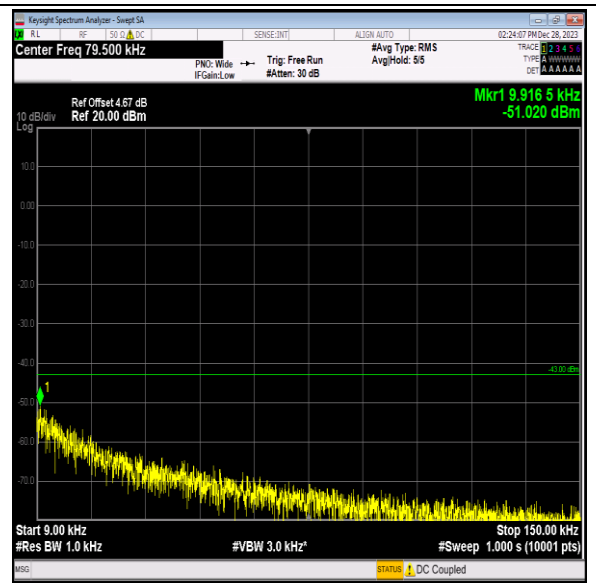
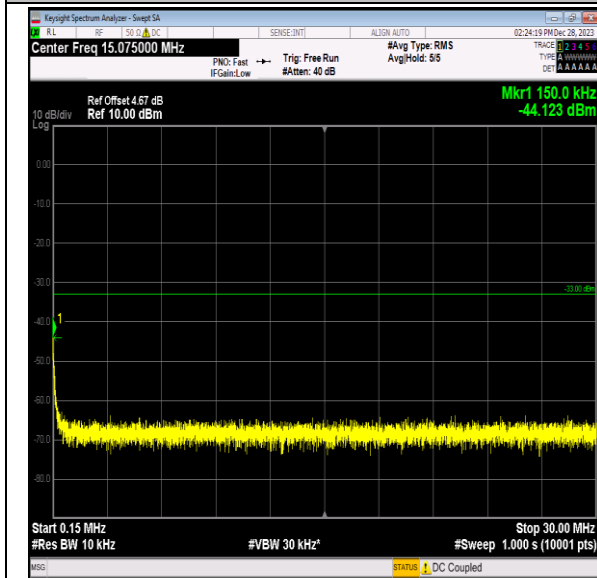


