

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Result(dBm)	ERP (dBm)	Limit(dBm)	Verdict
GSM850	128	32.40	31.57	38.45	PASS
GSM850	190	32.61	31.78	38.45	PASS
GSM850	251	33.15	32.32	38.45	PASS

Band	Channel	Slot	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	26.46	25.63	38.45	PASS
EGPRS850	128	2	26.23	25.4	38.45	PASS
EGPRS850	128	3	23.00	22.17	38.45	PASS
EGPRS850	128	4	22.85	22.02	38.45	PASS
EGPRS850	190	1	26.31	25.48	38.45	PASS
EGPRS850	190	2	26.14	25.31	38.45	PASS
EGPRS850	190	3	22.89	22.06	38.45	PASS
EGPRS850	190	4	22.72	21.89	38.45	PASS
EGPRS850	251	1	26.90	26.07	38.45	PASS
EGPRS850	251	2	26.73	25.9	38.45	PASS
EGPRS850	251	3	23.47	22.64	38.45	PASS
EGPRS850	251	4	23.35	22.52	38.45	PASS

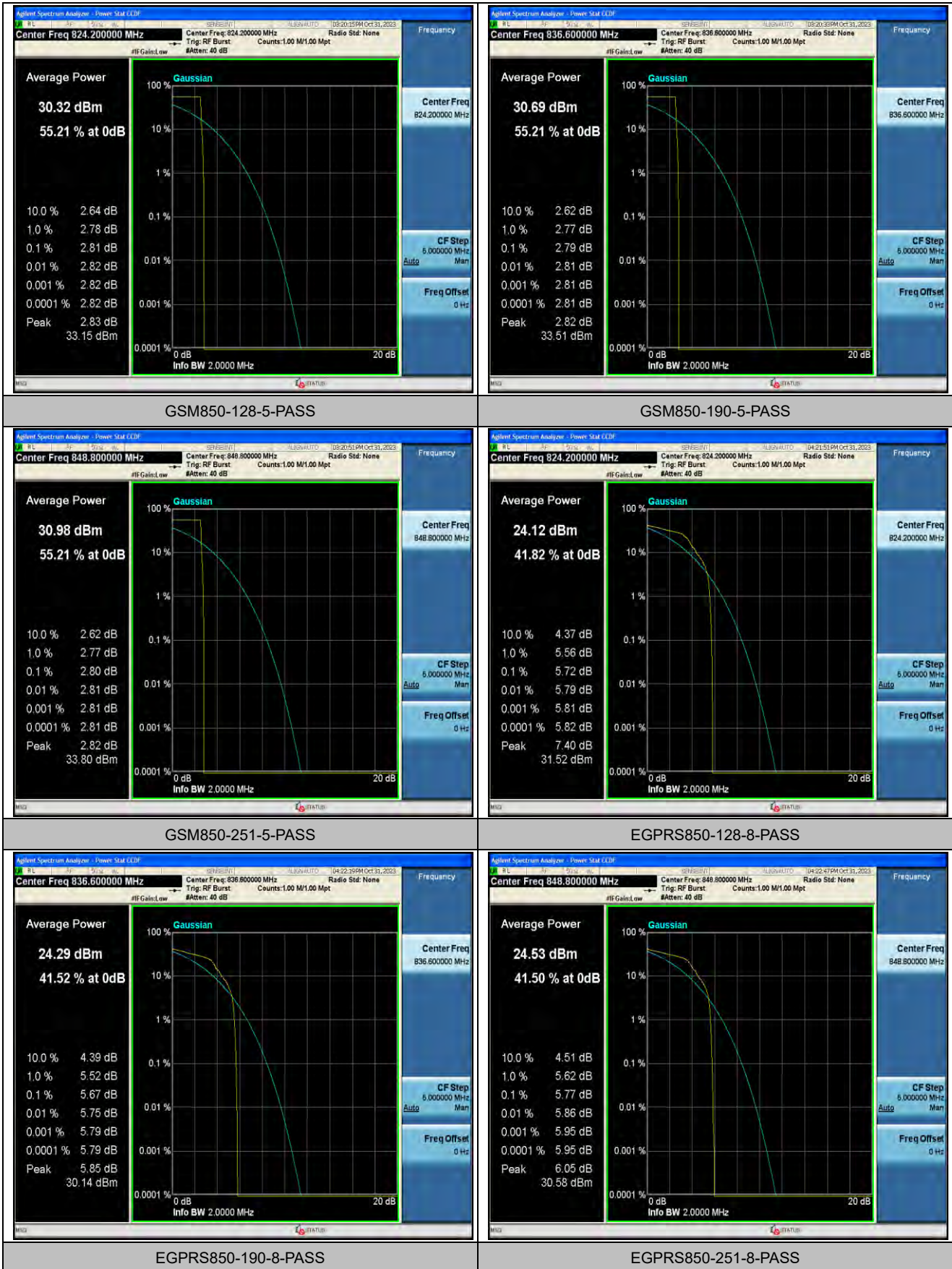
Band	Channel	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
GSM1900	512	30.15	32.08	33.00	PASS
GSM1900	661	30.09	32.02	33.00	PASS
GSM1900	810	30.41	32.34	33.00	PASS

Band	Channel	Slot	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	25.37	27.3	33.00	PASS
EGPRS1900	512	2	25.27	27.2	33.00	PASS
EGPRS1900	512	3	21.24	23.17	33.00	PASS
EGPRS1900	512	4	21.17	23.1	33.00	PASS
EGPRS1900	661	1	25.49	27.42	33.00	PASS
EGPRS1900	661	2	25.43	27.36	33.00	PASS
EGPRS1900	661	3	21.50	23.43	33.00	PASS
EGPRS1900	661	4	21.46	23.39	33.00	PASS
EGPRS1900	810	1	25.72	27.65	33.00	PASS
EGPRS1900	810	2	25.69	27.62	33.00	PASS
EGPRS1900	810	3	21.77	23.7	33.00	PASS
EGPRS1900	810	4	21.73	23.66	33.00	PASS

Peak-to-Average Ratio(CCDF)**Test Result**

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	2.81	13	PASS
GSM850	190	2.79	13	PASS
GSM850	251	2.8	13	PASS
EGPRS850	128	5.72	13	PASS
EGPRS850	190	5.67	13	PASS
EGPRS850	251	5.77	13	PASS
GSM1900	512	2.8	13	PASS
GSM1900	661	2.81	13	PASS
GSM1900	810	2.78	13	PASS
EGPRS1900	512	5.7	13	PASS
EGPRS1900	661	5.67	13	PASS
EGPRS1900	810	5.71	13	PASS

Test Graphs





GSM1900-512-0-PASS



GSM1900-661-0-PASS



GSM1900-810-0-PASS



EGPRS1900-512-2-PASS



EGPRS1900-661-2-PASS



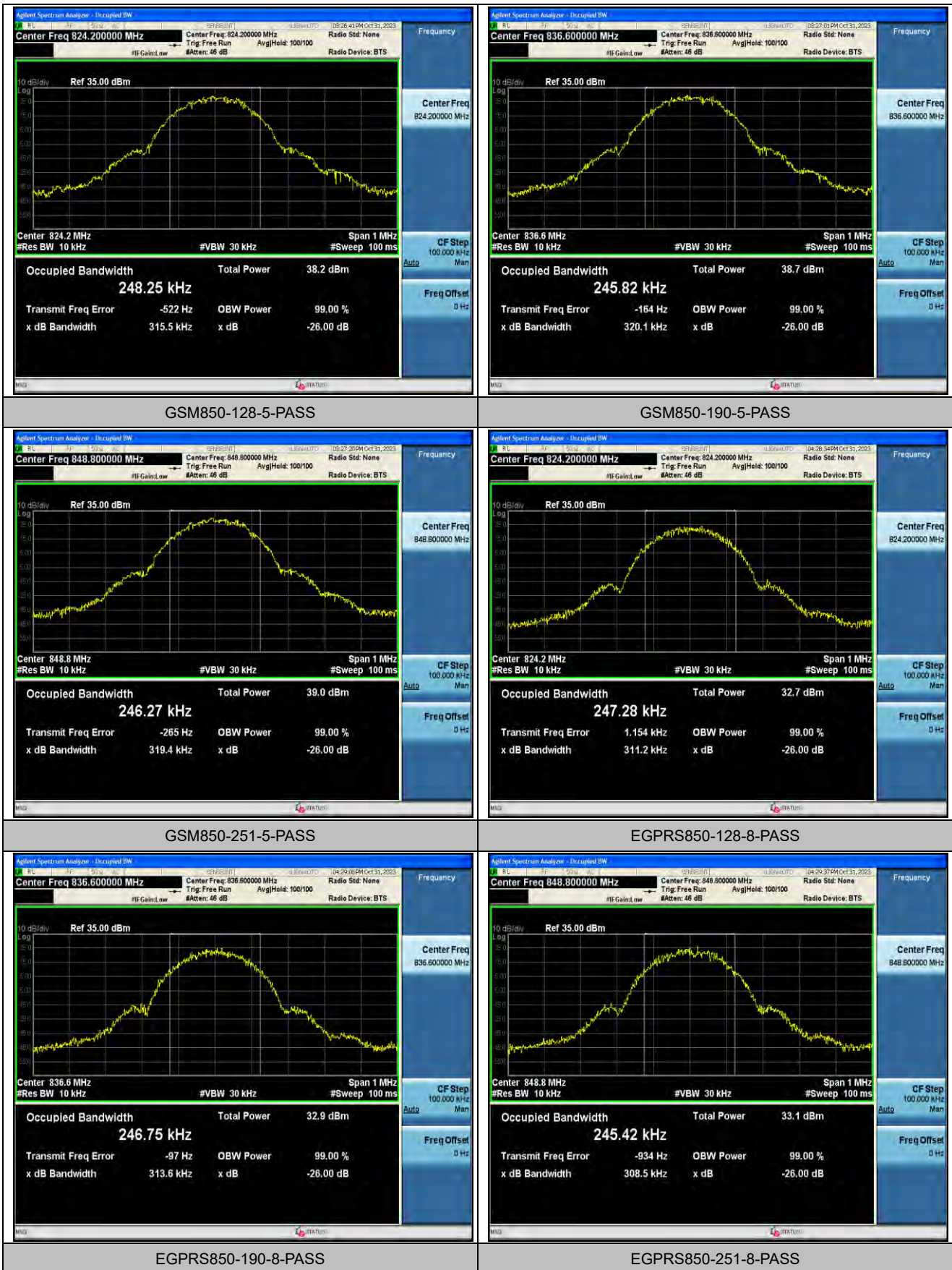
EGPRS1900-810-2-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24825	0.3155	---	PASS
GSM850	190	0.24582	0.3201	---	PASS
GSM850	251	0.24627	0.3194	---	PASS
EGPRS850	128	0.24728	0.3112	---	PASS
EGPRS850	190	0.24675	0.3136	---	PASS
EGPRS850	251	0.24542	0.3085	---	PASS
GSM1900	512	0.24567	0.3102	---	PASS
GSM1900	661	0.24866	0.3204	---	PASS
GSM1900	810	0.24498	0.3180	---	PASS
EGPRS1900	512	0.24377	0.3086	---	PASS
EGPRS1900	661	0.24476	0.3125	---	PASS
EGPRS1900	810	0.24853	0.3124	---	PASS

