

Appendix Test Data

Report No.:	182512C400497105	Test Sample No.:	1-2-2
Start Test Date:	2024.7.19	Finish Test Date:	2024.8.13
Test Engineer:	Hayman Chen	Auditor:	Justin Feng
Temperature:	24.3℃	Relative Humidity:	57 %
Pressure:	101 kPa		

Appendix A: Conducted Output Power

Test Result

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM1900	512	26.39	33.00	PASS
GSM1900	661	27.62	33.00	PASS
GSM1900	810	27.73	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS1900	512	1	26.18	33.00	PASS
GPRS1900	512	2	25.77	33.00	PASS
GPRS1900	512	3	24.51	33.00	PASS
GPRS1900	512	4	23.07	33.00	PASS
GPRS1900	661	1	27.42	33.00	PASS
GPRS1900	661	2	27.13	33.00	PASS
GPRS1900	661	3	25.86	33.00	PASS
GPRS1900	661	4	24.42	33.00	PASS
GPRS1900	810	1	27.60	33.00	PASS
GPRS1900	810	2	27.33	33.00	PASS
GPRS1900	810	3	26.06	33.00	PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



0					
GPRS1900	810	4	24.54	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	21.73	33.00	PASS
EGPRS1900	512	2	20.44	33.00	PASS
EGPRS1900	512	3	19.06	33.00	PASS
EGPRS1900	512	4	17.67	33.00	PASS
EGPRS1900	661	1	22.77	33.00	PASS
EGPRS1900	661	2	21.45	33.00	PASS
EGPRS1900	661	3	20.12	33.00	PASS
EGPRS1900	661	4	18.76	33.00	PASS
EGPRS1900	810	1	22.75	33.00	PASS
EGPRS1900	810	2	21.49	33.00	PASS
EGPRS1900	810	3	20.09	33.00	PASS
EGPRS1900	810	4	18.73	33.00	PASS



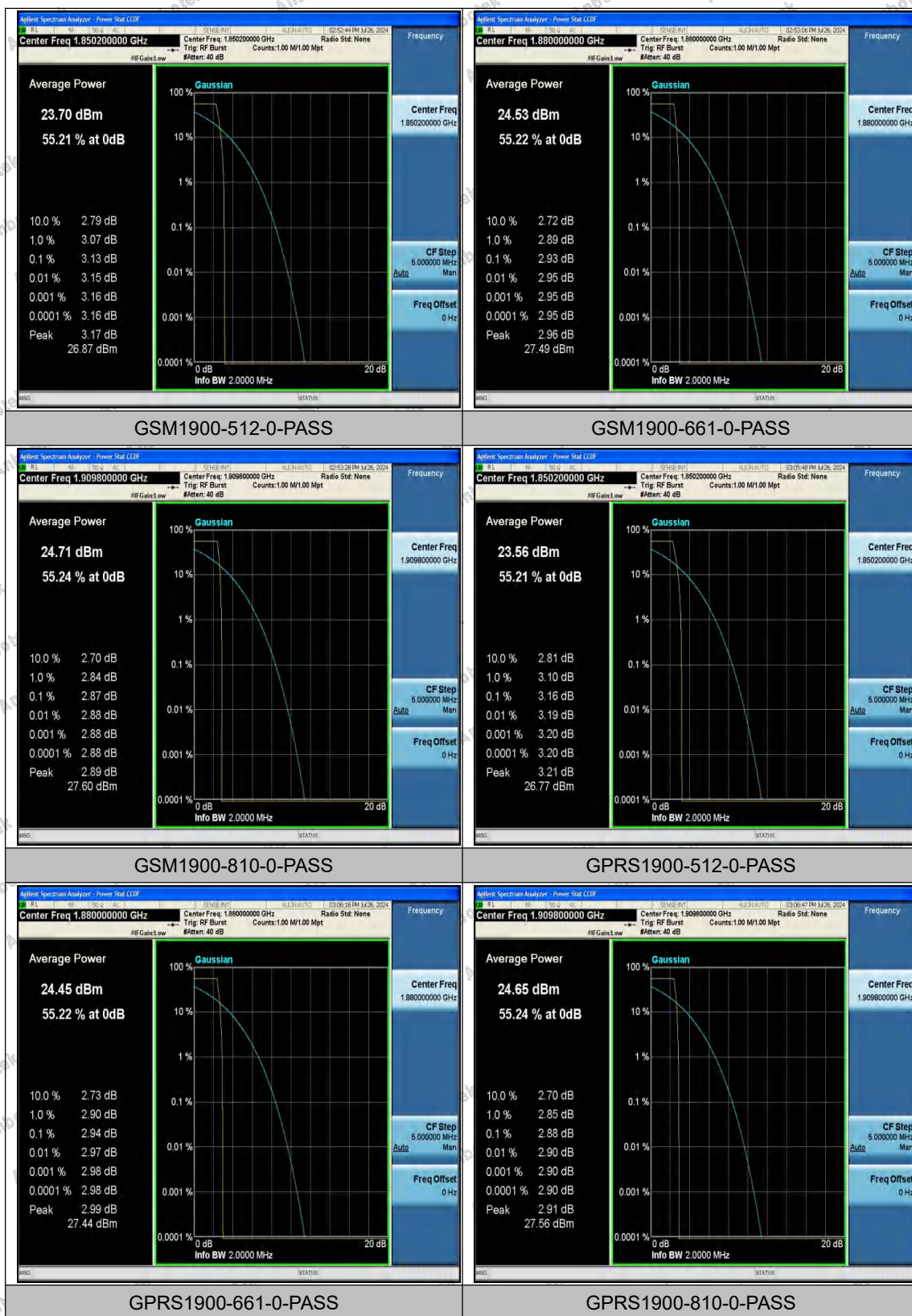
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM1900	512	3.13	13	PASS
GSM1900	661	2.93	13	PASS
GSM1900	810	2.87	13	PASS
GPRS1900	512	3.16	13	PASS
GPRS1900	661	2.94	13	PASS
GPRS1900	810	2.88	13	PASS
EGPRS1900	512	5.99	13	PASS
EGPRS1900	661	6.01	13	PASS
EGPRS1900	810	6.02	13	PASS



Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 0755-26066440 Email: service@anbotek.com

