

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Mode	Txslot	Measured Power (dBm)			Limit(dBm)	Verdict
		824.20 MHz	836.60 MHz	848.80 MHz		
GSM850	/	33.33	33.17	33.13	38.45	PASS
GPRS 850 (GMSK)	1 Txslot	33.28	33.15	33.08	38.45	PASS
	2 Txslot	32.20	32.01	31.92	38.45	PASS
	3 Txslot	30.35	30.12	30.04	38.45	PASS
	4 Txslot	28.71	28.43	28.32	38.45	PASS
EDGE 850 (8PSK)	1 Txslot	28.04	27.87	27.83	38.45	PASS
	2 Txslot	26.81	26.64	26.69	38.45	PASS
	3 Txslot	25.09	24.91	24.97	38.45	PASS
	4 Txslot	23.37	23.12	23.21	38.45	PASS

Appendix B: Peak-to-Average Ratio(CCDF)**Test Result**

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	0.19	13	PASS
GSM850	190	0.20	13	PASS
GSM850	251	0.19	13	PASS
GPRS850	128	0.19	13	PASS
GPRS850	190	0.19	13	PASS
GPRS850	251	0.18	13	PASS
EGPRS850	128	3.19	13	PASS
EGPRS850	190	3.21	13	PASS
EGPRS850	251	3.22	13	PASS

Test Graphs

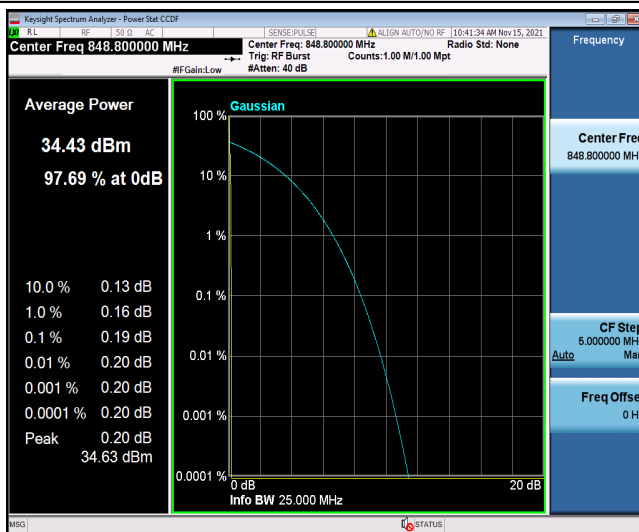
GSM850-128



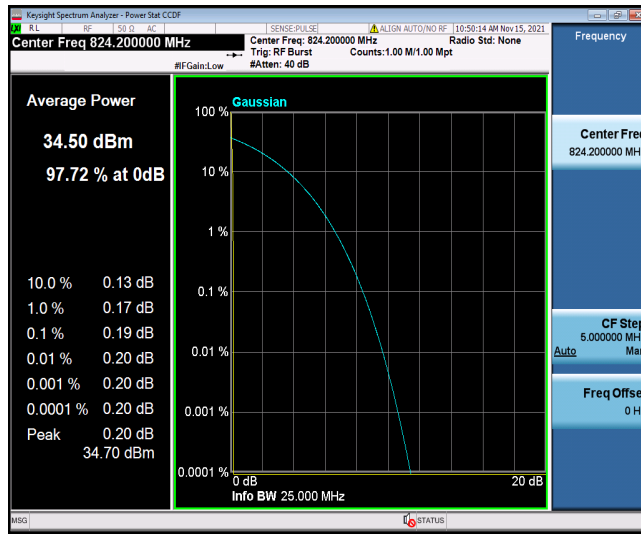
GSM850-190



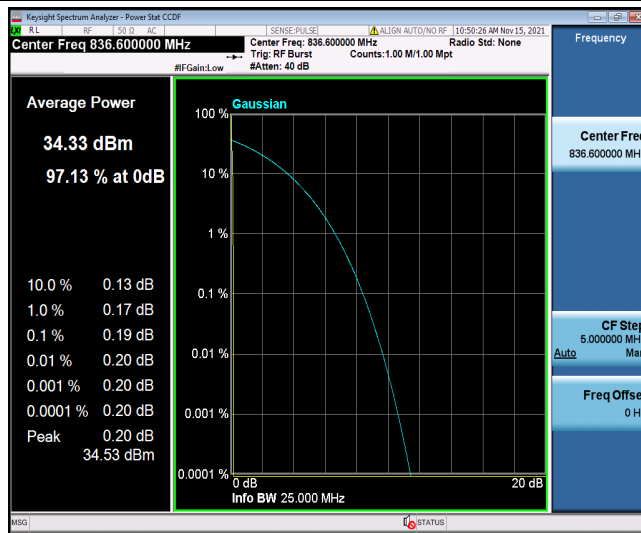
GSM850-251



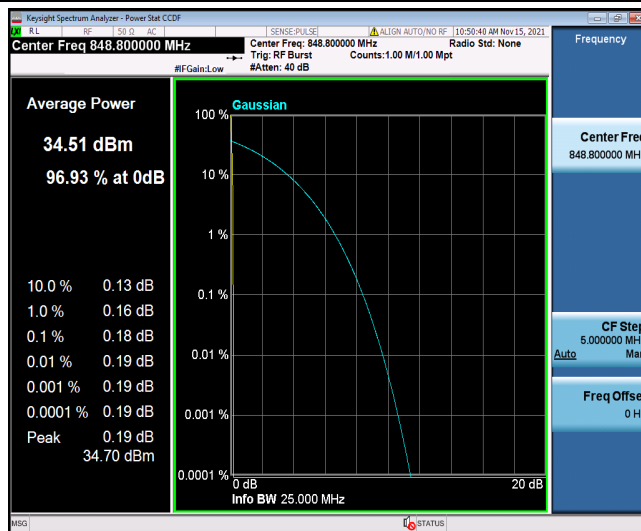
GPRS850-128



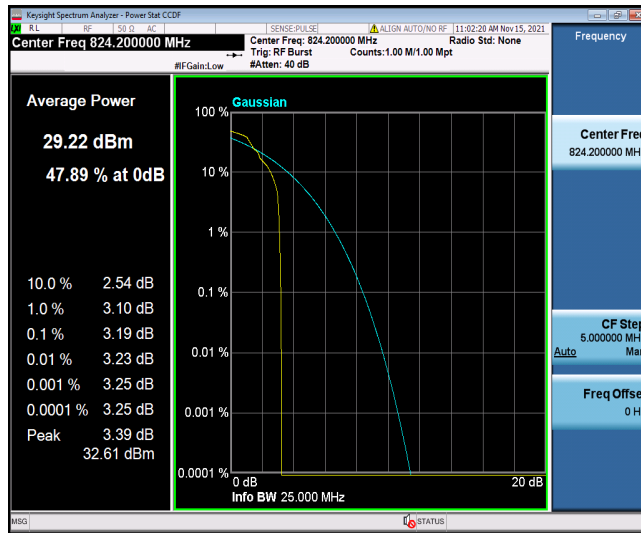
GPRS850-190



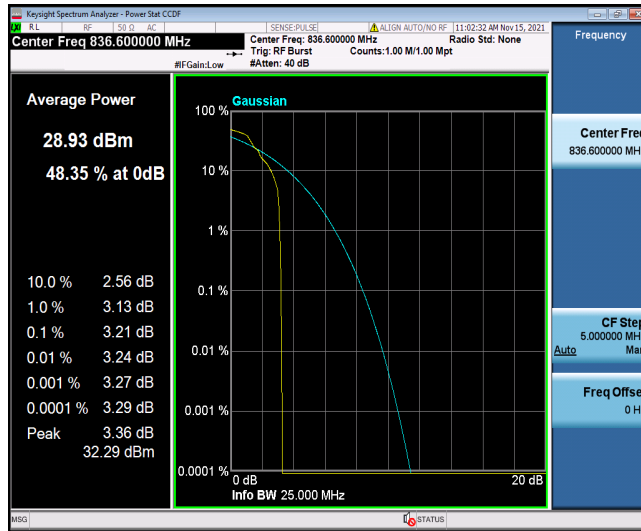
GPRS850-251



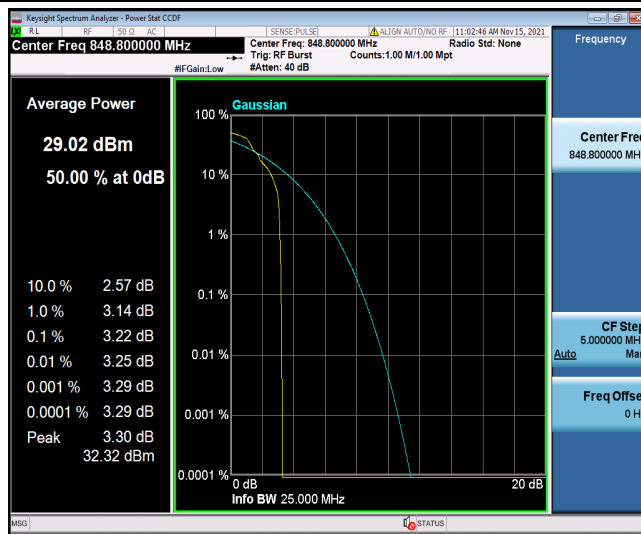
EGPRS850-128



EGPRS850-190



EGPRS850-251



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24232	0.2423	---	PASS
GSM850	190	0.24187	0.2419	---	PASS
GSM850	251	0.24354	0.2435	---	PASS
GPRS850	128	0.24768	0.2477	---	PASS
GPRS850	190	0.24527	0.2453	---	PASS
GPRS850	251	0.24337	0.2434	---	PASS
EGPRS850	128	0.24439	0.2444	---	PASS
EGPRS850	190	0.24502	0.2450	---	PASS
EGPRS850	251	0.24664	0.2466	---	PASS

