

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

Report No.: FYCR2606000176AT

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	33.72	-0.66	30.91	<=38.45	Pass
		2 TX Slots	824.2	31.95	-0.66	29.14	<=38.45	Pass
		3 TX Slots	824.2	30.36	-0.66	27.55	<=38.45	Pass
		4 TX Slots	824.2	28.21	-0.66	25.40	<=38.45	Pass
		1 TX Slot	836.6	33.20	-0.66	30.39	<=38.45	Pass
		2 TX Slots	836.6	31.75	-0.66	28.94	<=38.45	Pass
		3 TX Slots	836.6	30.18	-0.66	27.37	<=38.45	Pass
		4 TX Slots	836.6	28.05	-0.66	25.24	<=38.45	Pass
		1 TX Slot	848.8	33.46	-0.66	30.65	<=38.45	Pass
		2 TX Slots	848.8	31.58	-0.66	28.77	<=38.45	Pass
		3 TX Slots	848.8	30.00	-0.66	27.19	<=38.45	Pass
		4 TX Slots	848.8	27.90	-0.66	25.09	<=38.45	Pass
	EGPRS	1 TX Slot	824.2	28.63	-0.66	25.82	<=38.45	Pass
		2 TX Slots	824.2	27.65	-0.66	24.84	<=38.45	Pass
		3 TX Slots	824.2	25.06	-0.66	22.25	<=38.45	Pass
		4 TX Slots	824.2	23.22	-0.66	20.41	<=38.45	Pass
		1 TX Slot	836.6	28.89	-0.66	26.08	<=38.45	Pass
		2 TX Slots	836.6	27.89	-0.66	25.08	<=38.45	Pass
		3 TX Slots	836.6	25.35	-0.66	22.54	<=38.45	Pass
		4 TX Slots	836.6	23.56	-0.66	20.75	<=38.45	Pass
		1 TX Slot	848.8	28.06	-0.66	25.25	<=38.45	Pass
		2 TX Slots	848.8	27.17	-0.66	24.36	<=38.45	Pass
		3 TX Slots	848.8	25.46	-0.66	22.65	<=38.45	Pass
		4 TX Slots	848.8	22.85	-0.66	20.04	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

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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	13.592	0.0165	-2.5 to 2.5	Pass
			NV	8.588	0.0104	-2.5 to 2.5	Pass
			HV	24.537	0.0298	-2.5 to 2.5	Pass
		-30	NV	11.332	0.0137	-2.5 to 2.5	Pass
		-20	NV	7.135	0.0087	-2.5 to 2.5	Pass
		-10	NV	9.266	0.0112	-2.5 to 2.5	Pass
		0	NV	7.555	0.0092	-2.5 to 2.5	Pass
		10	NV	4.617	0.0056	-2.5 to 2.5	Pass
		30	NV	5.327	0.0065	-2.5 to 2.5	Pass
		40	NV	4.391	0.0053	-2.5 to 2.5	Pass
		50	NV	5.941	0.0072	-2.5 to 2.5	Pass
	836.6	20	LV	5.779	0.0069	-2.5 to 2.5	Pass
			NV	4.359	0.0052	-2.5 to 2.5	Pass
			HV	5.101	0.0061	-2.5 to 2.5	Pass
		-30	NV	11.332	0.0135	-2.5 to 2.5	Pass
		-20	NV	10.783	0.0129	-2.5 to 2.5	Pass
		-10	NV	13.851	0.0166	-2.5 to 2.5	Pass
		0	NV	11.429	0.0137	-2.5 to 2.5	Pass
		10	NV	12.269	0.0147	-2.5 to 2.5	Pass
		30	NV	11.655	0.0139	-2.5 to 2.5	Pass
		40	NV	5.424	0.0065	-2.5 to 2.5	Pass
		50	NV	5.521	0.0066	-2.5 to 2.5	Pass
	848.8	20	LV	3.035	0.0036	-2.5 to 2.5	Pass
			NV	8.104	0.0095	-2.5 to 2.5	Pass
			HV	4.262	0.0050	-2.5 to 2.5	Pass
		-30	NV	2.099	0.0025	-2.5 to 2.5	Pass
		-20	NV	9.298	0.0110	-2.5 to 2.5	Pass
		-10	NV	2.518	0.0030	-2.5 to 2.5	Pass
		0	NV	9.137	0.0108	-2.5 to 2.5	Pass
		10	NV	2.518	0.0030	-2.5 to 2.5	Pass
		30	NV	1.840	0.0022	-2.5 to 2.5	Pass
		40	NV	1.485	0.0017	-2.5 to 2.5	Pass
		50	NV	5.037	0.0059	-2.5 to 2.5	Pass
EGPRS	824.2	20	LV	-1.231	-0.0015	-2.5 to 2.5	Pass
			NV	-2.759	-0.0033	-2.5 to 2.5	Pass
			HV	-3.272	-0.0040	-2.5 to 2.5	Pass
		-30	NV	0.996	0.0012	-2.5 to 2.5	Pass
		-20	NV	-0.015	0.0000	-2.5 to 2.5	Pass
		-10	NV	-0.549	-0.0007	-2.5 to 2.5	Pass
		0	NV	0.292	0.0004	-2.5 to 2.5	Pass
		10	NV	-0.550	-0.0007	-2.5 to 2.5	Pass