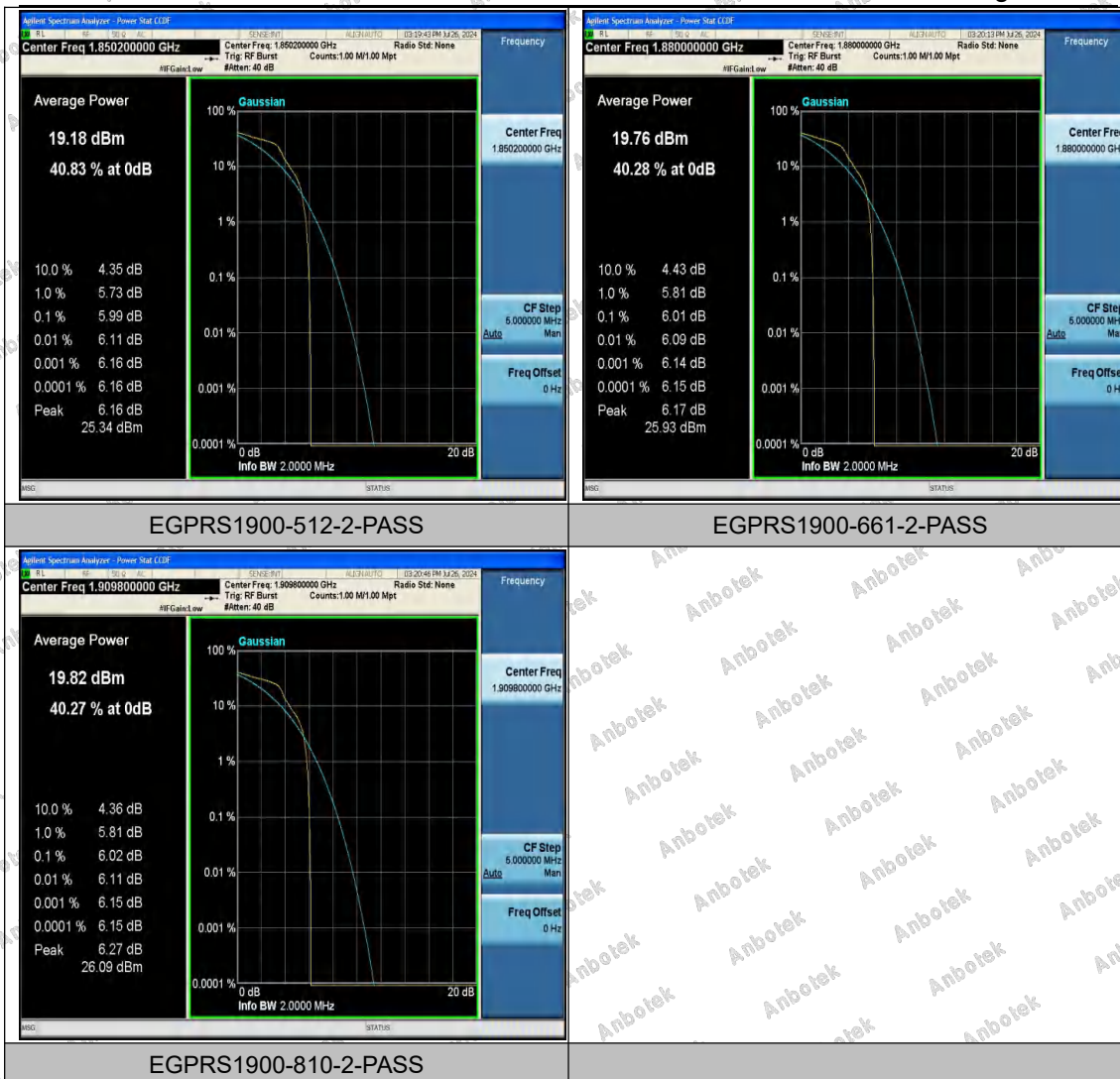


Hotline

400-003-0500

www.anbotek.com





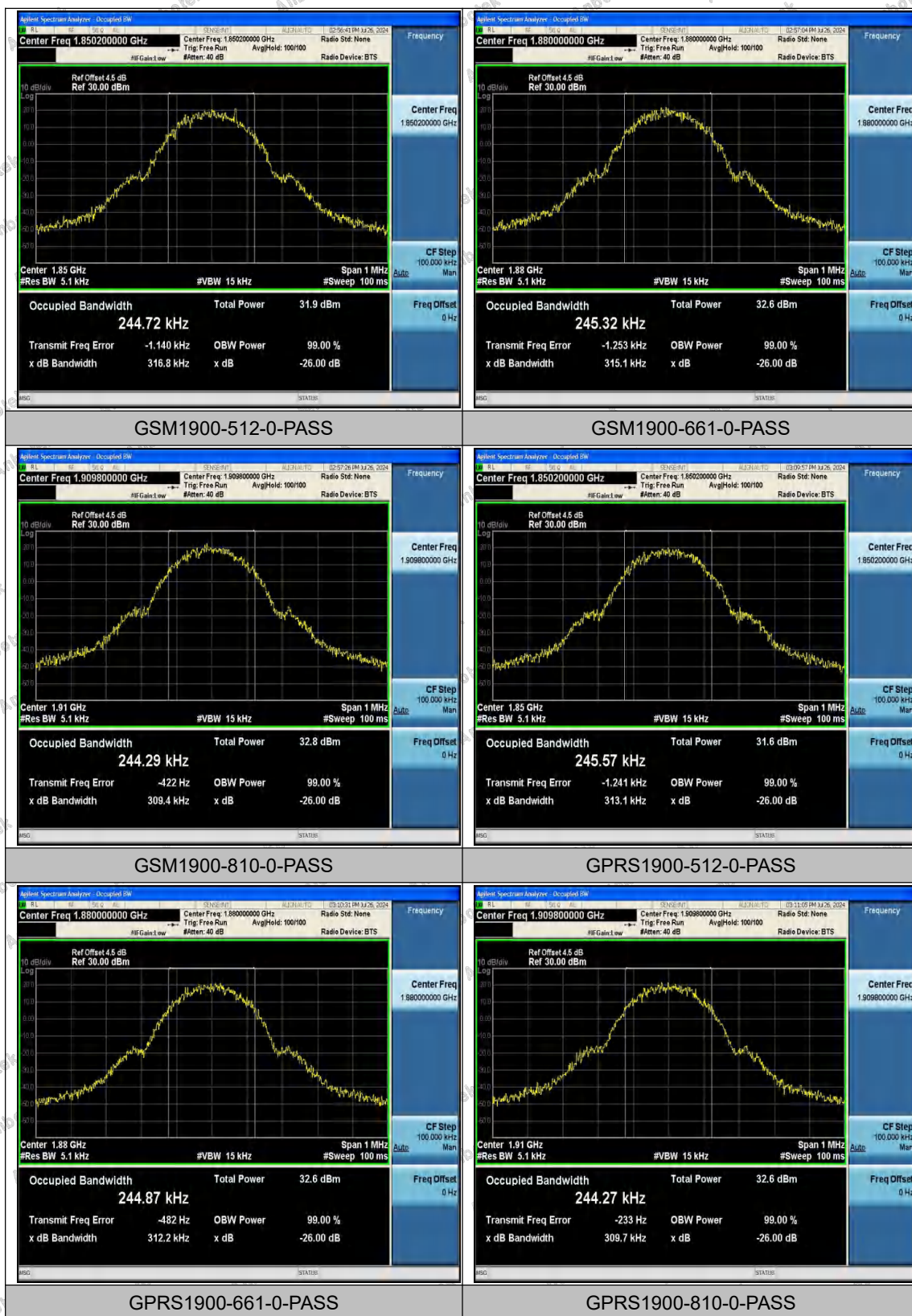
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM1900	512	0.24472	0.3168	---	PASS
GSM1900	661	0.24532	0.3151	---	PASS
GSM1900	810	0.24429	0.3094	---	PASS
GPRS1900	512	0.24557	0.3131	---	PASS
GPRS1900	661	0.24487	0.3122	---	PASS
GPRS1900	810	0.24427	0.3097	---	PASS
EGPRS1900	512	0.24299	0.3065	---	PASS
EGPRS1900	661	0.24679	0.3007	---	PASS
EGPRS1900	810	0.24544	0.3085	---	PASS



Test Graphs



Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

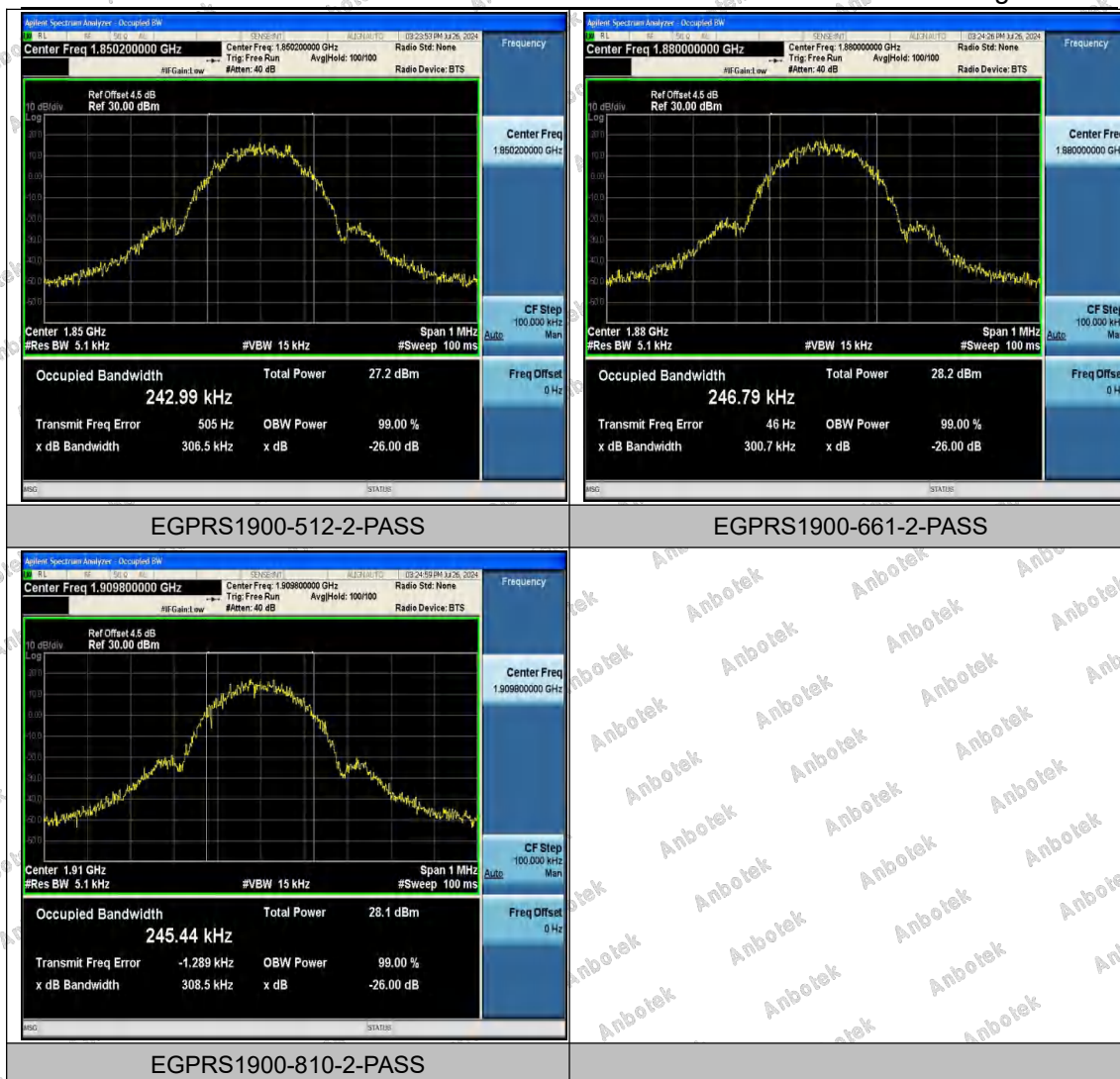
Tel: (86) 0755-26066440 Email: service@anbotech.com



