



Appendix A.1

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 GSM850_ERP

Band: GSM850								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	GSM	GSM	824.2	32.83	-4.50	26.18	<=38.45	Pass
			836.6	32.83	-4.50	26.18	<=38.45	Pass
			848.8	33.02	-4.50	26.37	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 GSM850

Band: GSM850							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GSM	824.2	20	3.50	-3.551	-0.0043	-2.5 to 2.5	Pass
			3.91	-5.779	-0.0070	-2.5 to 2.5	Pass
			4.50	-7.297	-0.0089	-2.5 to 2.5	Pass
		-30	3.91	-1.356	-0.0016	-2.5 to 2.5	Pass
		-20	3.91	-5.198	-0.0063	-2.5 to 2.5	Pass
		-10	3.91	-11.558	-0.0140	-2.5 to 2.5	Pass
		0	3.91	-6.845	-0.0083	-2.5 to 2.5	Pass
		10	3.91	-6.683	-0.0081	-2.5 to 2.5	Pass
		30	3.91	-4.811	-0.0058	-2.5 to 2.5	Pass
		40	3.91	-4.940	-0.0060	-2.5 to 2.5	Pass
		50	3.91	-4.585	-0.0056	-2.5 to 2.5	Pass
	836.6	20	3.50	-7.781	-0.0093	-2.5 to 2.5	Pass
			3.91	-0.484	-0.0006	-2.5 to 2.5	Pass
			4.50	-5.585	-0.0067	-2.5 to 2.5	Pass
		-30	3.91	-3.099	-0.0037	-2.5 to 2.5	Pass
		-20	3.91	-6.328	-0.0076	-2.5 to 2.5	Pass
		-10	3.91	-3.939	-0.0047	-2.5 to 2.5	Pass
		0	3.91	-4.746	-0.0057	-2.5 to 2.5	Pass
		10	3.91	-13.463	-0.0161	-2.5 to 2.5	Pass
		30	3.91	-4.681	-0.0056	-2.5 to 2.5	Pass
		40	3.91	-4.391	-0.0052	-2.5 to 2.5	Pass
		50	3.91	-9.008	-0.0108	-2.5 to 2.5	Pass
	848.8	20	3.50	-4.197	-0.0049	-2.5 to 2.5	Pass



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			3.91	-2.551	-0.0030	-2.5 to 2.5	Pass
			4.50	-7.781	-0.0092	-2.5 to 2.5	Pass
		-30	3.91	-4.326	-0.0051	-2.5 to 2.5	Pass
		-20	3.91	-5.779	-0.0068	-2.5 to 2.5	Pass
		-10	3.91	-6.199	-0.0073	-2.5 to 2.5	Pass
		0	3.91	-6.651	-0.0078	-2.5 to 2.5	Pass
		10	3.91	-6.715	-0.0079	-2.5 to 2.5	Pass
		30	3.91	-6.554	-0.0077	-2.5 to 2.5	Pass
		40	3.91	-4.617	-0.0054	-2.5 to 2.5	Pass
		50	3.91	-8.071	-0.0095	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 GSM850_OBW

