASS
EGPRS850	190	NV	50	12.24	0.014631	±2.5	PASS
EGPRS850	251	NV	-30	3.24	0.003817	±2.5	PASS
EGPRS850	251	NV	-20	8.35	0.009837	±2.5	PASS
EGPRS850	251	NV	-10	4.83	0.005690	±2.5	PASS
EGPRS850	251	NV	0	4.06	0.004783	±2.5	PASS
EGPRS850	251	NV	10	8.05	0.009484	±2.5	PASS
EGPRS850	251	NV	20	10.11	0.011911	±2.5	PASS
EGPRS850	251	NV	30	7.84	0.009237	±2.5	PASS
EGPRS850	251	NV	40	8.55	0.010073	±2.5	PASS
EGPRS850	251	NV	50	9.45	0.011133	±2.5	PASS
GSM1900	512	NV	-30	27.91	0.015085	±2.5	PASS
GSM1900	512	NV	-20	27.66	0.014950	±2.5	PASS
GSM1900	512	NV	-10	27.61	0.014923	±2.5	PASS
GSM1900	512	NV	0	24.12	0.013036	±2.5	PASS
GSM1900	512	NV	10	18.46	0.009977	±2.5	PASS
GSM1900	512	NV	20	22.80	0.012323	±2.5	PASS
GSM1900	512	NV	30	20.86	0.011274	±2.5	PASS
GSM1900	512	NV	40	17.44	0.009426	±2.5	PASS
GSM1900	512	NV	50	29.76	0.016085	±2.5	PASS
GSM1900	661	NV	-30	22.86	0.012160	±2.5	PASS
GSM1900	661	NV	-20	25.62	0.013628	±2.5	PASS

GSM1900	661	NV	-10	23.53	0.012516	±2.5	PASS
GSM1900	661	NV	0	22.33	0.011878	±2.5	PASS
GSM1900	661	NV	10	21.08	0.011213	±2.5	PASS
GSM1900	661	NV	20	19.53	0.010388	±2.5	PASS
GSM1900	661	NV	30	23.04	0.012255	±2.5	PASS
GSM1900	661	NV	40	22.99	0.012229	±2.5	PASS
GSM1900	661	NV	50	20.78	0.011053	±2.5	PASS
GSM1900	810	NV	-30	28.26	0.014797	±2.5	PASS
GSM1900	810	NV	-20	26.18	0.013708	±2.5	PASS
GSM1900	810	NV	-10	28.77	0.015064	±2.5	PASS
GSM1900	810	NV	0	28.34	0.014839	±2.5	PASS
GSM1900	810	NV	10	25.71	0.013462	±2.5	PASS
GSM1900	810	NV	20	20.91	0.010949	±2.5	PASS
GSM1900	810	NV	30	20.20	0.010577	±2.5	PASS
GSM1900	810	NV	40	29.88	0.015646	±2.5	PASS
GSM1900	810	NV	50	29.97	0.015693	±2.5	PASS
GPRS1900	512	NV	-30	19.38	0.010475	±2.5	PASS
GPRS1900	512	NV	-20	23.00	0.012431	±2.5	PASS
GPRS1900	512	NV	-10	24.24	0.013101	±2.5	PASS
GPRS1900	512	NV	0	31.35	0.016944	±2.5	PASS
GPRS1900	512	NV	10	31.54	0.017047	±2.5	PASS
GPRS1900	512	NV	20	29.80	0.016106	±2.5	PASS
GPRS1900	512	NV	30	32.59	0.017614	±2.5	PASS
GPRS1900	512	NV	40	30.65	0.016566	±2.5	PASS
GPRS1900	512	NV	50	29.44	0.015912	±2.5	PASS
GPRS1900	661	NV	-30	20.53	0.010920	±2.5	PASS
GPRS1900	661	NV	-20	22.36	0.011894	±2.5	PASS
GPRS1900	661	NV	-10	22.14	0.011777	±2.5	PASS
GPRS1900	661	NV	0	22.90	0.012181	±2.5	PASS
GPRS1900	661	NV	10	31.48	0.016745	±2.5	PASS
GPRS1900	661	NV	20	26.40	0.014043	±2.5	PASS
GPRS1900	661	NV	30	31.30	0.016649	±2.5	PASS
GPRS1900	661	NV	40	27.78	0.014777	±2.5	PASS
GPRS1900	661	NV	50	35.33	0.018793	±2.5	PASS
GPRS1900	810	NV	-30	22.44	0.011750	±2.5	PASS
GPRS1900	810	NV	-20	23.09	0.012090	±2.5	PASS
GPRS1900	810	NV	-10	22.21	0.011629	±2.5	PASS
GPRS1900	810	NV	0	22.24	0.011645	±2.5	PASS
GPRS1900	810	NV	10	17.98	0.009415	±2.5	PASS

GPRS1900	810	NV	20	33.46	0.017520	±2.5	PASS
GPRS1900	810	NV	30	27.65	0.014478	±2.5	PASS
GPRS1900	810	NV	40	26.69	0.013975	±2.5	PASS
GPRS1900	810	NV	50	29.32	0.015352	±2.5	PASS
EGPRS1900	512	NV	-30	18.78	0.010150	±2.5	PASS
EGPRS1900	512	NV	-20	19.03	0.010285	±2.5	PASS
EGPRS1900	512	NV	-10	19.11	0.010329	±2.5	PASS
EGPRS1900	512	NV	0	29.89	0.016155	±2.5	PASS
EGPRS1900	512	NV	10	38.23	0.020663	±2.5	PASS
EGPRS1900	512	NV	20	36.68	0.019825	±2.5	PASS
EGPRS1900	512	NV	30	29.95	0.016187	±2.5	PASS
EGPRS1900	512	NV	40	30.53	0.016501	±2.5	PASS
EGPRS1900	512	NV	50	34.22	0.018495	±2.5	PASS
EGPRS1900	661	NV	-30	18.88	0.010043	±2.5	PASS
EGPRS1900	661	NV	-20	23.11	0.012293	±2.5	PASS
EGPRS1900	661	NV	-10	22.90	0.012181	±2.5	PASS
EGPRS1900	661	NV	0	21.52	0.011447	±2.5	PASS
EGPRS1900	661	NV	10	28.32	0.015064	±2.5	PASS
EGPRS1900	661	NV	20	26.70	0.014202	±2.5	PASS
EGPRS1900	661	NV	30	27.66	0.014713	±2.5	PASS
EGPRS1900	661	NV	40	32.07	0.017059	±2.5	PASS
EGPRS1900	661	NV	50	26.65	0.014176	±2.5	PASS
EGPRS1900	810	NV	-30	18.48	0.009676	±2.5	PASS
EGPRS1900	810	NV	-20	22.66	0.011865	±2.5	PASS
EGPRS1900	810	NV	-10	18.89	0.009891	±2.5	PASS
EGPRS1900	810	NV	0	22.75	0.011912	±2.5	PASS
EGPRS1900	810	NV	10	28.37	0.014855	±2.5	PASS
EGPRS1900	810	NV	20	28.88	0.015122	±2.5	PASS
EGPRS1900	810	NV	30	36.07	0.018887	±2.5	PASS
EGPRS1900	810	NV	40	26.88	0.014075	±2.5	PASS
EGPRS1900	810	NV	50	30.69	0.016070	±2.5	PASS

*** End of Report ***