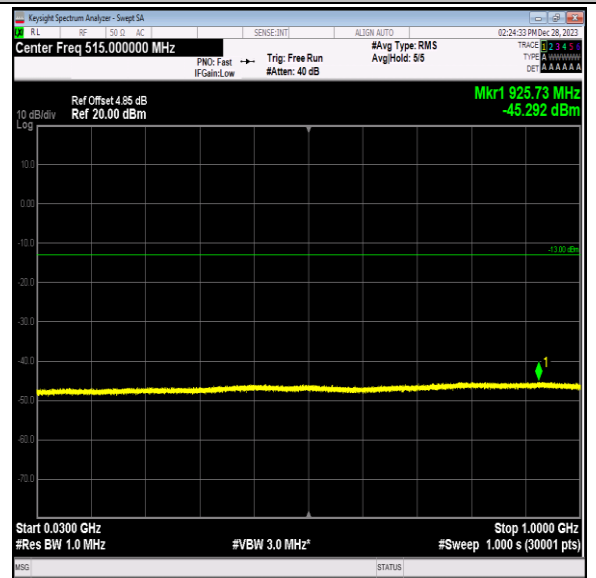
GSM1900-512-0-3000~18000MHz-PASS



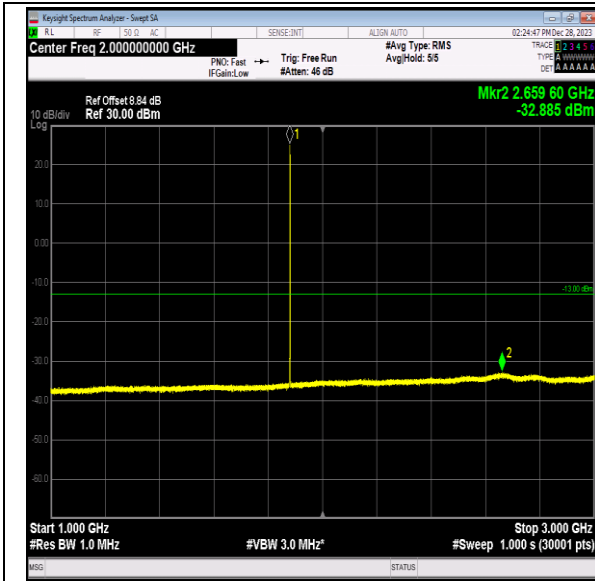
GSM1900-661-0-0.009~0.15MHz-PASS



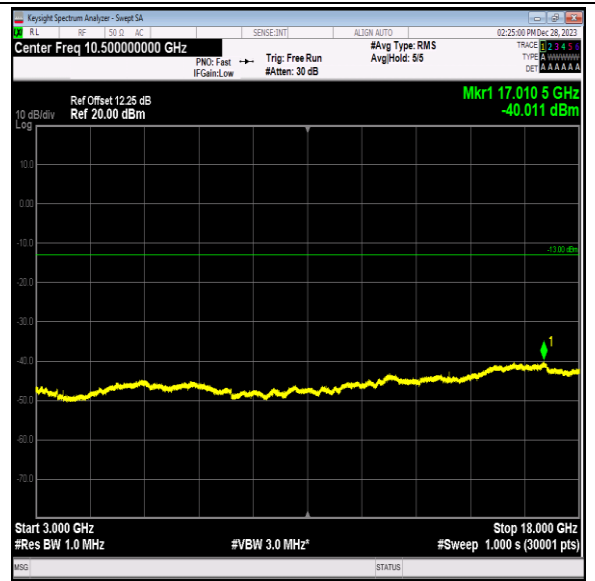
GSM1900-661-0-0.15~30MHz-PASS



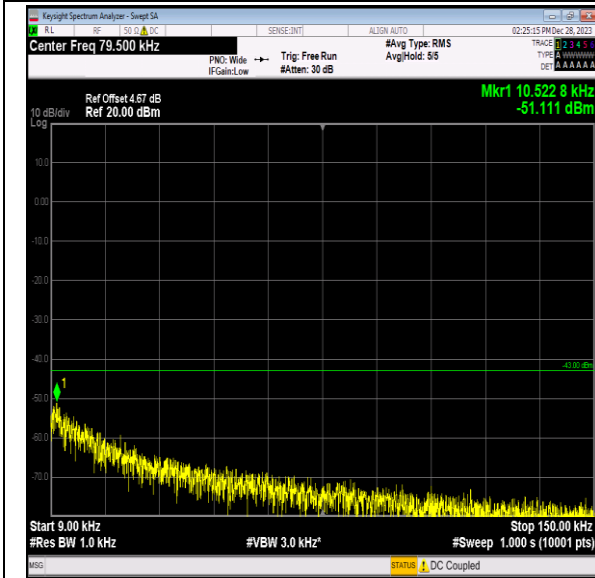
GSM1900-661-0-30~1000MHz-PASS



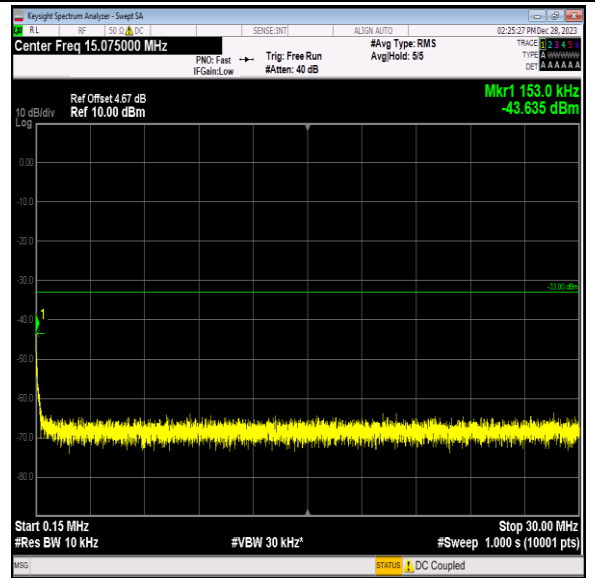
GSM1900-661-0-1000~3000MHz-PASS



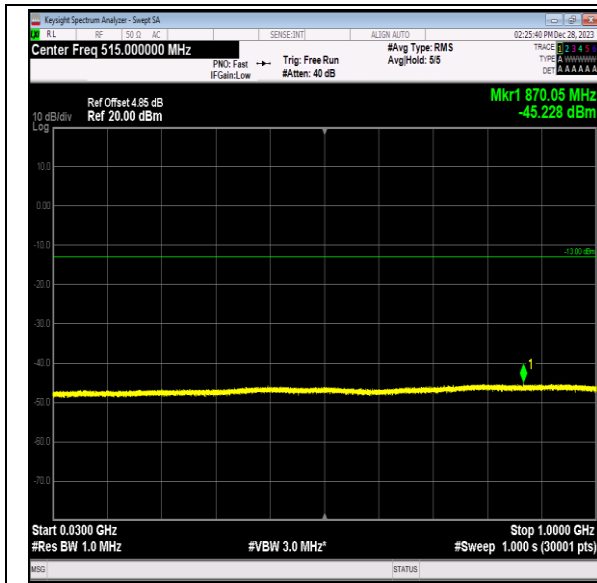
GSM1900-661-0-3000~18000MHz-PASS



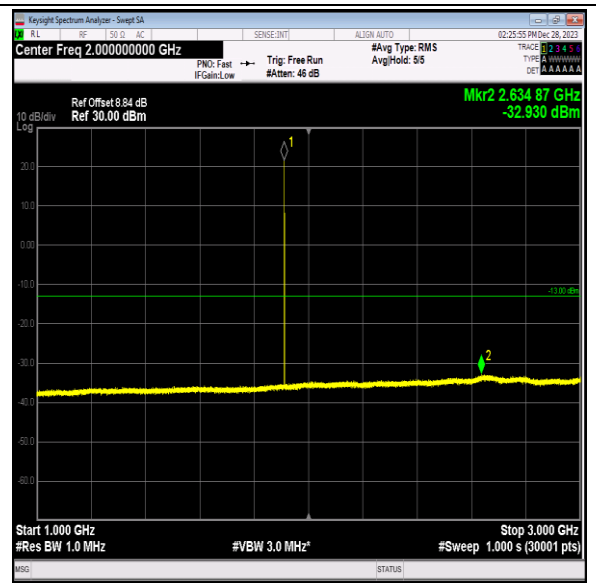
GSM1900-810-0-0.009~0.15MHz-PASS



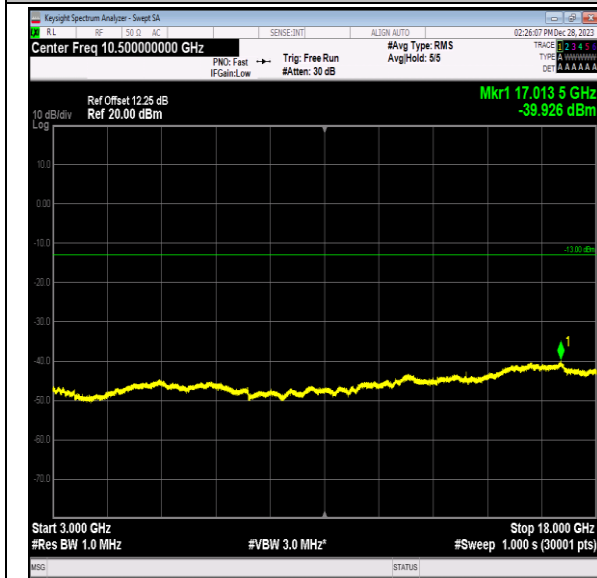
GSM1900-810-0-0.15~30MHz-PASS



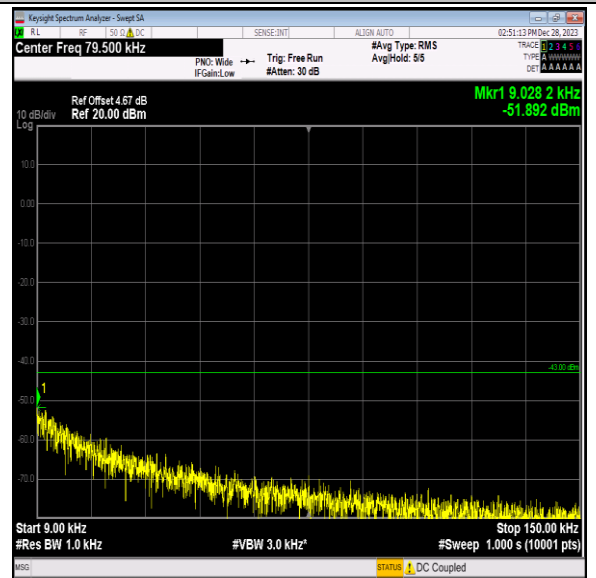
GSM1900-810-0-30~1000MHz-PASS



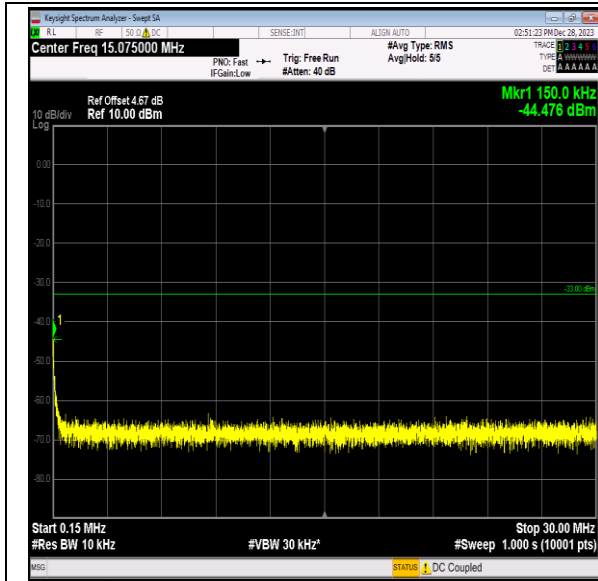
GSM1900-810-0-1000~3000MHz-PASS



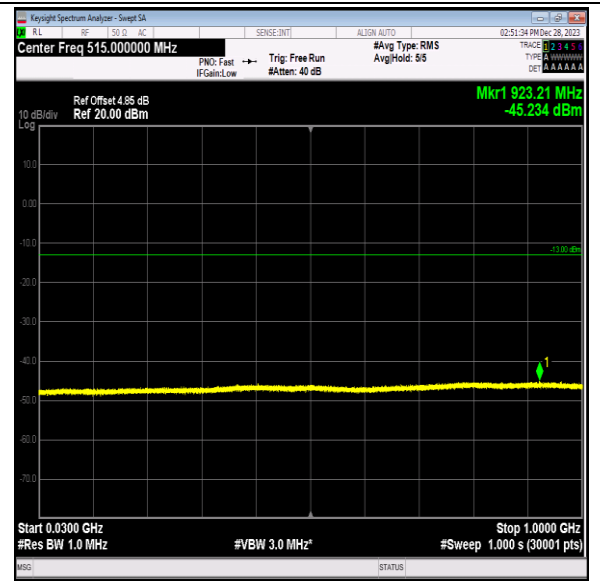
GSM1900-810-0-3000~18000MHz-PASS



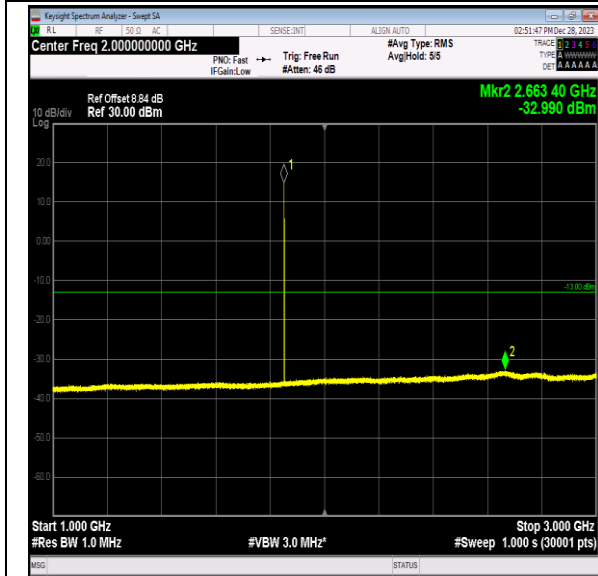
GPRS1900-512-0-0.009~0.15MHz-PASS



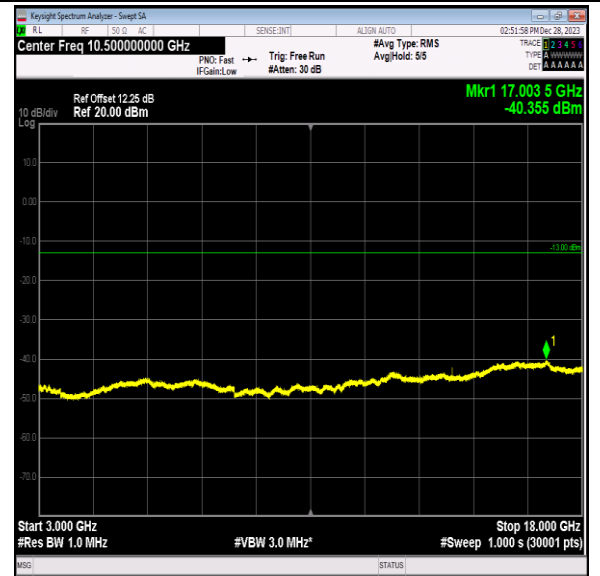
GPRS1900-512-0-0.15~30MHz-PASS



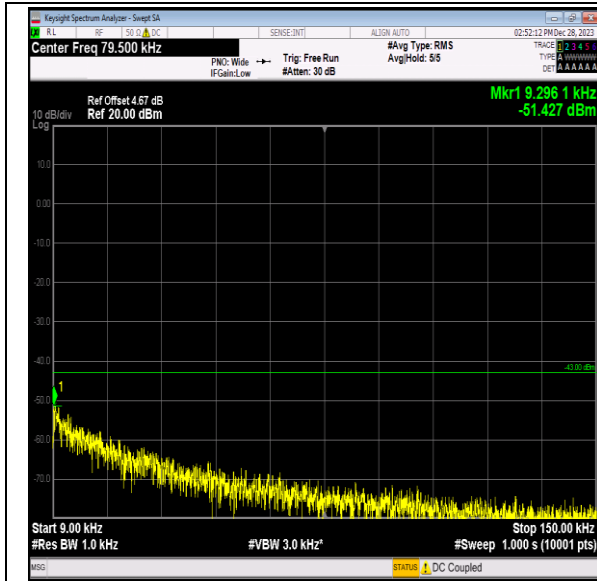