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		30	NV	-5.961	-0.0072	-2.5 to 2.5	Pass
		40	NV	-7.728	-0.0094	-2.5 to 2.5	Pass
		50	NV	-6.583	-0.0080	-2.5 to 2.5	Pass
	836.6	20	LV	-0.995	-0.0012	-2.5 to 2.5	Pass
			NV	-1.603	-0.0019	-2.5 to 2.5	Pass
			HV	2.226	0.0027	-2.5 to 2.5	Pass
		-30	NV	1.106	0.0013	-2.5 to 2.5	Pass
		-20	NV	4.076	0.0049	-2.5 to 2.5	Pass
		-10	NV	0.804	0.0010	-2.5 to 2.5	Pass
		0	NV	1.273	0.0015	-2.5 to 2.5	Pass
		10	NV	-3.323	-0.0040	-2.5 to 2.5	Pass
		30	NV	-4.111	-0.0049	-2.5 to 2.5	Pass
		40	NV	-1.231	-0.0015	-2.5 to 2.5	Pass
		50	NV	-2.172	-0.0026	-2.5 to 2.5	Pass
	848.8	20	LV	1.759	0.0021	-2.5 to 2.5	Pass
			NV	2.027	0.0024	-2.5 to 2.5	Pass
			HV	2.025	0.0024	-2.5 to 2.5	Pass
		-30	NV	1.140	0.0013	-2.5 to 2.5	Pass
		-20	NV	-1.738	-0.0020	-2.5 to 2.5	Pass
		-10	NV	3.241	0.0038	-2.5 to 2.5	Pass
		0	NV	0.135	0.0002	-2.5 to 2.5	Pass
		10	NV	0.061	0.0001	-2.5 to 2.5	Pass
		30	NV	-2.450	-0.0029	-2.5 to 2.5	Pass
		40	NV	-2.732	-0.0032	-2.5 to 2.5	Pass
		50	NV	-5.104	-0.0060	-2.5 to 2.5	Pass

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3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 GSM850_OBW