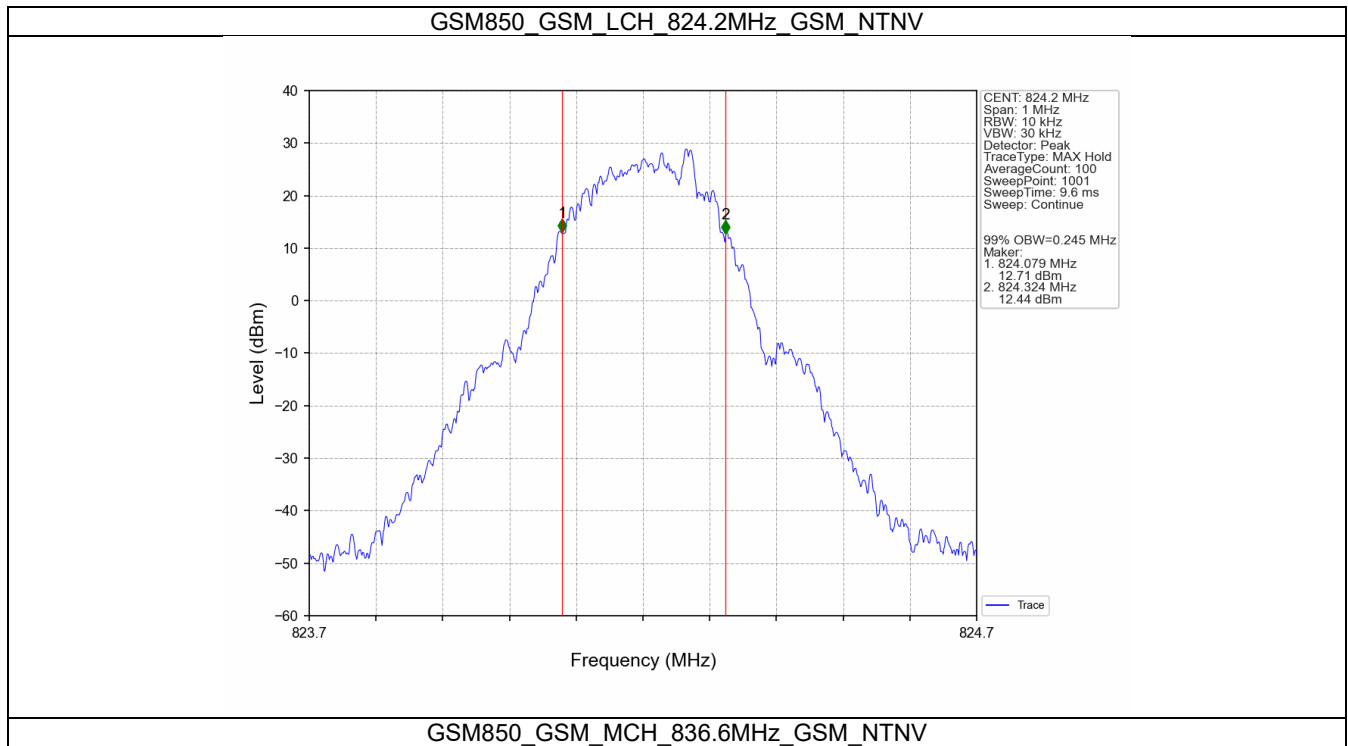
Band: GSM850						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	824.2	0.245	/	Pass
			836.6	0.244	/	Pass
			848.8	0.243	/	Pass

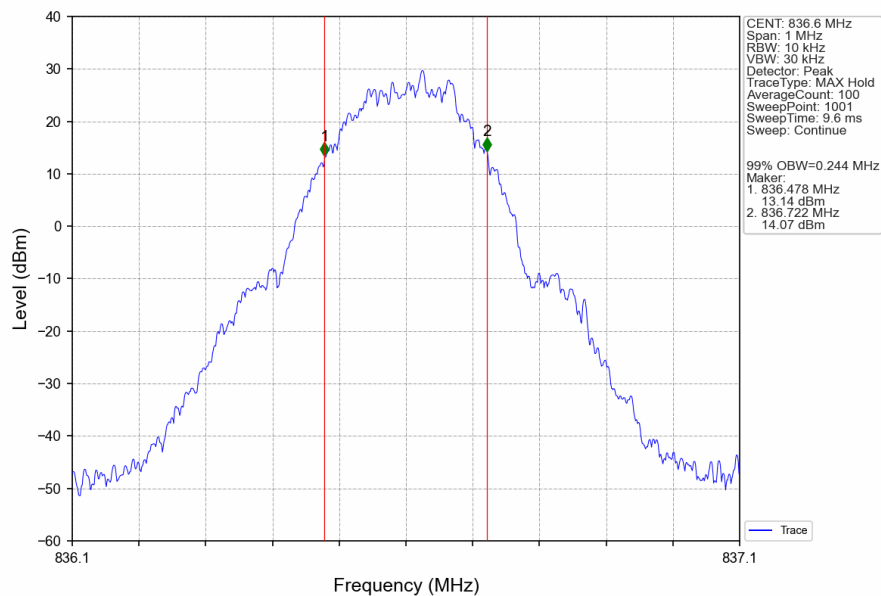
3.1.2 GSM850_XDB

Band: GSM850						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	824.2	0.314	/	Pass
			836.6	0.309	/	Pass
			848.8	0.314	/	Pass