Test Graphs





GSM1900-512-0-PASS



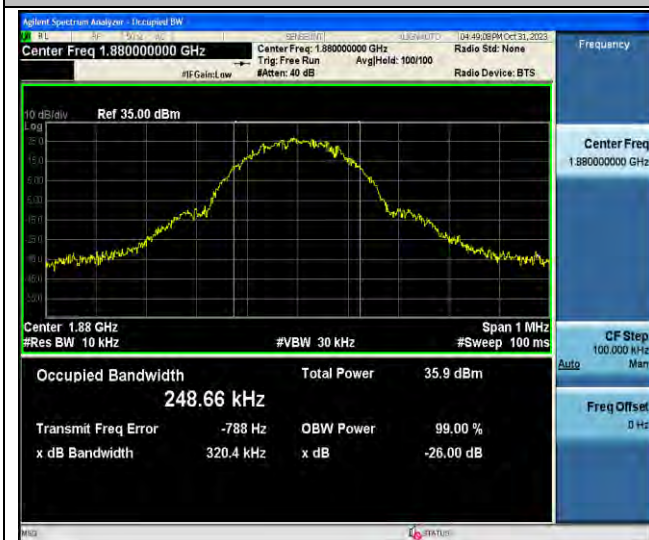
GSM1900-661-0-PASS



GSM1900-810-0-PASS



EGPRS1900-512-2-PASS



GSM1900-661-0-PASS



GSM1900-810-0-PASS



EGPRS1900-661-2-PASS



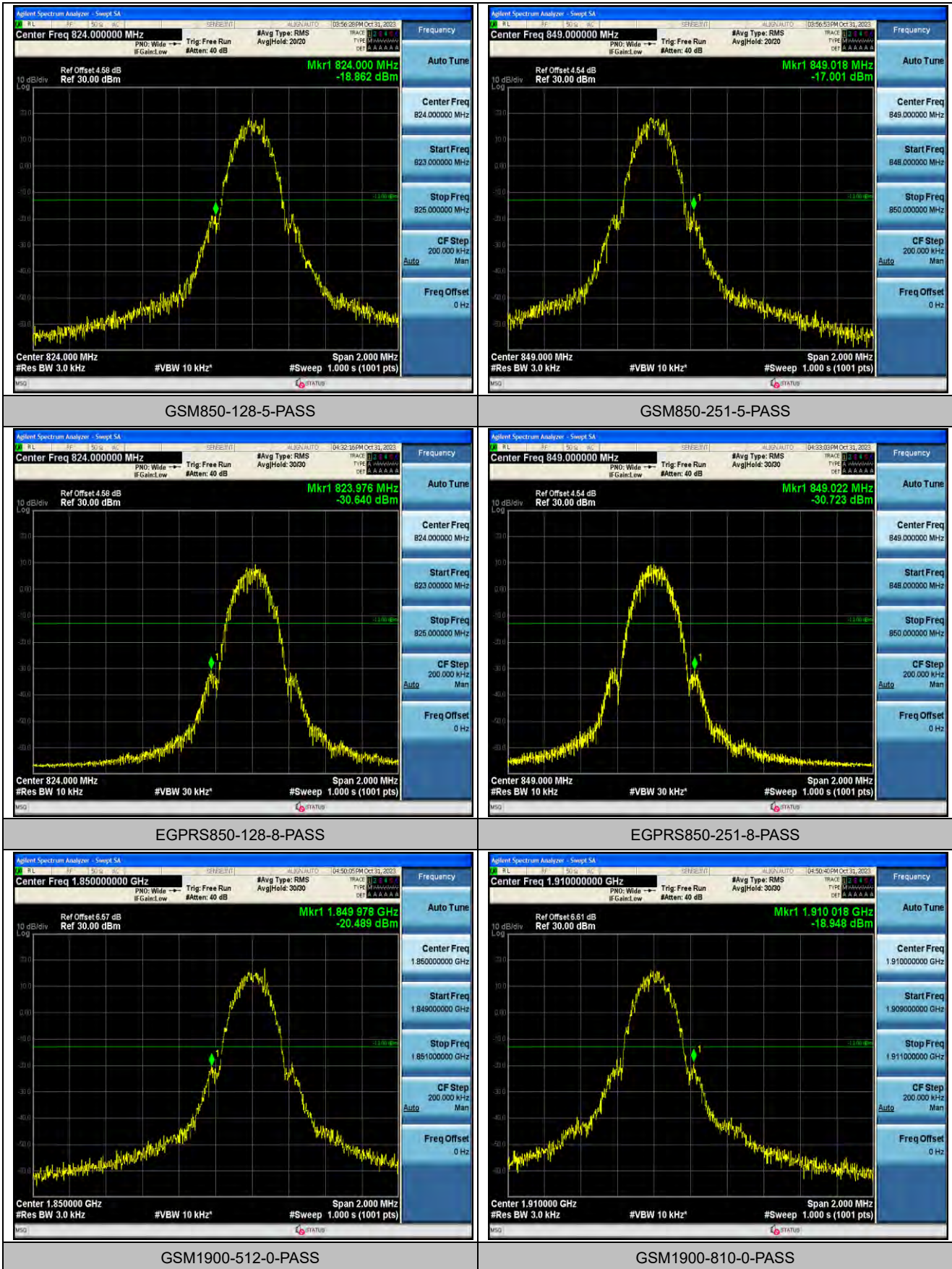
EGPRS1900-810-2-PASS

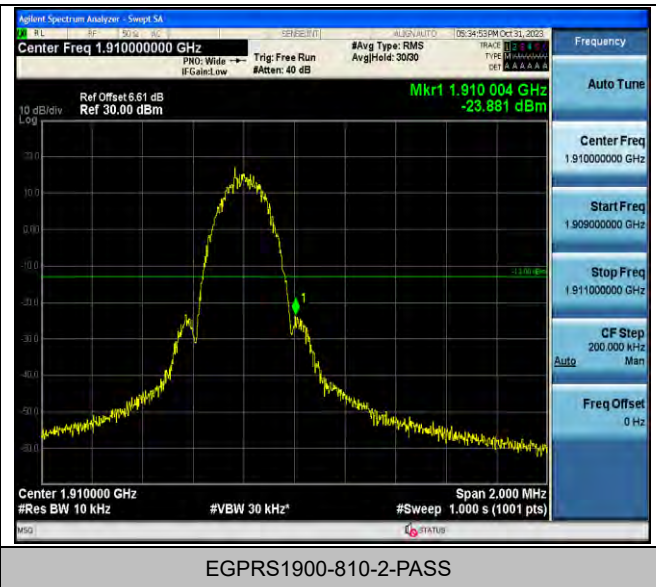
Appendix D: Band Edge

Test Result

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	824.00	-18.86	-13	PASS
GSM850	251	849.02	-17.00	-13	PASS
EGPRS850	128	823.98	-30.64	-13	PASS
EGPRS850	251	849.02	-30.72	-13	PASS
GSM1900	512	1849.98	-20.49	-13	PASS
GSM1900	810	1910.02	-18.95	-13	PASS
EGPRS1900	512	1849.99	-23.53	-13	PASS
EGPRS1900	810	1910.00	-23.88	-13	PASS

