

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	GPRS	1 TX Slot	824.2	33.58	-1.24	30.19	<=38.45	Pass
		2 TX Slots	824.2	32.27	-1.24	28.88	<=38.45	Pass
		3 TX Slots	824.2	30.28	-1.24	26.89	<=38.45	Pass
		4 TX Slots	824.2	28.91	-1.24	25.52	<=38.45	Pass
		1 TX Slot	836.6	33.56	-1.24	30.17	<=38.45	Pass
		2 TX Slots	836.6	32.39	-1.24	29.00	<=38.45	Pass
		3 TX Slots	836.6	30.49	-1.24	27.10	<=38.45	Pass
		4 TX Slots	836.6	29.39	-1.24	26.00	<=38.45	Pass
		1 TX Slot	848.8	33.89	-1.24	30.50	<=38.45	Pass
		2 TX Slots	848.8	32.68	-1.24	29.29	<=38.45	Pass
		3 TX Slots	848.8	30.84	-1.24	27.45	<=38.45	Pass
		4 TX Slots	848.8	29.52	-1.24	26.13	<=38.45	Pass
	EGPRS	1 TX Slot	824.2	27.31	-1.24	23.92	<=38.45	Pass
		2 TX Slots	824.2	26.81	-1.24	23.42	<=38.45	Pass
		3 TX Slots	824.2	24.76	-1.24	21.37	<=38.45	Pass
		4 TX Slots	824.2	23.93	-1.24	20.54	<=38.45	Pass
		1 TX Slot	836.6	27.25	-1.24	23.86	<=38.45	Pass
		2 TX Slots	836.6	26.91	-1.24	23.52	<=38.45	Pass
		3 TX Slots	836.6	24.89	-1.24	21.50	<=38.45	Pass
		4 TX Slots	836.6	24.02	-1.24	20.63	<=38.45	Pass
		1 TX Slot	848.8	27.74	-1.24	24.35	<=38.45	Pass
		2 TX Slots	848.8	27.14	-1.24	23.75	<=38.45	Pass
		3 TX Slots	848.8	25.11	-1.24	21.72	<=38.45	Pass
		4 TX Slots	848.8	24.29	-1.24	20.90	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GPRS	824.2	20	LV	28.745	0.0349	-2.5 to 2.5	Pass
			NV	29.199	0.0354	-2.5 to 2.5	Pass
			HV	27.969	0.0339	-2.5 to 2.5	Pass
		-30	NV	26.249	0.0318	-2.5 to 2.5	Pass
		-20	NV	28.133	0.0341	-2.5 to 2.5	Pass
		-10	NV	25.719	0.0312	-2.5 to 2.5	Pass
		0	NV	26.952	0.0327	-2.5 to 2.5	Pass
		10	NV	26.965	0.0327	-2.5 to 2.5	Pass
		30	NV	27.326	0.0332	-2.5 to 2.5	Pass
		40	NV	28.726	0.0349	-2.5 to 2.5	Pass
		50	NV	27.892	0.0338	-2.5 to 2.5	Pass
	836.6	20	LV	27.398	0.0327	-2.5 to 2.5	Pass
			NV	27.722	0.0331	-2.5 to 2.5	Pass
			HV	26.187	0.0313	-2.5 to 2.5	Pass
		-30	NV	28.411	0.0340	-2.5 to 2.5	Pass
		-20	NV	29.252	0.0350	-2.5 to 2.5	Pass
		-10	NV	25.275	0.0302	-2.5 to 2.5	Pass
		0	NV	26.796	0.0320	-2.5 to 2.5	Pass
		10	NV	27.337	0.0327	-2.5 to 2.5	Pass
		30	NV	27.185	0.0325	-2.5 to 2.5	Pass
		40	NV	26.966	0.0322	-2.5 to 2.5	Pass
		50	NV	25.387	0.0303	-2.5 to 2.5	Pass
	848.8	20	LV	25.834	0.0304	-2.5 to 2.5	Pass
			NV	26.003	0.0306	-2.5 to 2.5	Pass
			HV	23.532	0.0277	-2.5 to 2.5	Pass
		-30	NV	25.747	0.0303	-2.5 to 2.5	Pass
		-20	NV	25.480	0.0300	-2.5 to 2.5	Pass
		-10	NV	24.707	0.0291	-2.5 to 2.5	Pass
		0	NV	25.244	0.0297	-2.5 to 2.5	Pass
		10	NV	25.379	0.0299	-2.5 to 2.5	Pass
		30	NV	24.074	0.0284	-2.5 to 2.5	Pass
		40	NV	26.044	0.0307	-2.5 to 2.5	Pass
		50	NV	24.982	0.0294	-2.5 to 2.5	Pass
EGPRS	824.2	20	LV	31.199	0.0379	-2.5 to 2.5	Pass
			NV	30.592	0.0371	-2.5 to 2.5	Pass
			HV	30.159	0.0366	-2.5 to 2.5	Pass
		-30	NV	34.649	0.0420	-2.5 to 2.5	Pass
		-20	NV	31.593	0.0383	-2.5 to 2.5	Pass
		-10	NV	31.445	0.0382	-2.5 to 2.5	Pass
		0	NV	30.605	0.0371	-2.5 to 2.5	Pass
		10	NV	32.119	0.0390	-2.5 to 2.5	Pass
		30	NV	31.281	0.0380	-2.5 to 2.5	Pass
		40	NV	29.544	0.0358	-2.5 to 2.5	Pass

	836.6	50	NV	30.389	0.0369	-2.5 to 2.5	Pass
		20	LV	31.387	0.0375	-2.5 to 2.5	Pass
			NV	30.557	0.0365	-2.5 to 2.5	Pass
			HV	29.893	0.0357	-2.5 to 2.5	Pass
		-30	NV	29.546	0.0353	-2.5 to 2.5	Pass
		-20	NV	26.814	0.0321	-2.5 to 2.5	Pass
		-10	NV	31.622	0.0378	-2.5 to 2.5	Pass
		0	NV	30.831	0.0369	-2.5 to 2.5	Pass
		10	NV	29.886	0.0357	-2.5 to 2.5	Pass
		30	NV	31.025	0.0371	-2.5 to 2.5	Pass
		40	NV	31.828	0.0380	-2.5 to 2.5	Pass
		50	NV	29.532	0.0353	-2.5 to 2.5	Pass
	848.8	20	LV	29.690	0.0350	-2.5 to 2.5	Pass
			NV	29.308	0.0345	-2.5 to 2.5	Pass
			HV	31.361	0.0369	-2.5 to 2.5	Pass
		-30	NV	28.956	0.0341	-2.5 to 2.5	Pass
		-20	NV	30.087	0.0354	-2.5 to 2.5	Pass
		-10	NV	28.694	0.0338	-2.5 to 2.5	Pass
		0	NV	29.724	0.0350	-2.5 to 2.5	Pass
		10	NV	30.293	0.0357	-2.5 to 2.5	Pass
		30	NV	28.165	0.0332	-2.5 to 2.5	Pass
		40	NV	30.014	0.0354	-2.5 to 2.5	Pass
		50	NV	28.993	0.0342	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 GSM850_OBW