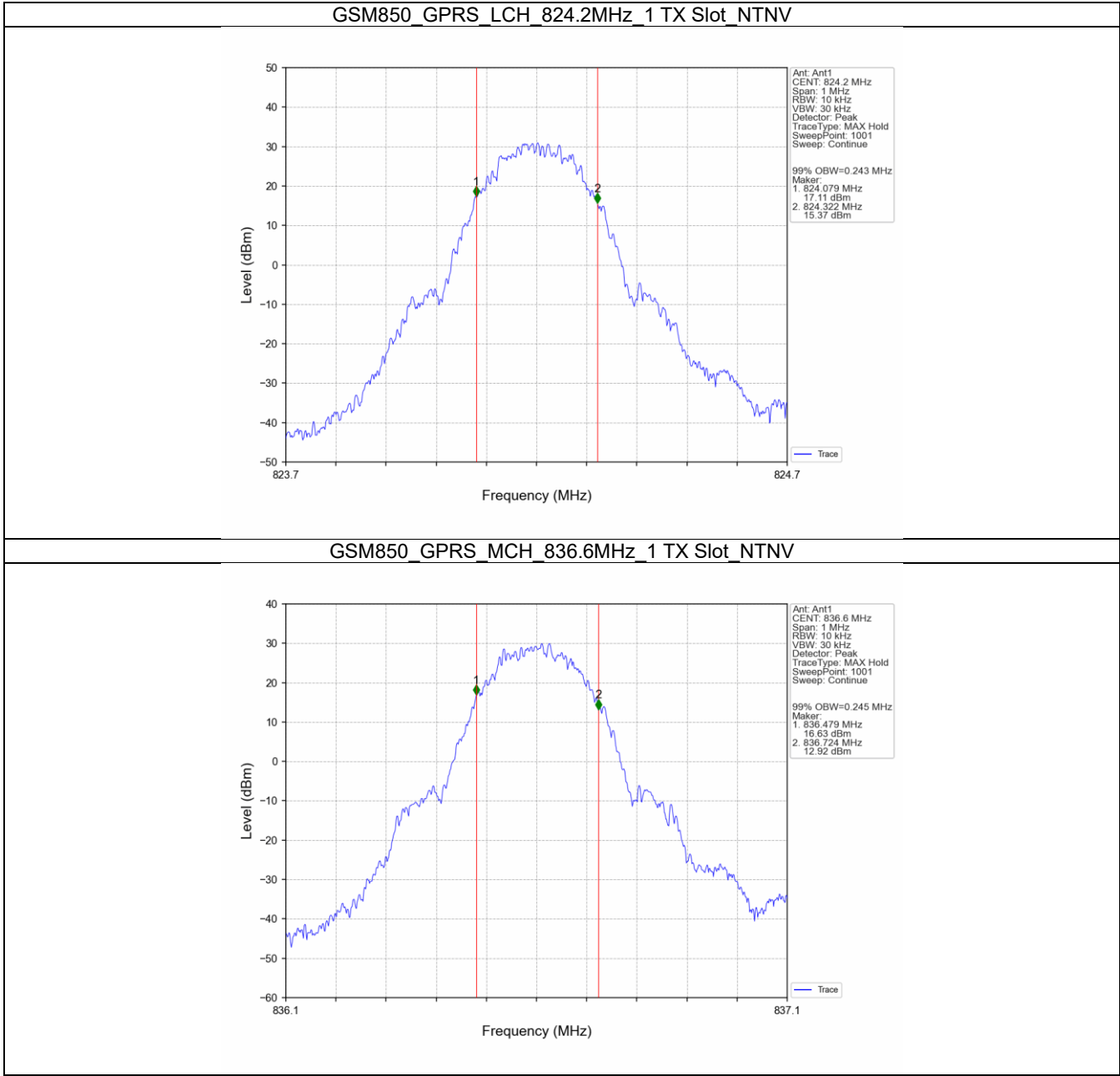
Band: GSM850						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	824.2	0.243	/	Pass
			836.6	0.245	/	Pass
			848.8	0.247	/	Pass
	EGPRS	1 TX Slot	824.2	0.256	/	Pass
			836.6	0.254	/	Pass
			848.8	0.242	/	Pass

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	0.314	/	Pass
			836.6	0.318	/	Pass
			848.8	0.310	/	Pass
	EGPRS	1 TX Slot	824.2	0.322	/	Pass
			836.6	0.318	/	Pass
			848.8	0.302	/	Pass