Test Graphs

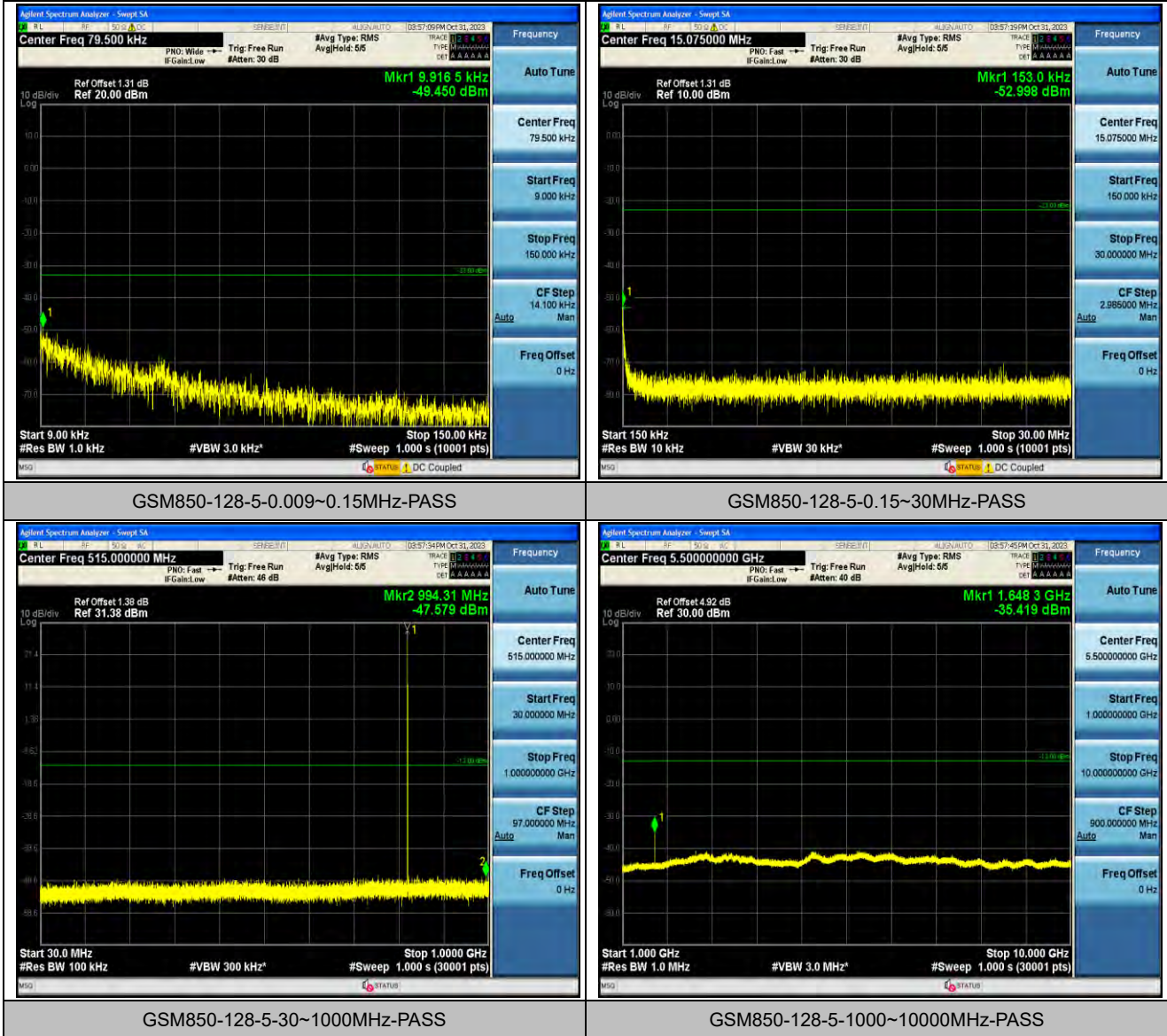


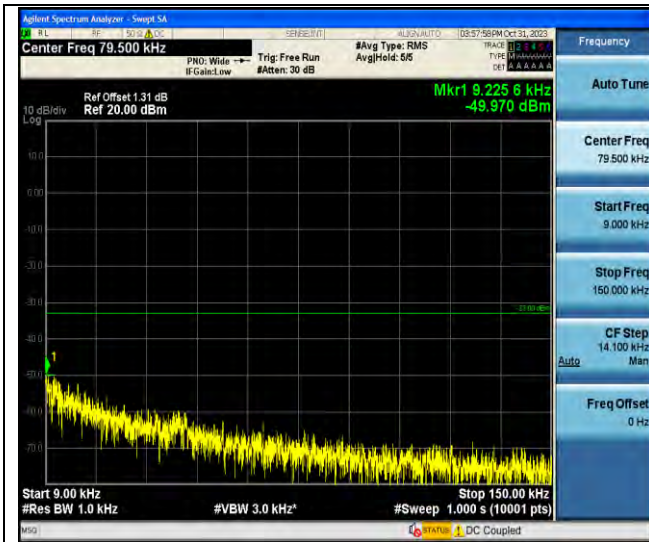


Appendix E: Conducted Spurious Emission

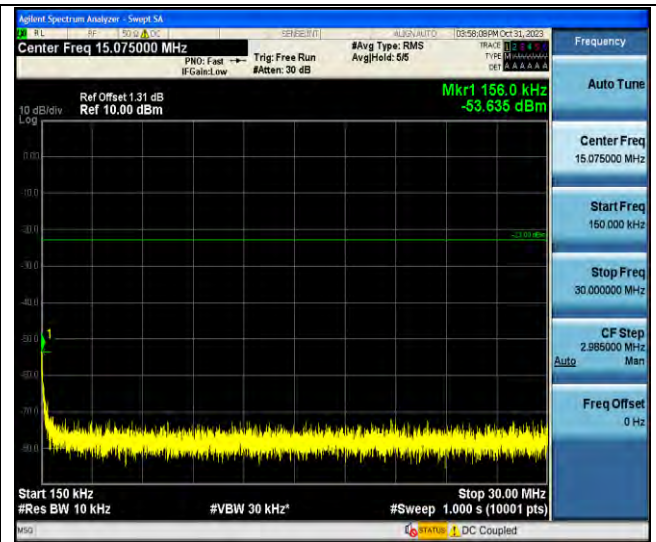
Test Result

Test Graphs

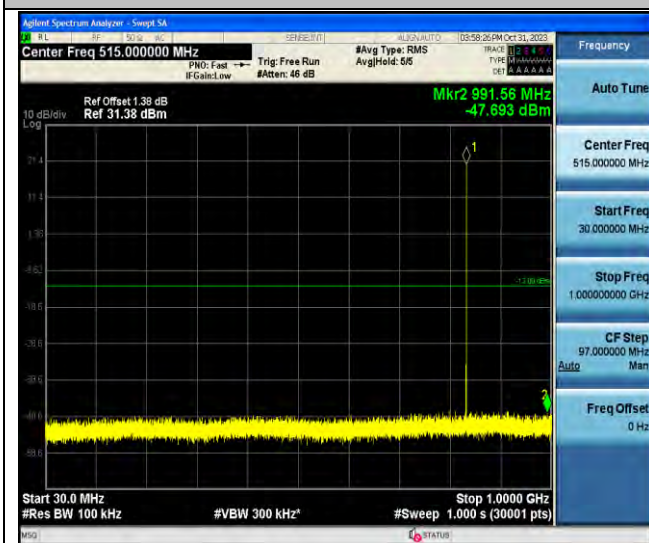




GSM850-190-5-0.009~0.15MHz-PASS



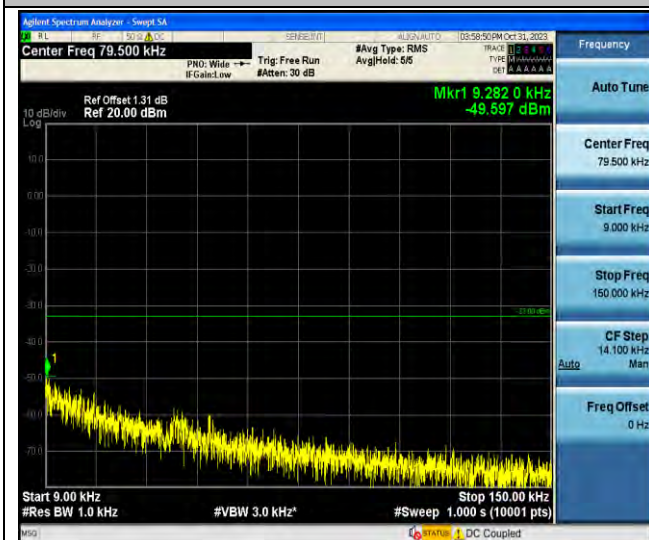
GSM850-190-5-0.15~30MHz-PASS



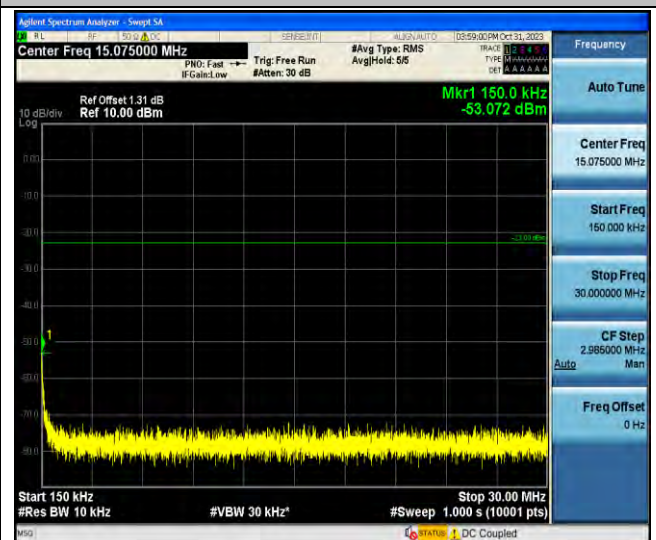
GSM850-190-5-30~1000MHz-PASS



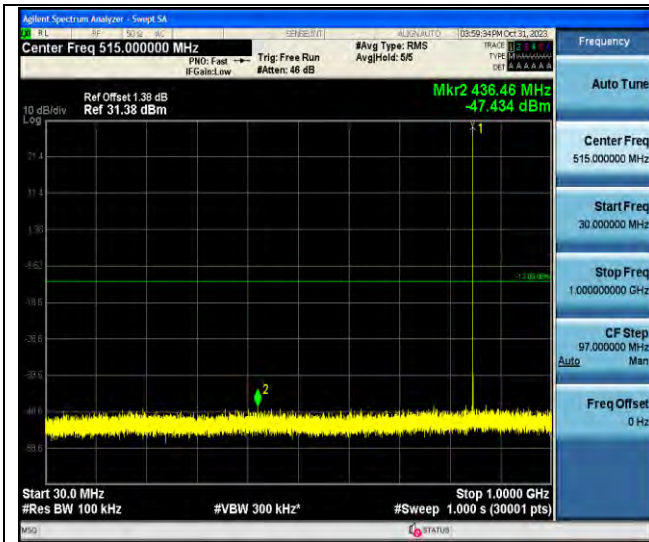
GSM850-190-5-1000~10000MHz-PASS



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



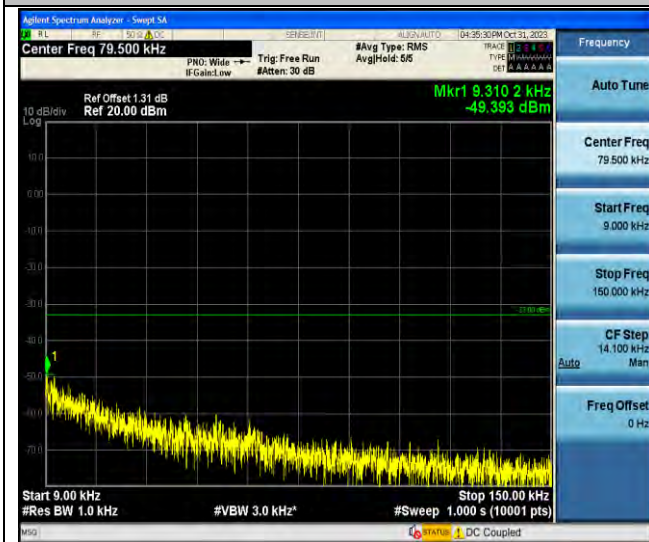
GSM850-251-5-0.15~30MHz-PASS



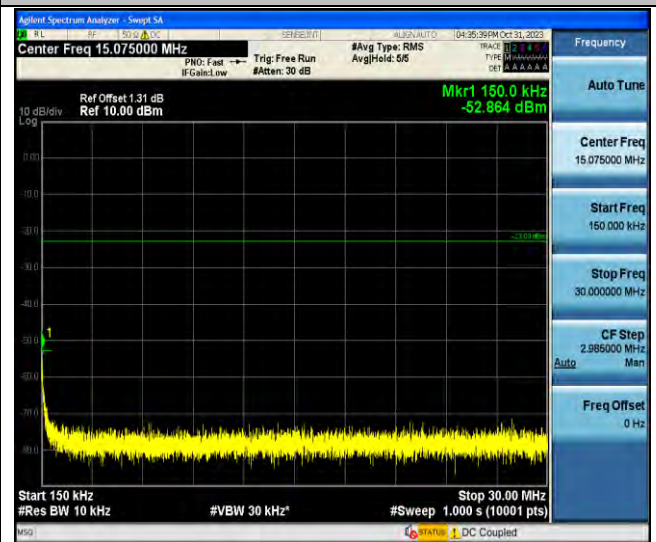
GSM850-251-5-30~1000MHz-PASS



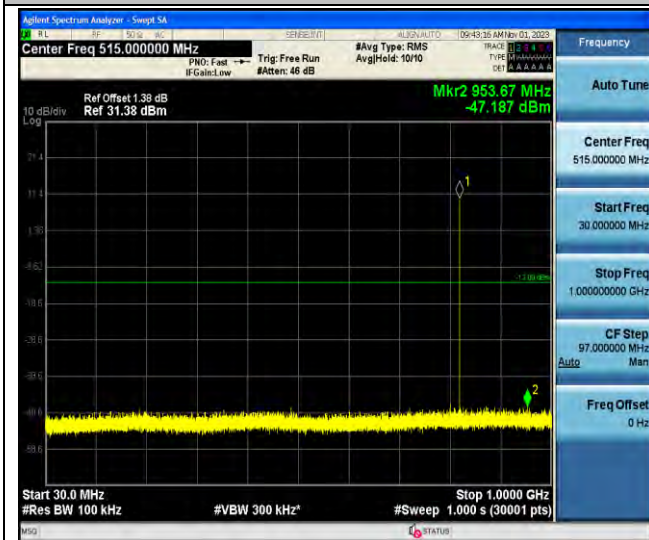
GSM850-251-5-1000~1000MHz-PASS



EGPRS850-128-8-0.009~0.15MHz-PASS



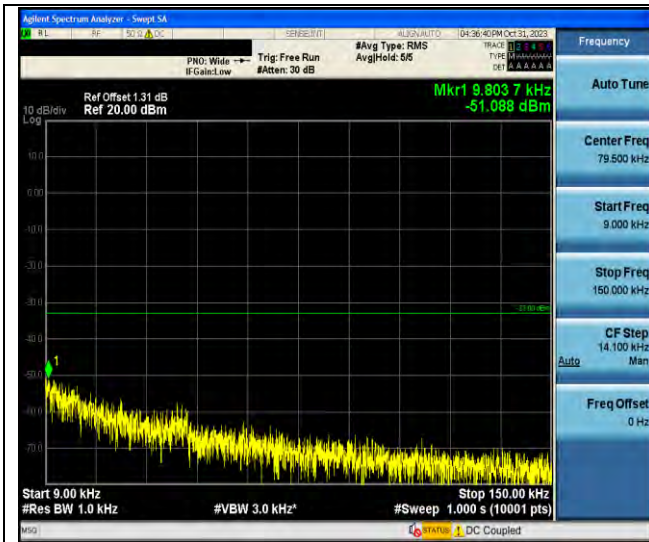
EGPRS850-128-8-0.15~30MHz-PASS



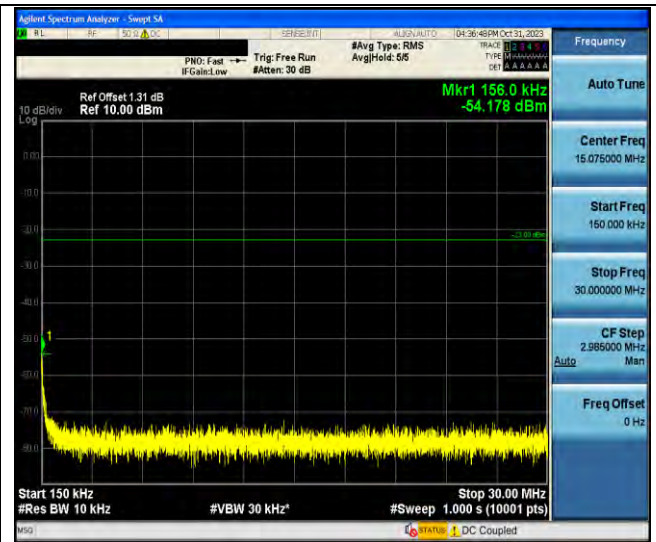
EGPRS850-128-8-30~1000MHz-PASS



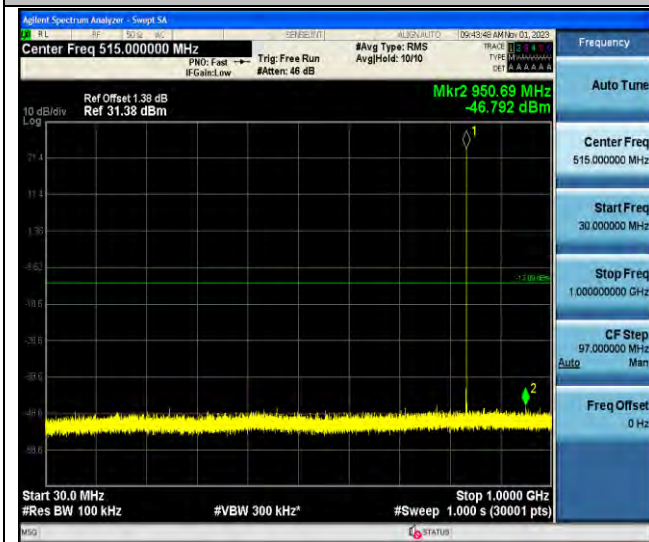
EGPRS850-128-8-1000~1000MHz-PASS



EGPRS850-190-8-0.009~0.15MHz-PASS



EGPRS850-190-8-0.15~30MHz-PASS



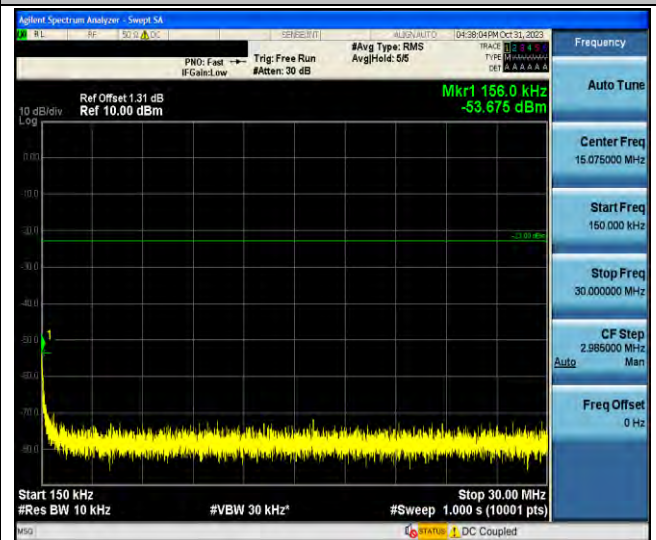
EGPRS850-190-8-30~1000MHz-PASS



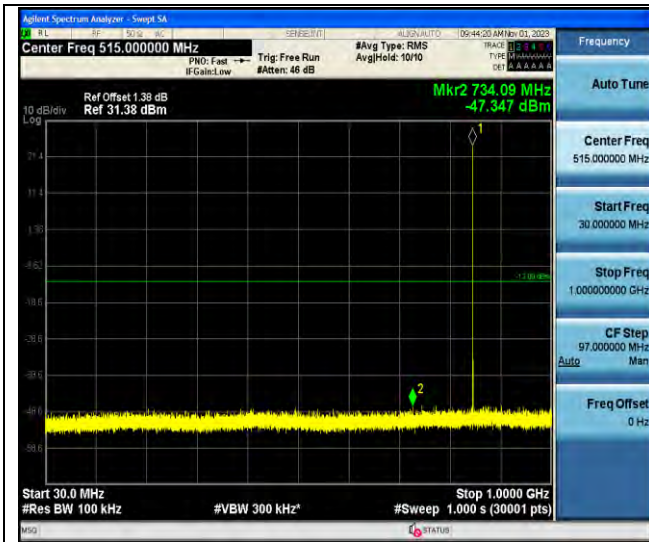
EGPRS850-190-8-1000~10000MHz-PASS



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



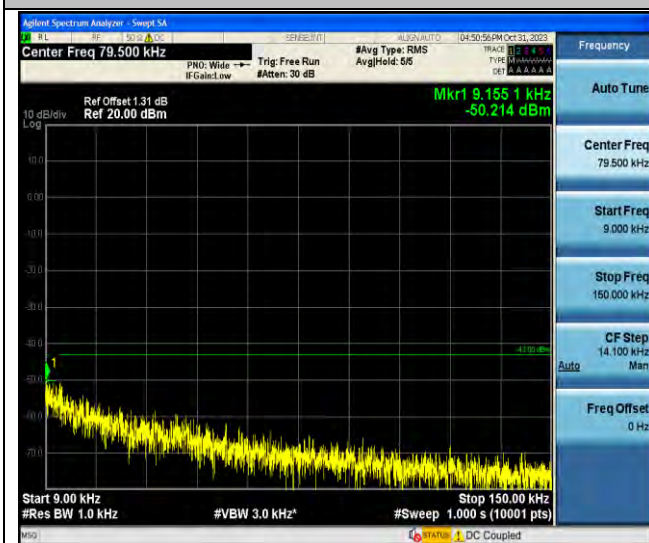
EGPRS850-251-8-0.15~30MHz-PASS



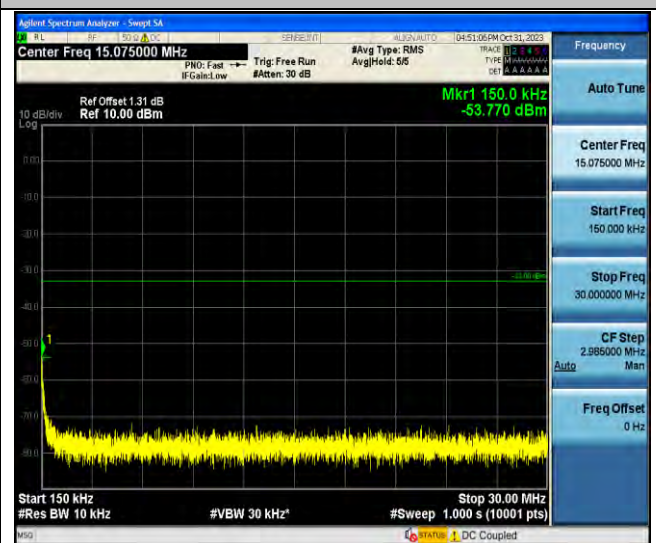
EGPRS850-251-8-30~1000MHz-PASS



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



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



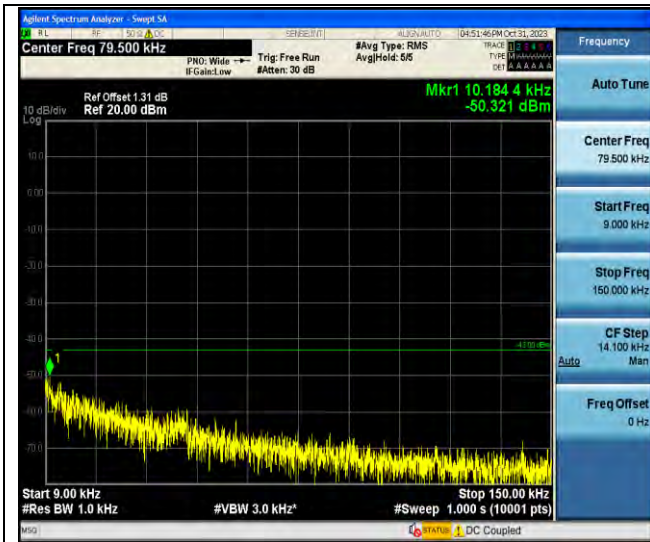
GSM1900-512-0-0.15~30MHz-PASS



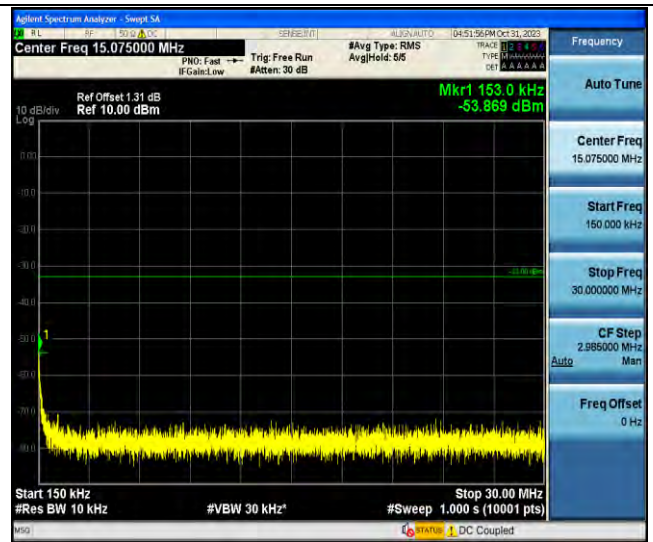