Test Graphs

GSM850-128



GSM850-190



GSM850-251



GPRS850-128



GPRS850-190



GPRS850-251



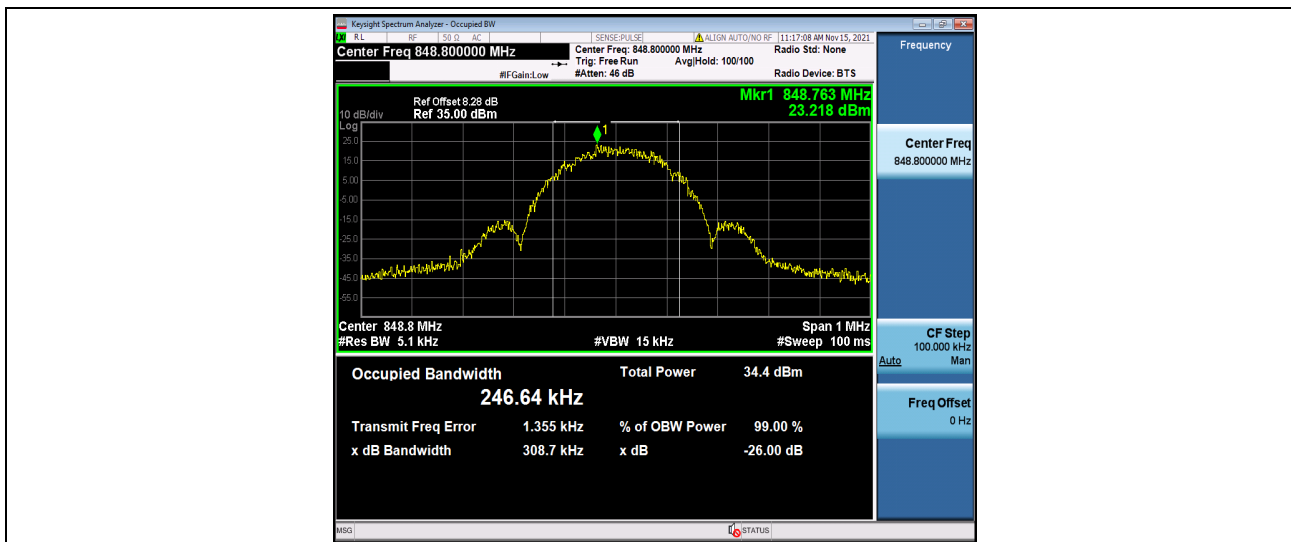
EGPRS850-128



EGPRS850-190



EGPRS850-251



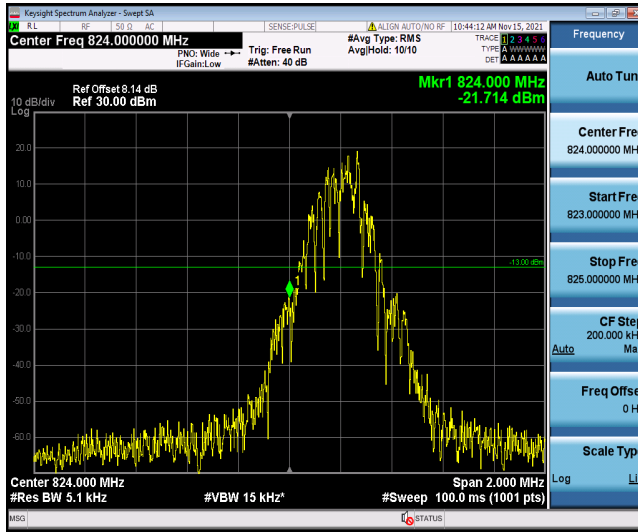
Appendix D: Band Edge

Test Result

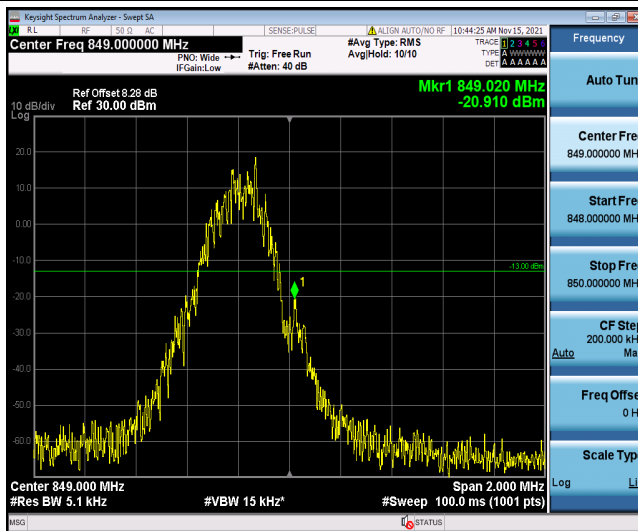
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	824.00	-18.22	-13	PASS
GSM850	251	849.02	-19.62	-13	PASS
GPRS850	128	823.99	-19.67	-13	PASS
GPRS850	251	849.03	-21.79	-13	PASS
EGPRS850	128	823.98	-29.32	-13	PASS
EGPRS850	251	849.01	-29.59	-13	PASS