GPRS1900-512-0-30~1000MHz-PASS



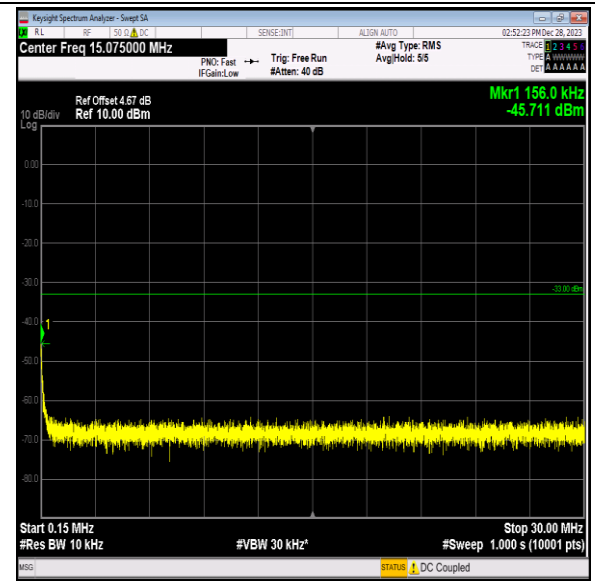
GPRS1900-512-0-1000~3000MHz-PASS



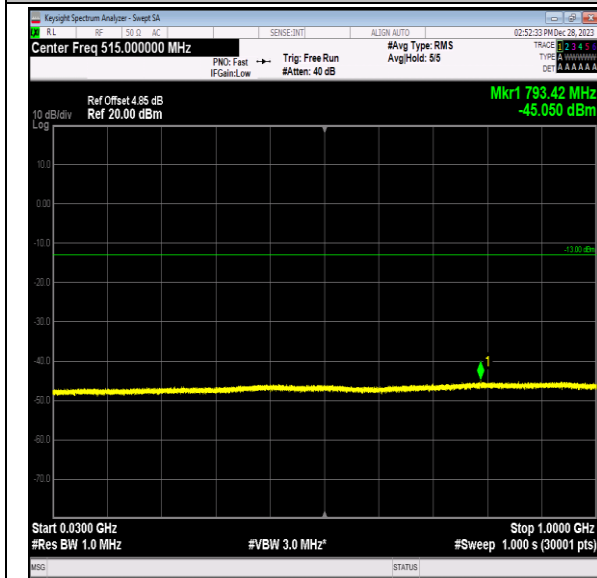
GPRS1900-512-0-3000~18000MHz-PASS



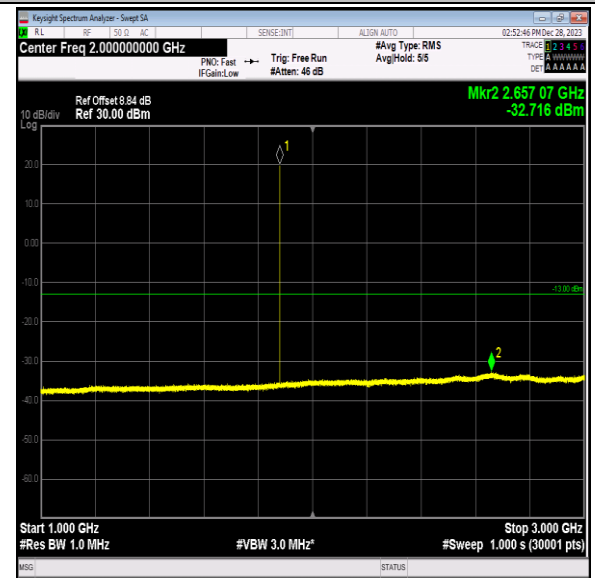
GPRS1900-661-0-0.009~0.15MHz-PASS



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



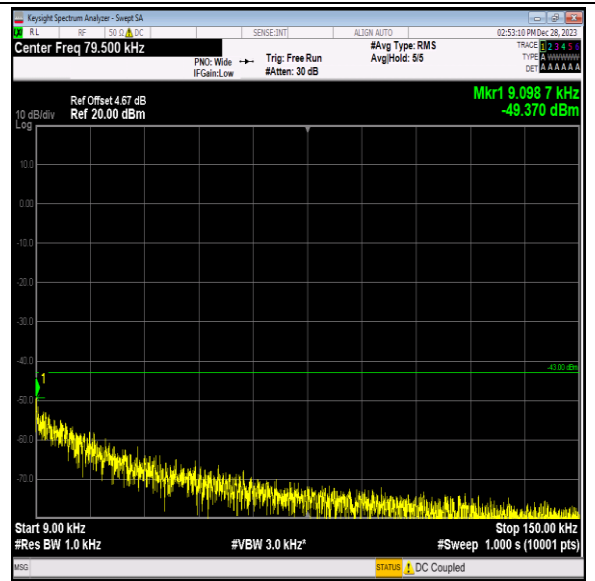
GPRS1900-661-0-30~1000MHz-PASS



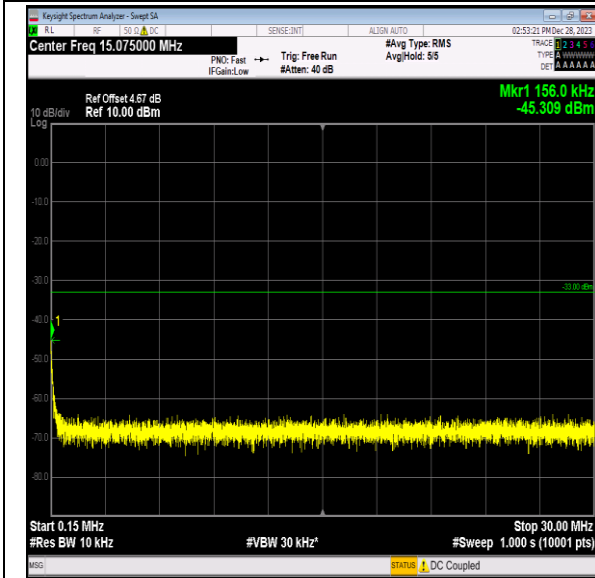
GPRS1900-661-0-1000~3000MHz-PASS



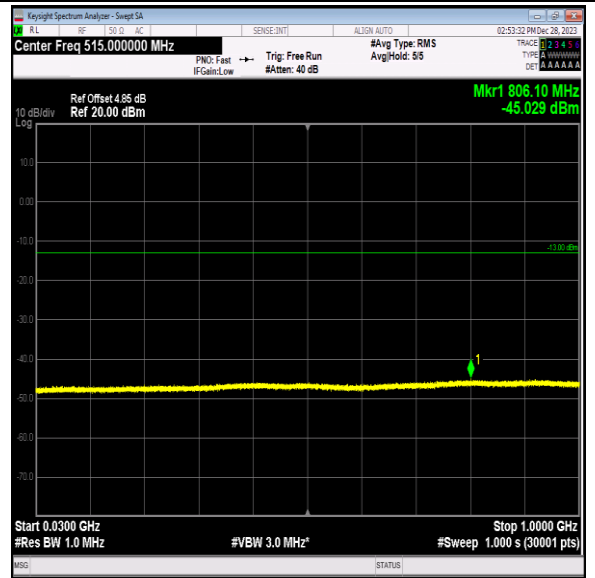
GPRS1900-661-0-3000~18000MHz-PASS



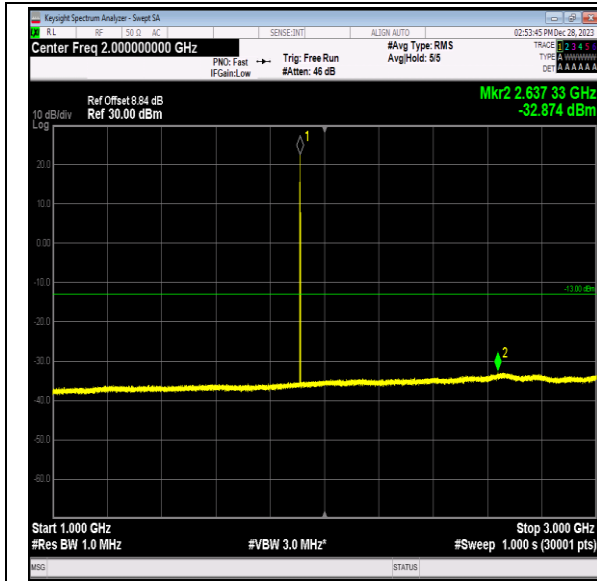
GPRS1900-810-0-0.009~0.15MHz-PASS



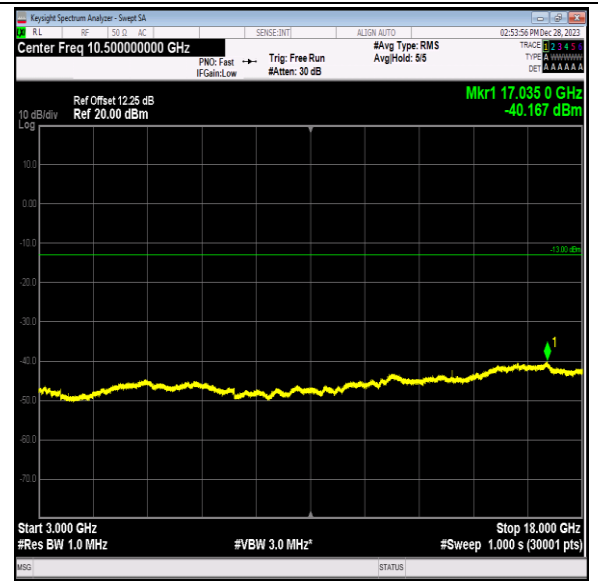
GPRS1900-810-0-0.15~30MHz-PASS



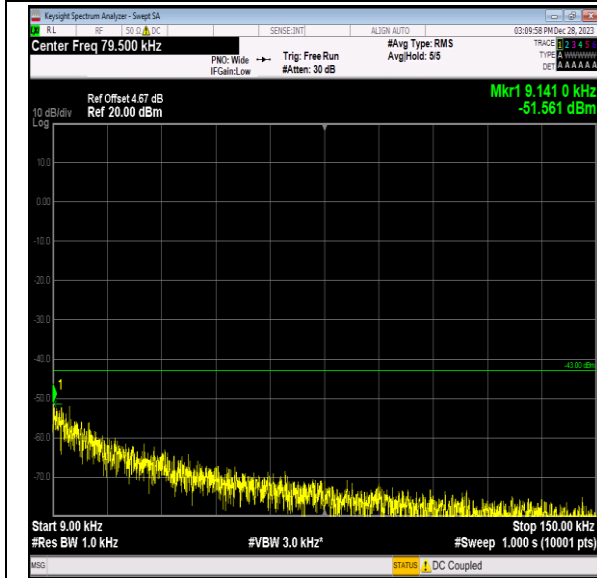
GPRS1900-810-0-30~1000MHz-PASS



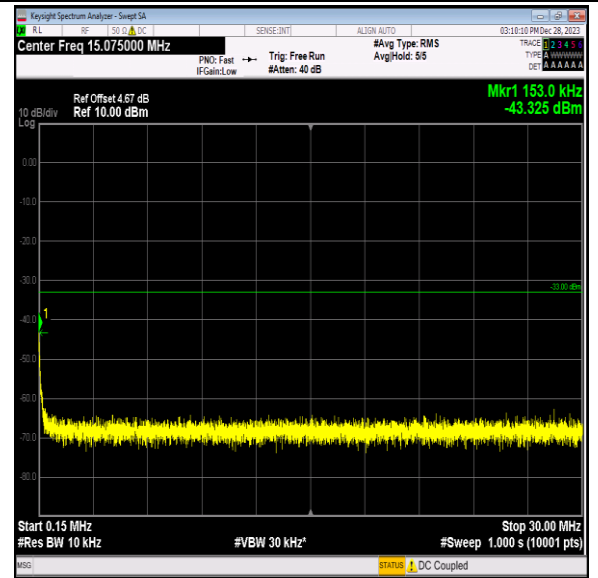
GPRS1900-810-0-1000~3000MHz-PASS



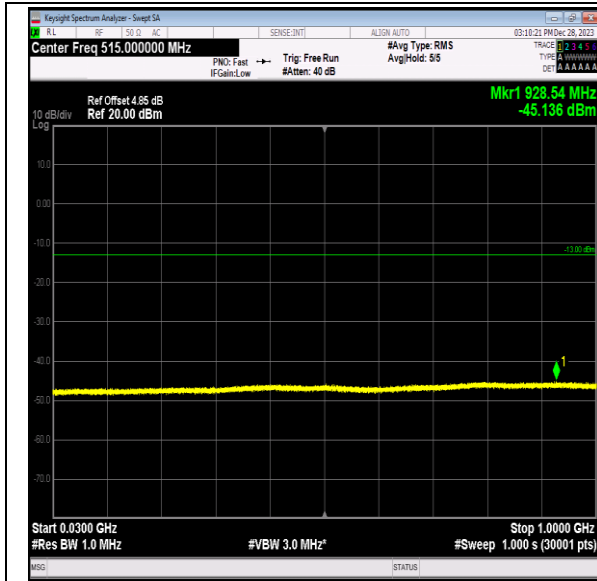
GPRS1900-810-0-3000~18000MHz-PASS



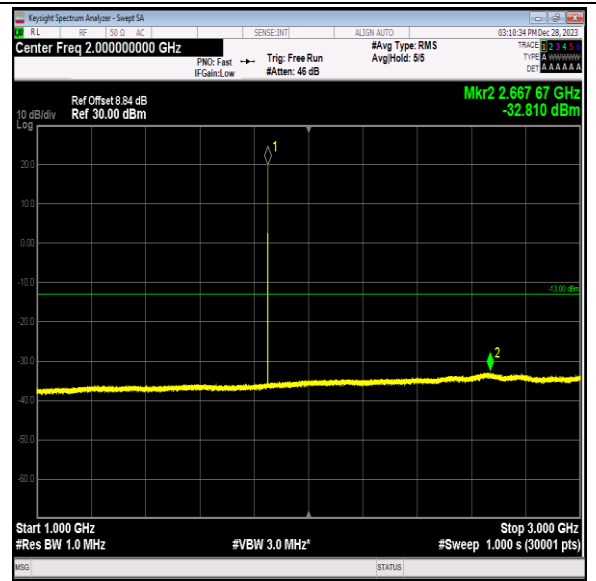
EGPRS1900-512-2-0.009~0.15MHz-PASS