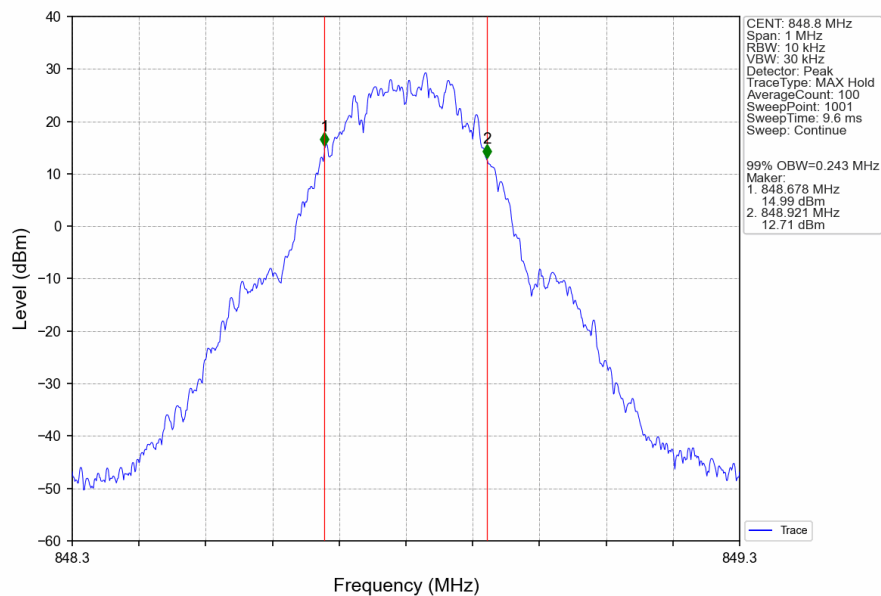
3.2 Test Graph

3.2.1 GSM850_OBW

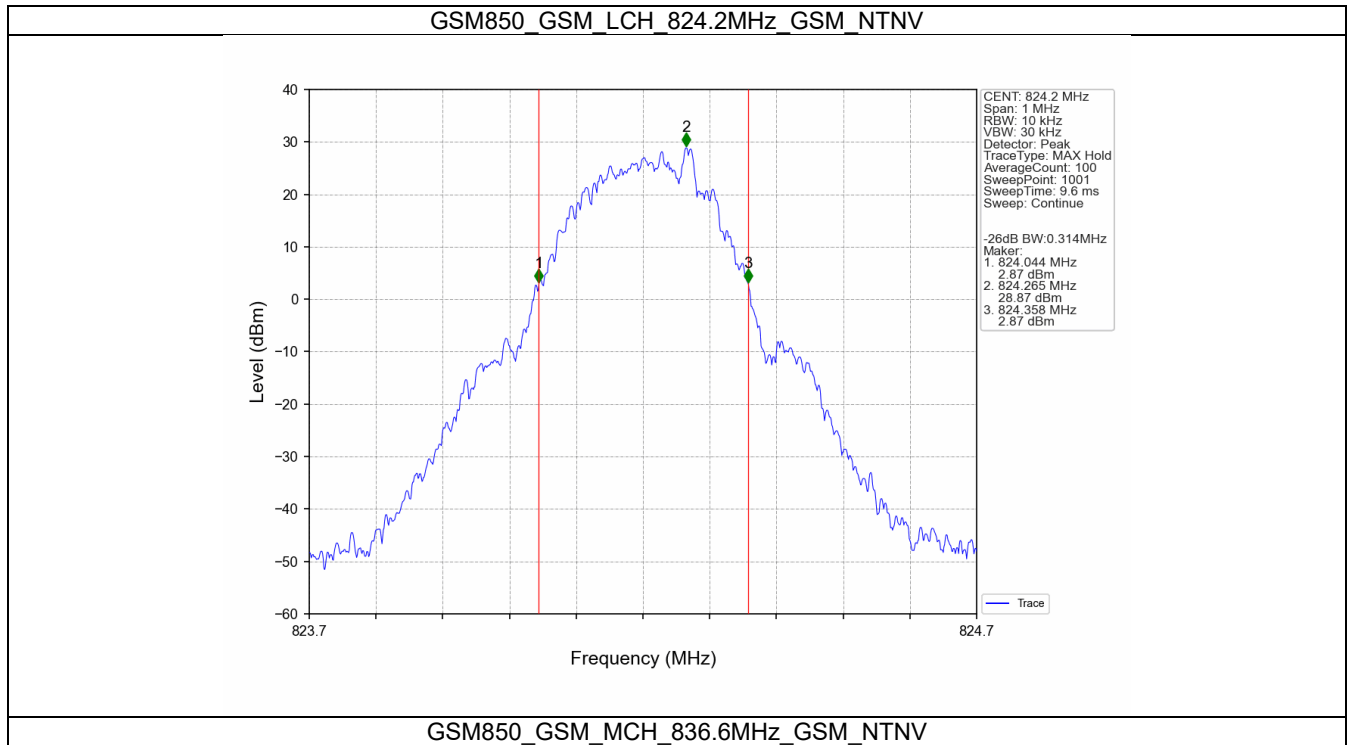


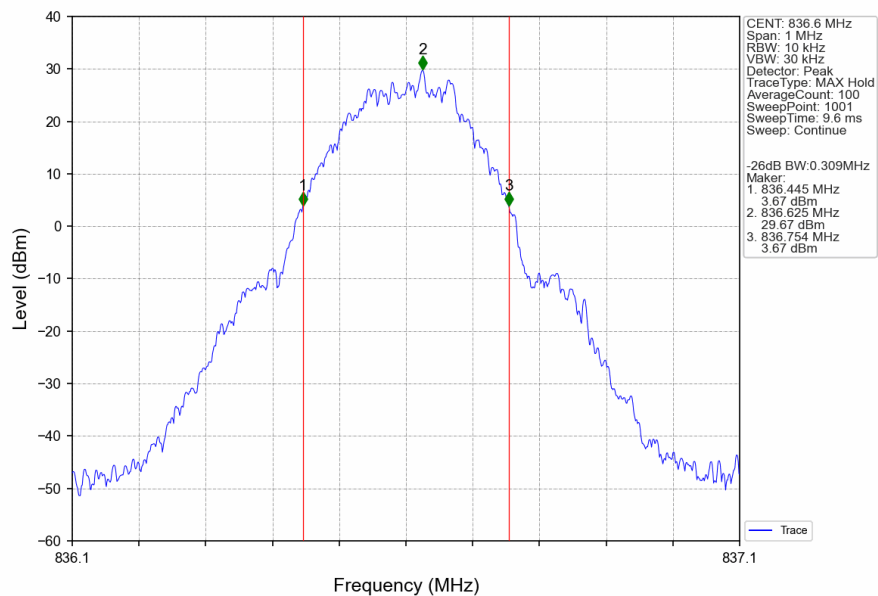


GSM850_GSM_HCH_848.8MHz_GSM_NTNV