Test Graphs

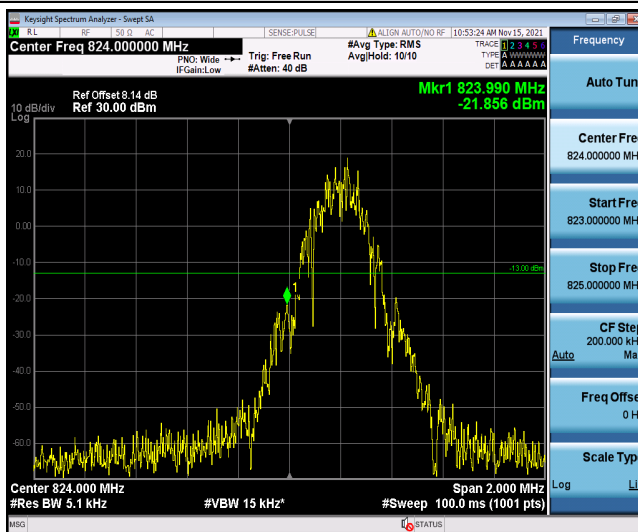
GSM850-128



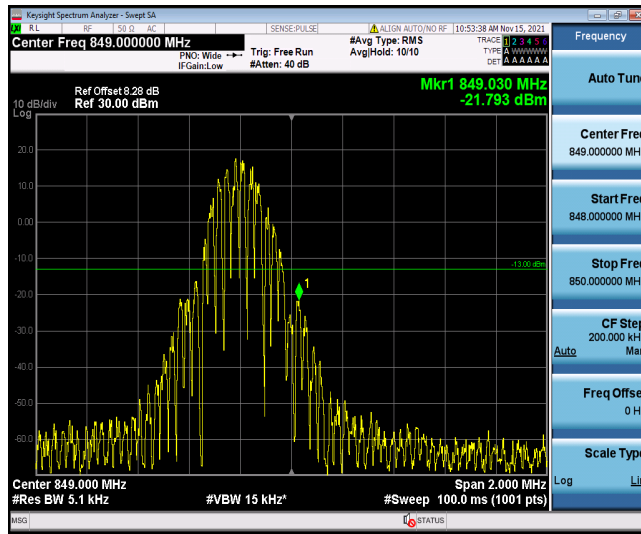
GSM850-251



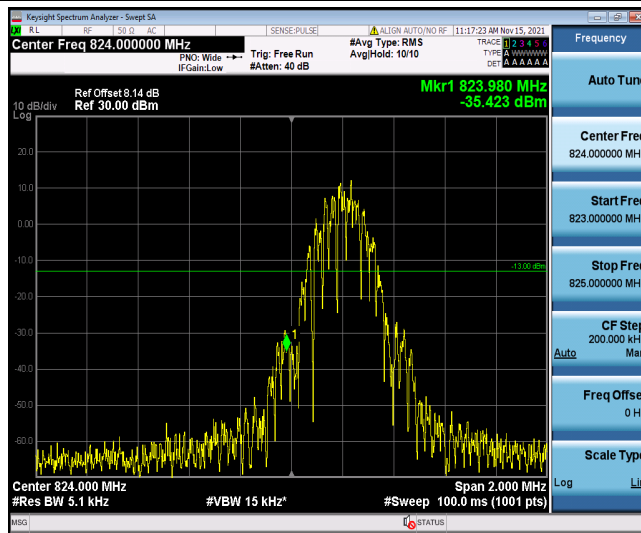
GPRS850-128



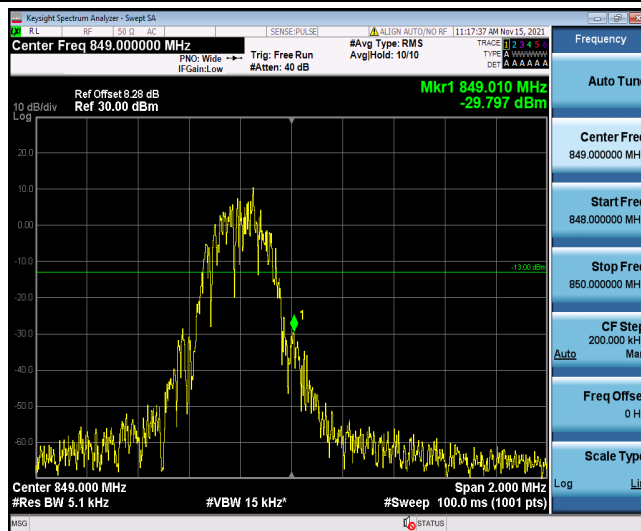
GPRS850-251



EGPRS850-128



EGPRS850-251



Appendix E: Conducted Spurious Emission

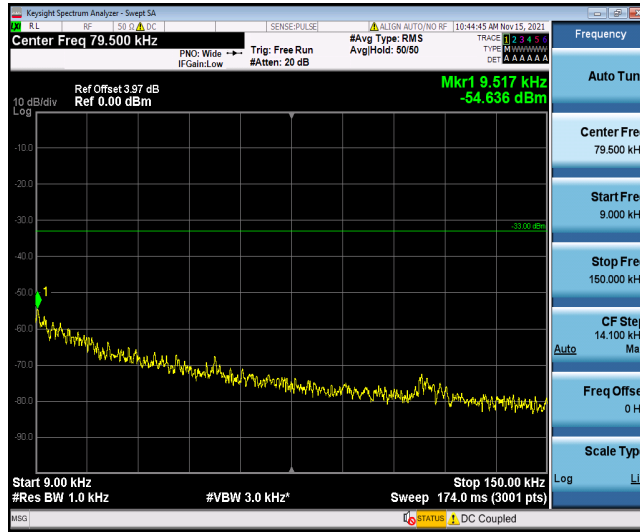
Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	0.009~0.15MHz	0.01	-54.64	-33	PASS
GSM850	128	0.15~30MHz	0.29	-46.62	-13	PASS
GSM850	128	30~1000MHz	937.66	-39.76	-13	PASS
GSM850	128	1000~3000MHz	1697.53	-30.45	-13	PASS
GSM850	128	3000~10000MHz	3451.73	-54.09	-13	PASS
GSM850	190	0.009~0.15MHz	0.01	-56.3	-33	PASS
GSM850	190	0.15~30MHz	0.35	-51.25	-13	PASS
GSM850	190	30~1000MHz	450.5	-39.74	-13	PASS
GSM850	190	1000~3000MHz	1697.73	-30.49	-13	PASS
GSM850	190	3000~10000MHz	3598.5	-55.28	-13	PASS
GSM850	251	0.009~0.15MHz	0.01	-53.79	-33	PASS
GSM850	251	0.15~30MHz	0.28	-49.05	-13	PASS
GSM850	251	30~1000MHz	969.57	-40.2	-13	PASS
GSM850	251	1000~3000MHz	1697.6	-30.21	-13	PASS
GSM850	251	3000~10000MHz	3598.5	-55.19	-13	PASS
GPRS850	128	0.009~0.15MHz	0.01	-56.07	-33	PASS
GPRS850	128	0.15~30MHz	0.32	-50.95	-13	PASS
GPRS850	128	30~1000MHz	418.87	-40.47	-13	PASS
GPRS850	128	1000~3000MHz	1697.8	-30.55	-13	PASS
GPRS850	128	3000~10000MHz	7229.4	-54.76	-13	PASS
GPRS850	190	0.009~0.15MHz	0.01	-54.02	-33	PASS
GPRS850	190	0.15~30MHz	0.31	-49.3	-13	PASS
GPRS850	190	30~1000MHz	396.56	-39.57	-13	PASS
GPRS850	190	1000~3000MHz	1697.8	-30.6	-13	PASS
GPRS850	190	3000~10000MHz	7236.4	-54.89	-13	PASS
GPRS850	251	0.009~0.15MHz	0.01	-56.36	-33	PASS
GPRS850	251	0.15~30MHz	0.28	-48.83	-13	PASS
GPRS850	251	30~1000MHz	506.98	-40.12	-13	PASS
GPRS850	251	1000~3000MHz	1697.67	-30.03	-13	PASS
GPRS850	251	3000~10000MHz	7234.07	-54.66	-13	PASS
EGPRS850	128	0.009~0.15MHz	0.01	-56.15	-33	PASS
EGPRS850	128	0.15~30MHz	0.28	-49.85	-13	PASS
EGPRS850	128	30~1000MHz	925.67	-39.41	-13	PASS
EGPRS850	128	1000~3000MHz	1697.73	-39.56	-13	PASS
EGPRS850	128	3000~10000MHz	7215.63	-54.74	-13	PASS
EGPRS850	190	0.009~0.15MHz	0.01	-57.37	-33	PASS

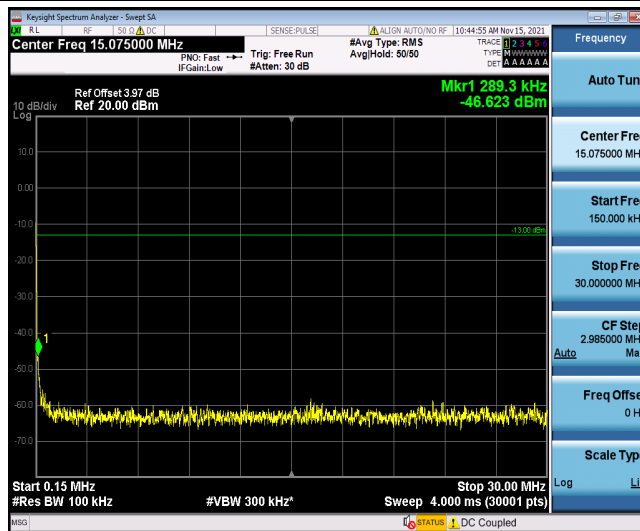
EGPRS850	190	0.15~30MHz	0.28	-46.97	-13	PASS
EGPRS850	190	30~1000MHz	952.96	-40.04	-13	PASS
EGPRS850	190	1000~3000MHz	1697.33	-40.51	-13	PASS
EGPRS850	190	3000~10000MHz	7229.87	-54.48	-13	PASS
EGPRS850	251	0.009~0.15MHz	0.01	-55.88	-33	PASS
EGPRS850	251	0.15~30MHz	0.29	-50.11	-13	PASS
EGPRS850	251	30~1000MHz	667.84	-40.07	-13	PASS
EGPRS850	251	1000~3000MHz	1697.47	-38.94	-13	PASS
EGPRS850	251	3000~10000MHz	7237.1	-54.5	-13	PASS