3.2 Test Graph

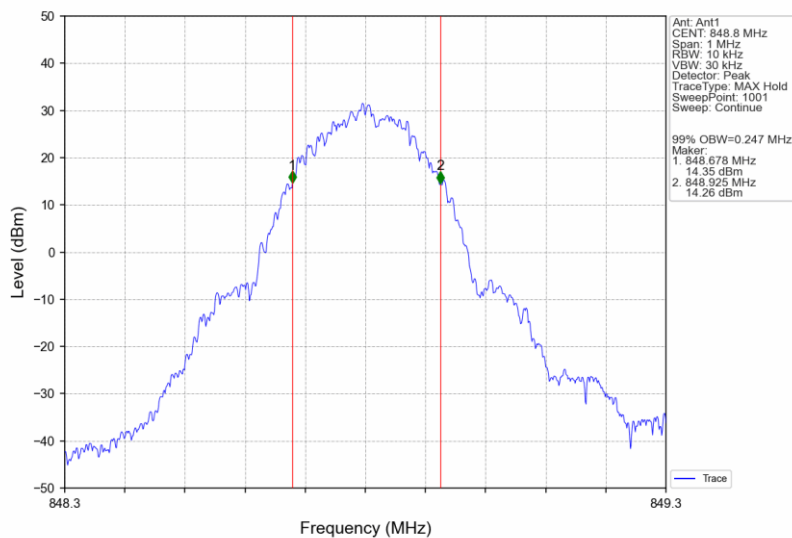
3.2.1 GSM850_OBW



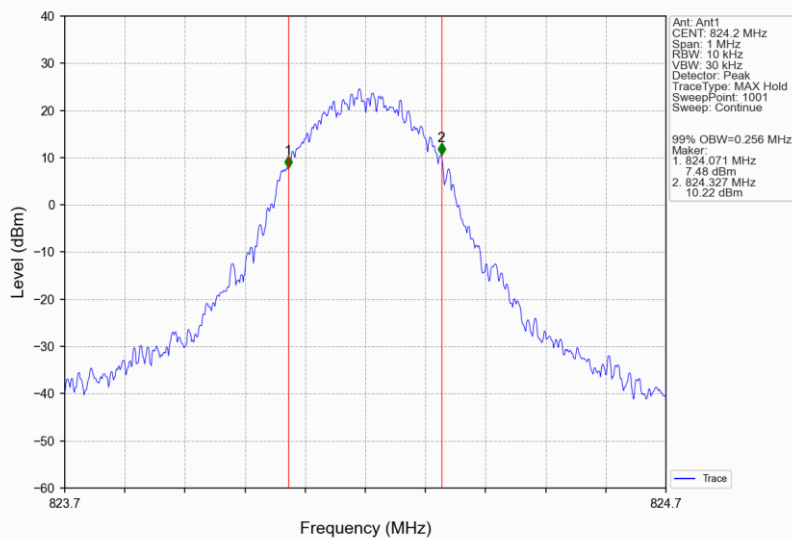
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GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



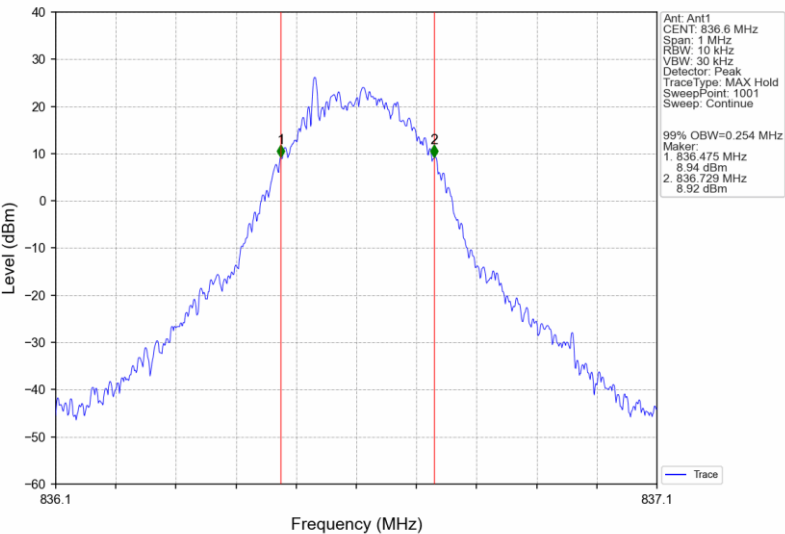
GSM850 EGPRS LCH_824.2MHz_1 TX Slot_NTNV