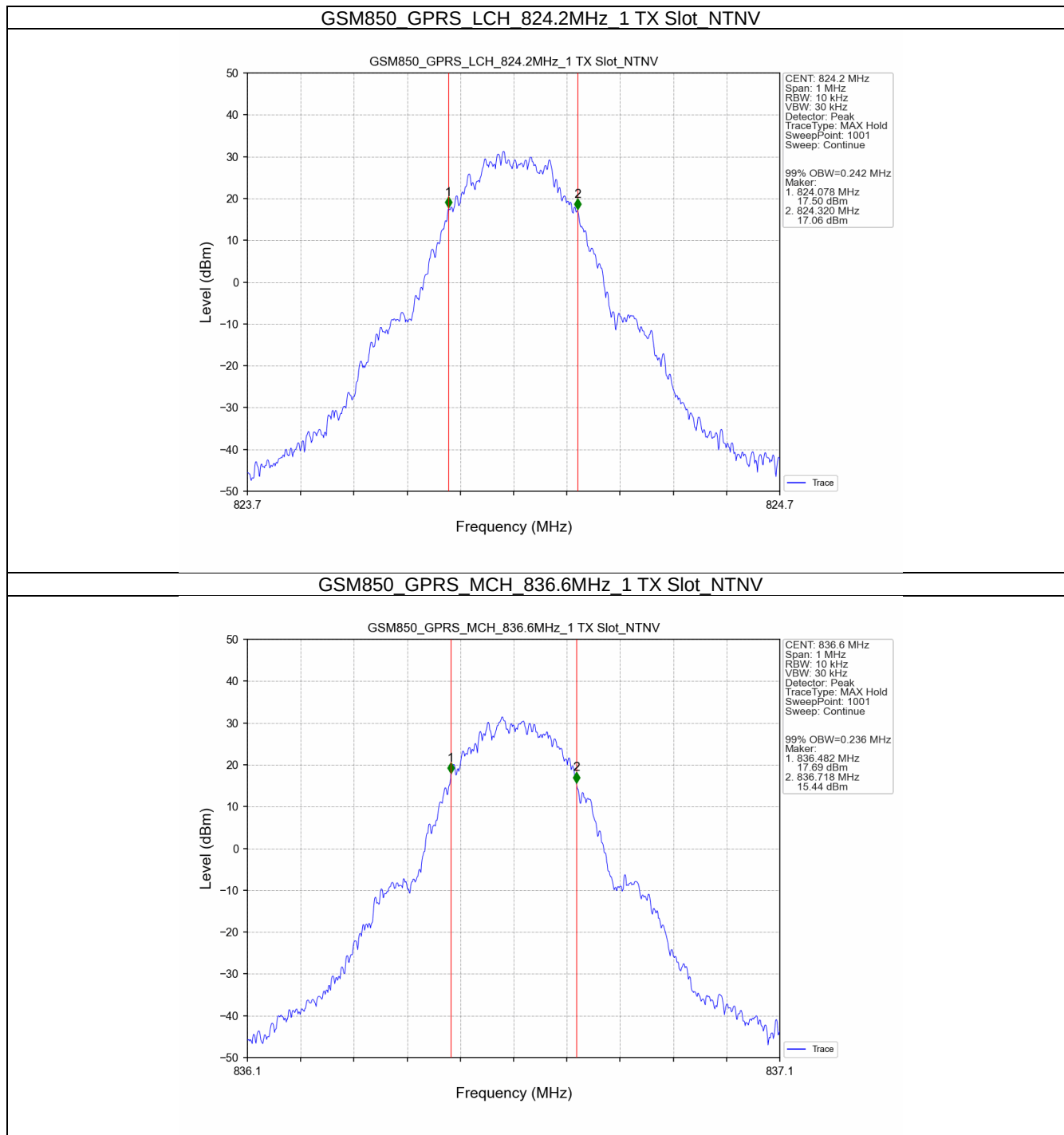
Band: GSM850						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	824.2	0.242	/	Pass
			836.6	0.236	/	Pass
			848.8	0.249	/	Pass
	EGPRS	1 TX Slot	824.2	0.237	/	Pass
			836.6	0.242	/	Pass
			848.8	0.237	/	Pass

3.1.2 GSM850_XDB

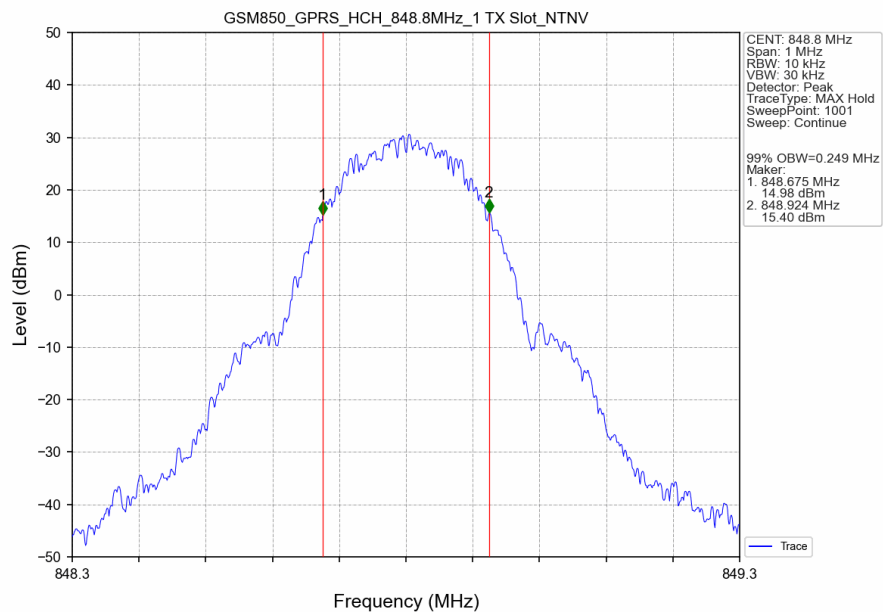
Band: GSM850						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	824.2	0.313	/	Pass
			836.6	0.315	/	Pass
			848.8	0.316	/	Pass
	EGPRS	1 TX Slot	824.2	0.288	/	Pass
			836.6	0.312	/	Pass
			848.8	0.312	/	Pass