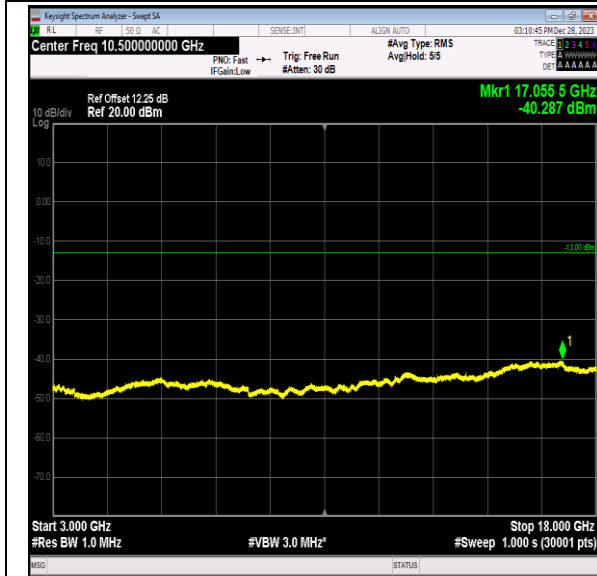
EGPRS1900-512-2-0.15~30MHz-PASS



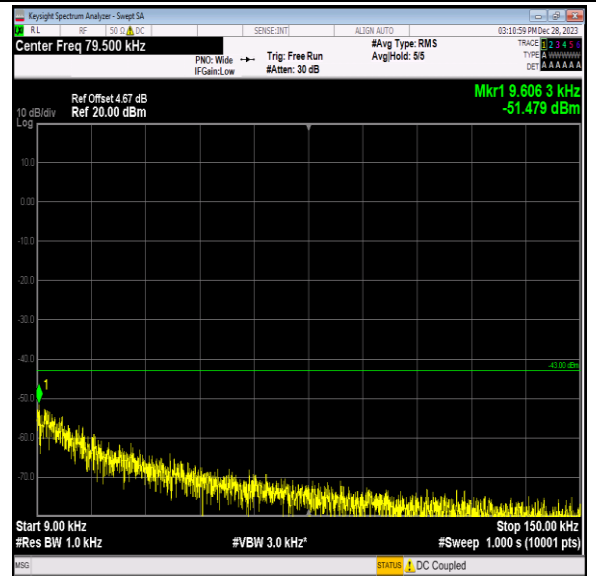
EGPRS1900-512-2-30~100MHz-PASS



EGPRS1900-512-2-100~300MHz-PASS

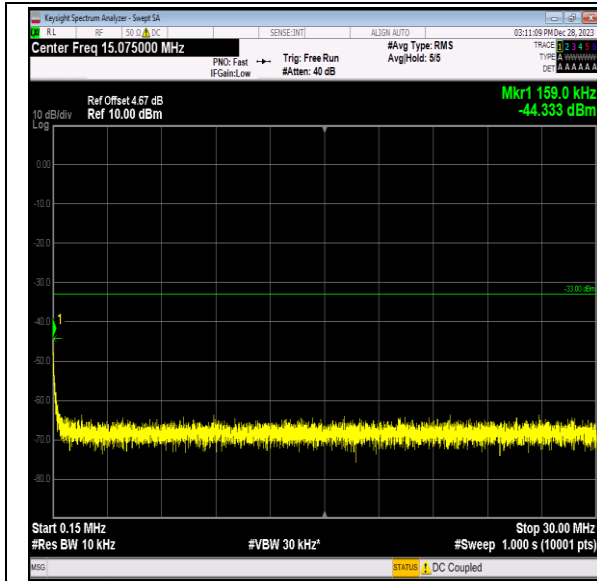


EGPRS1900-512-2-3000~18000MHz-PASS

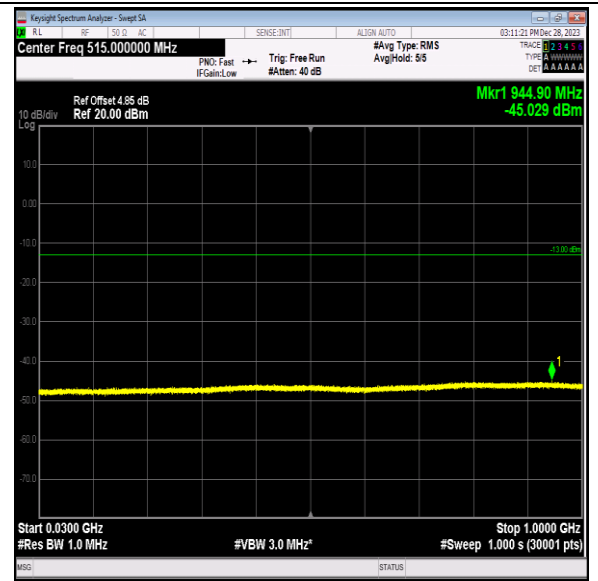


EGPRS1900-661-2-0.009~0.15MHz-PASS

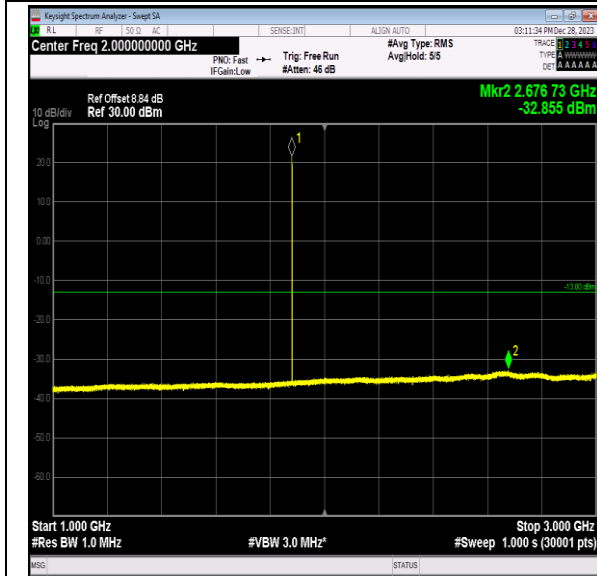




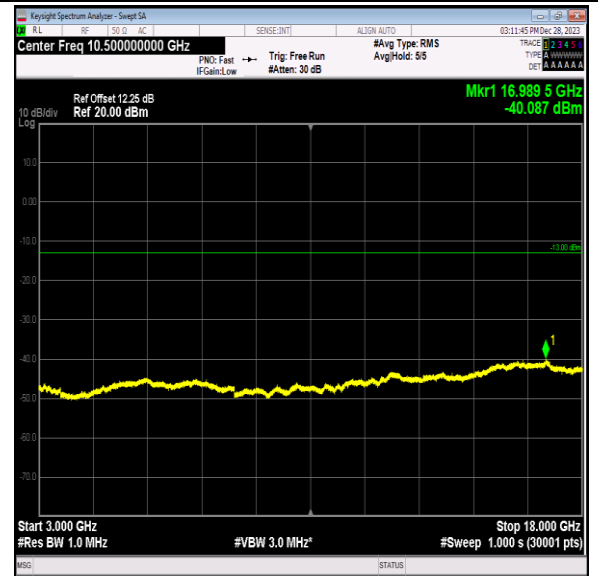
EGPRS1900-661-2-0.15~30MHz-PASS



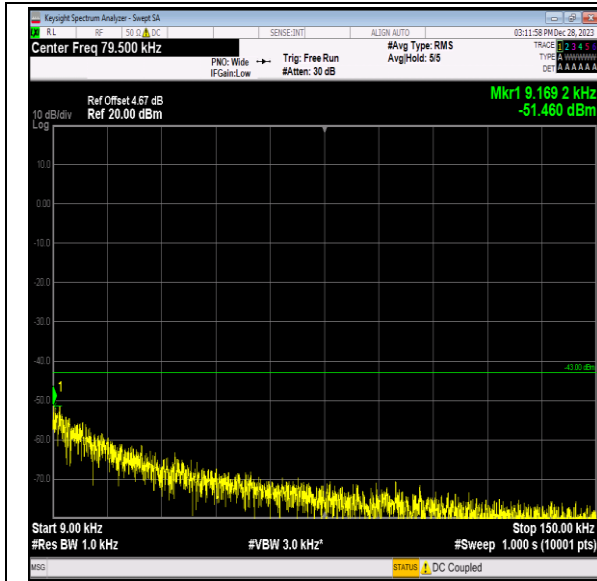
EGPRS1900-661-2-30~100MHz-PASS



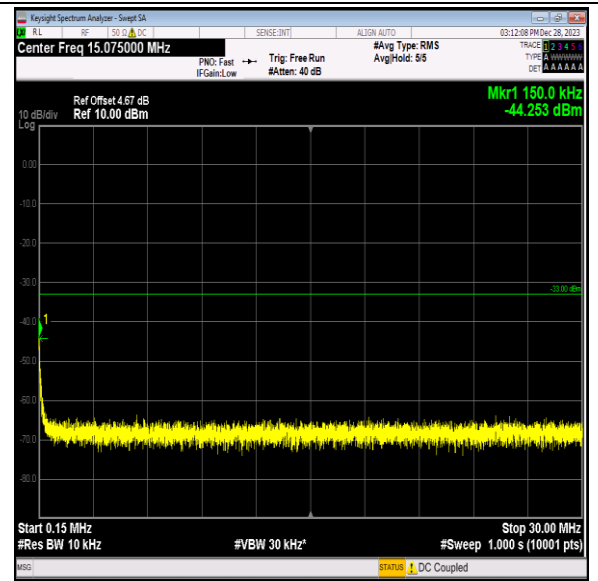
EGPRS1900-661-2-1000~3000MHz-PASS



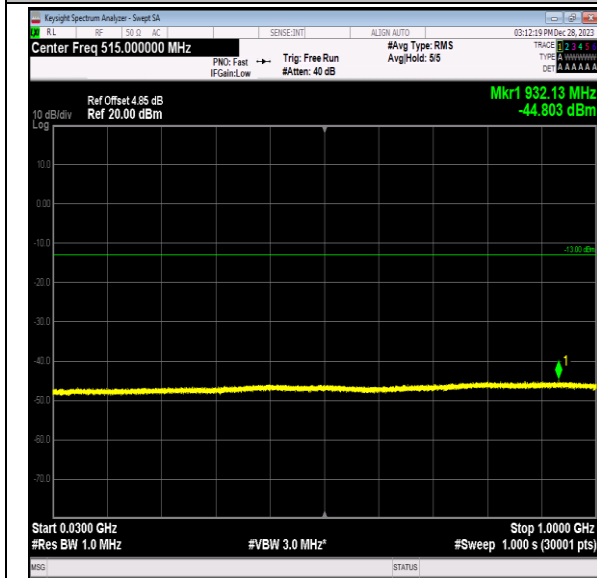
EGPRS1900-661-2-3000~18000MHz-PASS



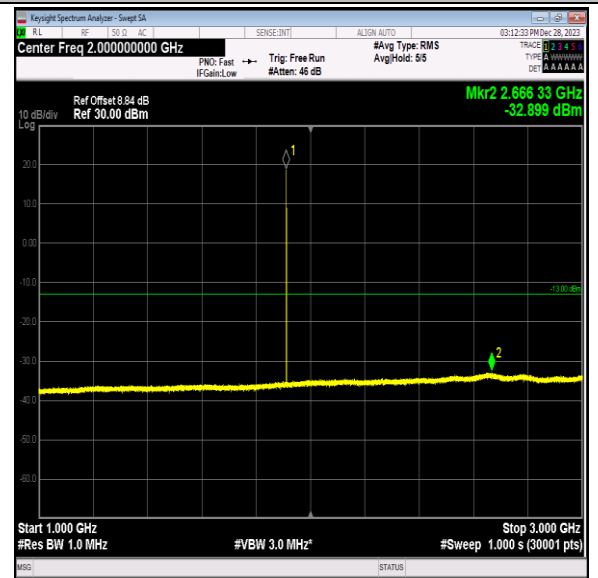
EGPRS1900-810-2-0.009~0.15MHz-PASS



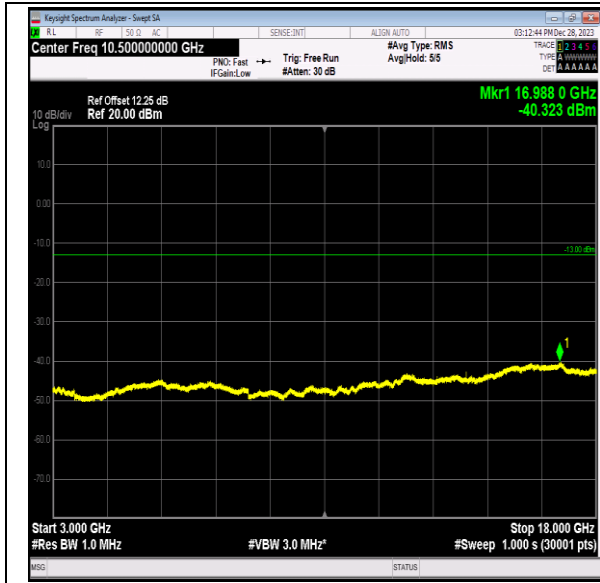
EGPRS1900-810-2-0.15~30MHz-PASS



EGPRS1900-810-2-30~100MHz-PASS



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



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