Hotline
400-003-0500

www.anbotech.com





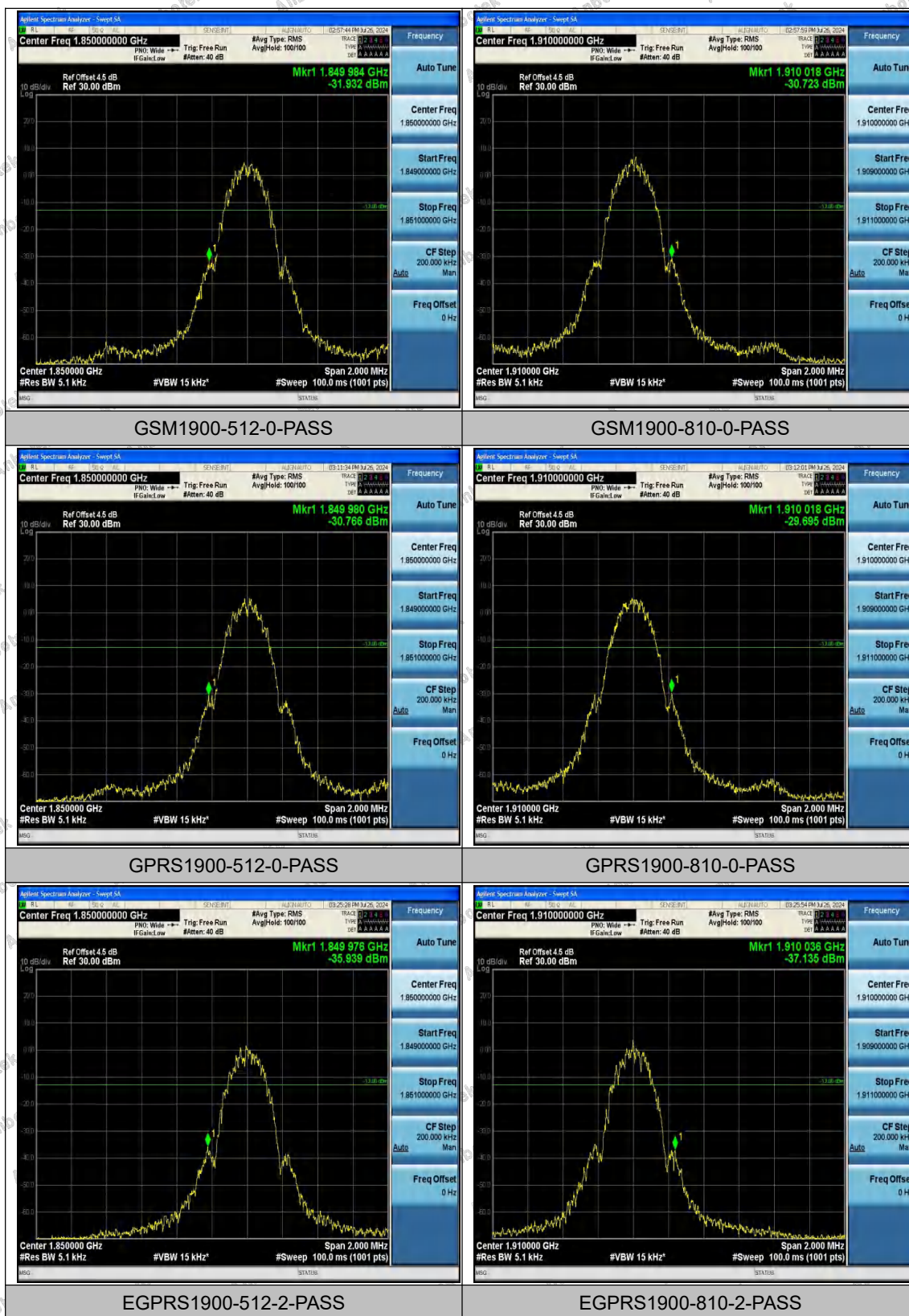
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM1900	512	1849.98	-31.93	-13	PASS
GSM1900	810	1910.02	-30.72	-13	PASS
GPRS1900	512	1849.98	-30.77	-13	PASS
GPRS1900	810	1910.02	-29.69	-13	PASS
EGPRS1900	512	1849.98	-35.94	-13	PASS
EGPRS1900	810	1910.04	-37.14	-13	PASS



Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 0755-26066440 Email: service@anbotek.com



Hotline

400-003-0500

www.anbotek.com



Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM1900	512	0.009~0.15MHz	0.01	-51.58	-43	PASS
GSM1900	512	0.15~30MHz	0.15	-47.41	-33	PASS
GSM1900	512	30~1000MHz	935.88	-46.74	-13	PASS
GSM1900	512	1000~3000MHz	2648.87	-37.6	-13	PASS
GSM1900	512	3000~18000MHz	16268	-49.03	-13	PASS
GSM1900	661	0.009~0.15MHz	0.01	-52.15	-43	PASS
GSM1900	661	0.15~30MHz	0.15	-47.53	-33	PASS
GSM1900	661	30~1000MHz	932.33	-46.77	-13	PASS
GSM1900	661	1000~3000MHz	2641.6	-37.33	-13	PASS
GSM1900	661	3000~18000MHz	16253	-49.16	-13	PASS
GSM1900	810	0.009~0.15MHz	0.01	-52.07	-43	PASS
GSM1900	810	0.15~30MHz	0.16	-47.78	-33	PASS
GSM1900	810	30~1000MHz	777.32	-46.76	-13	PASS
GSM1900	810	1000~3000MHz	2662.13	-37.53	-13	PASS
GSM1900	810	3000~18000MHz	16256	-49.18	-13	PASS
GPRS1900	512	0.009~0.15MHz	0.01	-50.63	-43	PASS
GPRS1900	512	0.15~30MHz	0.17	-46.82	-33	PASS
GPRS1900	512	30~1000MHz	911.96	-46.44	-13	PASS
GPRS1900	512	1000~3000MHz	2640.6	-37.6	-13	PASS
GPRS1900	512	3000~18000MHz	16241.5	-49.22	-13	PASS
GPRS1900	661	0.009~0.15MHz	0.01	-50.51	-43	PASS
GPRS1900	661	0.15~30MHz	0.15	-47.78	-33	PASS
GPRS1900	661	30~1000MHz	911.18	-46.56	-13	PASS
GPRS1900	661	1000~3000MHz	2648.13	-37.53	-13	PASS
GPRS1900	661	3000~18000MHz	16262	-49.24	-13	PASS
GPRS1900	810	0.009~0.15MHz	0.01	-52.75	-43	PASS
GPRS1900	810	0.15~30MHz	0.15	-45.26	-33	PASS
GPRS1900	810	30~1000MHz	894.3	-46.76	-13	PASS
GPRS1900	810	1000~3000MHz	2647.4	-37.34	-13	PASS
GPRS1900	810	3000~18000MHz	16264.5	-49.18	-13	PASS
EGPRS1900	512	0.009~0.15MHz	0.01	-50.91	-43	PASS
EGPRS1900	512	0.15~30MHz	0.15	-46.24	-33	PASS
EGPRS1900	512	30~1000MHz	915.09	-46.71	-13	PASS
EGPRS1900	512	1000~3000MHz	2643.6	-37.49	-13	PASS
EGPRS1900	512	3000~18000MHz	16260.5	-49.27	-13	PASS
EGPRS1900	661	0.009~0.15MHz	0.01	-51.91	-43	PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500