3.2 Test Graph

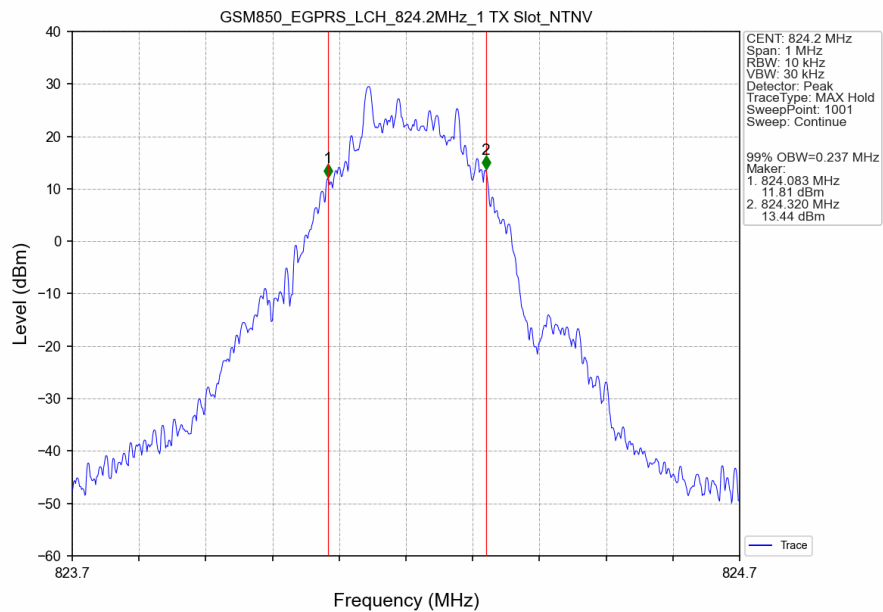
3.2.1 GSM850_OBW



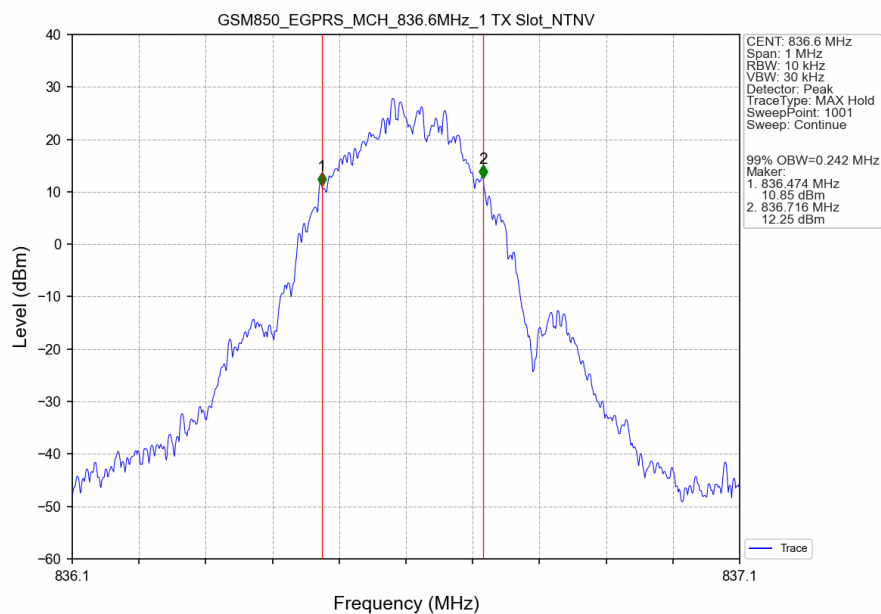
GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



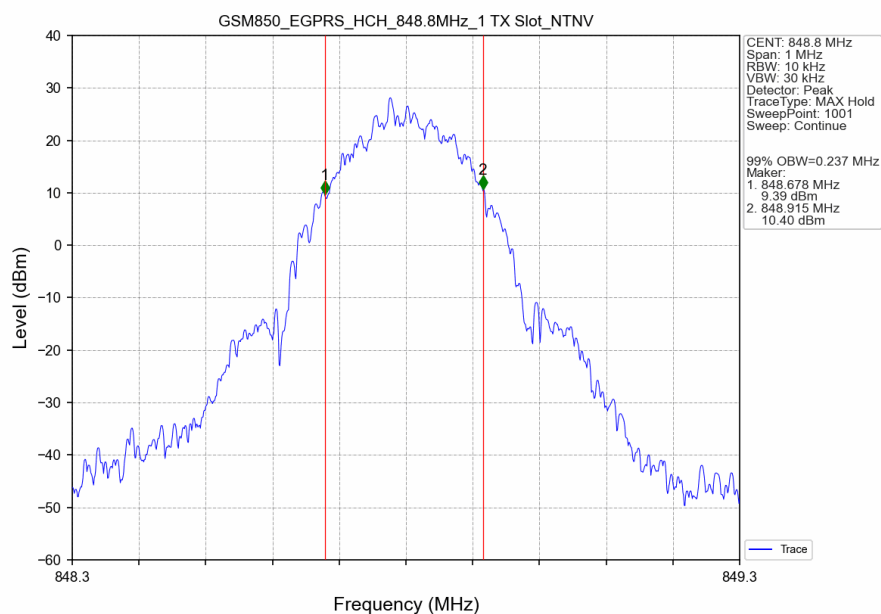
GSM850_EGPRS_LCH_824.2MHz_1 TX Slot_NTNV



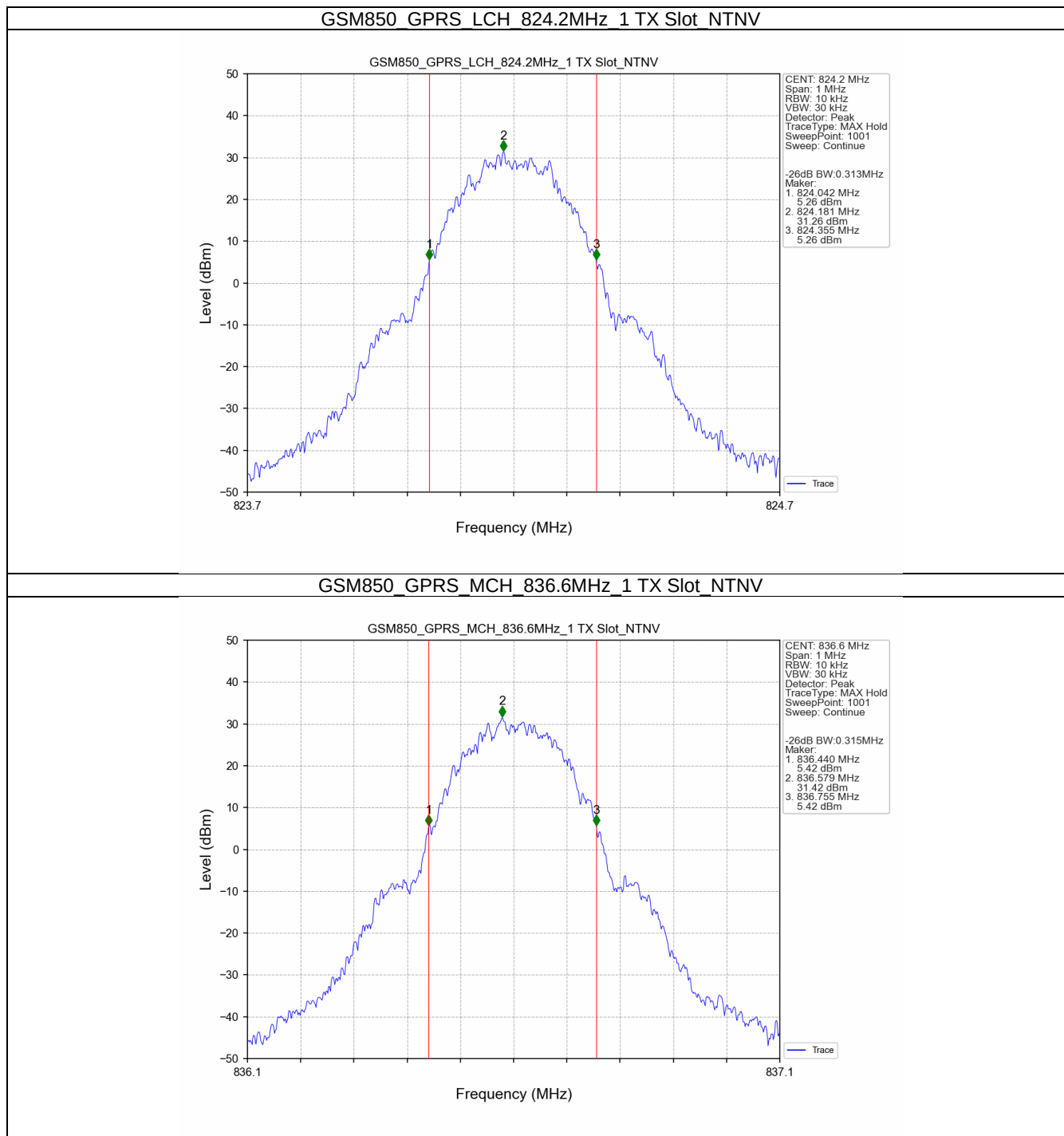
GSM850_EGPRS_MCH_836.6MHz_1 TX Slot_NTNV