## Appendix F: Frequency Stability

### Test Result

Reference Frequency: GSM850 Middle channel=190 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	-2.55	-0.003048	±2.5	Pass
	-20	-5.23	-0.006251		
	-10	-2.23	-0.002666		
	0	2.94	0.003514		
	10	9.49	0.011344		
	20	8.10	0.009682		
	30	8.01	0.009574		
	40	1.19	0.001422		
	50	2.55	0.003048		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-2.49	-0.002976	±2.5	Pass
	3.91	-5.84	-0.006981		
	4.50	-1.71	-0.002044		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: EGPRS850 Middle channel=190 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	-9.56	-0.011427	±2.5	Pass
	-20	-11.98	-0.014320		
	-10	-7.04	-0.008415		
	0	-9.88	-0.011810		
	10	-10.01	-0.011965		
	20	-11.14	-0.013316		
	30	-18.73	-0.022388		
	40	-15.95	-0.019065		
	50	-10.65	-0.012730		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-10.49	-0.012539	±2.5	Pass
	3.91	-11.59	-0.013854		
	4.50	-9.33	-0.011152		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: PCS1900 Middle channel=661 Frequency=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	-5.68	-0.003021	Within authorized band for PCS 1900	Pass
	-20	-5.62	-0.002989		
	-10	-3.29	-0.001750		
	0	-7.49	-0.003984		
	10	-3.71	-0.001973		
	20	-9.14	-0.004862		
	30	-11.56	-0.006149		
	40	-6.17	-0.003282		
	50	-4.49	-0.002388		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-4.23	-0.002250	Within authorized band for PCS 1900	Pass
	3.91	-5.10	-0.002713		
	4.50	-7.62	-0.004053		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: EGPRS1900 Middle channel=661 Frequency=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	-10.75	-0.005718	Within authorized band for PCS 1900	Pass
	-20	-9.75	-0.005186		
	-10	-7.52	-0.004000		
	0	-7.85	-0.004176		
	10	-8.98	-0.004777		
	20	-6.46	-0.003436		
	30	-9.69	-0.005154		
	40	-5.46	-0.002904		
	50	-0.45	-0.000239		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-16.40	-0.008723	Within authorized band for PCS 1900	Pass
	3.91	-11.95	-0.006356		
	4.50	-7.75	-0.004122		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