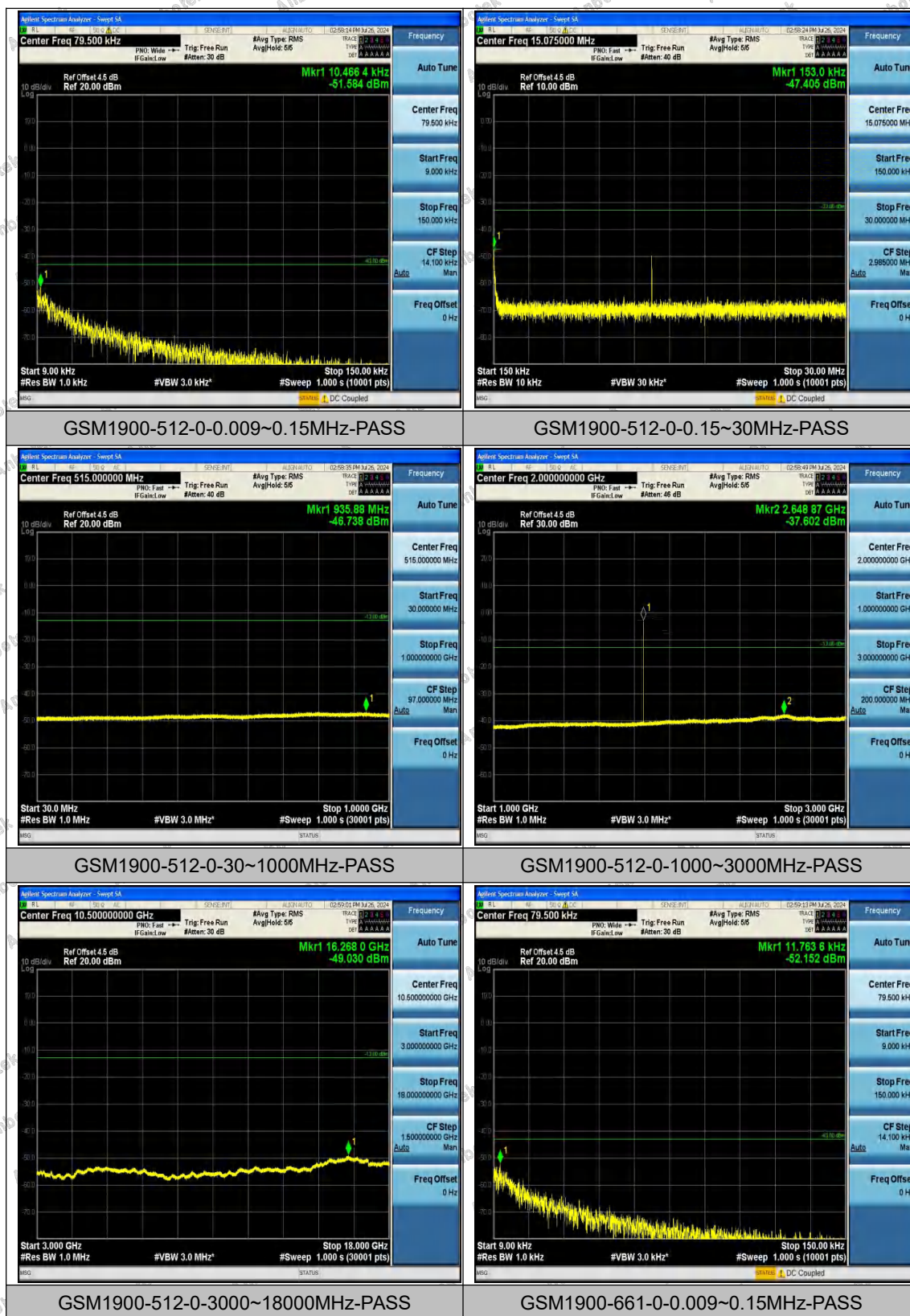
www.anbotek.com



EGPRS1900	661	0.15~30MHz	0.16	-47.99	-33	PASS
EGPRS1900	661	30~1000MHz	920.56	-46.63	-13	PASS
EGPRS1900	661	1000~3000MHz	2669.6	-37.51	-13	PASS
EGPRS1900	661	3000~18000MHz	16245.5	-49.16	-13	PASS
EGPRS1900	810	0.009~0.15MHz	0.01	-51.2	-43	PASS
EGPRS1900	810	0.15~30MHz	0.16	-46.2	-33	PASS
EGPRS1900	810	30~1000MHz	804.51	-46.7	-13	PASS
EGPRS1900	810	1000~3000MHz	2656.6	-37.4	-13	PASS
EGPRS1900	810	3000~18000MHz	16228.5	-49.28	-13	PASS



Test Graphs



Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 0755-26066440 Email: service@anbotek.com