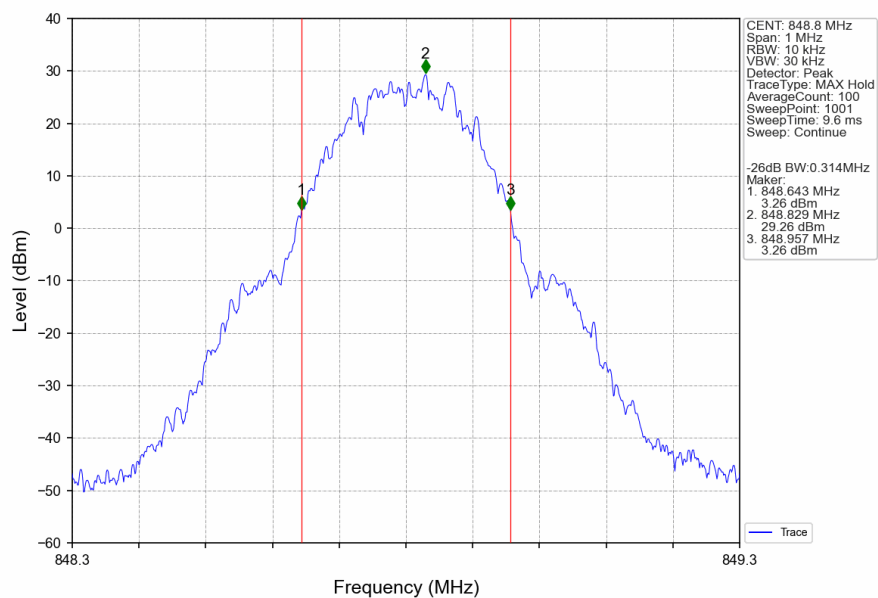


3.2.2 GSM850_XDB





GSM850_GSM_HCH_848.8MHz_GSM_NTNV





4. Peak-Average Ratio

4.1 Test Result

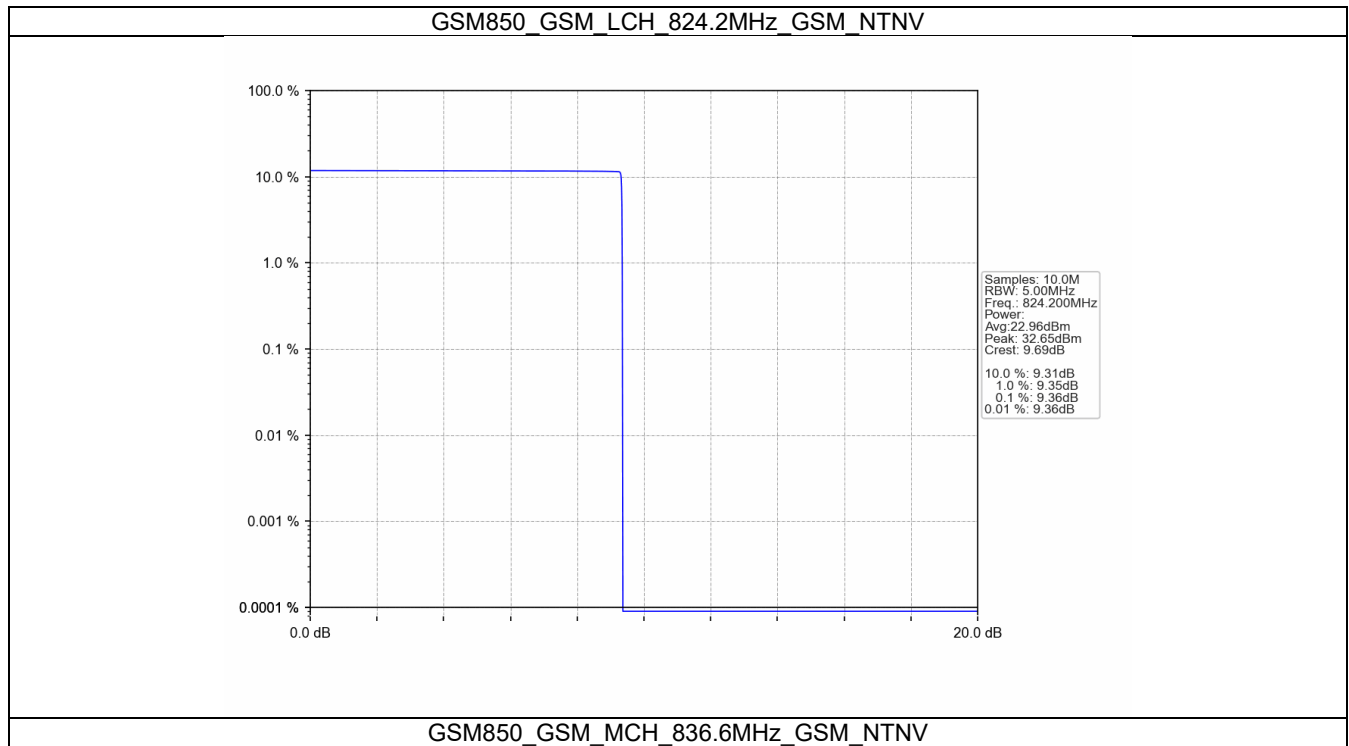