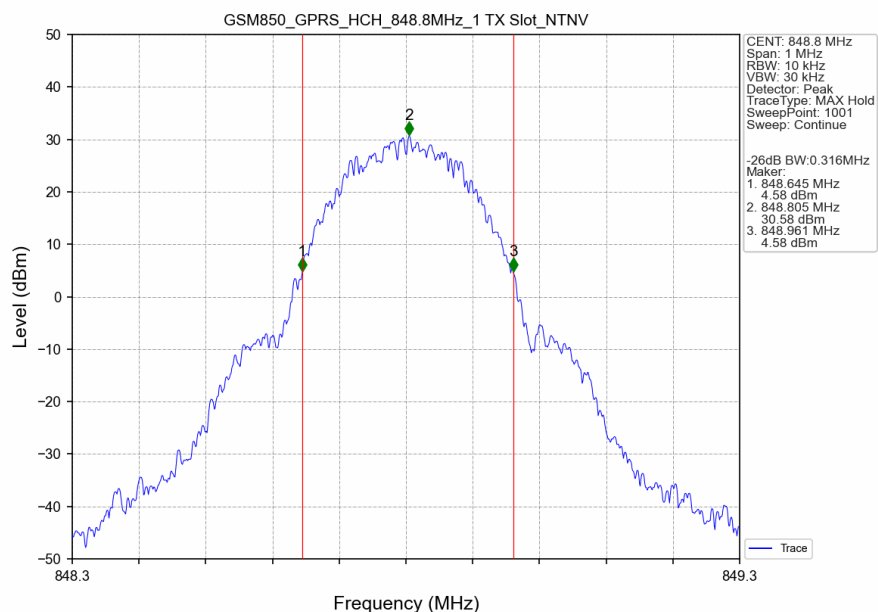
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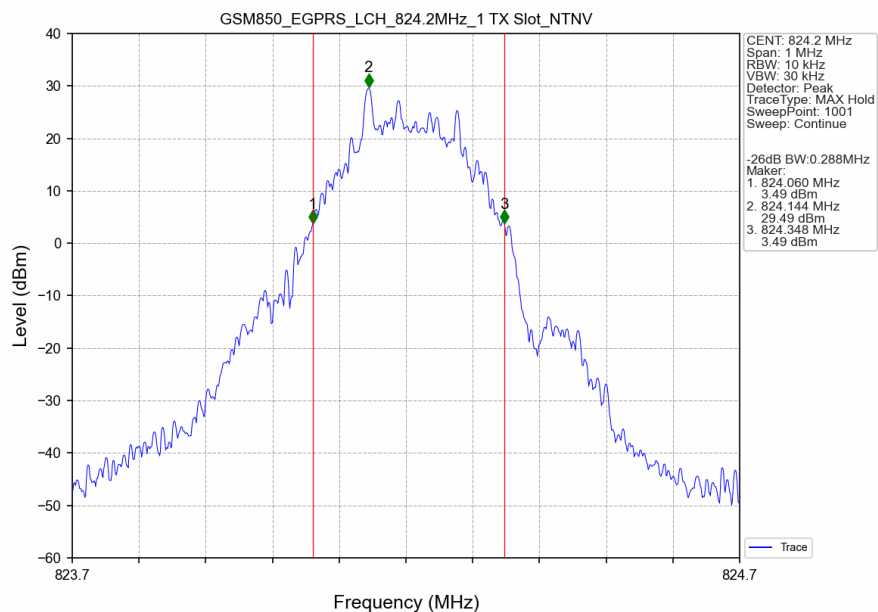
3.2.2 GSM850_XDB



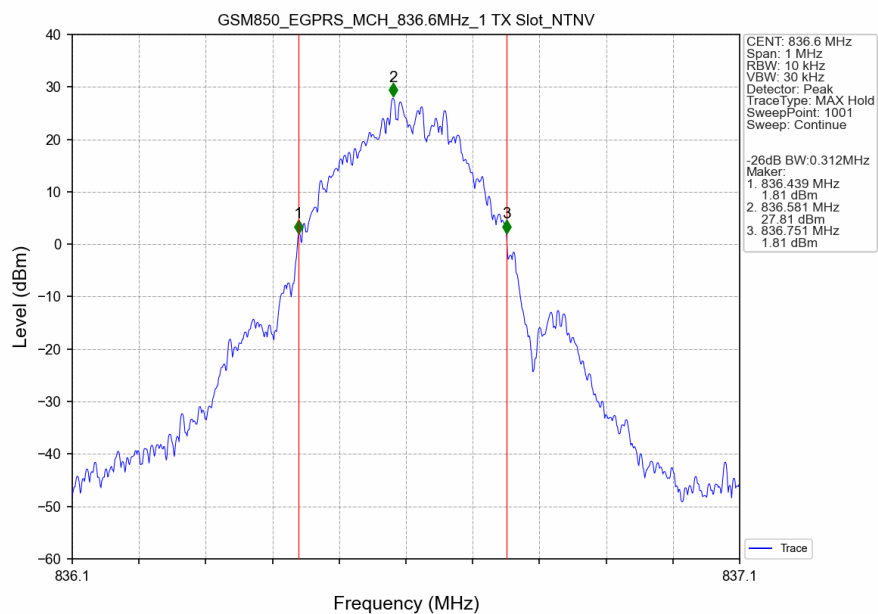
GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



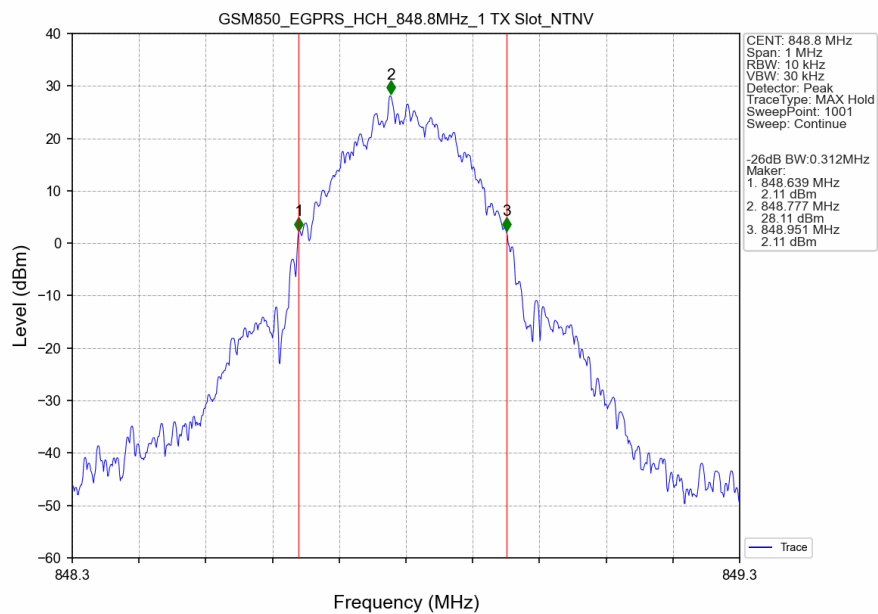
GSM850_EGPRS_LCH_824.2MHz_1 TX Slot_NTNV