GSM1900-512-0-30~1000MHz-PASS



GSM1900-512-0-1000~18000MHz-PASS



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



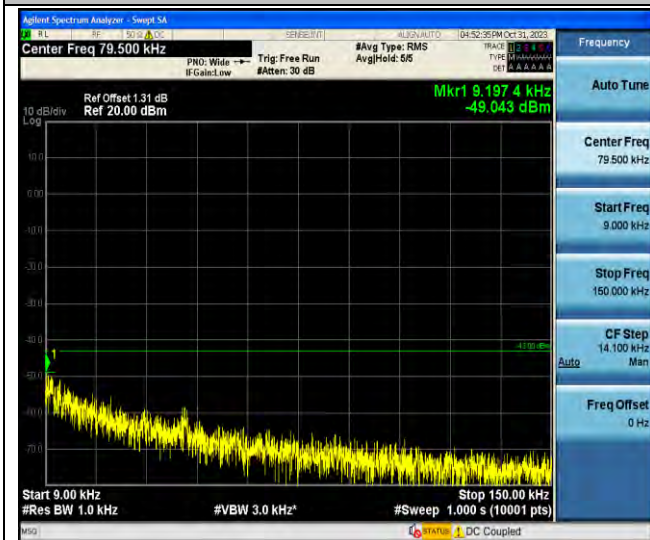
GSM1900-661-0-0.15~30MHz-PASS



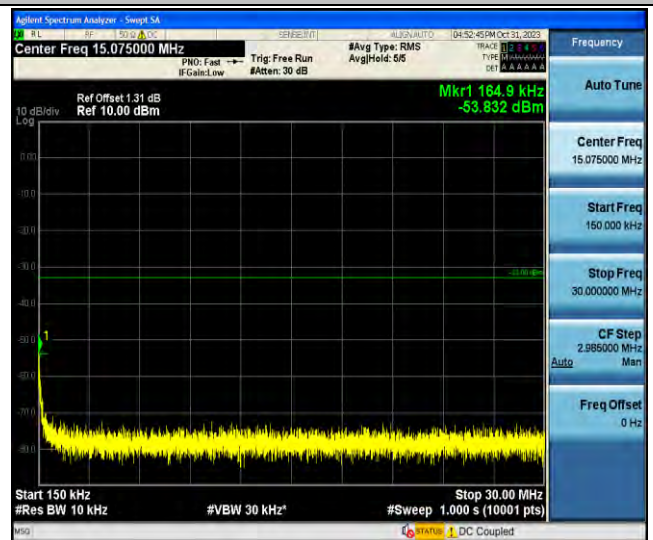
GSM1900-661-0-30~1000MHz-PASS



GSM1900-661-0-1000~1800MHz-PASS



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



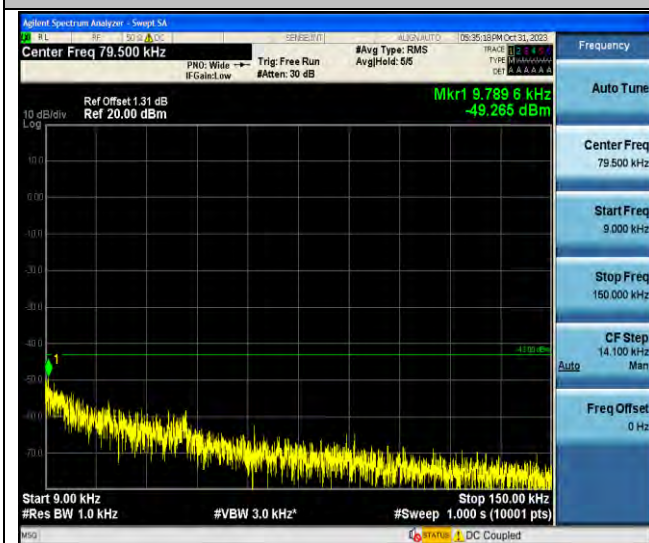
GSM1900-810-0-0.15~30MHz-PASS



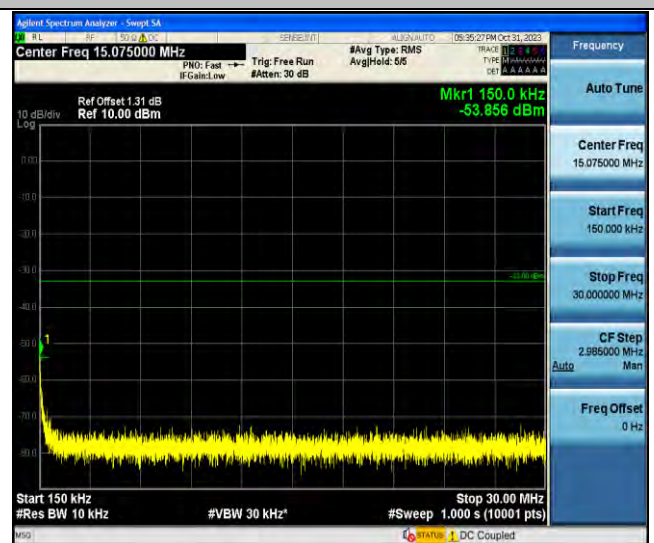
GSM1900-810-0-30~1000MHz-PASS



GSM1900-810-0-1000~1800MHz-PASS



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



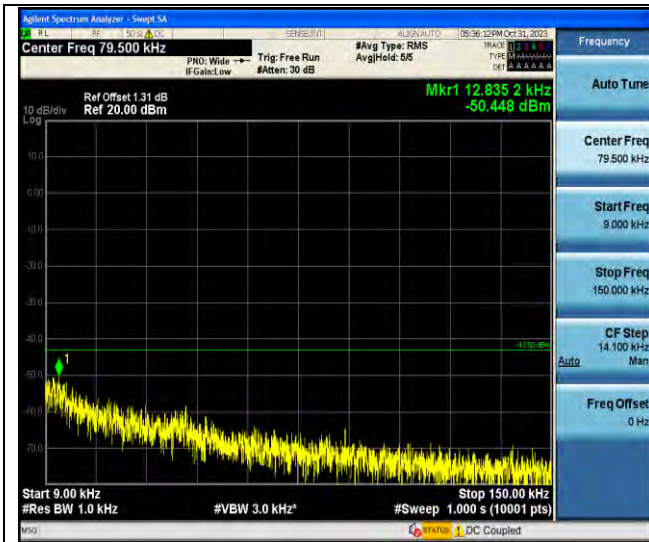
EGPRS1900-512-2-0.15~30MHz-PASS



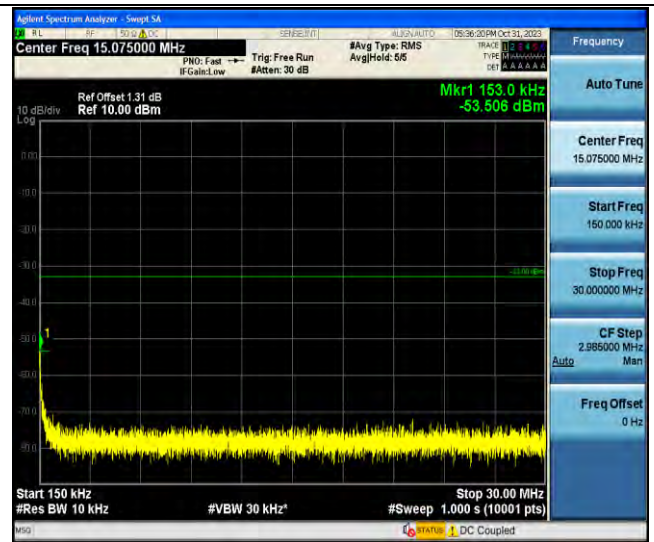
EGPRS1900-512-2-30~1000MHz-PASS



EGPRS1900-512-2-1000~1800MHz-PASS



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



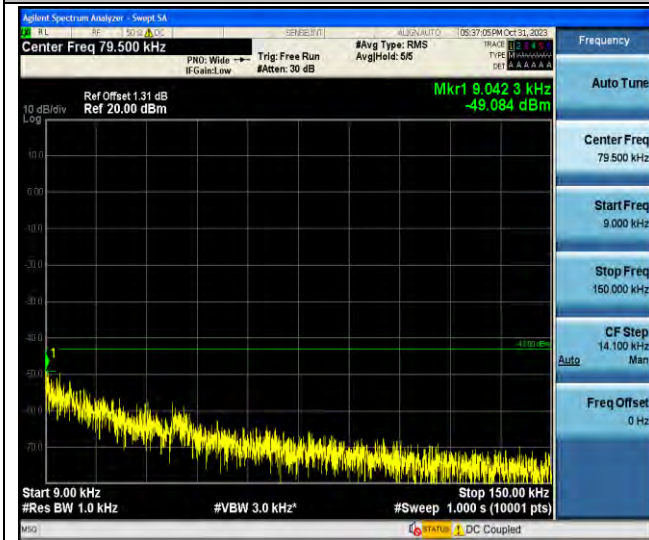
EGPRS1900-661-2-0.15~30MHz-PASS



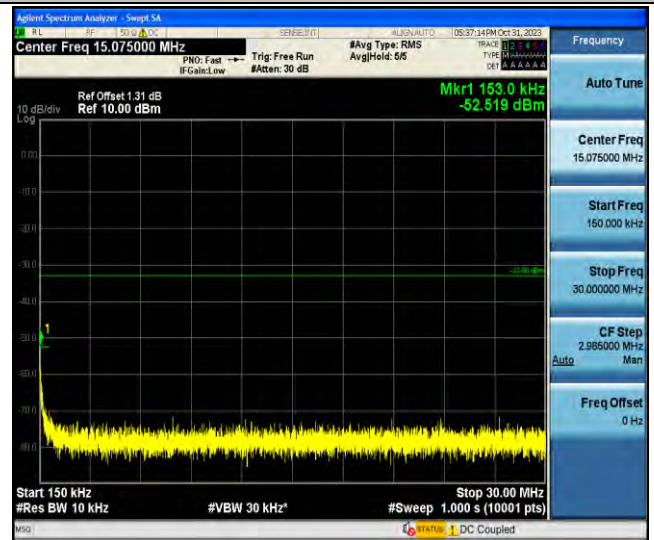
EGPRS1900-661-2-30~1000MHz-PASS



EGPRS1900-661-2-1000~1800MHz-PASS



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



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



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



EGPRS1900-810-2-1000~18000MHz-PASS

Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	190	VN	NT	1.68	0.002008	±2.5	PASS
GSM850	190	VL	NT	1.58	0.001889	±2.5	PASS
GSM850	190	VH	NT	3.39	0.004052	±2.5	PASS
EGPRS850	190	VN	NT	1.19	0.001422	±2.5	PASS
EGPRS850	190	VL	NT	0.94	0.001124	±2.5	PASS
EGPRS850	190	VH	NT	-0.74	-0.000885	±2.5	PASS
GSM1900	661	VN	NT	8.91	0.004739	--	PASS
GSM1900	661	VL	NT	6.59	0.003505	--	PASS
GSM1900	661	VH	NT	6.07	0.003229	--	PASS
EGPRS1900	661	VN	NT	-9.88	-0.005255	--	PASS