Test Graphs

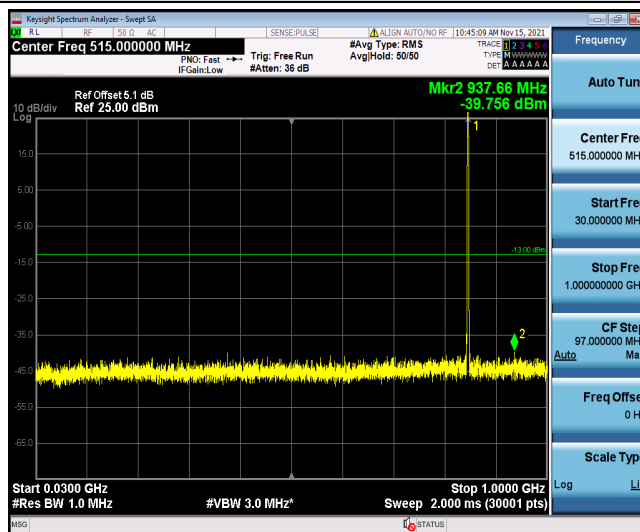
GSM850-128-0.009~0.15MHz



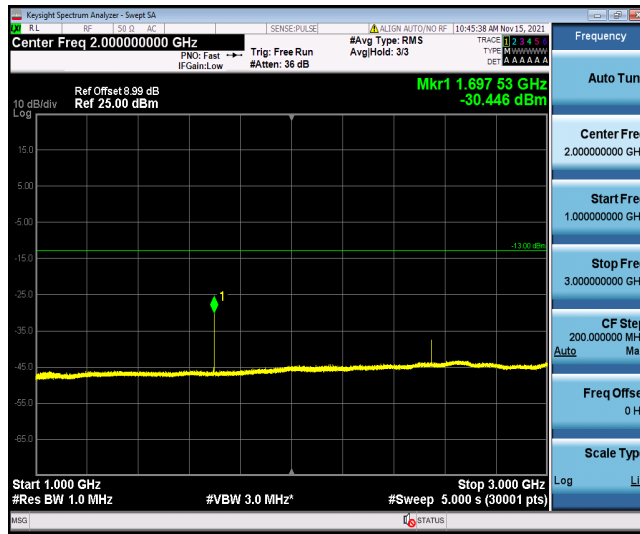
GSM850-128-0.15~30MHz



GSM850-128-30~1000MHz



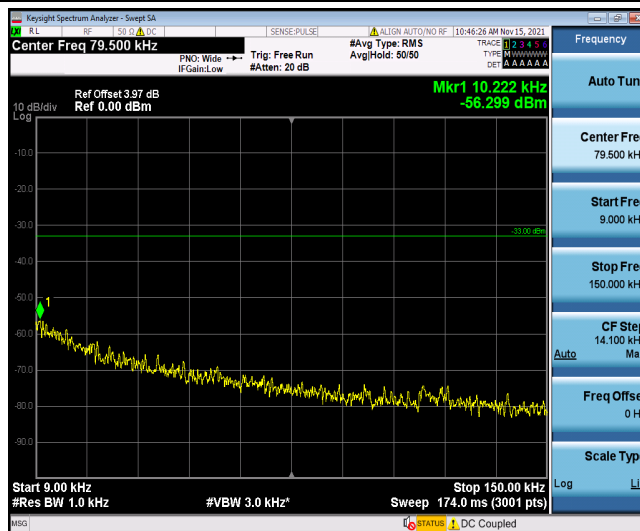
GSM850-128-1000~3000MHz



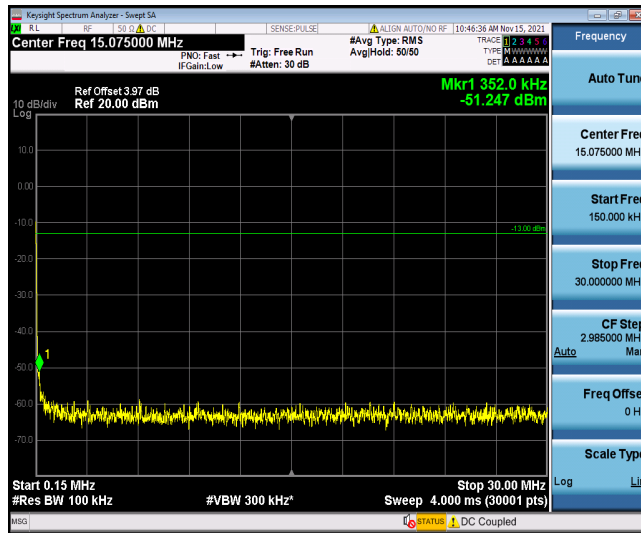
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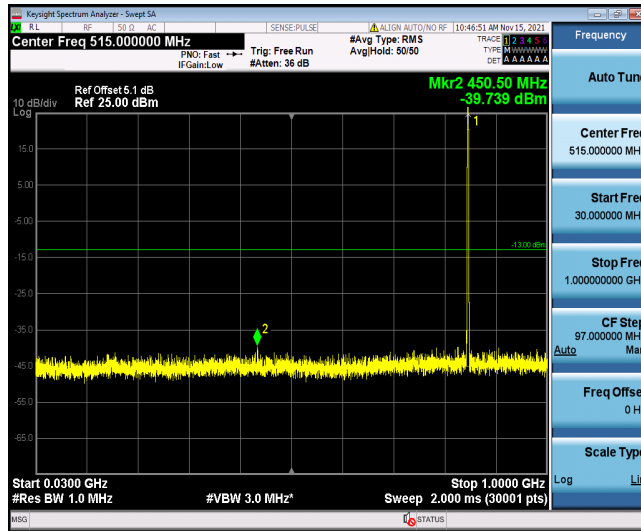
GSM850-190-0.009~0.15MHz