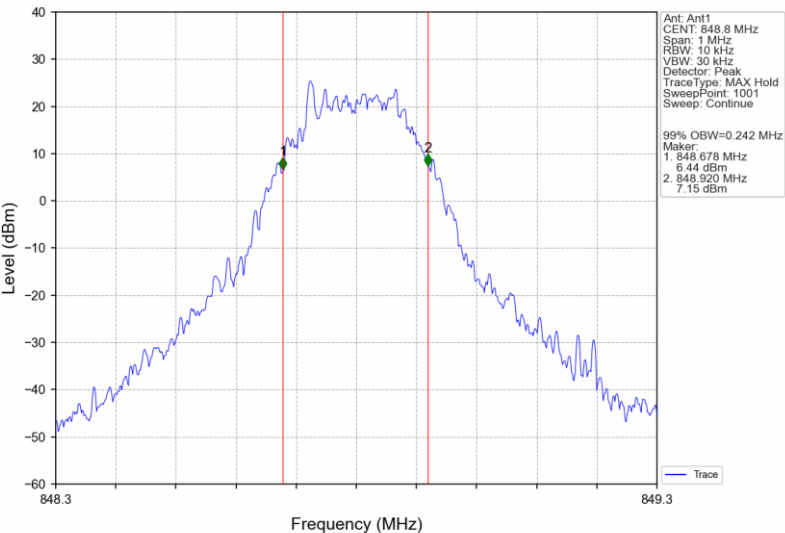
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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GSM850 EGPRS MCH 836.6MHz 1 TX Slot NTNV