EGPRS1900	661	VL	NT	-7.01	-0.003729	--	PASS
EGPRS1900	661	VH	NT	-6.94	-0.003691	--	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	190	NV	-30	3.26	0.003897	±2.5	PASS
GSM850	190	NV	-20	3.97	0.004745	±2.5	PASS
GSM850	190	NV	-10	5.10	0.006096	±2.5	PASS
GSM850	190	NV	0	6.20	0.007411	±2.5	PASS
GSM850	190	NV	10	5.29	0.006323	±2.5	PASS
GSM850	190	NV	20	5.75	0.006873	±2.5	PASS
GSM850	190	NV	30	6.07	0.007256	±2.5	PASS
GSM850	190	NV	40	7.01	0.008379	±2.5	PASS
GSM850	190	NV	50	5.17	0.006180	±2.5	PASS
EGPRS850	190	NV	-30	-0.74	-0.000885	±2.5	PASS
EGPRS850	190	NV	-20	-0.55	-0.000657	±2.5	PASS
EGPRS850	190	NV	-10	-0.68	-0.000813	±2.5	PASS
EGPRS850	190	NV	0	-0.71	-0.000849	±2.5	PASS
EGPRS850	190	NV	10	0.94	0.001124	±2.5	PASS
EGPRS850	190	NV	20	0.94	0.001124	±2.5	PASS
EGPRS850	190	NV	30	0.65	0.000777	±2.5	PASS
EGPRS850	190	NV	40	0.06	0.000072	±2.5	PASS
EGPRS850	190	NV	50	-0.32	-0.000383	±2.5	PASS
GSM1900	661	NV	-30	7.91	0.004207	--	PASS
GSM1900	661	NV	-20	9.30	0.004947	--	PASS
GSM1900	661	NV	-10	8.65	0.004601	--	PASS

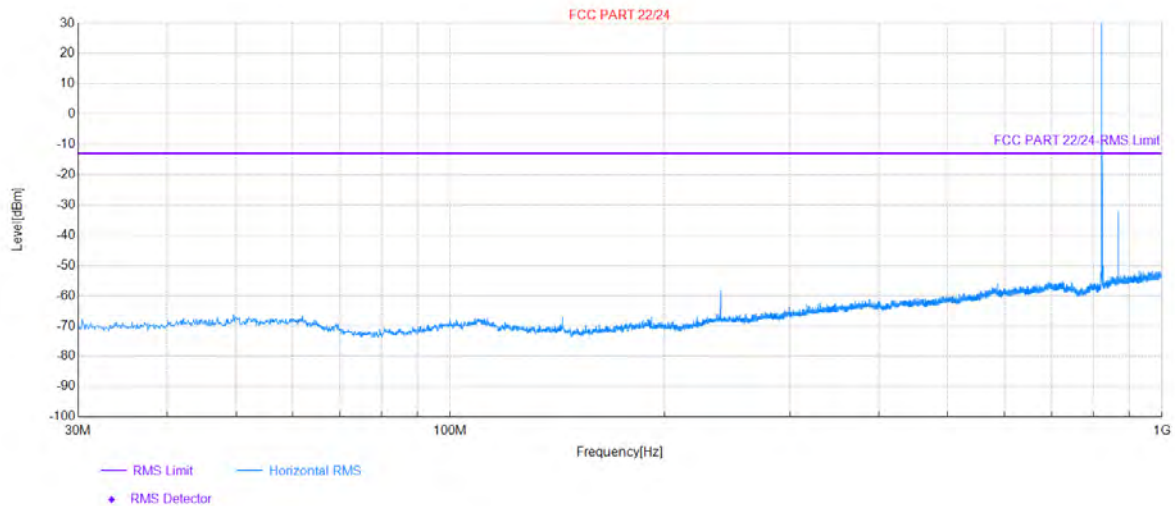
GSM1900	661	NV	0	3.33	0.001771	--	PASS
GSM1900	661	NV	10	-0.97	-0.000516	--	PASS
GSM1900	661	NV	20	-1.87	-0.000995	--	PASS
GSM1900	661	NV	30	-2.74	-0.001457	--	PASS
GSM1900	661	NV	40	0.52	0.000277	--	PASS
GSM1900	661	NV	50	0.87	0.000463	--	PASS
EGPRS1900	661	NV	-30	-4.75	-0.002527	--	PASS
EGPRS1900	661	NV	-20	-6.84	-0.003638	--	PASS
EGPRS1900	661	NV	-10	-6.84	-0.003638	--	PASS
EGPRS1900	661	NV	0	-7.33	-0.003899	--	PASS
EGPRS1900	661	NV	10	-5.52	-0.002936	--	PASS
EGPRS1900	661	NV	20	-2.45	-0.001303	--	PASS
EGPRS1900	661	NV	30	-5.00	-0.002660	--	PASS
EGPRS1900	661	NV	40	-4.36	-0.002319	--	PASS
EGPRS1900	661	NV	50	-2.39	-0.001271	--	PASS