4.1.1 GSM850

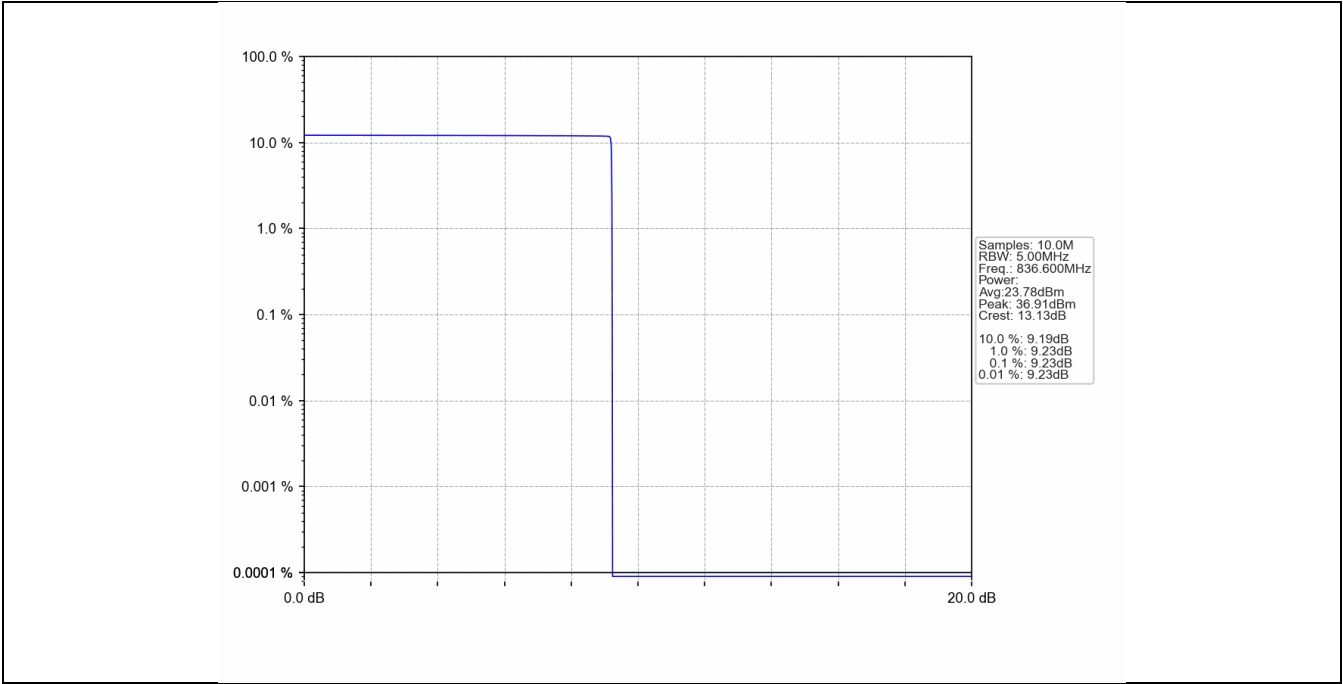
Band: GSM850						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	824.2	9.36	<=13	Pass
			836.6	9.23	<=13	Pass
			848.8	9.41	<=13	Pass