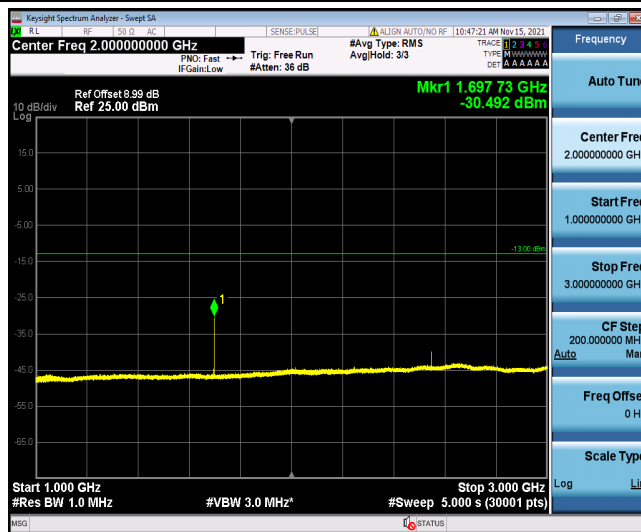
GSM850-190-0.15~30MHz



GSM850-190-30~1000MHz



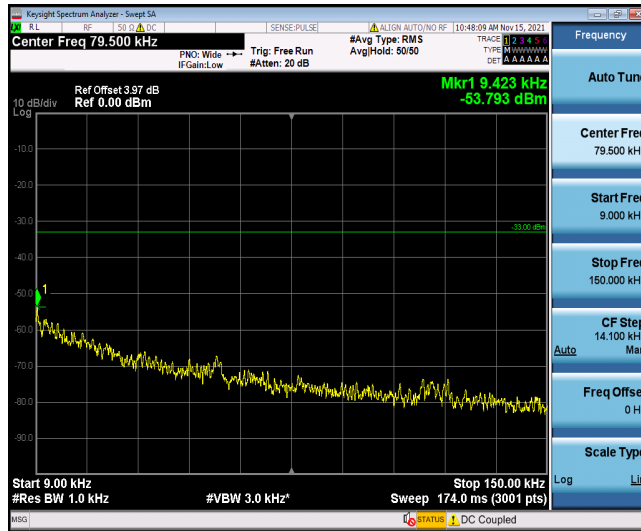
GSM850-190-1000~3000MHz



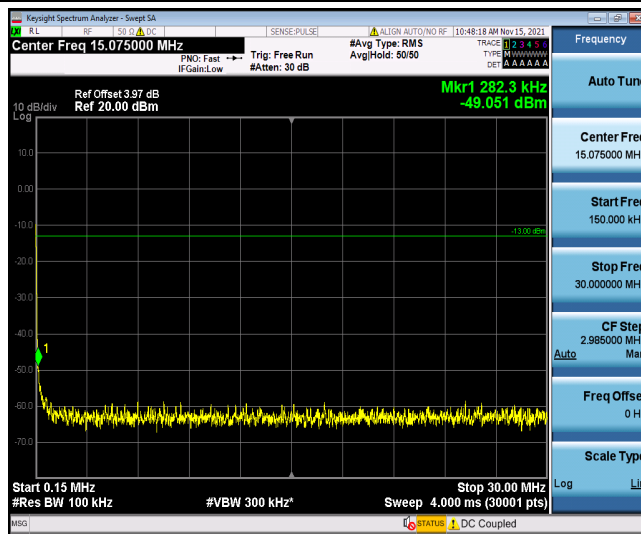
GSM850-190-3000~10000MHz



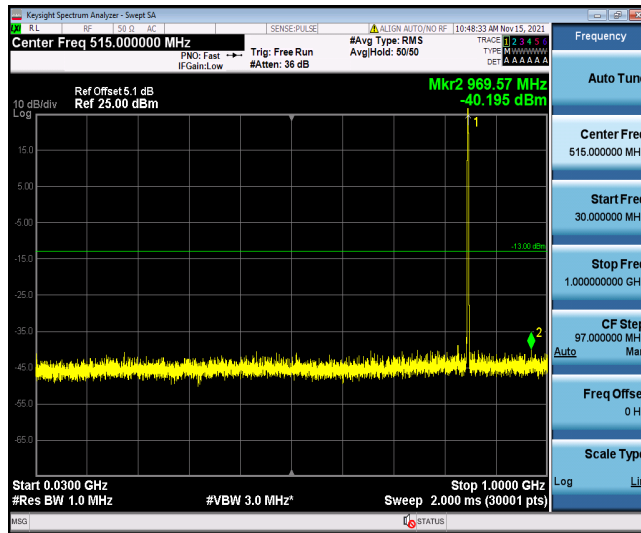
GSM850-251-0.009~0.15MHz



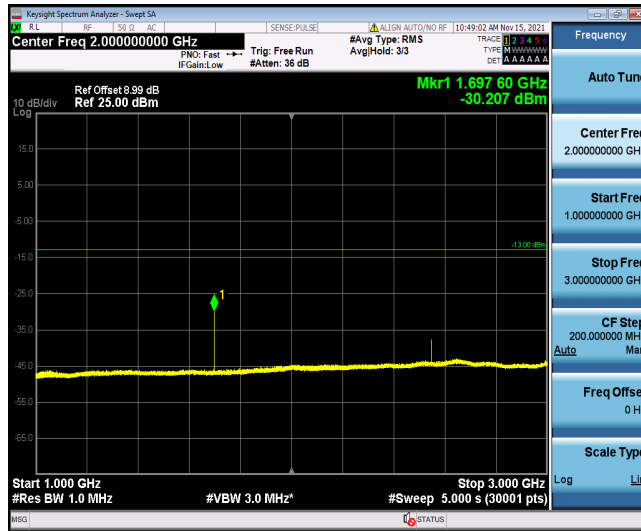
GSM850-251-0.15~30MHz



GSM850-251-30~1000MHz



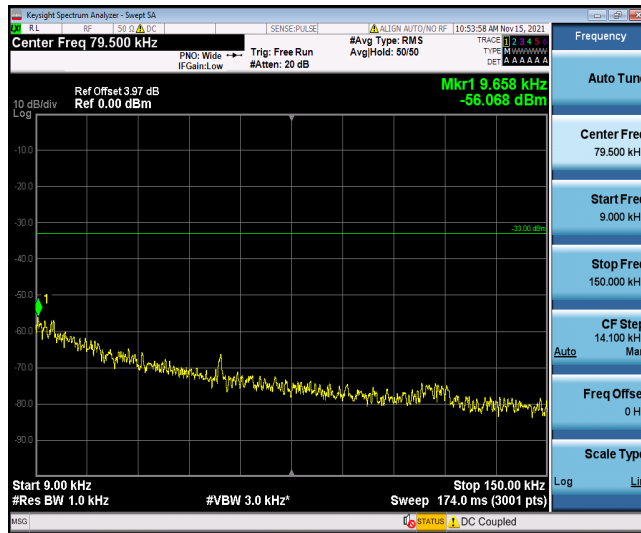
GSM850-251-1000~3000MHz



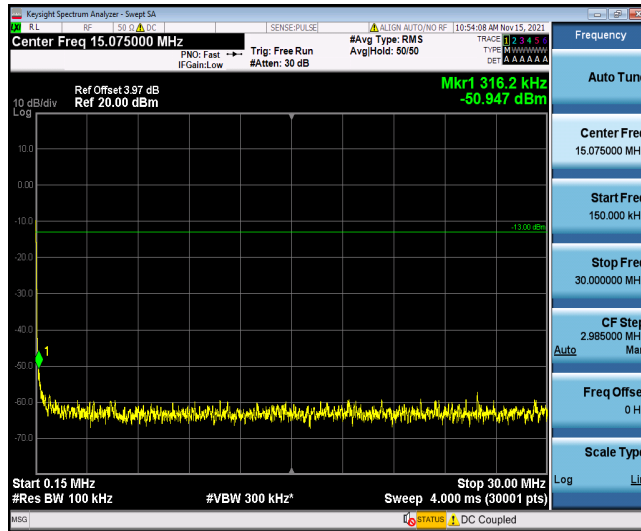
GSM850-251-3000~10000MHz



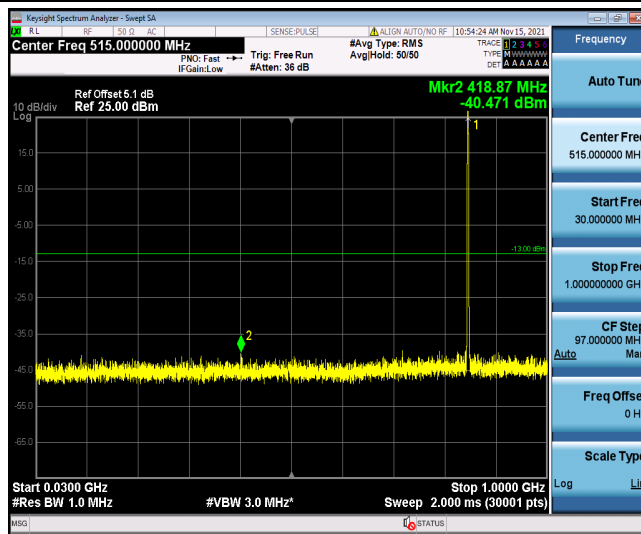
GPRS850-128-0.009~0.15MHz



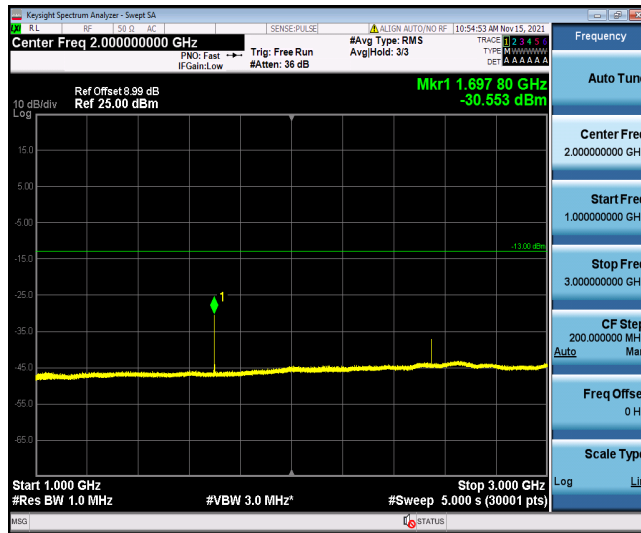
GPRS850-128-0.15~30MHz



GPRS850-128-30~1000MHz



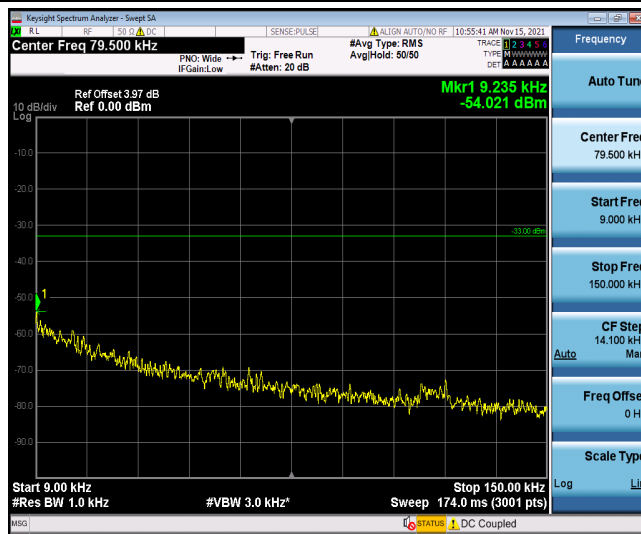
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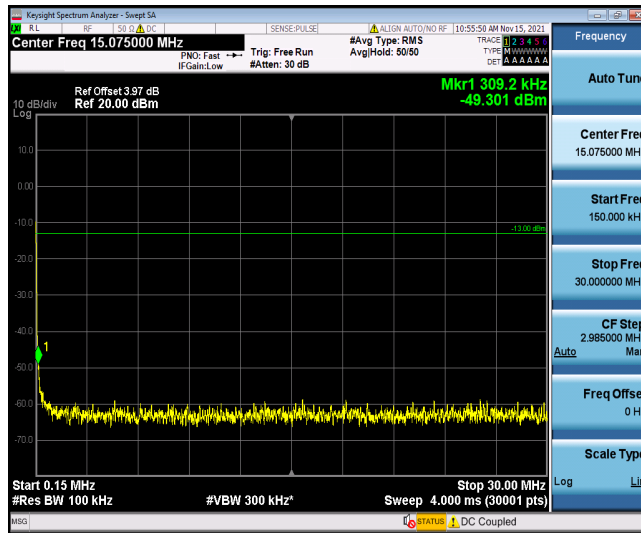
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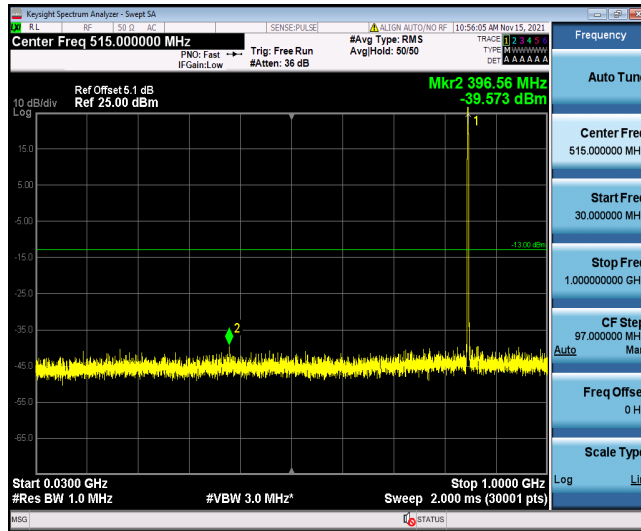
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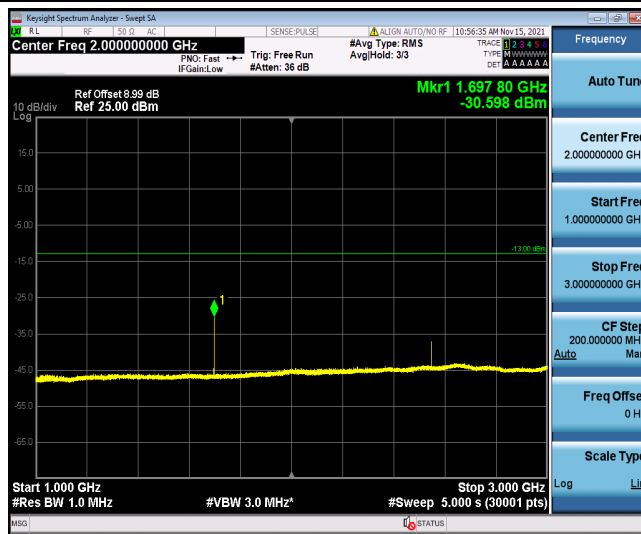
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GPRS850-190-30~1000MHz