Appendix G: Field Strength of Spurious Radiation

Below 1GHz

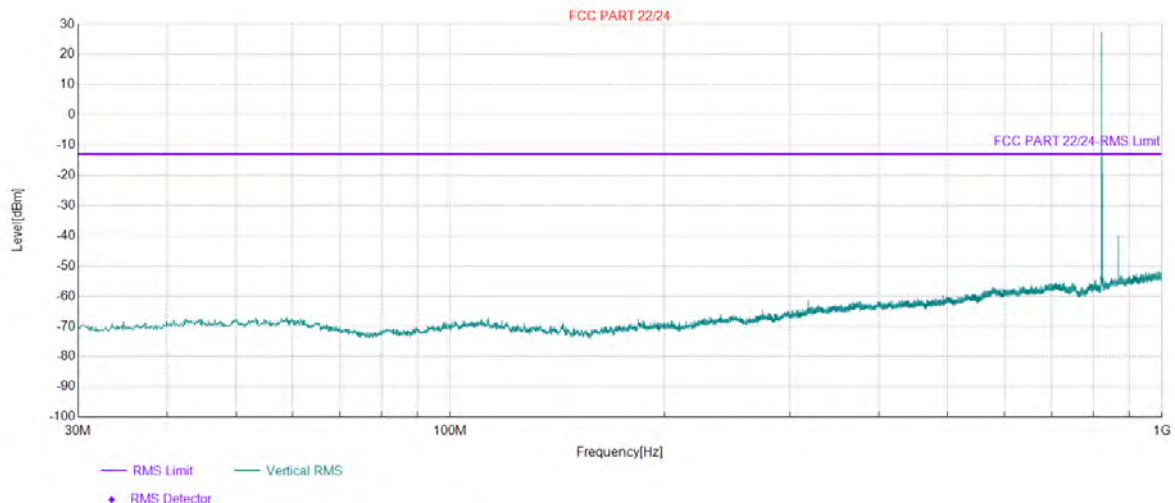
Project Information			
Mode:	GSM	Band:	GSM850
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

Test Graph



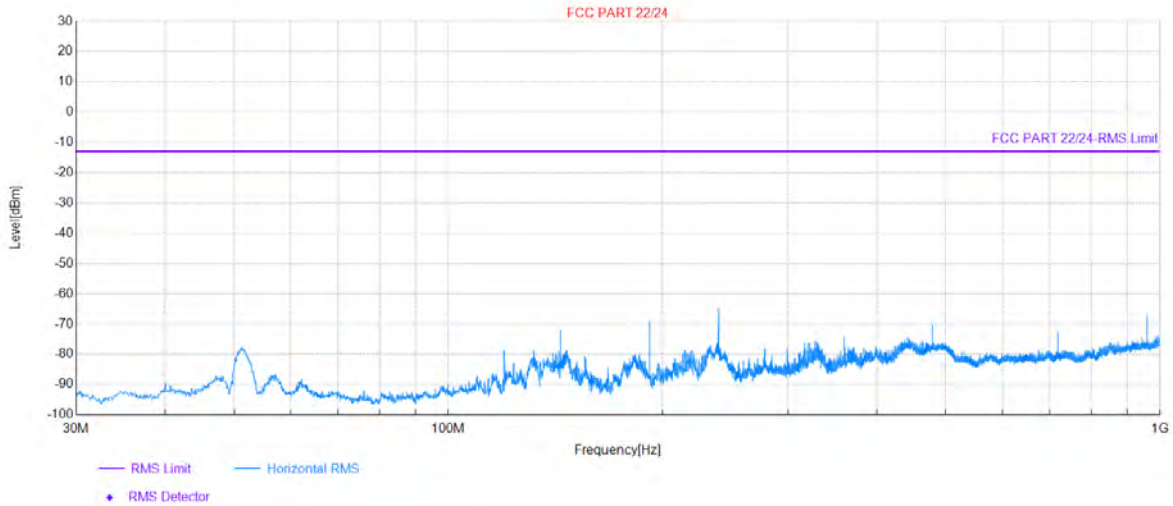
Project Information			
Mode:	GSM	Band:	GSM850
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

Test Graph



Project Information			
Mode:	GSM	Band:	PCS1900
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

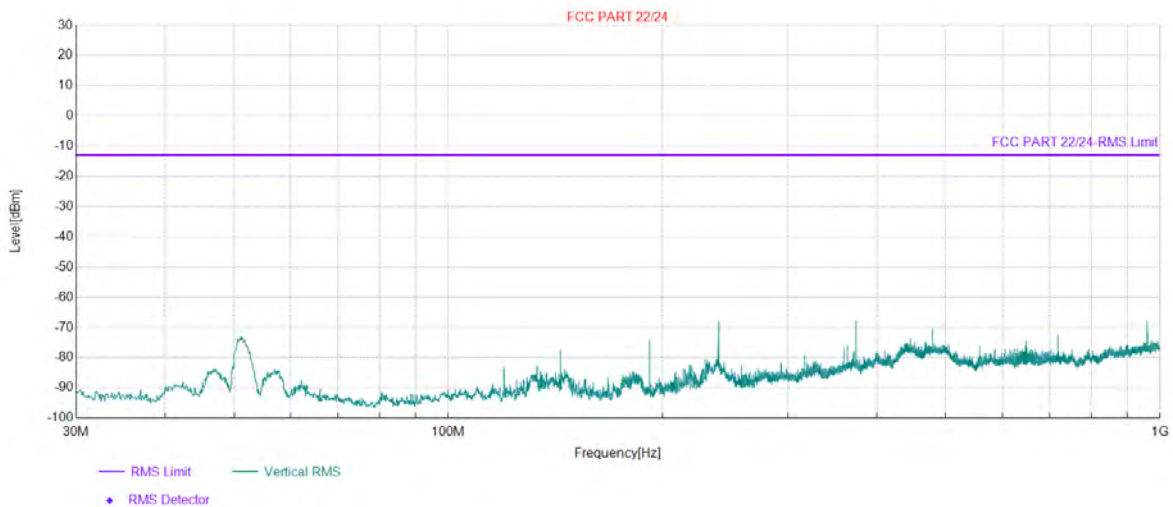
Test Graph



Project Information			
Mode:	GSM	Band:	PCS1900
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

Start of Test: 2023-11-08 19:22:30

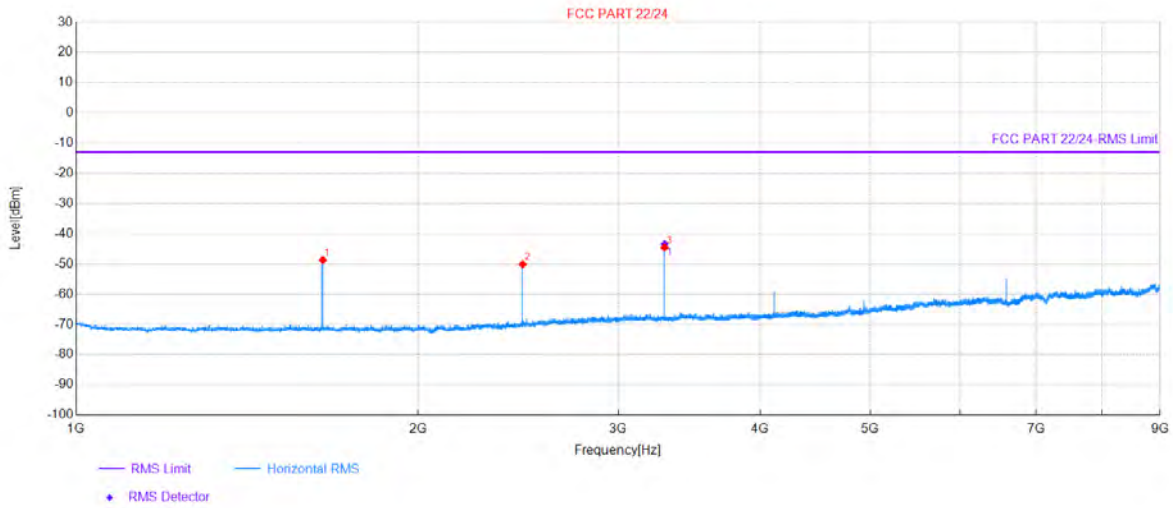
Test Graph



Above 1GHz

Project Information			
Mode:	GSM	Band:	GSM 850
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

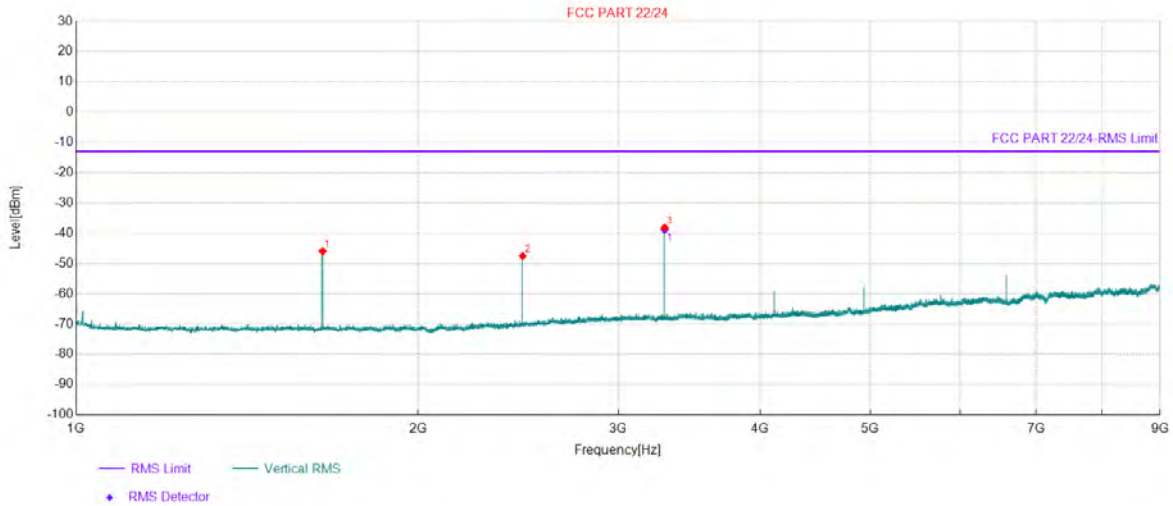
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	1648.432422	65.39	-114.09	-48.70	-13.00	35.70	142	34	RMS	Horizontal	PASS
2	2472.473624	61.15	-111.24	-50.09	-13.00	37.09	155	176	RMS	Horizontal	PASS
3	3296.514826	63.63	-108.19	-44.56	-13.00	31.56	152	188	RMS	Horizontal	PASS

Project Information			
Mode:	GSM	Band:	GSM 850
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