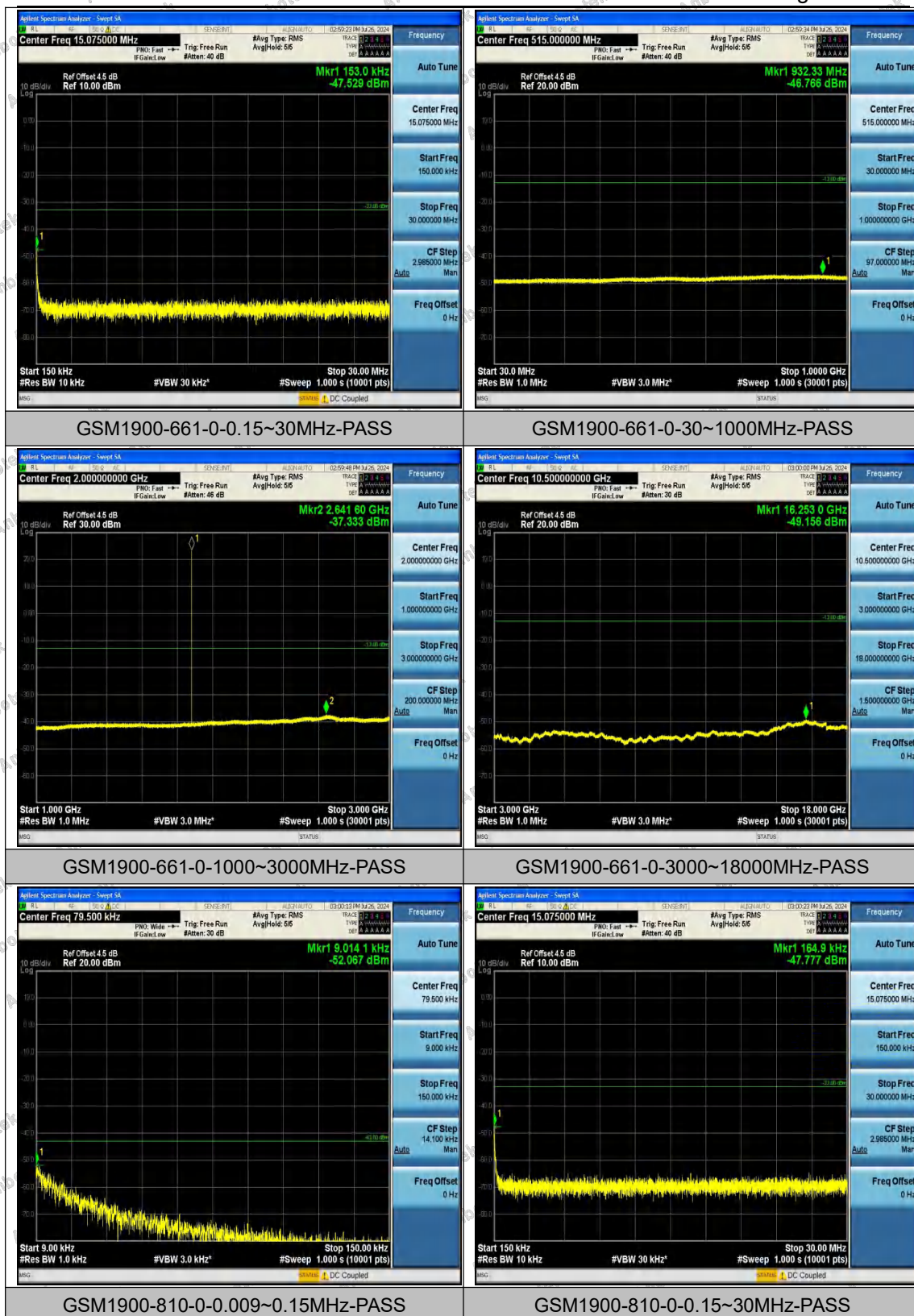


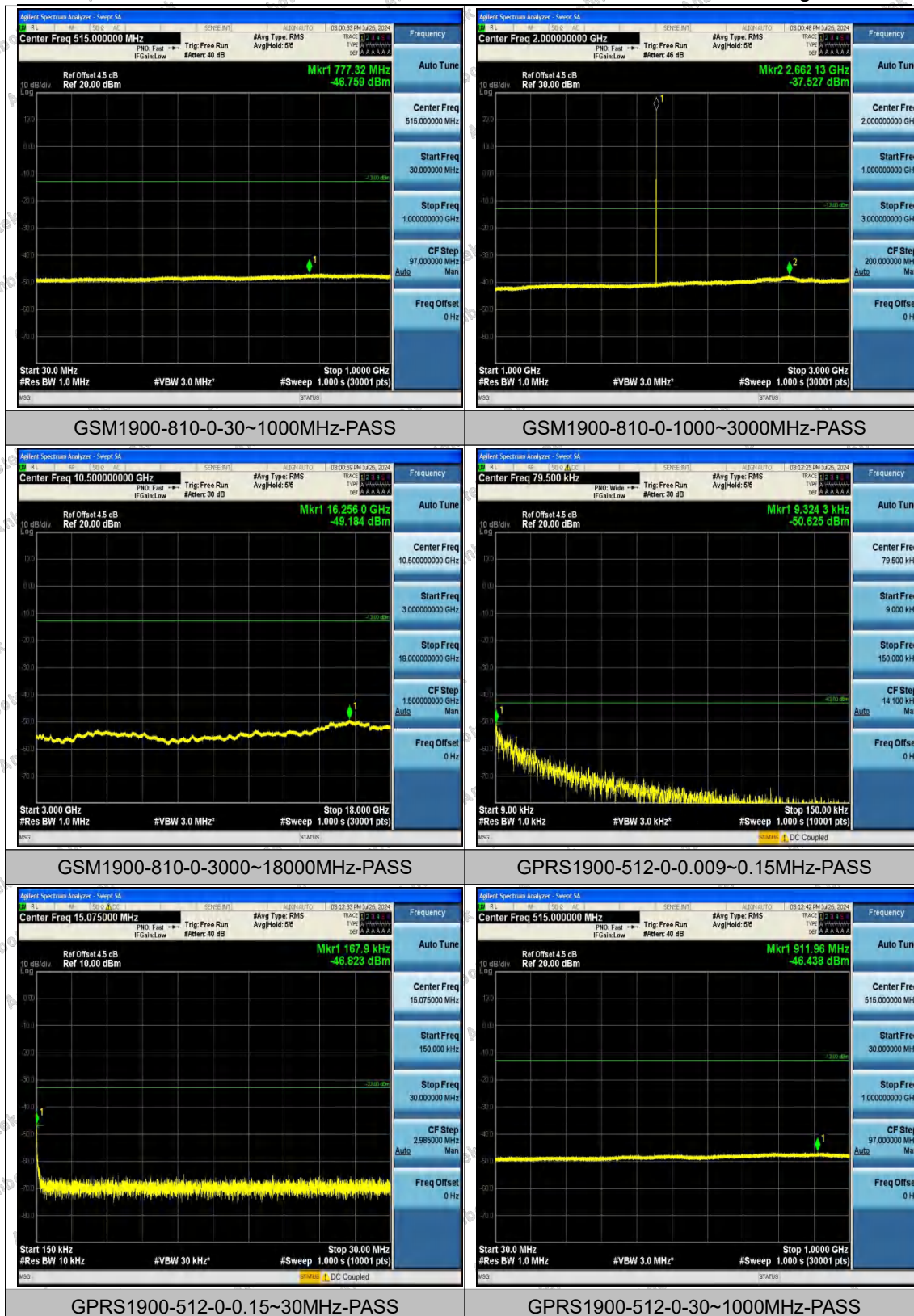
Hotline

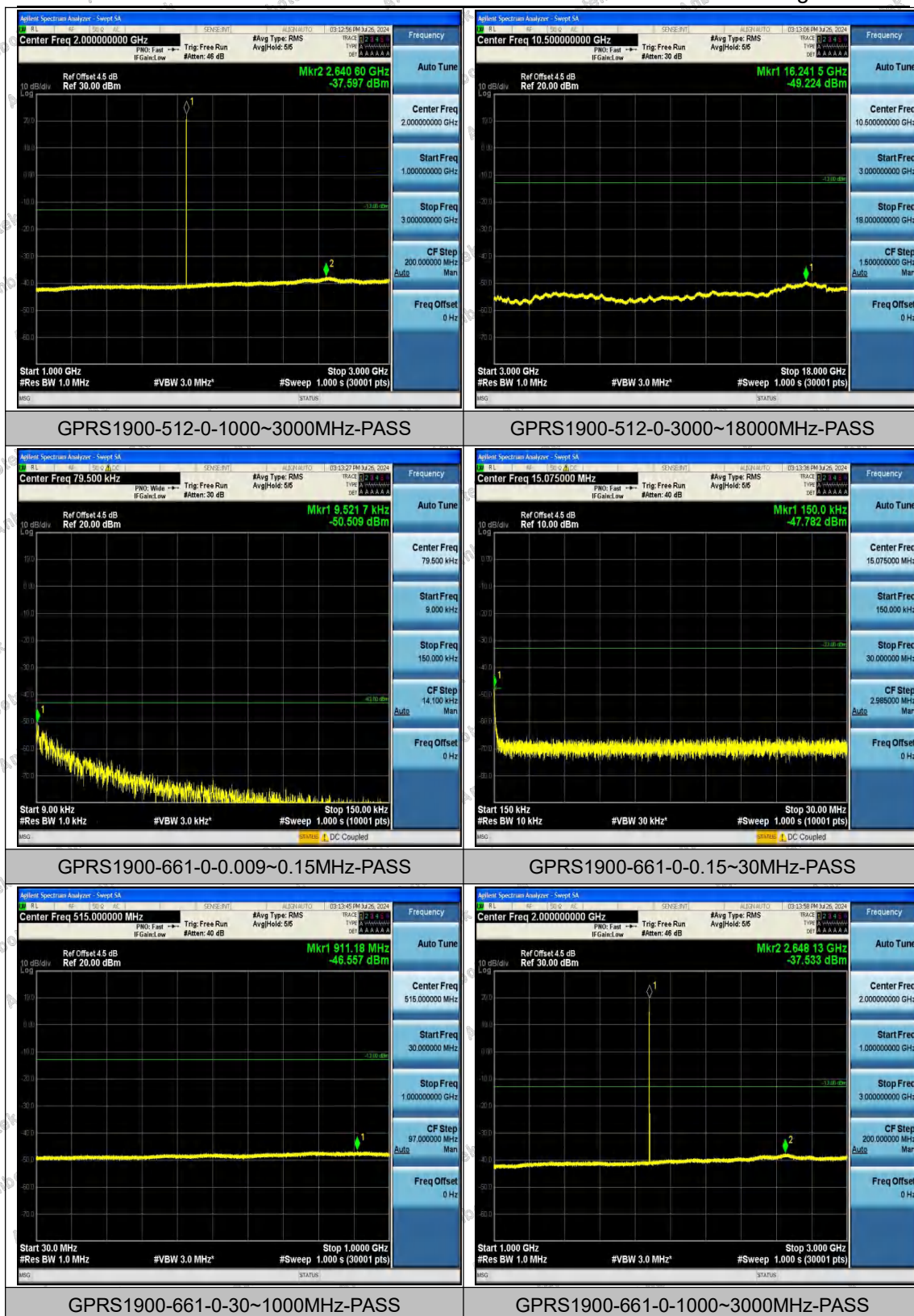
400-003-0500

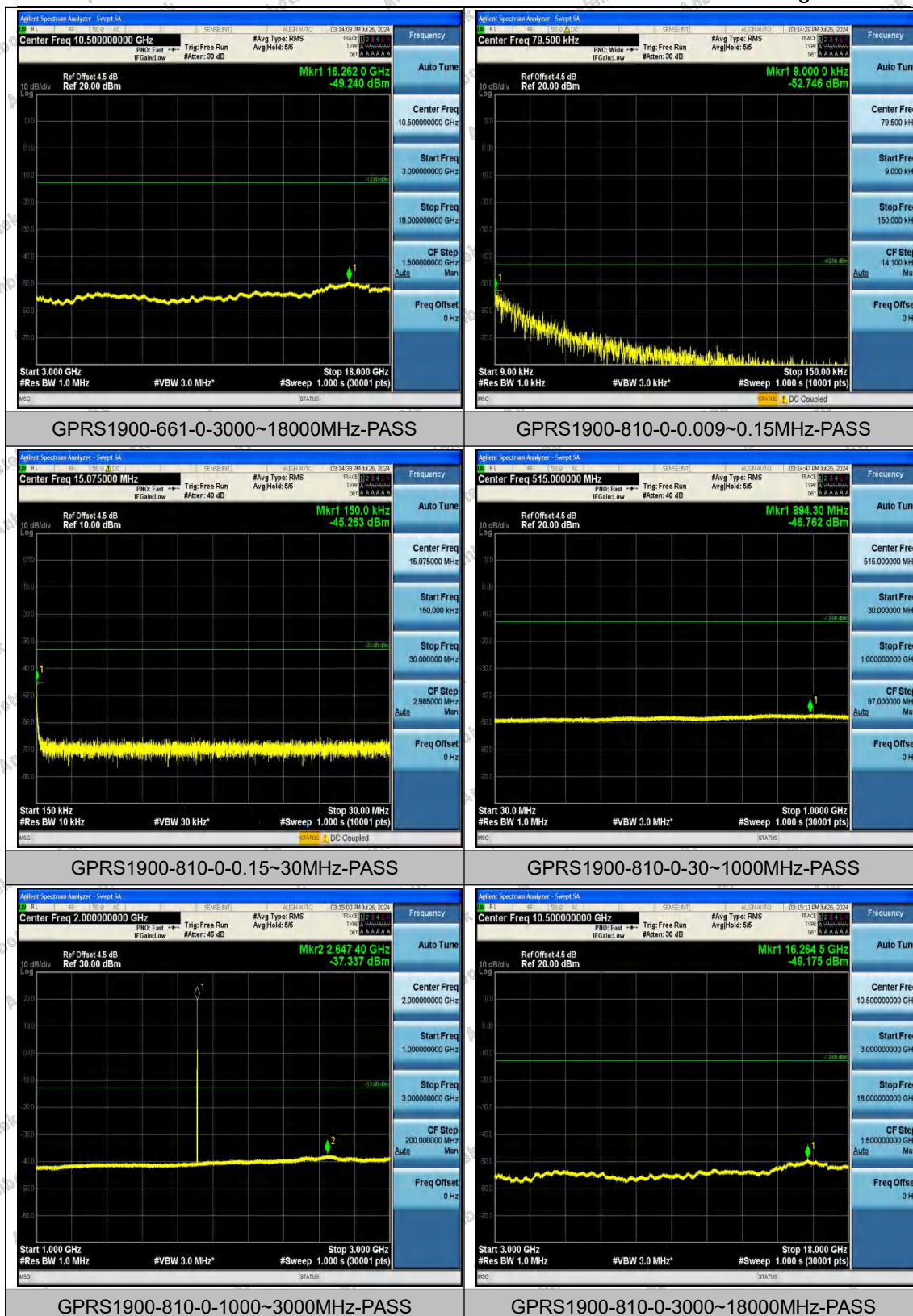
www.anbotek.com

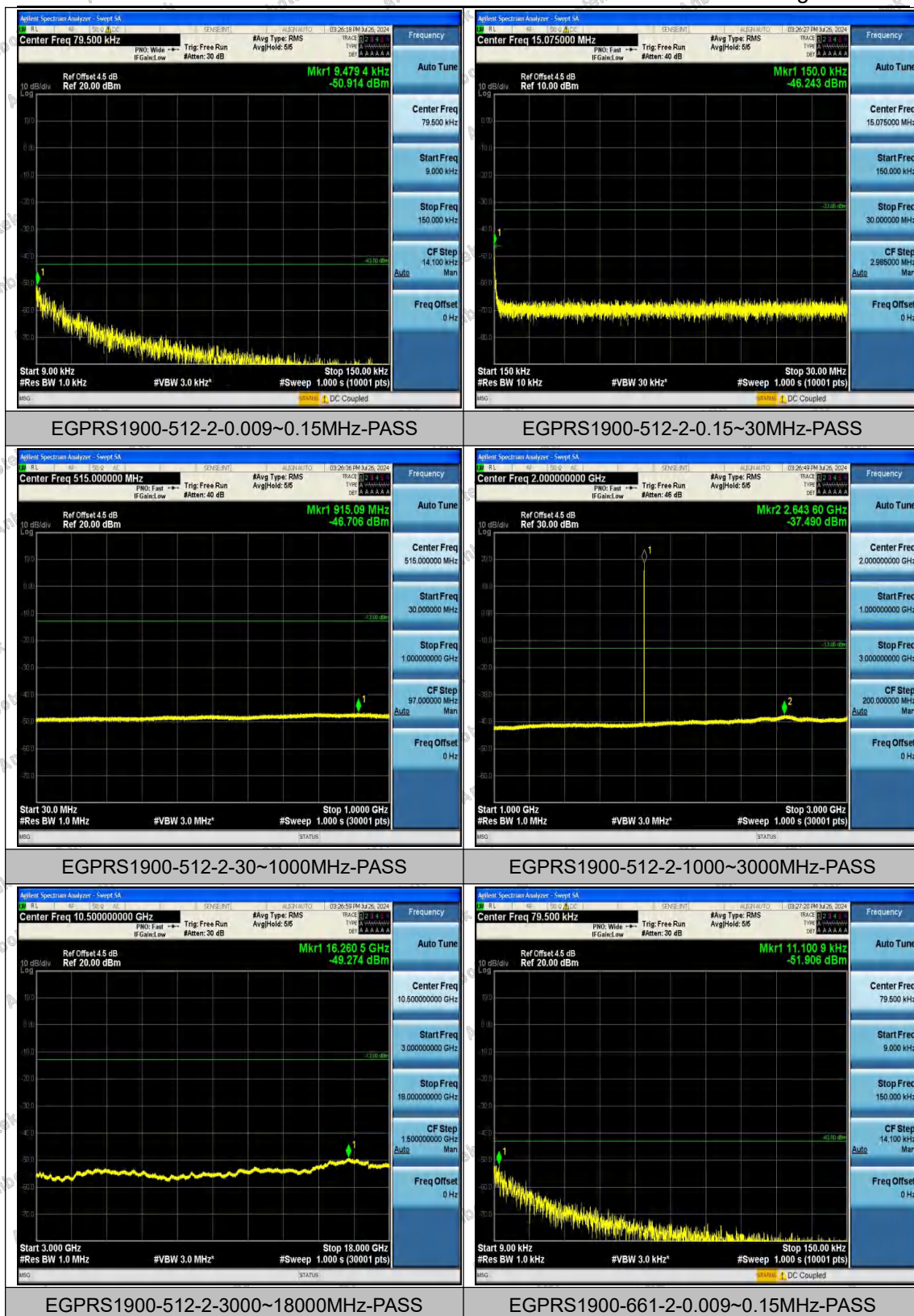


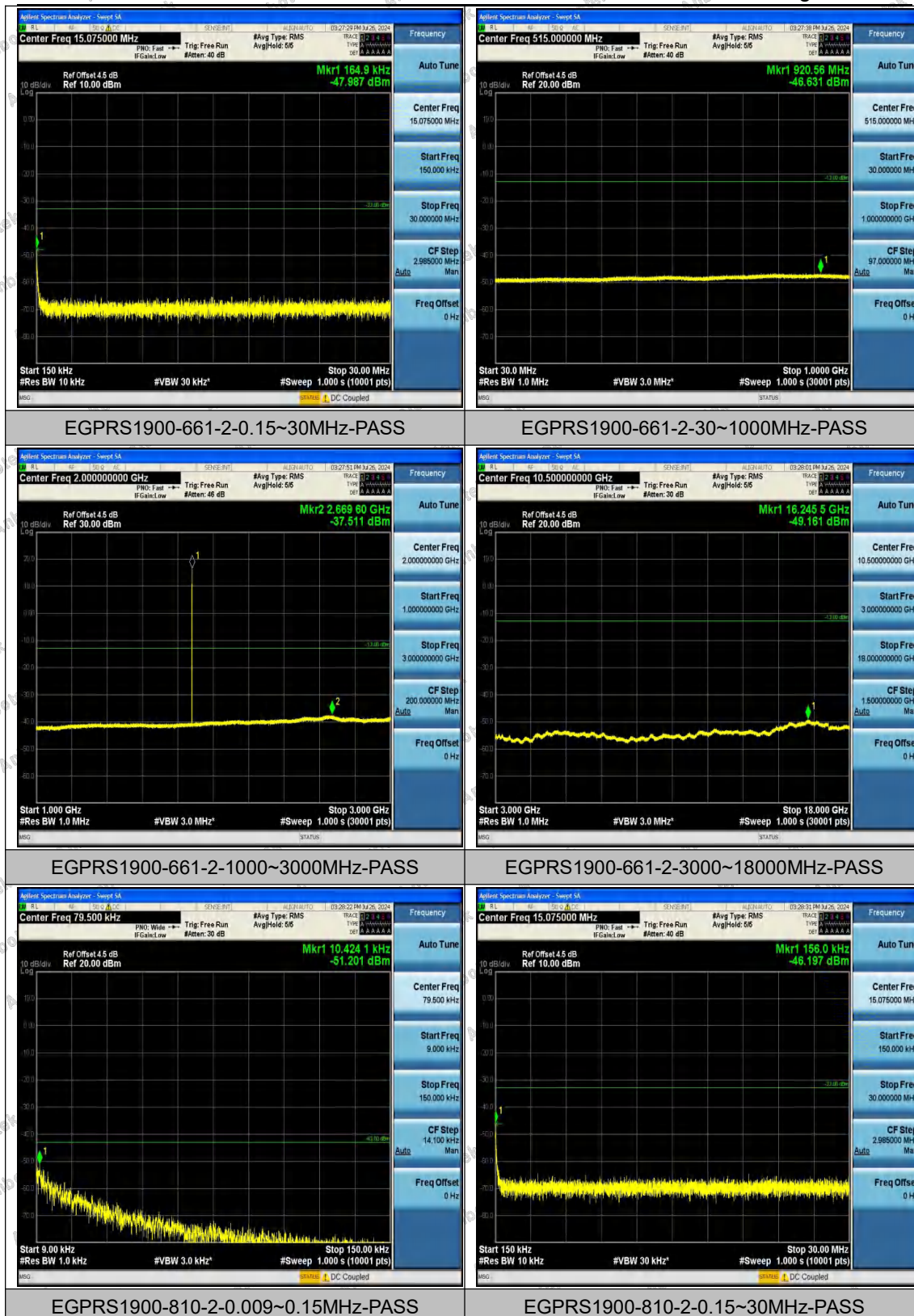


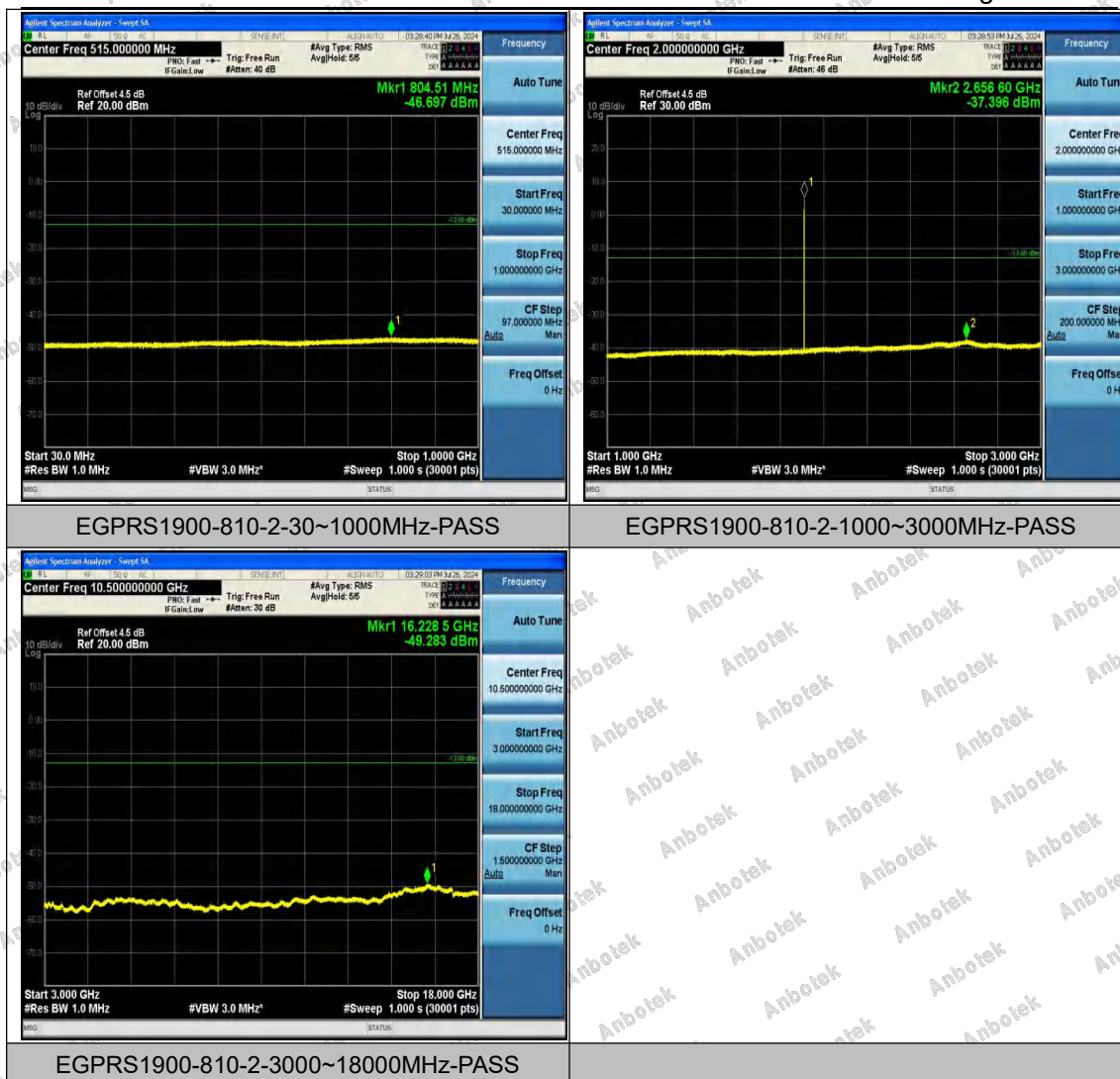












Appendix F: Frequency stability VS Voltage measurement

Test Result

Band	Channel	Voltage					
		Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	VN	NT	34.09	0.018425	±2.5	PASS
GSM1900	512	VL	NT	27.64	0.014939	±2.5	PASS
GSM1900	512	VH	NT	30.45	0.016458	±2.5	PASS
GSM1900	661	VN	NT	28.25	0.015027	±2.5	PASS
GSM1900	661	VL	NT	35.42	0.018840	±2.5	PASS
GSM1900	661	VH	NT	34.68	0.018447	±2.5	PASS
GSM1900	810	VN	NT	25.70	0.013457	±2.5	PASS
GSM1900	810	VL	NT	27.54	0.014420	±2.5	PASS
GSM1900	810	VH	NT	23.67	0.012394	±2.5	PASS
GPRS1900	512	VN	NT	35.64	0.019263	±2.5	PASS
GPRS1900	512	VL	NT	31.83	0.017204	±2.5	PASS
GPRS1900	512	VH	NT	33.00	0.017836	±2.5	PASS
GPRS1900	661	VN	NT	33.42	0.017777	±2.5	PASS
GPRS1900	661	VL	NT	33.42	0.017777	±2.5	PASS
GPRS1900	661	VH	NT	34.77	0.018495	±2.5	PASS
GPRS1900	810	VN	NT	30.35	0.015892	±2.5	PASS
GPRS1900	810	VL	NT	32.90	0.017227	±2.5	PASS
GPRS1900	810	VH	NT	30.83	0.016143	±2.5	PASS
EGPRS1900	512	VN	NT	26.05	0.014080	±2.5	PASS
EGPRS1900	512	VL	NT	26.60	0.014377	±2.5	PASS
EGPRS1900	512	VH	NT	23.83	0.012880	±2.5	PASS
EGPRS1900	661	VN	NT	13.14	0.006989	±2.5	PASS