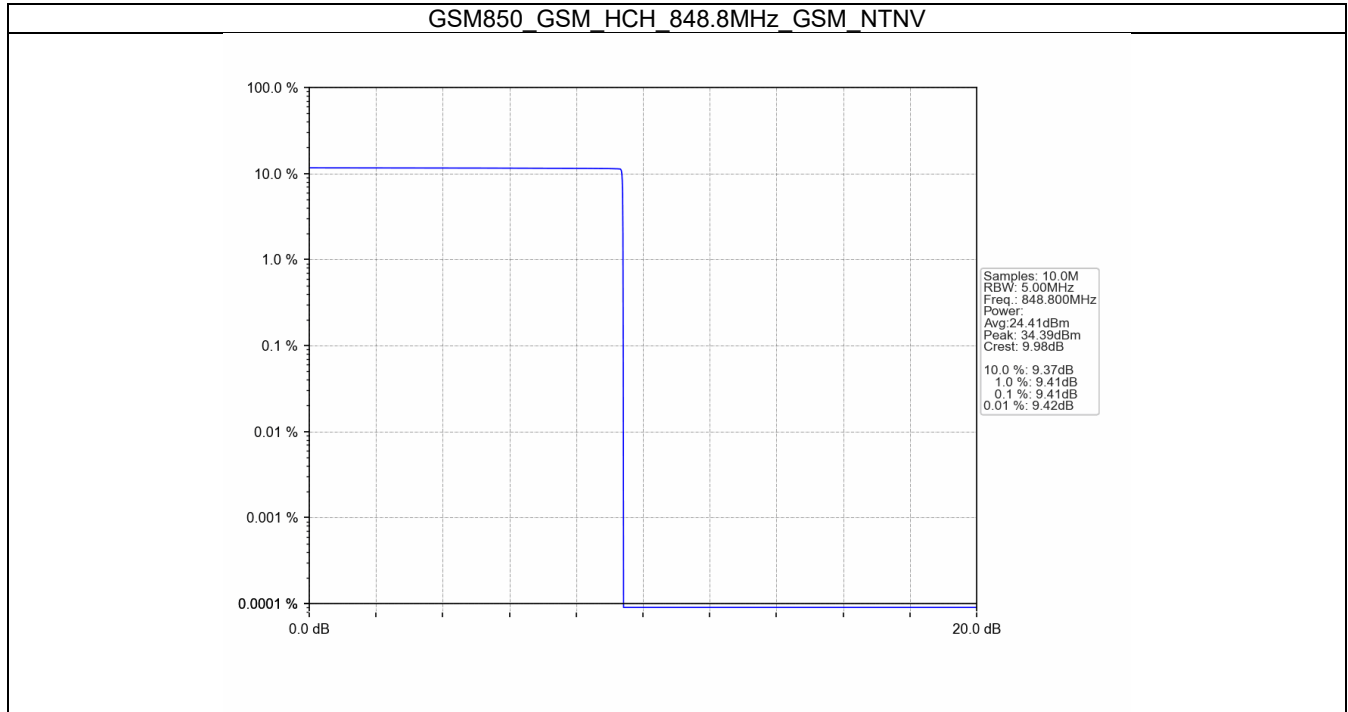


4.2 Test Graph

4.2.1 GSM850









5. Spurious Emission

5.1 Test Result

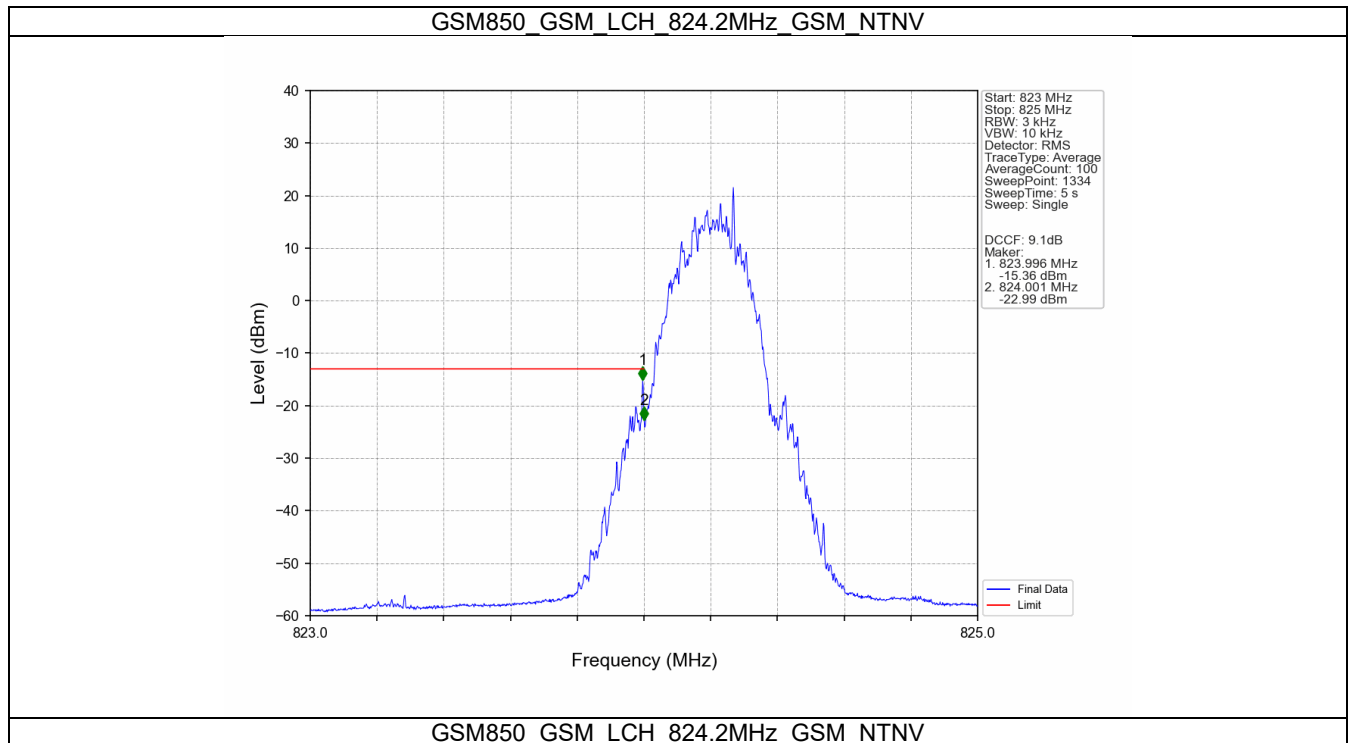
5.1.1 GSM850