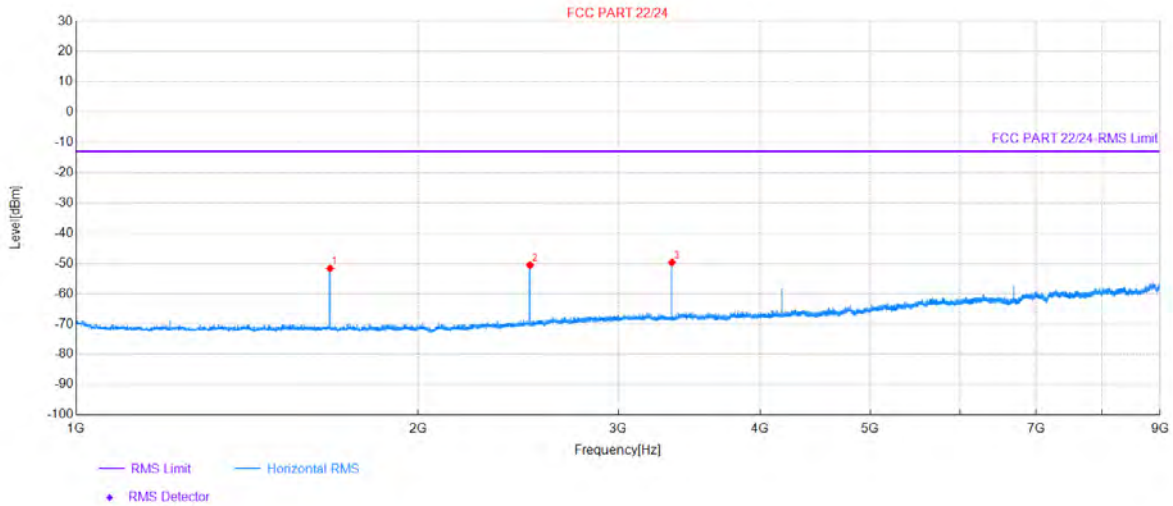
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	1648.432422	68.18	-114.09	-45.91	-13.00	32.91	151	227	RMS	Vertical	PASS
2	2472.473624	63.71	-111.24	-47.53	-13.00	34.53	148	233	RMS	Vertical	PASS
3	3297.314866	70.05	-108.19	-38.14	-13.00	25.14	146	92	RMS	Vertical	PASS

Project Information			
Mode:	GSM	Band:	GSM 850
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

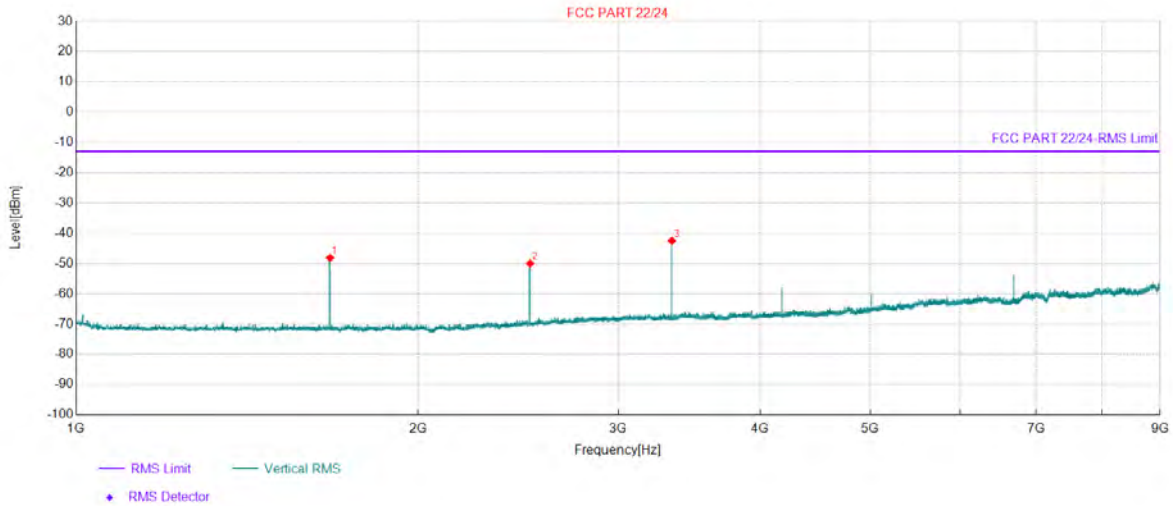
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	1673.233662	62.53	-114.14	-51.61	-13.00	38.61	155	359	RMS	Horizontal	PASS
2	2509.675484	60.84	-111.36	-50.52	-13.00	37.52	141	3	RMS	Horizontal	PASS
3	3346.117306	58.73	-108.36	-49.63	-13.00	36.63	147	201	RMS	Horizontal	PASS

Project Information			
Mode:	GSM	Band:	GSM 850
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

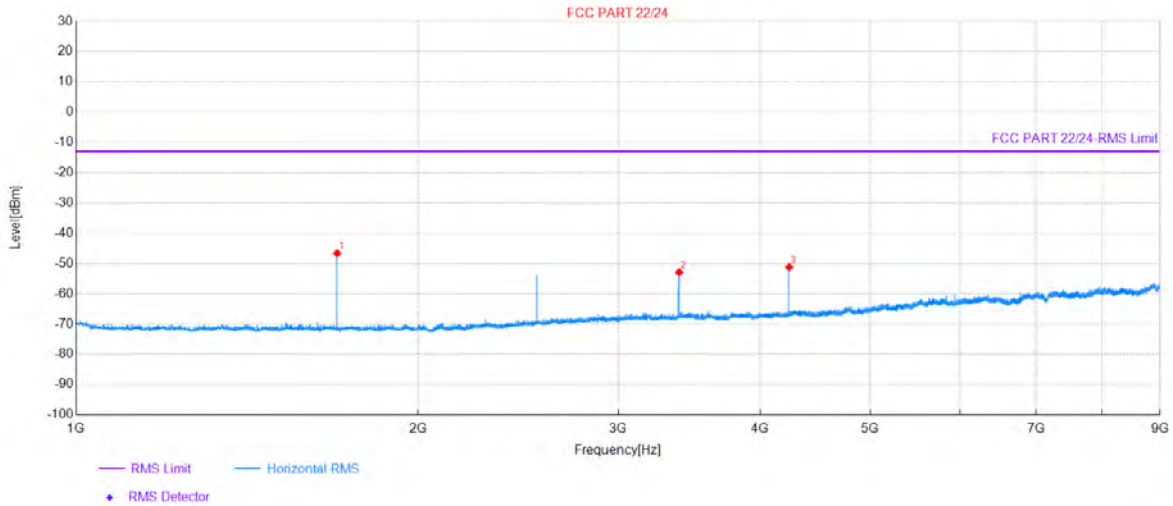
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	1673.233662	66.04	-114.14	-48.10	-13.00	35.10	139	266	RMS	Vertical	PASS
2	2510.075504	61.39	-111.36	-49.97	-13.00	36.97	145	216	RMS	Vertical	PASS
3	3346.117306	65.86	-108.36	-42.50	-13.00	29.50	153	82	RMS	Vertical	PASS

Project Information			
Mode:	GSM	Band:	GSM 850
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	High	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

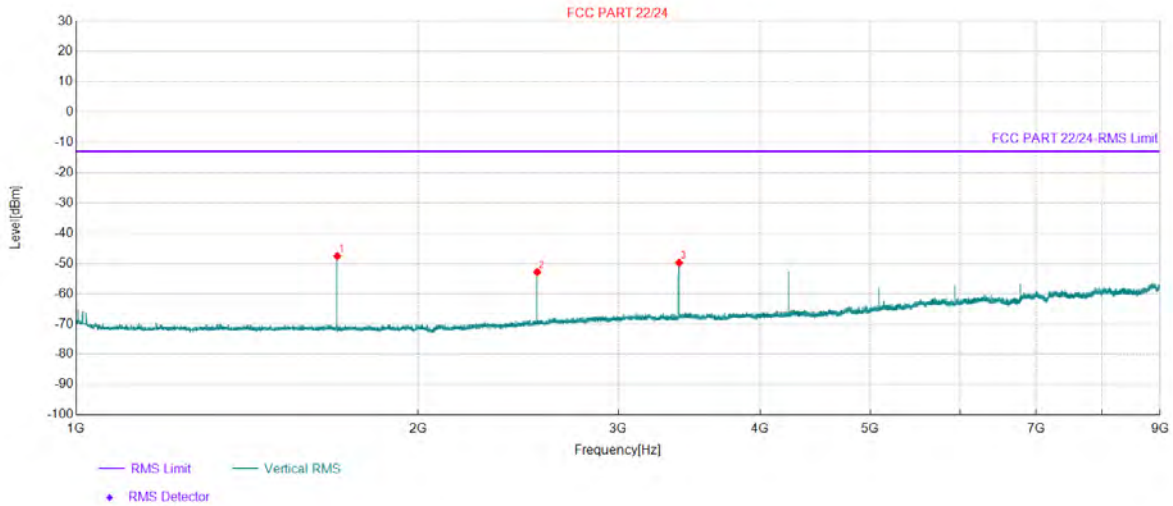
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	1697.634882	67.60	-114.21	-46.61	-13.00	33.61	141	169	RMS	Horizontal	PASS
2	3395.319766	54.72	-107.59	-52.87	-13.00	39.87	148	311	RMS	Horizontal	PASS
3	4243.762188	53.94	-105.14	-51.20	-13.00	38.20	156	311	RMS	Horizontal	PASS

Project Information			
Mode:	GSM	Band:	GSM 850
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	High	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

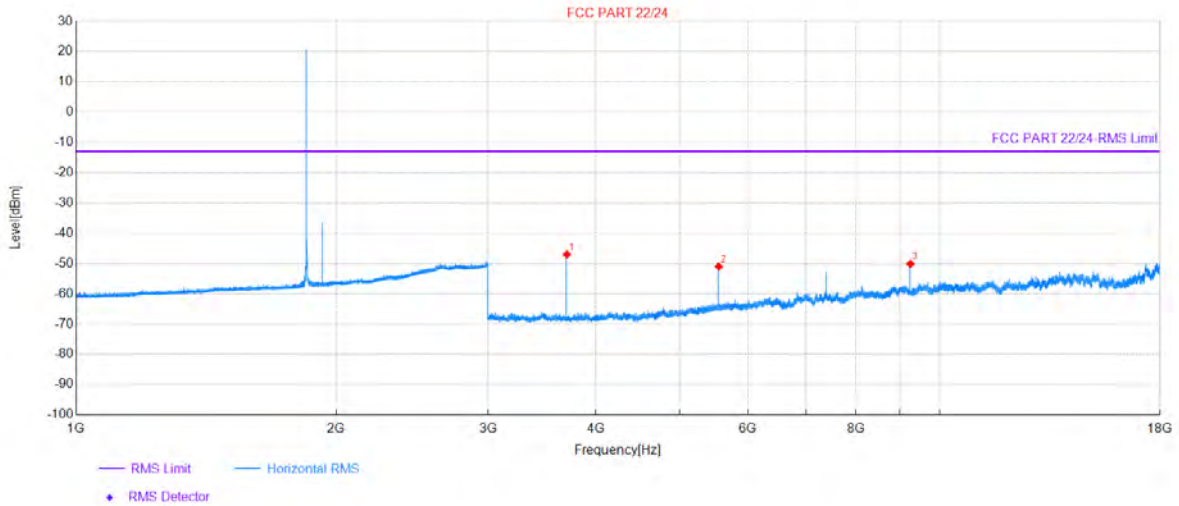
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	1697.634882	66.67	-114.21	-47.54	-13.00	34.54	149	228	RMS	Vertical	PASS
2	2546.477324	58.43	-111.22	-52.79	-13.00	39.79	155	116	RMS	Vertical	PASS
3	3395.319766	57.87	-107.59	-49.72	-13.00	36.72	143	18	RMS	Vertical	PASS

Project Information			
Mode:	GSM	Band:	PCS 1900
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