EGPRS1900	661	VL	NT	14.08	0.007489	±2.5	PASS
EGPRS1900	661	VH	NT	14.72	0.007830	±2.5	PASS
EGPRS1900	810	VN	NT	12.72	0.006660	±2.5	PASS
EGPRS1900	810	VL	NT	12.33	0.006456	±2.5	PASS
EGPRS1900	810	VH	NT	15.05	0.007880	±2.5	PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500

www.anbotek.com



Appendix G: Frequency stability VS Temperature measurement

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM1900	512	NV	-30	29.99	0.016209	±2.5	PASS
GSM1900	512	NV	-20	29.54	0.015966	±2.5	PASS
GSM1900	512	NV	-10	33.87	0.018306	±2.5	PASS
GSM1900	512	NV	0	27.73	0.014988	±2.5	PASS
GSM1900	512	NV	10	25.93	0.014015	±2.5	PASS
GSM1900	512	NV	20	30.96	0.016733	±2.5	PASS
GSM1900	512	NV	30	25.96	0.014031	±2.5	PASS
GSM1900	512	NV	40	28.57	0.015442	±2.5	PASS
GSM1900	512	NV	50	26.64	0.014398	±2.5	PASS
GSM1900	661	NV	-30	28.12	0.014957	±2.5	PASS
GSM1900	661	NV	-20	28.06	0.014926	±2.5	PASS
GSM1900	661	NV	-10	21.86	0.011628	±2.5	PASS
GSM1900	661	NV	0	18.56	0.009872	±2.5	PASS
GSM1900	661	NV	10	24.70	0.013138	±2.5	PASS
GSM1900	661	NV	20	25.76	0.013702	±2.5	PASS
GSM1900	661	NV	30	31.06	0.016521	±2.5	PASS
GSM1900	661	NV	40	26.47	0.014080	±2.5	PASS
GSM1900	661	NV	50	25.67	0.013654	±2.5	PASS
GSM1900	810	NV	-30	24.92	0.013048	±2.5	PASS
GSM1900	810	NV	-20	26.05	0.013640	±2.5	PASS
GSM1900	810	NV	-10	28.99	0.015180	±2.5	PASS
GSM1900	810	NV	0	26.86	0.014064	±2.5	PASS
GSM1900	810	NV	10	25.76	0.013488	±2.5	PASS