GSM850_EGPRS_MCH_836.6MHz_1 TX Slot_NTNV



GSM850_EGPRS_HCH_848.8MHz_1 TX Slot_NTNV





4. Peak-Average Ratio

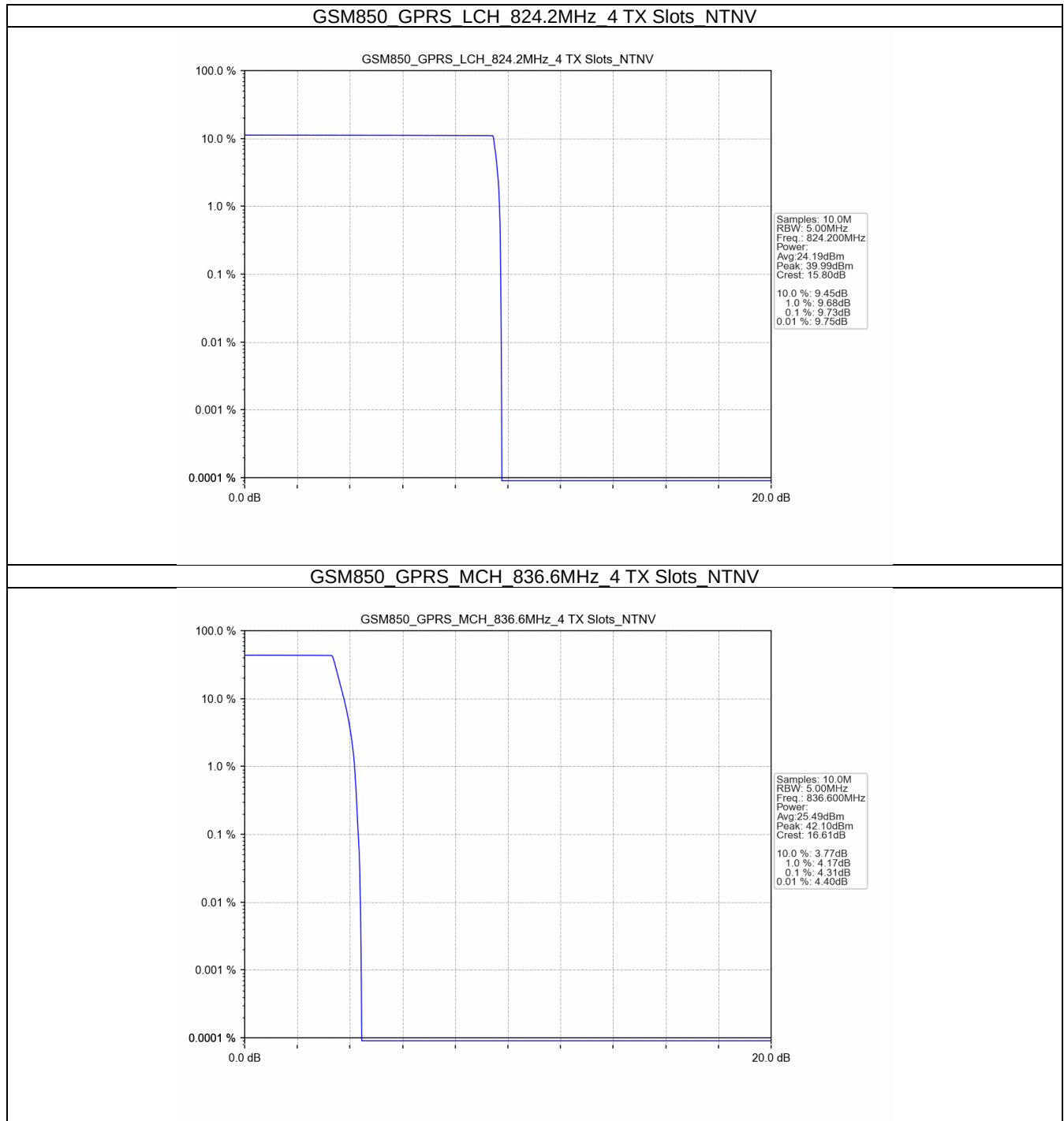
4.1 Test Result

4.1.1 GSM850

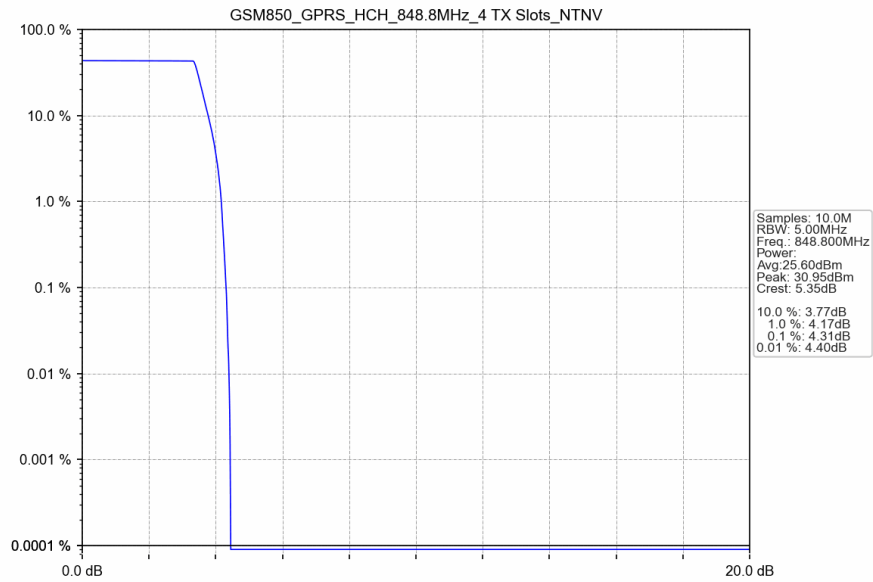
Band: GSM850						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	4 TX Slots	824.2	9.73	<=13	Pass
			836.6	4.31	<=13	Pass
			848.8	4.31	<=13	Pass
	EGPRS	4 TX Slots	824.2	9.01	<=13	Pass
			836.6	9.51	<=13	Pass
			848.8	9.18	<=13	Pass