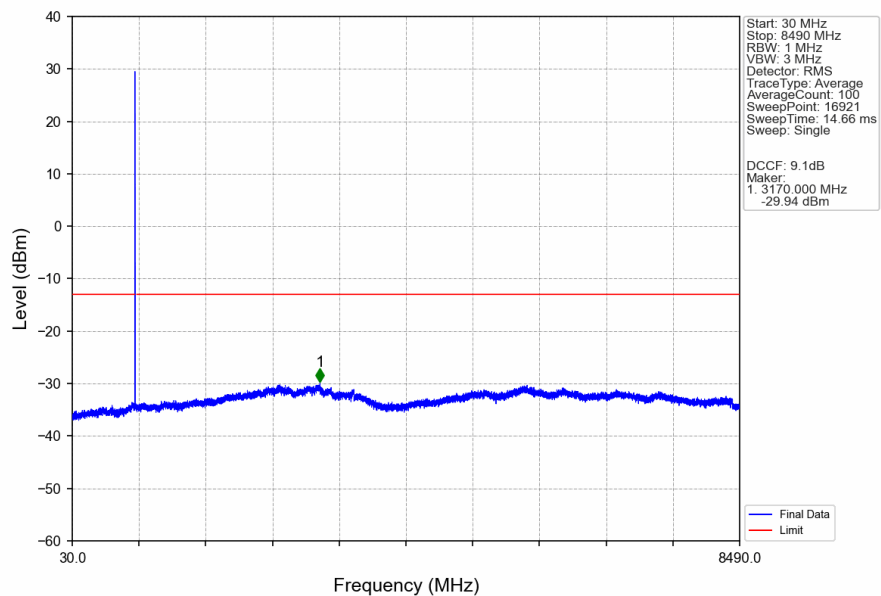
Band: GSM850						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	824.2	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			848.8	Refer To Test Graph		Pass