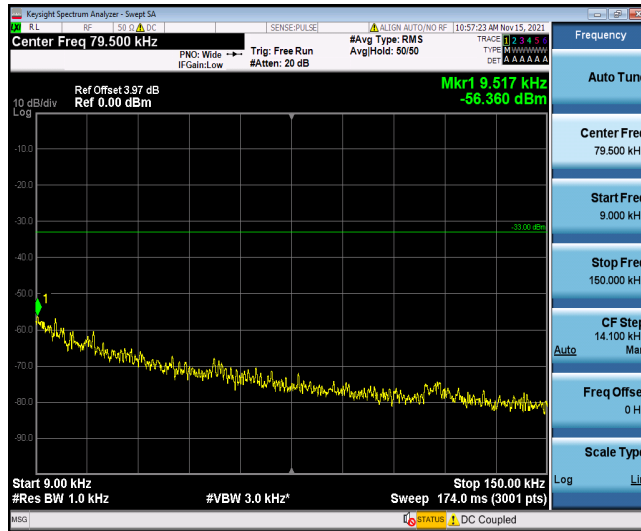
GPRS850-190-1000~3000MHz



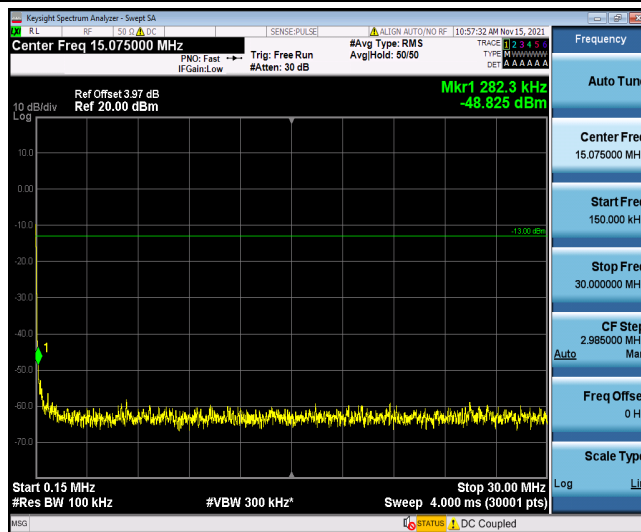
GPRS850-190-3000~10000MHz



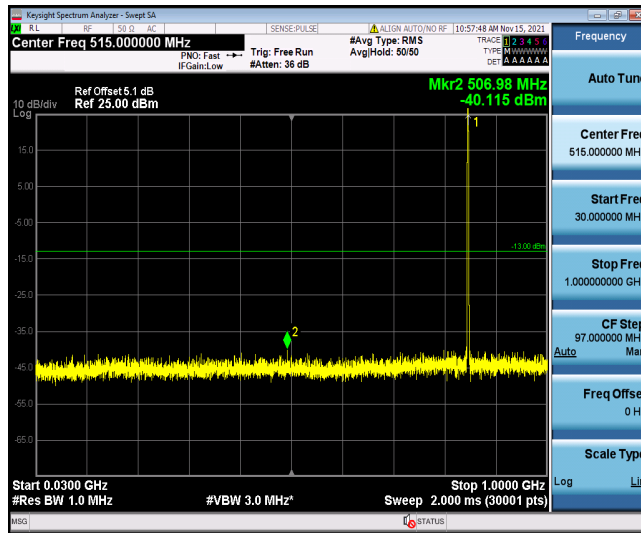
GPRS850-251-0.009~0.15MHz



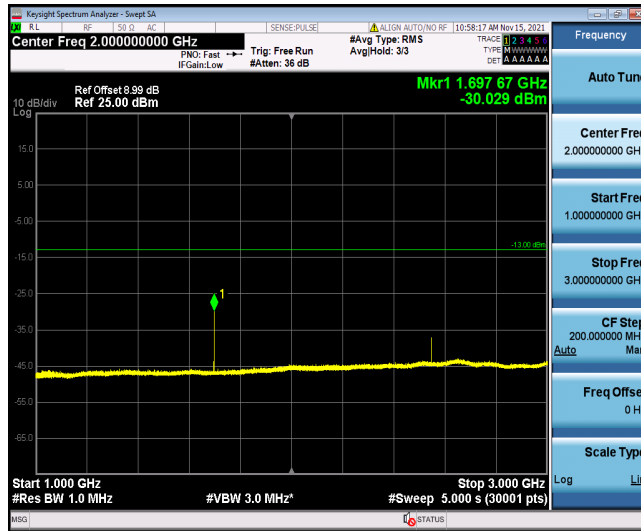
GPRS850-251-0.15~30MHz



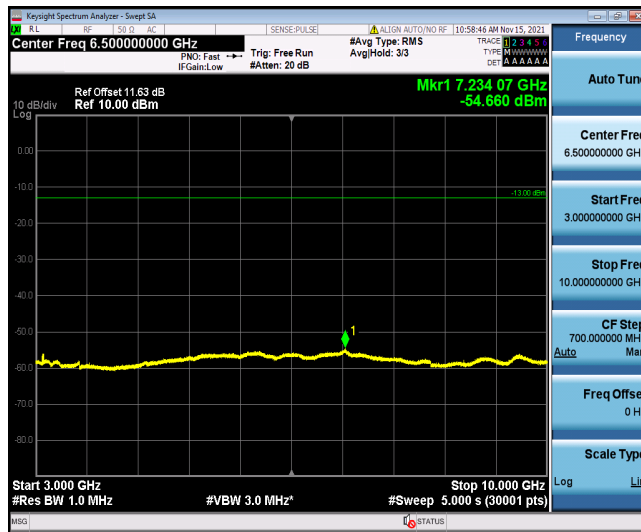
GPRS850-251-30~1000MHz



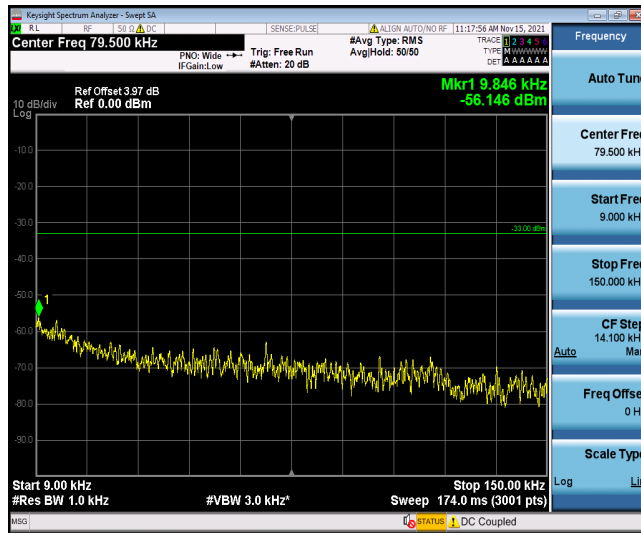
GPRS850-251-1000~3000MHz



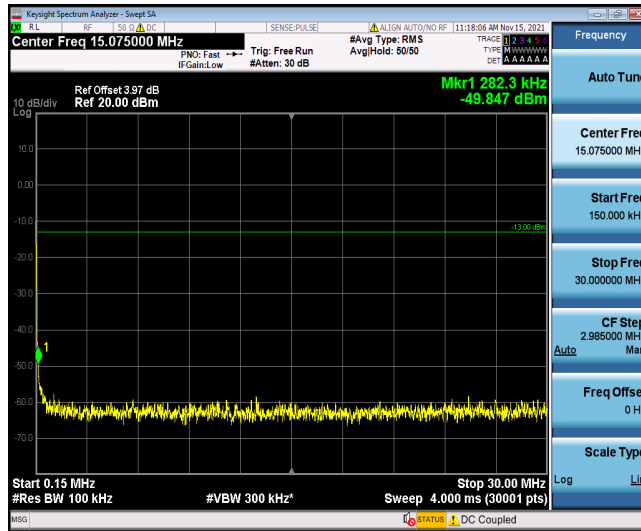
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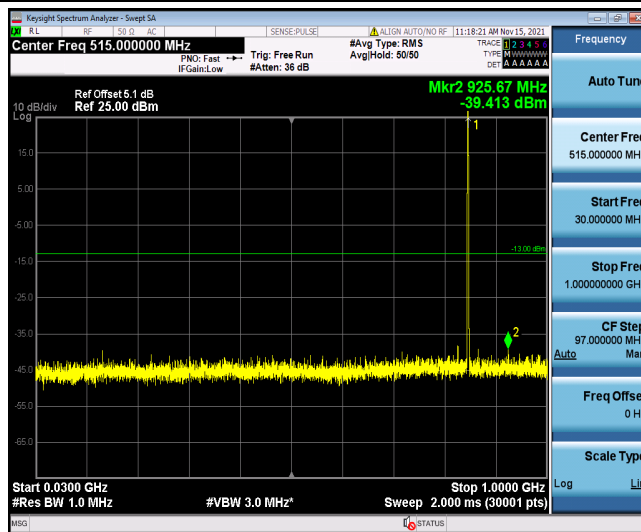
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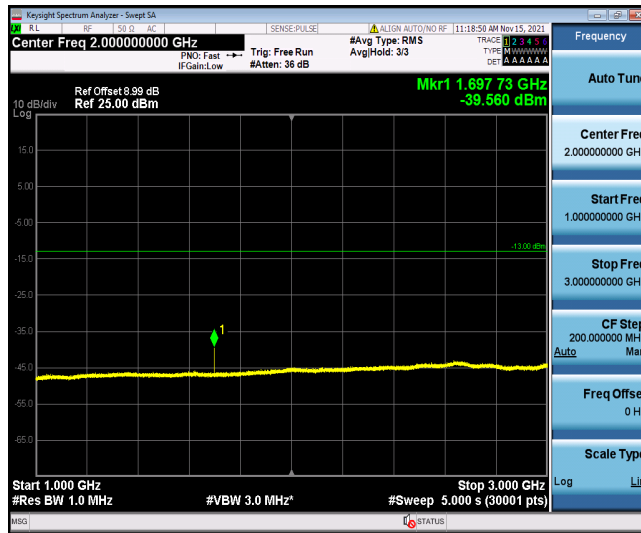
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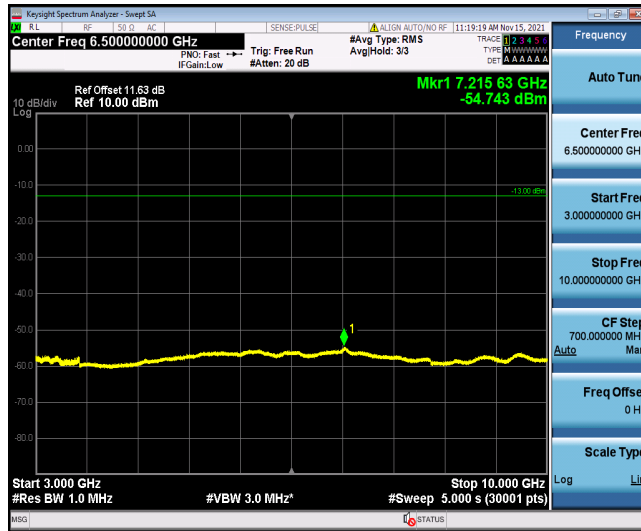
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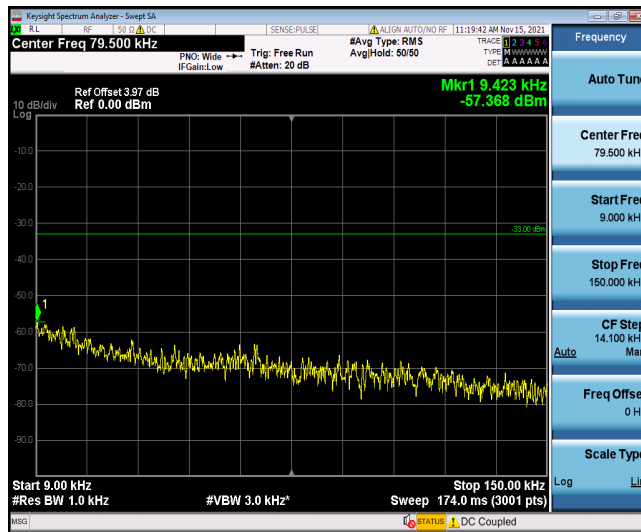
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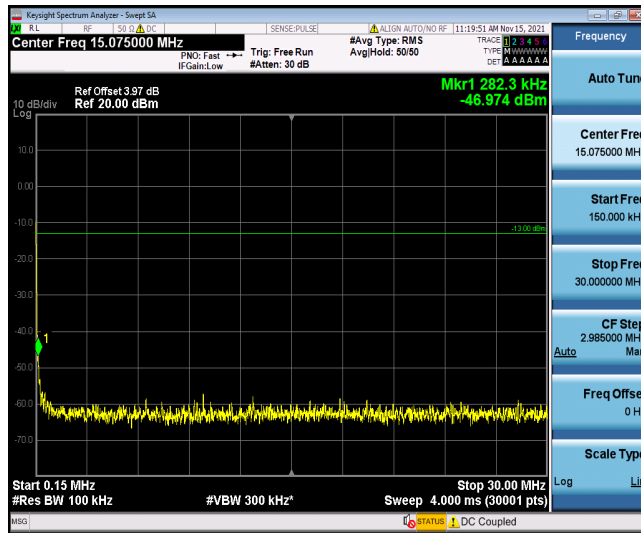
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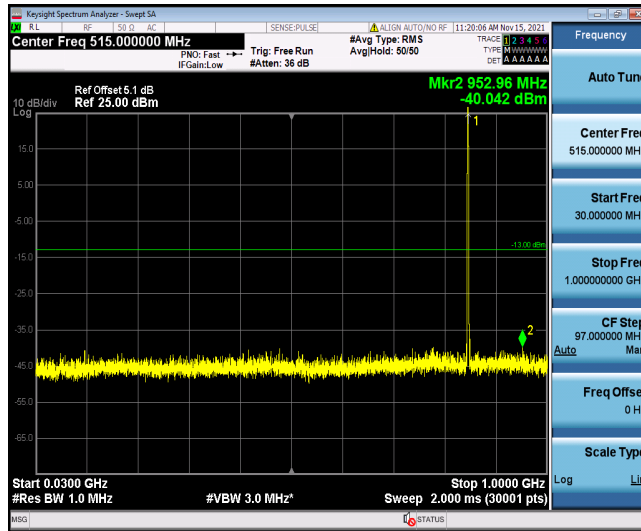
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EGPRS850-190-0.15~30MHz