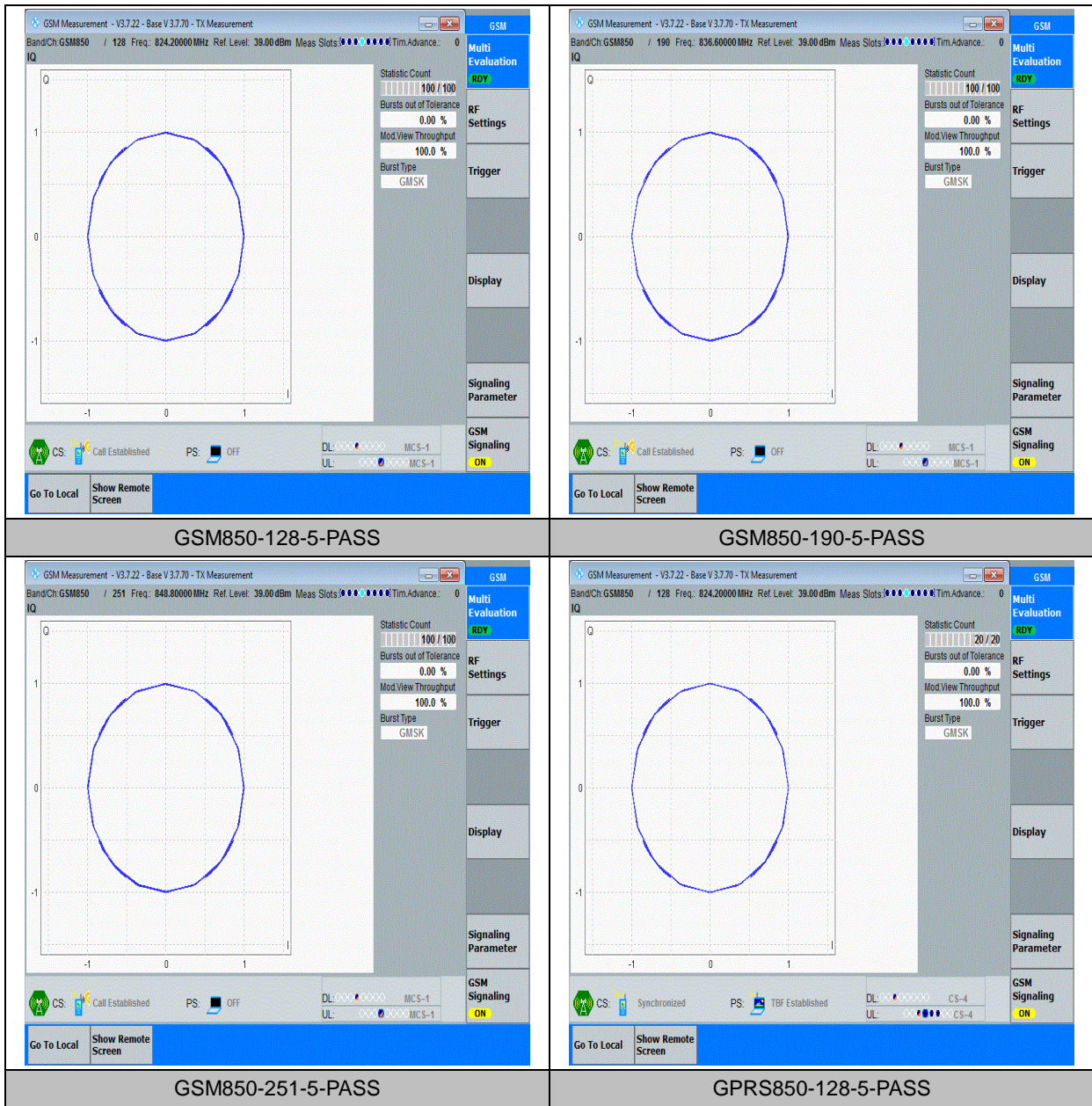
## Appendix G: Modulation Characteristics