GSM1900	810	NV	20	29.67	0.015536	±2.5	PASS
GSM1900	810	NV	30	22.24	0.011645	±2.5	PASS
GSM1900	810	NV	40	23.18	0.012137	±2.5	PASS
GSM1900	810	NV	50	22.21	0.011629	±2.5	PASS
GPRS1900	512	NV	-30	29.70	0.016052	±2.5	PASS
GPRS1900	512	NV	-20	35.06	0.018949	±2.5	PASS
GPRS1900	512	NV	-10	30.38	0.016420	±2.5	PASS
GPRS1900	512	NV	0	35.13	0.018987	±2.5	PASS
GPRS1900	512	NV	10	30.03	0.016231	±2.5	PASS
GPRS1900	512	NV	20	39.61	0.021408	±2.5	PASS
GPRS1900	512	NV	30	41.91	0.022652	±2.5	PASS
GPRS1900	512	NV	40	36.03	0.019474	±2.5	PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500

www.anbotek.com



GPRS1900	512	NV	50	33.16	0.017922	±2.5	PASS
GPRS1900	661	NV	-30	31.51	0.016761	±2.5	PASS
GPRS1900	661	NV	-20	33.03	0.017569	±2.5	PASS
GPRS1900	661	NV	-10	30.57	0.016261	±2.5	PASS
GPRS1900	661	NV	0	29.99	0.015952	±2.5	PASS
GPRS1900	661	NV	10	29.77	0.015835	±2.5	PASS
GPRS1900	661	NV	20	29.93	0.015920	±2.5	PASS
GPRS1900	661	NV	30	34.35	0.018271	±2.5	PASS
GPRS1900	661	NV	40	30.38	0.016160	±2.5	PASS
GPRS1900	661	NV	50	28.02	0.014904	±2.5	PASS
GPRS1900	810	NV	-30	32.35	0.016939	±2.5	PASS
GPRS1900	810	NV	-20	34.13	0.017871	±2.5	PASS
GPRS1900	810	NV	-10	32.00	0.016756	±2.5	PASS
GPRS1900	810	NV	0	32.00	0.016756	±2.5	PASS
GPRS1900	810	NV	10	35.09	0.018374	±2.5	PASS
GPRS1900	810	NV	20	31.28	0.016379	±2.5	PASS
GPRS1900	810	NV	30	34.13	0.017871	±2.5	PASS
GPRS1900	810	NV	40	30.45	0.015944	±2.5	PASS
GPRS1900	810	NV	50	31.83	0.016667	±2.5	PASS