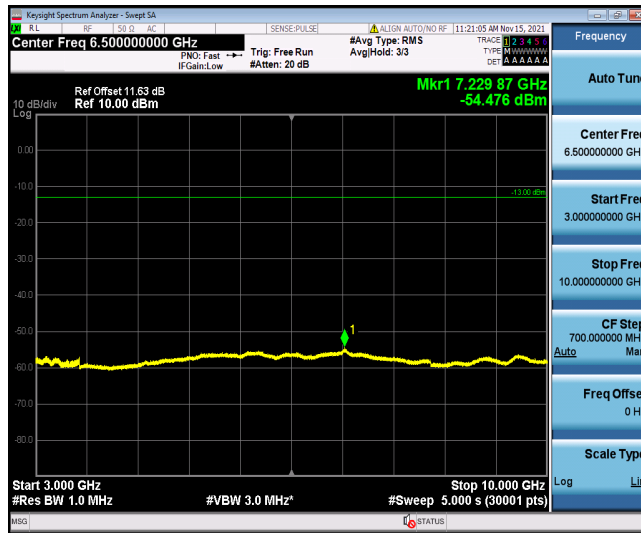
EGPRS850-190-30~1000MHz



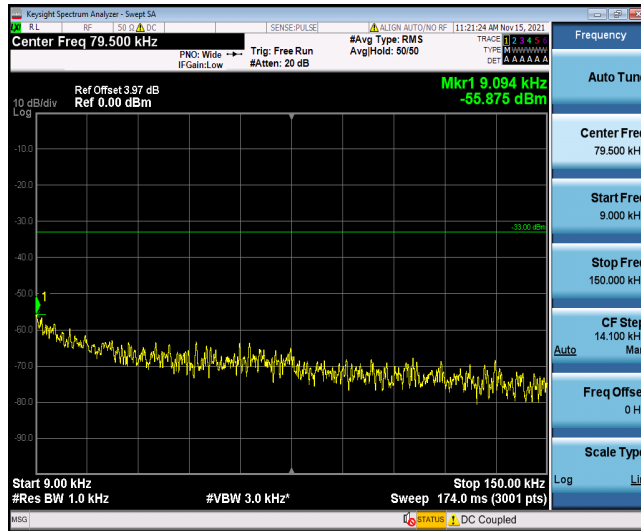
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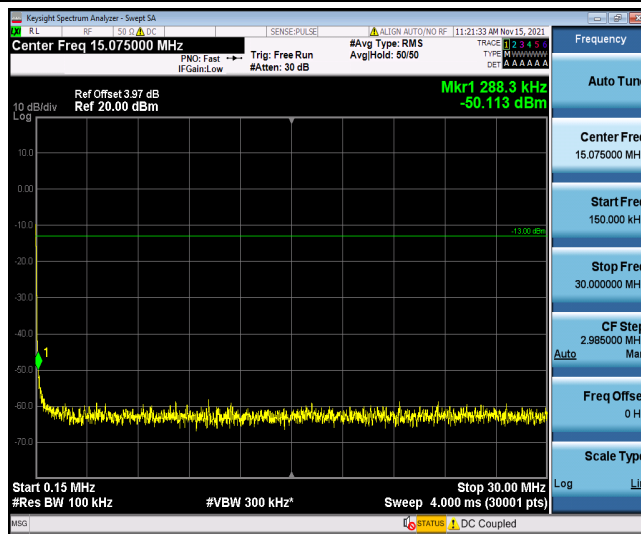
EGPRS850-190-3000~10000MHz