4.2 Test Graph

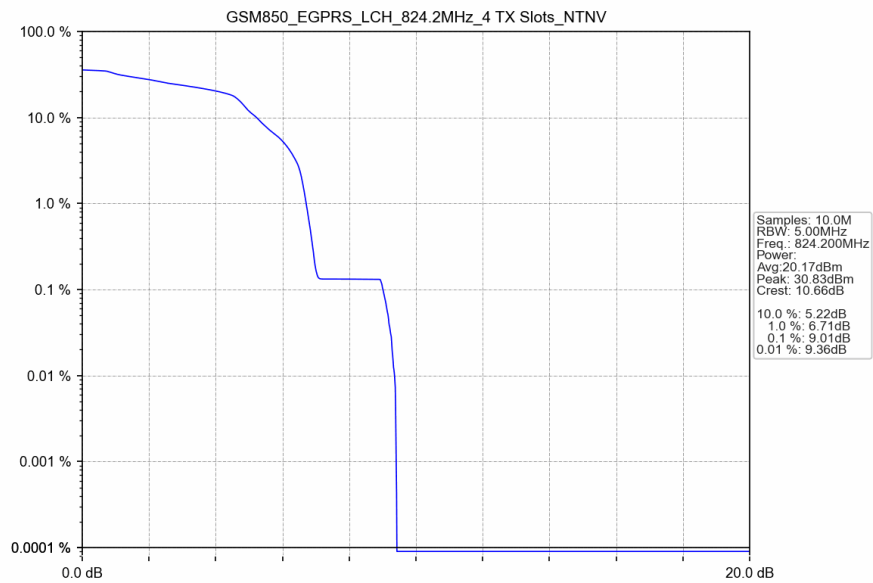
4.2.1 GSM850



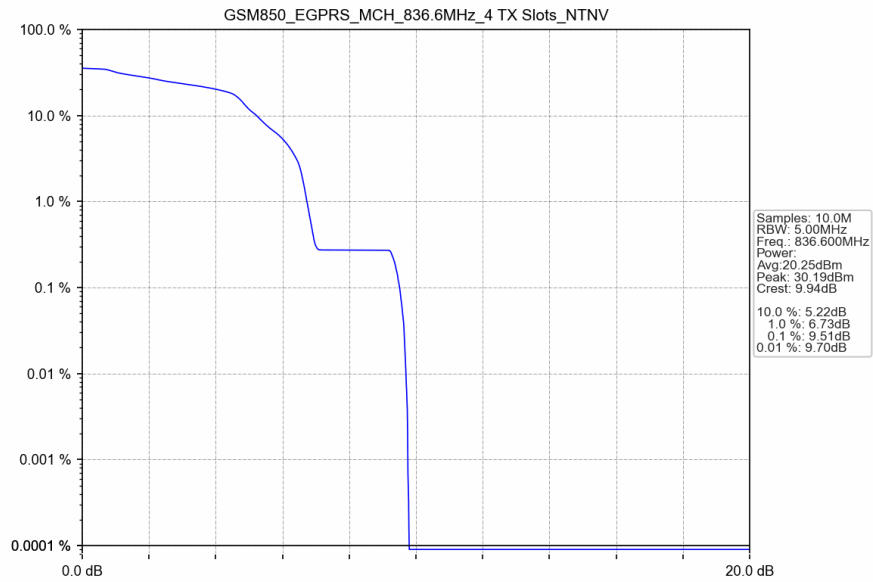
GSM850_GPRS_HCH_848.8MHz_4 TX Slots_NTNV



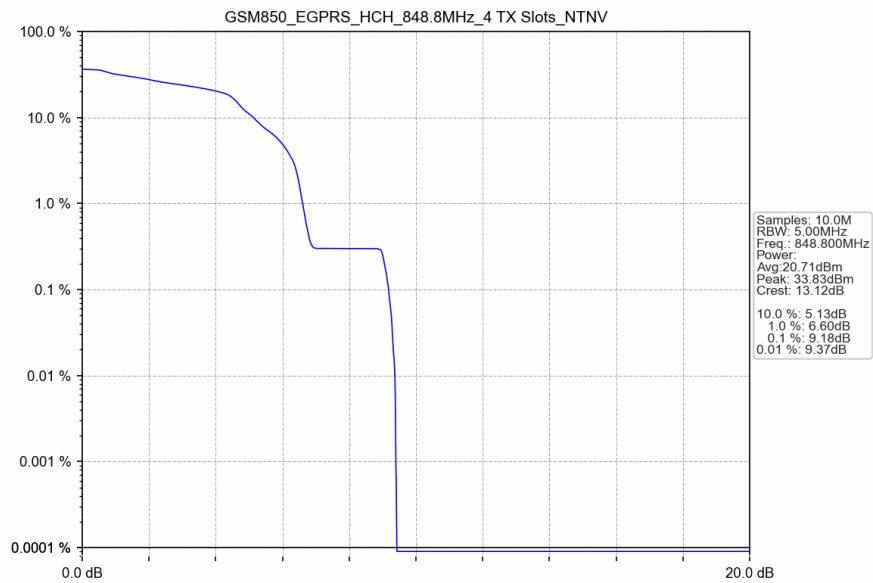
GSM850_EGPRS_LCH_824.2MHz_4 TX Slots_NTNV