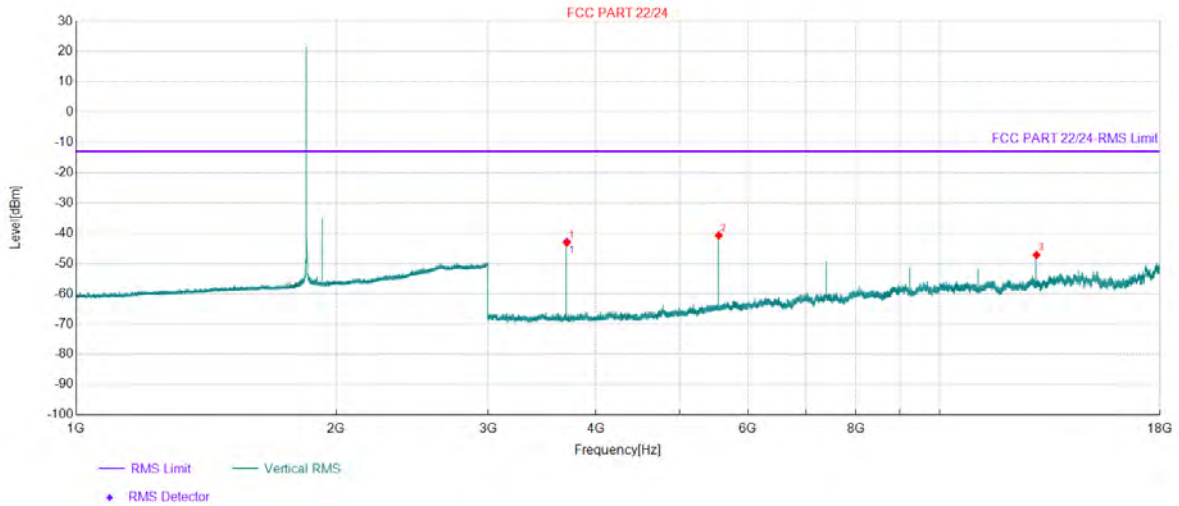
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3700.5	60.49	-107.51	-47.02	-13.00	34.02	137	142	RMS	Horizontal	PASS
2	5550.5	50.35	-101.32	-50.97	-13.00	37.97	158	164	RMS	Horizontal	PASS
3	9251	42.59	-92.69	-50.10	-13.00	37.10	143	18	RMS	Horizontal	PASS

Project Information			
Mode:	GSM	Band:	PCS 1900
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

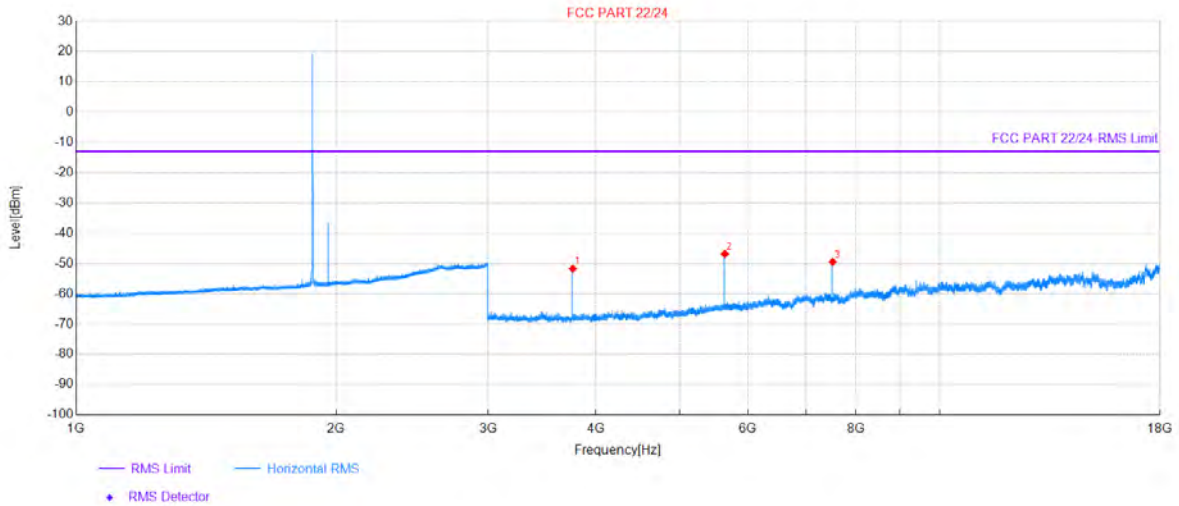
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3700.5	64.42	-107.51	-43.09	-13.00	30.09	164	45	RMS	Vertical	PASS
2	5550.5	60.58	-101.32	-40.74	-13.00	27.74	156	316	RMS	Vertical	PASS
3	12951	43.03	-90.21	-47.18	-13.00	34.18	173	344	RMS	Vertical	PASS

Project Information			
Mode:	GSM	Band:	PCS 1900
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

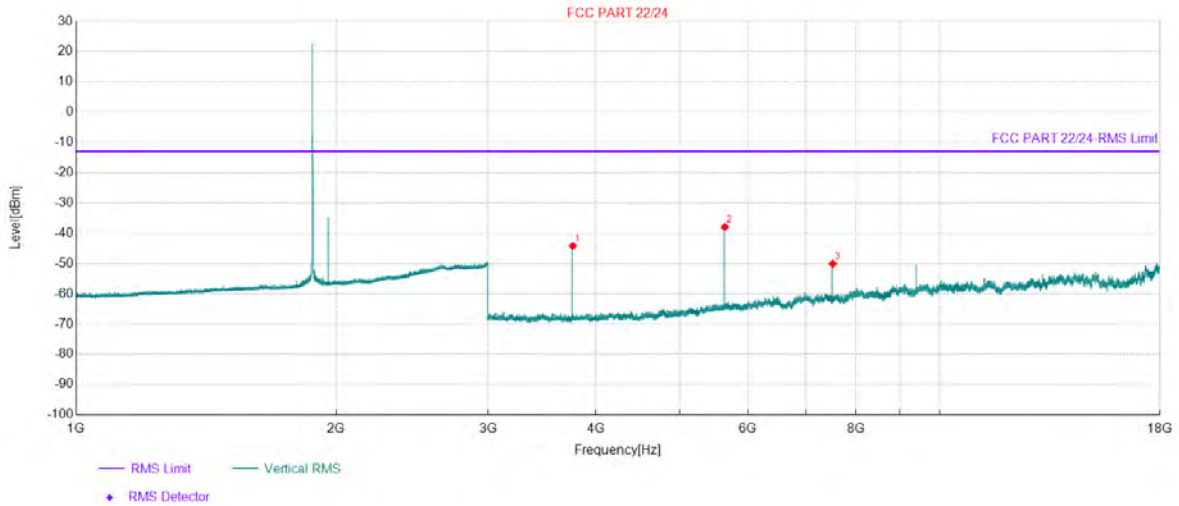
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3760	55.55	-107.25	-51.70	-13.00	38.70	147	321	RMS	Horizontal	PASS
2	5640	54.00	-100.83	-46.83	-13.00	33.83	162	0	RMS	Horizontal	PASS
3	7520	47.34	-96.78	-49.44	-13.00	36.44	153	176	RMS	Horizontal	PASS

Project Information			
Mode:	GSM	Band:	PCS 1900
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

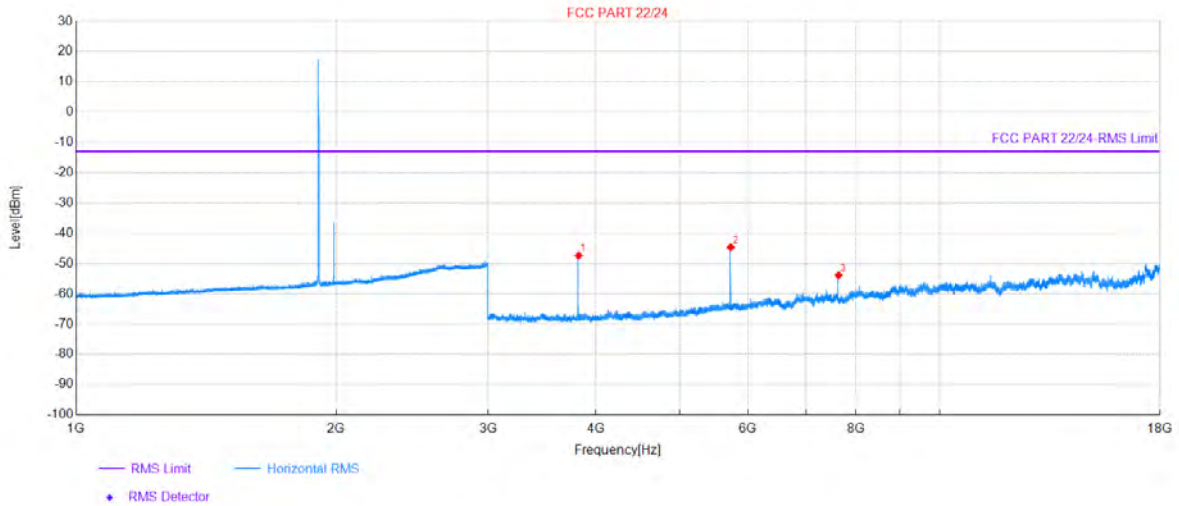
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3760	63.07	-107.25	-44.18	-13.00	31.18	154	55	RMS	Vertical	PASS
2	5640	62.88	-100.83	-37.95	-13.00	24.95	138	136	RMS	Vertical	PASS
3	7520	46.74	-96.78	-50.04	-13.00	37.04	196	26	RMS	Vertical	PASS

Project Information			
Mode:	GSM	Band:	PCS 1900
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	High	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

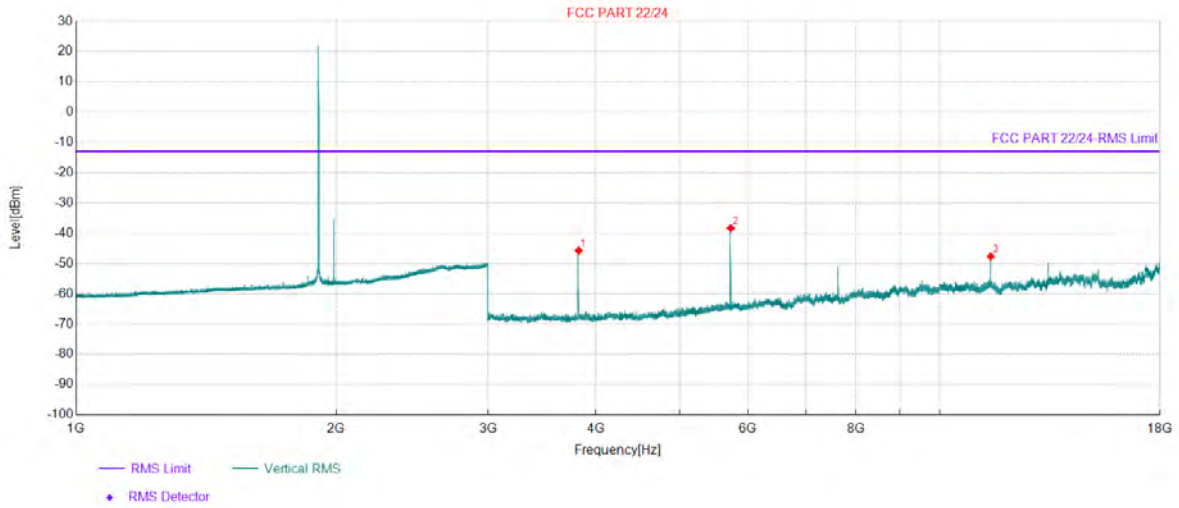
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3819.5	59.22	-106.57	-47.35	-13.00	34.35	156	284	RMS	Horizontal	PASS
2	5729.5	56.11	-100.75	-44.64	-13.00	31.64	148	154	RMS	Horizontal	PASS
3	7639	42.44	-96.28	-53.84	-13.00	40.84	169	139	RMS	Horizontal	PASS

Project Information			
Mode:	GSM	Band:	PCS 1900
Bandwidth:	/	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3819.5	60.88	-106.57	-45.69	-13.00	32.69	143	357	RMS	Vertical	PASS
2	5729.5	62.41	-100.75	-38.34	-13.00	25.34	136	139	RMS	Vertical	PASS
3	11459	42.64	-90.28	-47.64	-13.00	34.64	153	183	RMS	Vertical	PASS