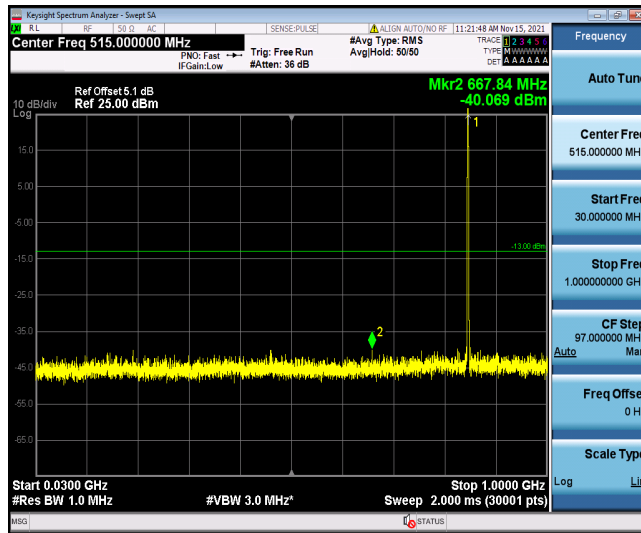
EGPRS850-251-0.009~0.15MHz



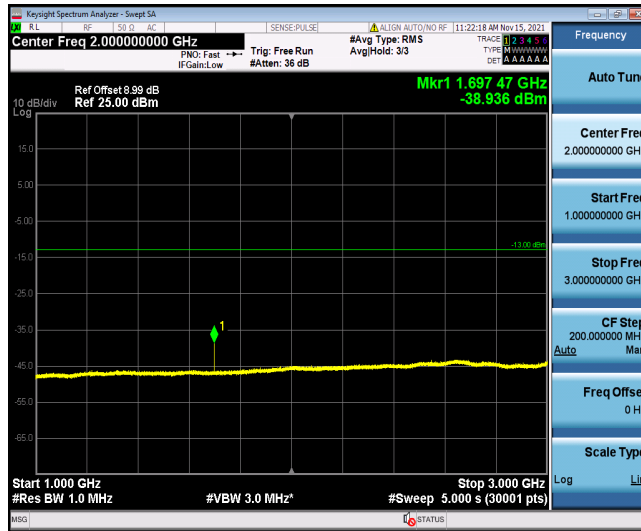
EGPRS850-251-0.15~30MHz



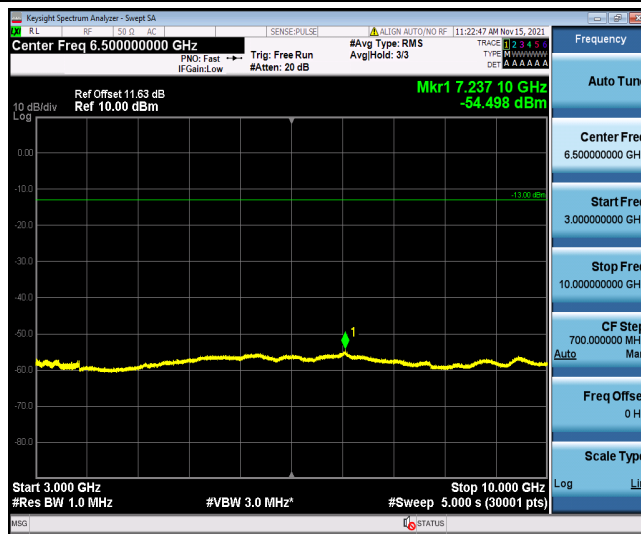
EGPRS850-251-30~1000MHz



EGPRS850-251-1000~3000MHz



EGPRS850-251-3000~10000MHz



Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VL	NT	0.84	0.001019	±2.5	PASS
GSM850	128	VN	NT	-1.65	-0.002002	±2.5	PASS
GSM850	128	VH	NT	-4.49	-0.005448	±2.5	PASS
GSM850	190	VL	NT	10.23	0.012228	±2.5	PASS
GSM850	190	VN	NT	-1.36	-0.001626	±2.5	PASS
GSM850	190	VH	NT	-1.23	-0.001470	±2.5	PASS
GSM850	251	VL	NT	11.66	0.013737	±2.5	PASS
GSM850	251	VN	NT	9.78	0.011522	±2.5	PASS
GSM850	251	VH	NT	-0.52	-0.000613	±2.5	PASS
GPRS850	128	VL	NT	23.37	0.028355	±2.5	PASS
GPRS850	128	VN	NT	24.34	0.029532	±2.5	PASS
GPRS850	128	VH	NT	24.96	0.030284	±2.5	PASS
GPRS850	190	VL	NT	26.80	0.032034	±2.5	PASS
GPRS850	190	VN	NT	19.92	0.023811	±2.5	PASS
GPRS850	190	VH	NT	24.15	0.028867	±2.5	PASS
GPRS850	251	VL	NT	26.54	0.031268	±2.5	PASS
GPRS850	251	VN	NT	24.12	0.028417	±2.5	PASS
GPRS850	251	VH	NT	25.22	0.029713	±2.5	PASS
EGPRS850	128	VL	NT	26.99	0.032747	±2.5	PASS
EGPRS850	128	VN	NT	25.51	0.030951	±2.5	PASS
EGPRS850	128	VH	NT	27.22	0.033026	±2.5	PASS
EGPRS850	190	VL	NT	32.45	0.038788	±2.5	PASS
EGPRS850	190	VN	NT	30.41	0.036350	±2.5	PASS
EGPRS850	190	VH	NT	29.09	0.034772	±2.5	PASS
EGPRS850	251	VL	NT	29.86	0.035179	±2.5	PASS
EGPRS850	251	VN	NT	28.86	0.034001	±2.5	PASS
EGPRS850	251	VH	NT	28.67	0.033777	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-0.84	-0.001019	±2.5	PASS
GSM850	128	NV	-20	-2.07	-0.002512	±2.5	PASS
GSM850	128	NV	-10	-3.39	-0.004113	±2.5	PASS
GSM850	128	NV	0	-2.87	-0.003482	±2.5	PASS

GSM850	128	NV	10	-2.42	-0.002936	±2.5	PASS
GSM850	128	NV	20	-3.75	-0.004550	±2.5	PASS
GSM850	128	NV	30	-6.23	-0.007559	±2.5	PASS
GSM850	128	NV	40	-1.84	-0.002232	±2.5	PASS
GSM850	128	NV	50	-2.10	-0.002548	±2.5	PASS
GSM850	190	NV	-30	0.52	0.000622	±2.5	PASS
GSM850	190	NV	-20	0.84	0.001004	±2.5	PASS
GSM850	190	NV	-10	-0.71	-0.000849	±2.5	PASS
GSM850	190	NV	0	-0.94	-0.001124	±2.5	PASS
GSM850	190	NV	10	2.07	0.002474	±2.5	PASS
GSM850	190	NV	20	-2.07	-0.002474	±2.5	PASS
GSM850	190	NV	30	2.78	0.003323	±2.5	PASS
GSM850	190	NV	40	1.90	0.002271	±2.5	PASS
GSM850	190	NV	50	1.10	0.001315	±2.5	PASS
GSM850	251	NV	-30	1.90	0.002238	±2.5	PASS
GSM850	251	NV	-20	-2.52	-0.002969	±2.5	PASS
GSM850	251	NV	-10	-0.36	-0.000424	±2.5	PASS
GSM850	251	NV	0	-0.10	-0.000118	±2.5	PASS
GSM850	251	NV	10	-1.36	-0.001602	±2.5	PASS
GSM850	251	NV	20	-0.81	-0.000954	±2.5	PASS
GSM850	251	NV	30	-0.58	-0.000683	±2.5	PASS
GSM850	251	NV	40	3.97	0.004677	±2.5	PASS
GSM850	251	NV	50	2.87	0.003381	±2.5	PASS
GPRS850	128	NV	-30	21.24	0.025770	±2.5	PASS
GPRS850	128	NV	-20	23.63	0.028670	±2.5	PASS
GPRS850	128	NV	-10	24.21	0.029374	±2.5	PASS
GPRS850	128	NV	0	24.83	0.030126	±2.5	PASS
GPRS850	128	NV	10	24.63	0.029884	±2.5	PASS
GPRS850	128	NV	20	24.09	0.029228	±2.5	PASS
GPRS850	128	NV	30	21.57	0.026171	±2.5	PASS
GPRS850	128	NV	40	21.34	0.025892	±2.5	PASS
GPRS850	128	NV	50	23.31	0.028282	±2.5	PASS
GPRS850	190	NV	-30	21.63	0.025855	±2.5	PASS
GPRS850	190	NV	-20	22.15	0.026476	±2.5	PASS
GPRS850	190	NV	-10	22.73	0.027169	±2.5	PASS
GPRS850	190	NV	0	22.63	0.027050	±2.5	PASS
GPRS850	190	NV	10	25.18	0.030098	±2.5	PASS
GPRS850	190	NV	20	23.28	0.027827	±2.5	PASS
GPRS850	190	NV	30	26.73	0.031951	±2.5	PASS
GPRS850	190	NV	40	26.73	0.031951	±2.5	PASS
GPRS850	190	NV	50	27.48	0.032847	±2.5	PASS

GPRS850	251	NV	-30	22.44	0.026437	±2.5	PASS
GPRS850	251	NV	-20	24.05	0.028334	±2.5	PASS
GPRS850	251	NV	-10	21.57	0.025412	±2.5	PASS
GPRS850	251	NV	0	22.76	0.026814	±2.5	PASS
GPRS850	251	NV	10	23.47	0.027651	±2.5	PASS
GPRS850	251	NV	20	21.47	0.025295	±2.5	PASS
GPRS850	251	NV	30	21.53	0.025365	±2.5	PASS
GPRS850	251	NV	40	21.79	0.025672	±2.5	PASS
GPRS850	251	NV	50	24.28	0.028605	±2.5	PASS
EGPRS850	128	NV	-30	28.31	0.034348	±2.5	PASS
EGPRS850	128	NV	-20	27.80	0.033730	±2.5	PASS
EGPRS850	128	NV	-10	27.96	0.033924	±2.5	PASS
EGPRS850	128	NV	0	29.32	0.035574	±2.5	PASS
EGPRS850	128	NV	10	28.99	0.035174	±2.5	PASS
EGPRS850	128	NV	20	31.12	0.037758	±2.5	PASS
EGPRS850	128	NV	30	27.96	0.033924	±2.5	PASS
EGPRS850	128	NV	40	32.45	0.039372	±2.5	PASS
EGPRS850	128	NV	50	32.22	0.039092	±2.5	PASS
EGPRS850	190	NV	-30	33.03	0.039481	±2.5	PASS
EGPRS850	190	NV	-20	31.67	0.037856	±2.5	PASS
EGPRS850	190	NV	-10	30.64	0.036624	±2.5	PASS
EGPRS850	190	NV	0	27.02	0.032297	±2.5	PASS
EGPRS850	190	NV	10	30.93	0.036971	±2.5	PASS
EGPRS850	190	NV	20	29.96	0.035812	±2.5	PASS
EGPRS850	190	NV	30	33.32	0.039828	±2.5	PASS
EGPRS850	190	NV	40	31.64	0.037820	±2.5	PASS
EGPRS850	190	NV	50	32.93	0.039362	±2.5	PASS
EGPRS850	251	NV	-30	30.25	0.035639	±2.5	PASS
EGPRS850	251	NV	-20	29.67	0.034955	±2.5	PASS
EGPRS850	251	NV	-10	30.51	0.035945	±2.5	PASS
EGPRS850	251	NV	0	30.74	0.036216	±2.5	PASS
EGPRS850	251	NV	10	29.83	0.035144	±2.5	PASS
EGPRS850	251	NV	20	29.22	0.034425	±2.5	PASS
EGPRS850	251	NV	30	30.22	0.035603	±2.5	PASS
EGPRS850	251	NV	40	27.38	0.032257	±2.5	PASS
EGPRS850	251	NV	50	32.90	0.038761	±2.5	PASS

***** End *****