GSM850_EGPRS_MCH_836.6MHz_4 TX Slots_NTNV



GSM850_EGPRS_HCH_848.8MHz_4 TX Slots_NTNV





5. Spurious Emission

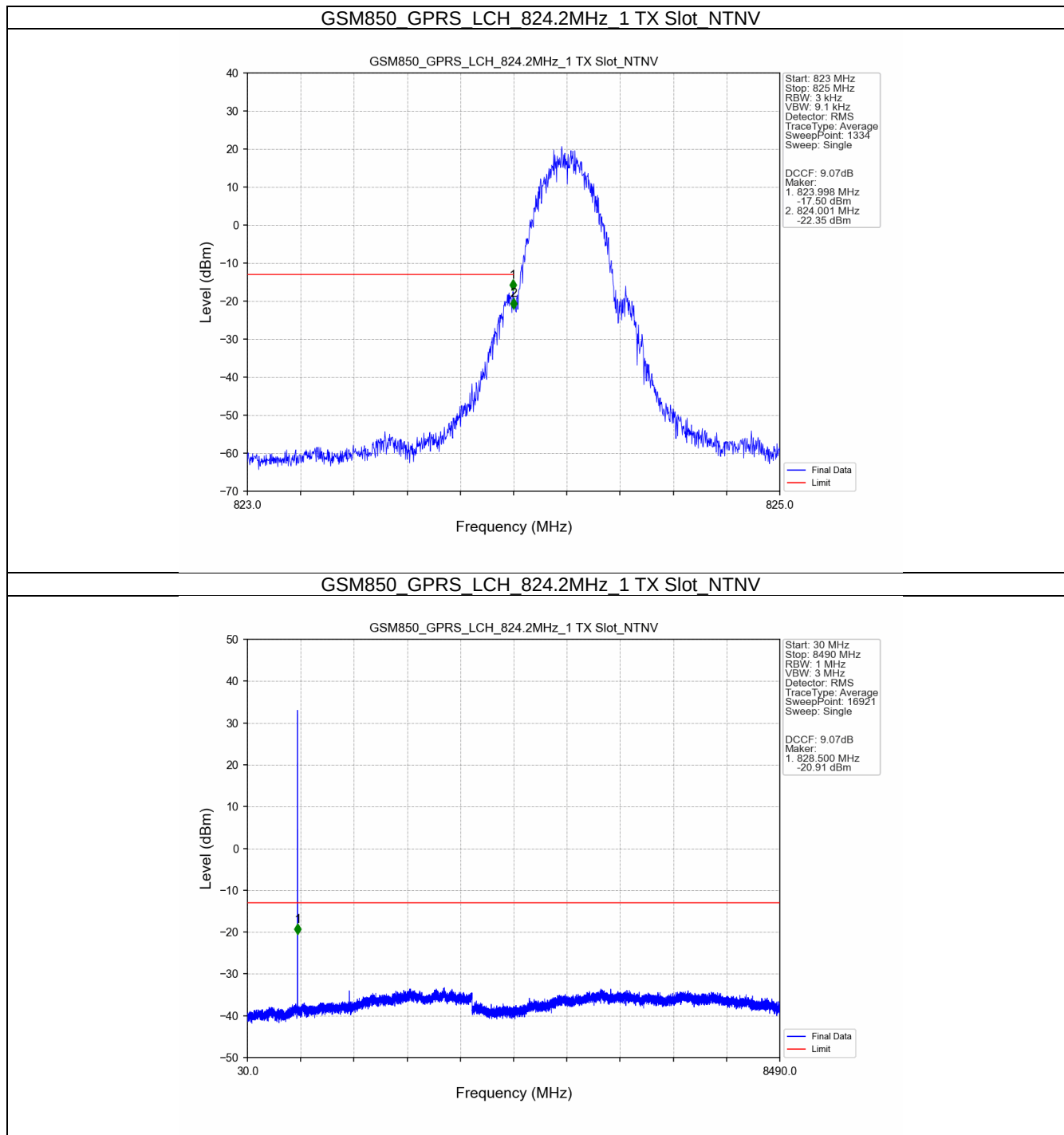
5.1 Test Result

5.1.1 GSM850

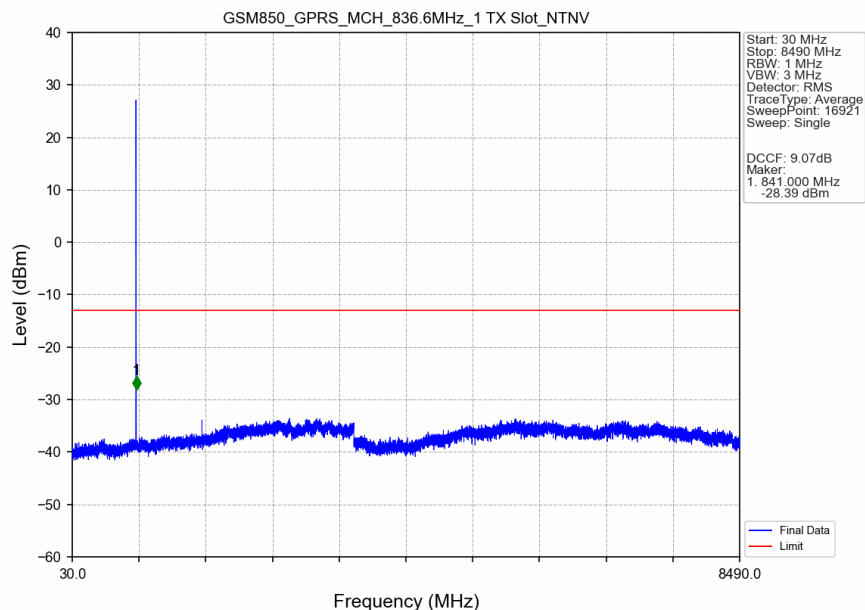
Band: GSM850					
ENV	Mode		Frequency (MHz)	Spurious Emission	
	Network	Subset		Result	Limit
NTNV	GPRS	1 TX Slot	824.2	Refer To Test Graph	Pass
			836.6	Refer To Test Graph	Pass
			848.8	Refer To Test Graph	Pass
	EGPRS	1 TX Slot	824.2	Refer To Test Graph	Pass
			836.6	Refer To Test Graph	Pass
			848.8	Refer To Test Graph	Pass

5.2 Test Graph

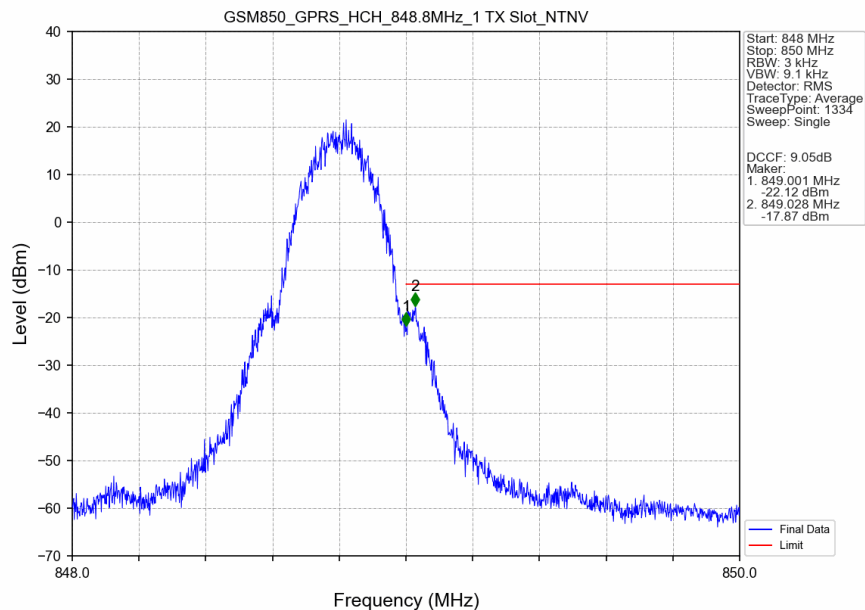
5.2.1 GSM850



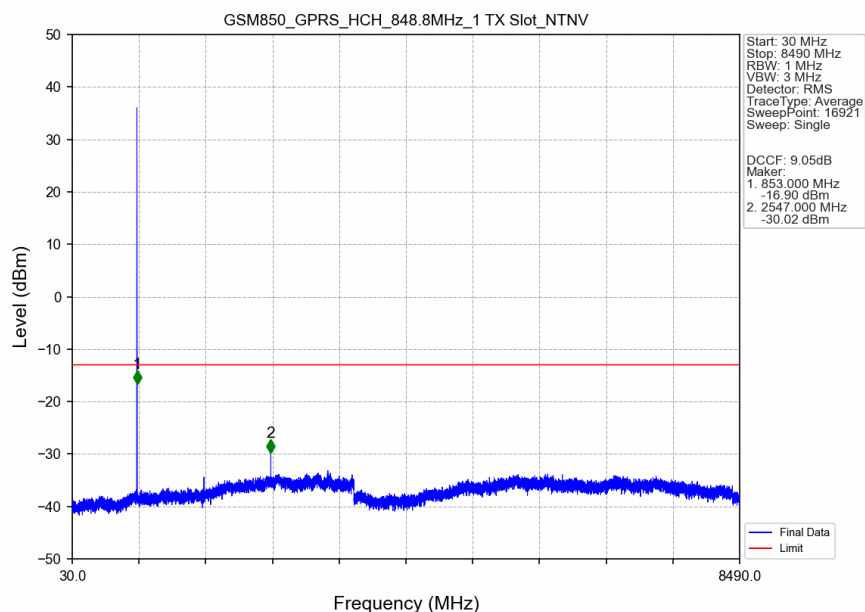
GSM850_GPRS_MCH_836.6MHz_1 TX Slot_NTNV



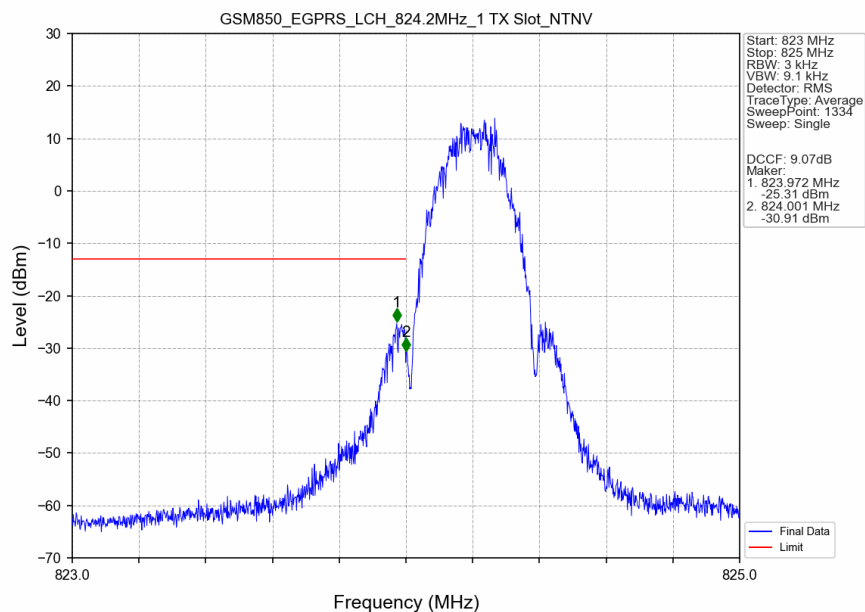
GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