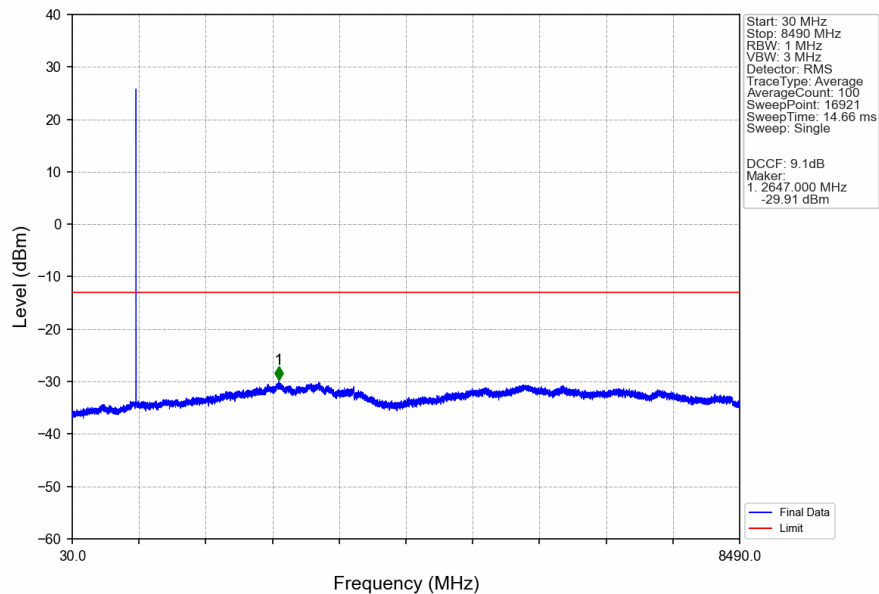
5.2 Test Graph

5.2.1 GSM850

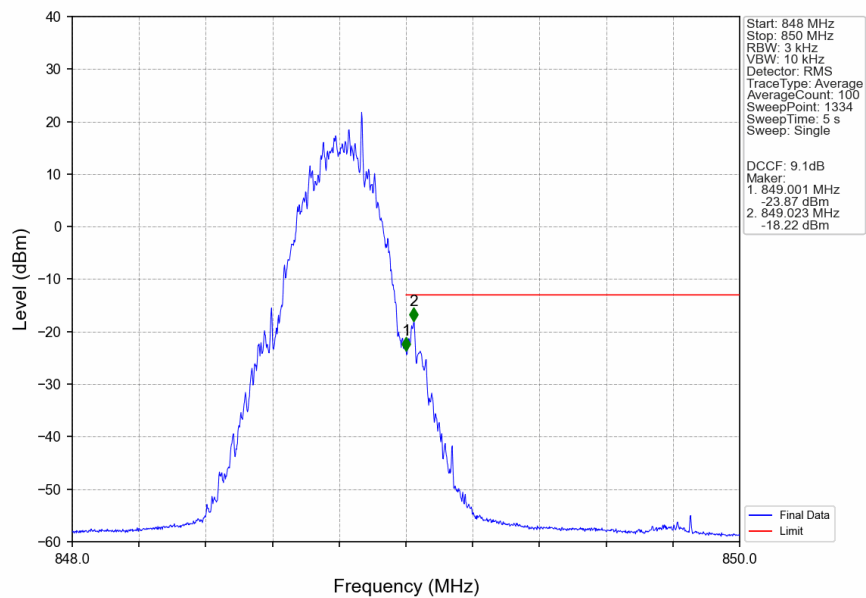




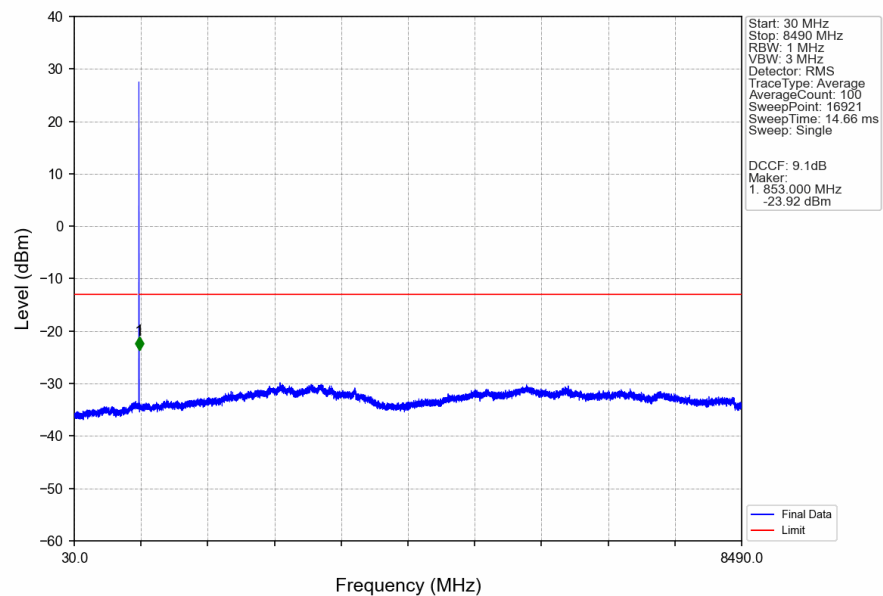
GSM850_GSM_MCH_836.6MHz_GSM_NTNV



GSM850_GSM_HCH_848.8MHz_GSM_NTNV



GSM850_GSM_HCH_848.8MHz_GSM_NTNV



---End of Attachment---