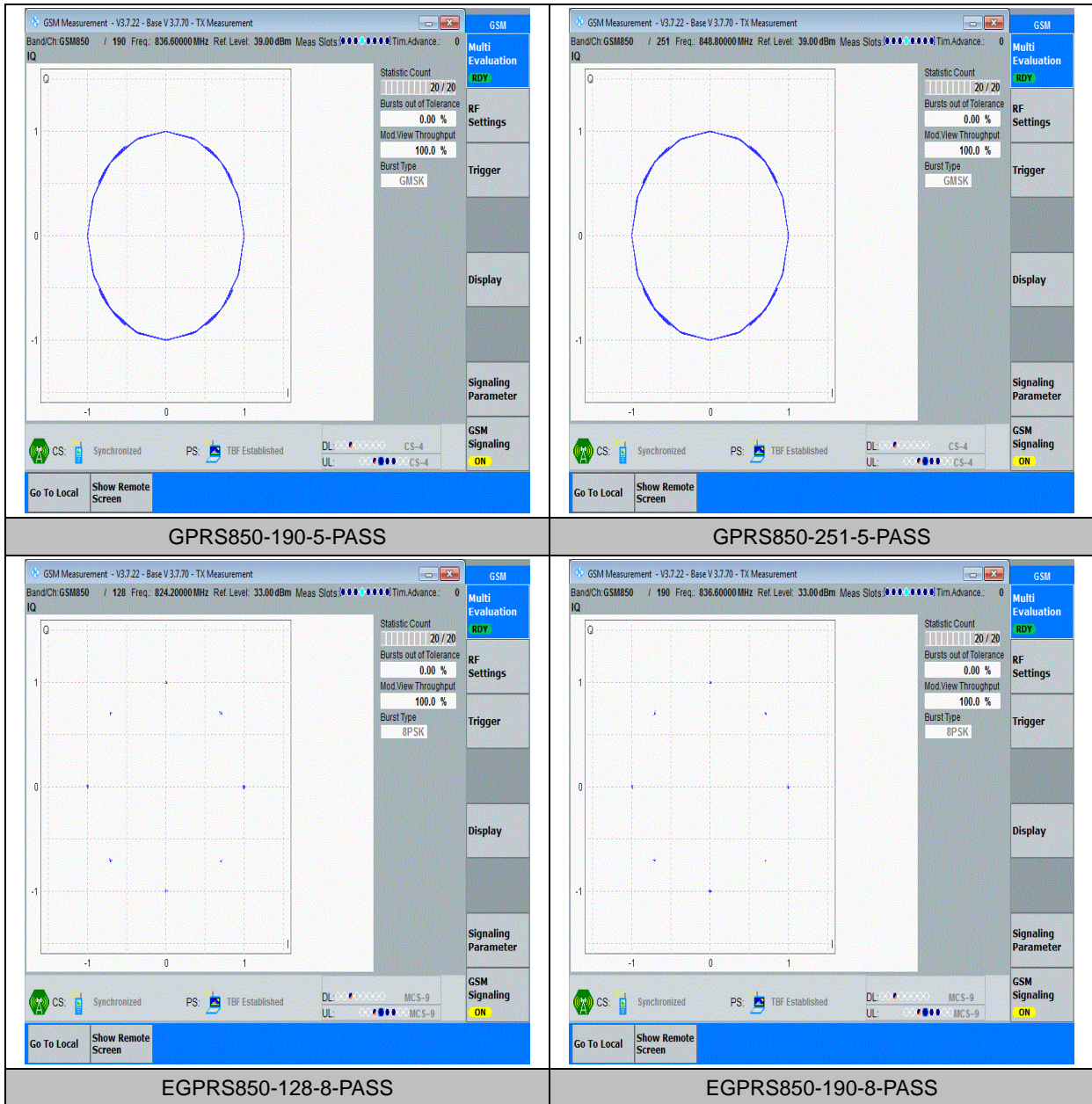
### Test Result

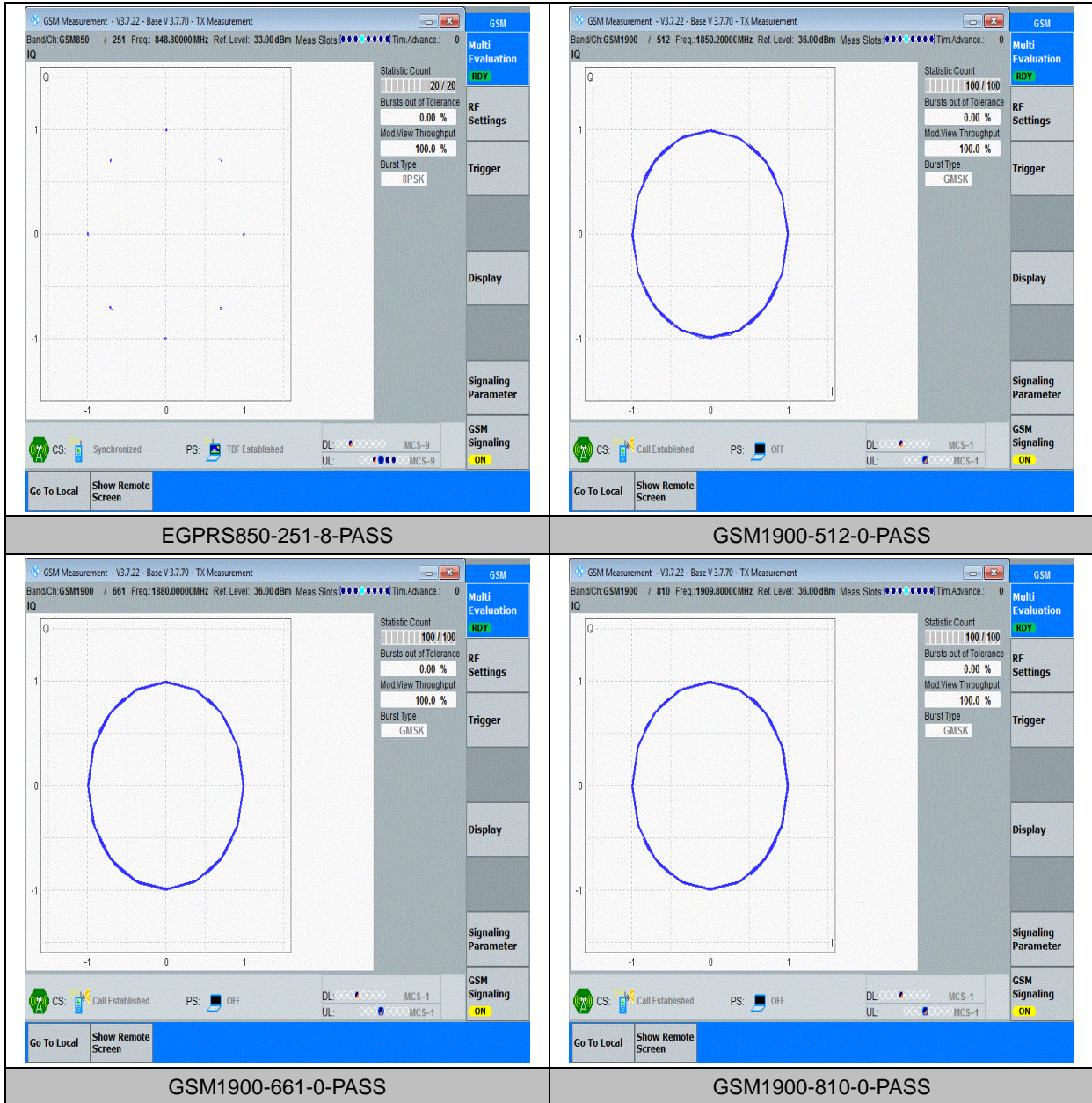
Band	Channel	Result	Verdict
GSM850	128	PASS	PASS
GSM850	190	PASS	PASS
GSM850	251	PASS	PASS
GPRS850	128	PASS	PASS
GPRS850	190	PASS	PASS
GPRS850	251	PASS	PASS
EGPRS850	128	PASS	PASS
EGPRS850	190	PASS	PASS
EGPRS850	251	PASS	PASS
GSM1900	512	PASS	PASS
GSM1900	661	PASS	PASS
GSM1900	810	PASS	PASS
GPRS1900	512	PASS	PASS
GPRS1900	661	PASS	PASS
GPRS1900	810	PASS	PASS
EGPRS1900	512	PASS	PASS
EGPRS1900	661	PASS	PASS
EGPRS1900	810	PASS	PASS

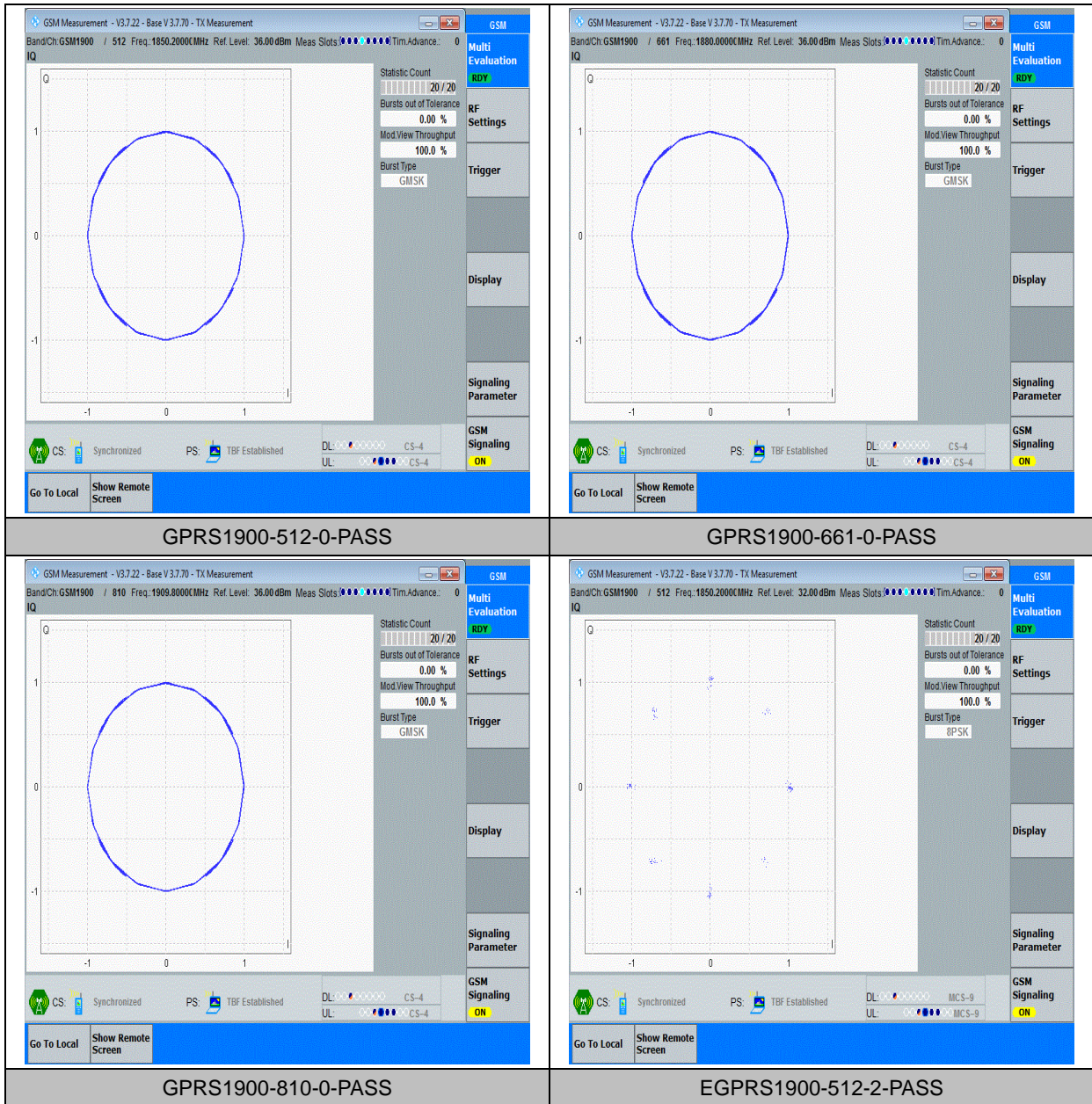


### Test Graphs









GPRS1900-512-0-PASS

GPRS1900-661-0-PASS

GPRS1900-810-0-PASS

EGPRS1900-512-2-PASS