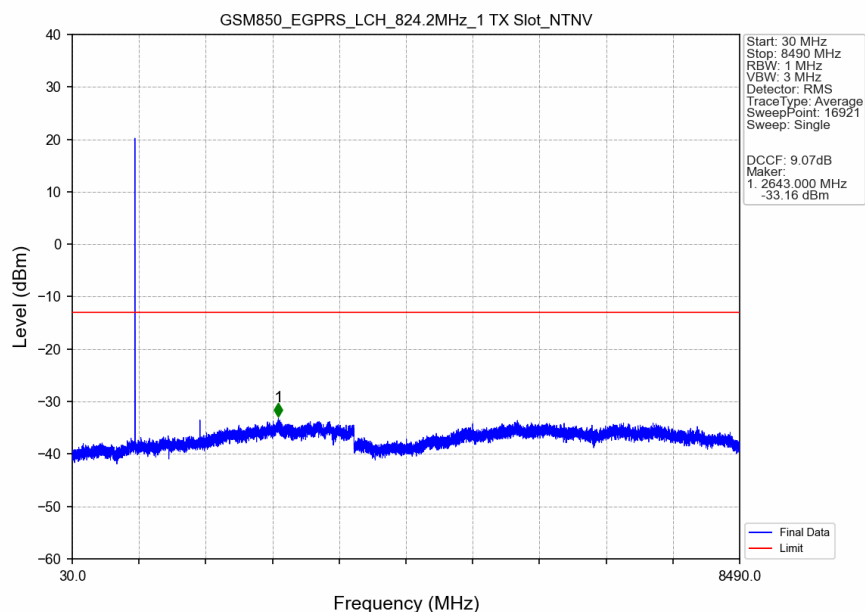
GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



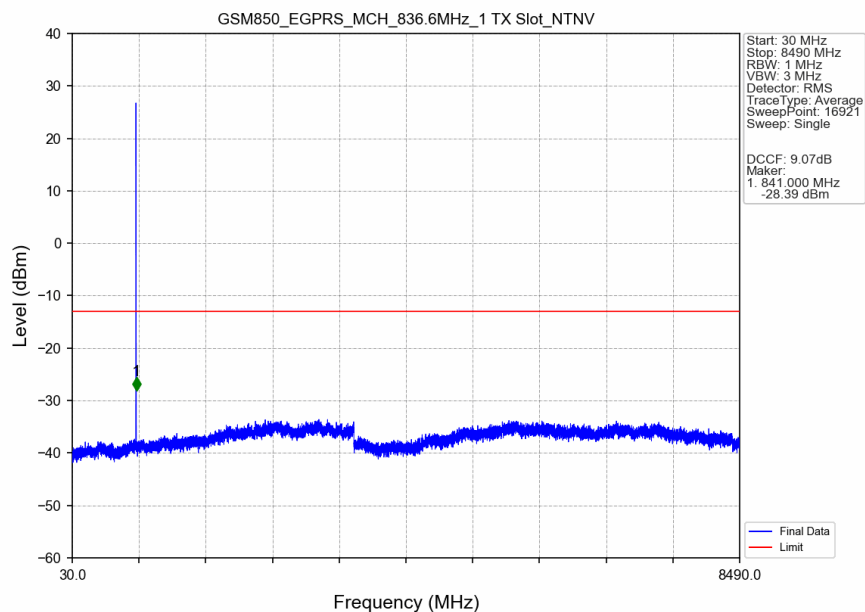
GSM850_EGPRS_LCH_824.2MHz_1 TX Slot_NTNV



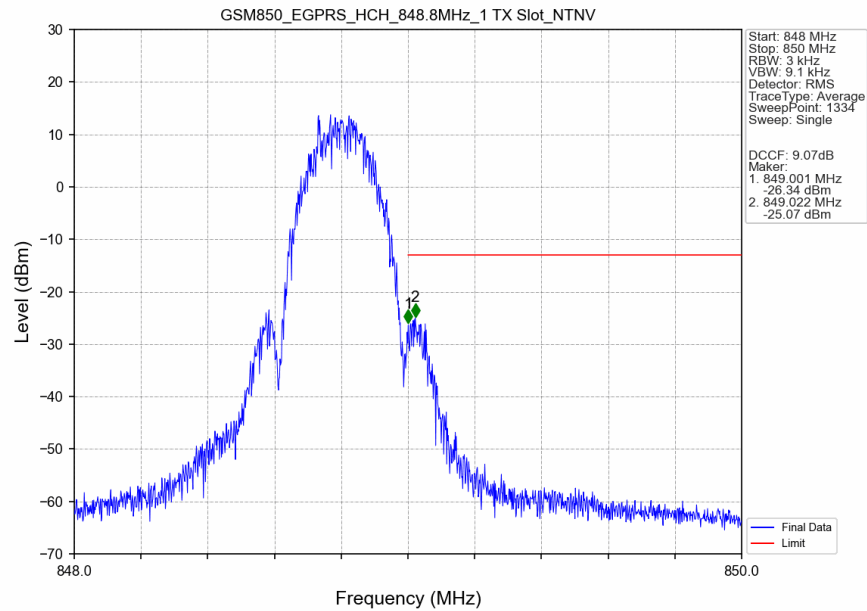
GSM850_EGPRS_LCH_824.2MHz_1 TX Slot_NTNV



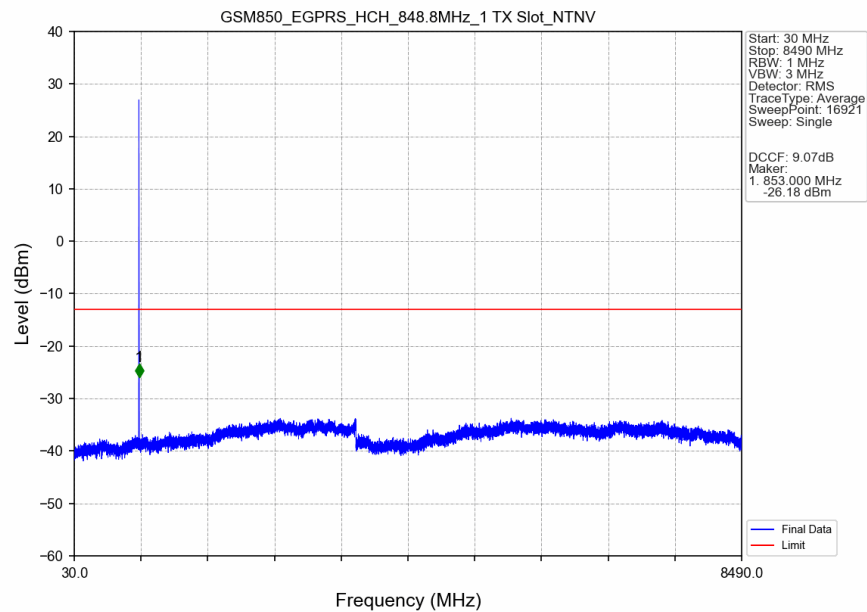
GSM850_EGPRS_MCH_836.6MHz_1 TX Slot_NTNV



GSM850_EGPRS_HCH_848.8MHz_1 TX Slot_NTNV



GSM850_EGPRS_HCH_848.8MHz_1 TX Slot_NTNV



- End of the Appendix -