EGPRS1900	512	NV	-30	26.02	0.014063	±2.5	PASS
EGPRS1900	512	NV	-20	21.37	0.011550	±2.5	PASS
EGPRS1900	512	NV	-10	21.02	0.011361	±2.5	PASS
EGPRS1900	512	NV	0	21.47	0.011604	±2.5	PASS
EGPRS1900	512	NV	10	18.95	0.010242	±2.5	PASS
EGPRS1900	512	NV	20	22.37	0.012091	±2.5	PASS
EGPRS1900	512	NV	30	27.22	0.014712	±2.5	PASS
EGPRS1900	512	NV	40	23.41	0.012653	±2.5	PASS
EGPRS1900	512	NV	50	25.15	0.013593	±2.5	PASS
EGPRS1900	661	NV	-30	15.43	0.008207	±2.5	PASS
EGPRS1900	661	NV	-20	16.05	0.008537	±2.5	PASS
EGPRS1900	661	NV	-10	15.66	0.008330	±2.5	PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500

www.anbotek.com



0							
EGPRS190	661	NV	0	14.14	0.007521	±2.5	PASS
0							
EGPRS190	661	NV	10	17.05	0.009069	±2.5	PASS
0							
EGPRS190	661	NV	20	14.82	0.007883	±2.5	PASS
0							
EGPRS190	661	NV	30	13.08	0.006957	±2.5	PASS
0							
EGPRS190	661	NV	40	15.63	0.008314	±2.5	PASS
0							
EGPRS190	661	NV	50	17.14	0.009117	±2.5	PASS
0							
EGPRS190	810	NV	-30	11.49	0.006016	±2.5	PASS
0							
EGPRS190	810	NV	-20	14.72	0.007708	±2.5	PASS
0							
EGPRS190	810	NV	-10	16.50	0.008640	±2.5	PASS
0							
EGPRS190	810	NV	0	17.21	0.009011	±2.5	PASS
0							
EGPRS190	810	NV	10	19.92	0.010430	±2.5	PASS
0							
EGPRS190	810	NV	20	17.92	0.009383	±2.5	PASS
0							
EGPRS190	810	NV	30	19.11	0.010006	±2.5	PASS
0							
EGPRS190	810	NV	40	13.24	0.006933	±2.5	PASS
0							
EGPRS190	810	NV	50	14.53	0.007608	±2.5	PASS
0							

---END---