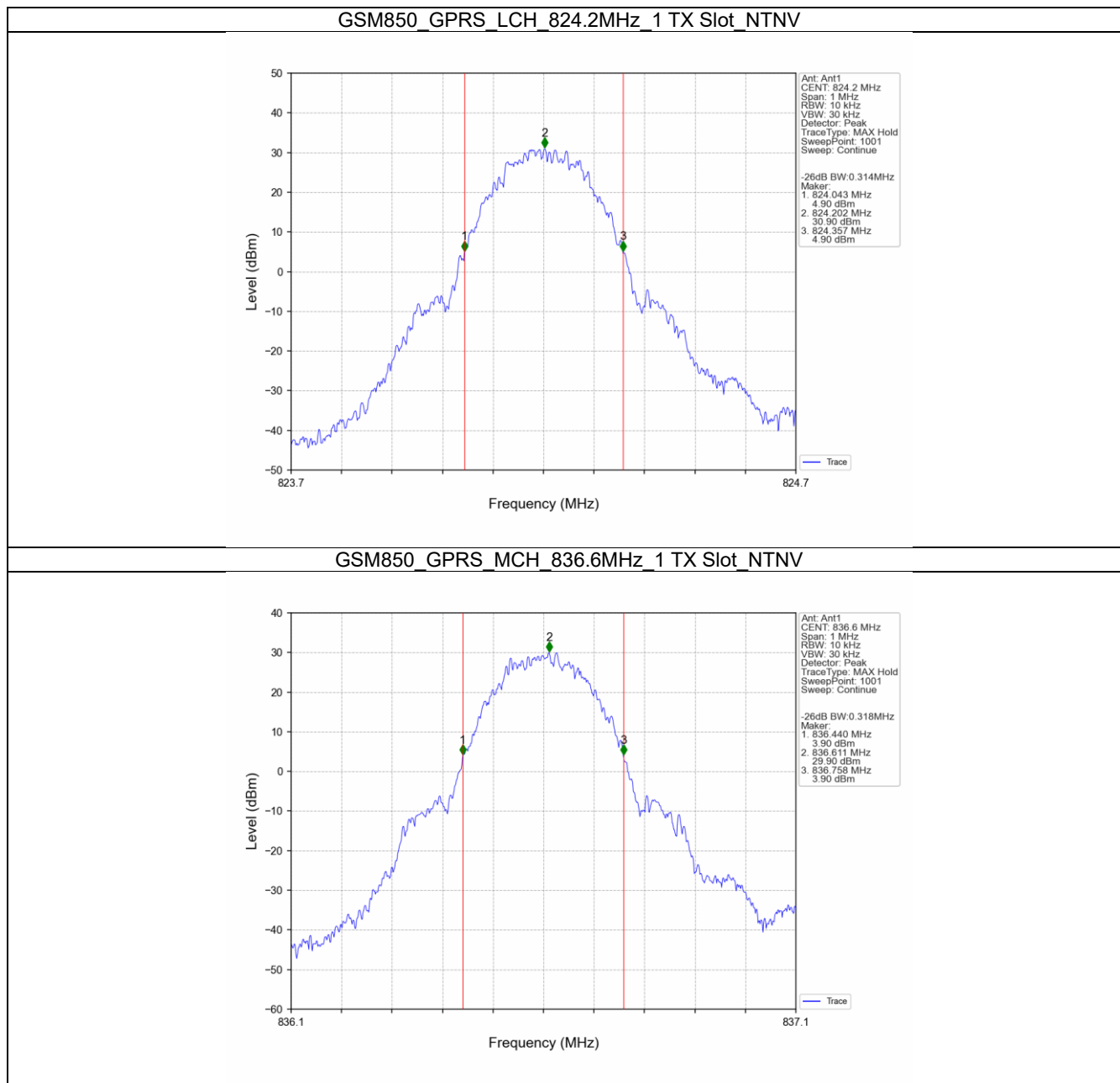
GSM850 EGPRS HCH 848.8MHz 1 TX Slot NTNV



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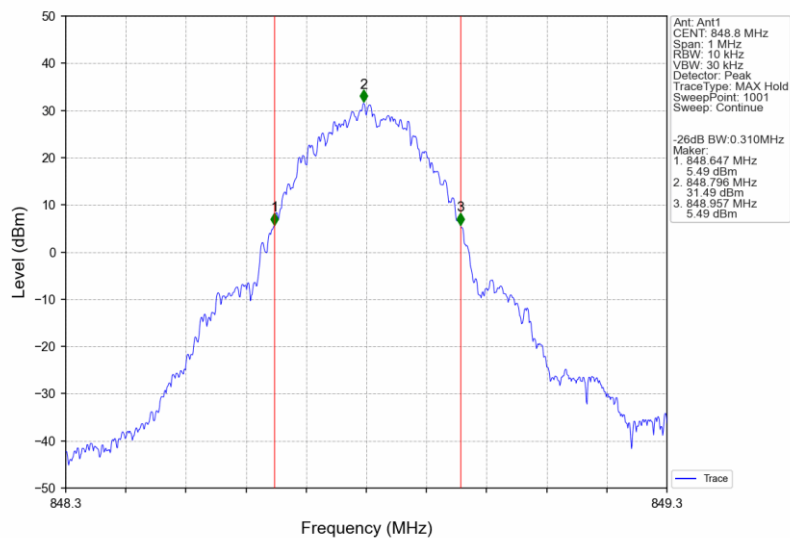
3.2.2 GSM850_XDB



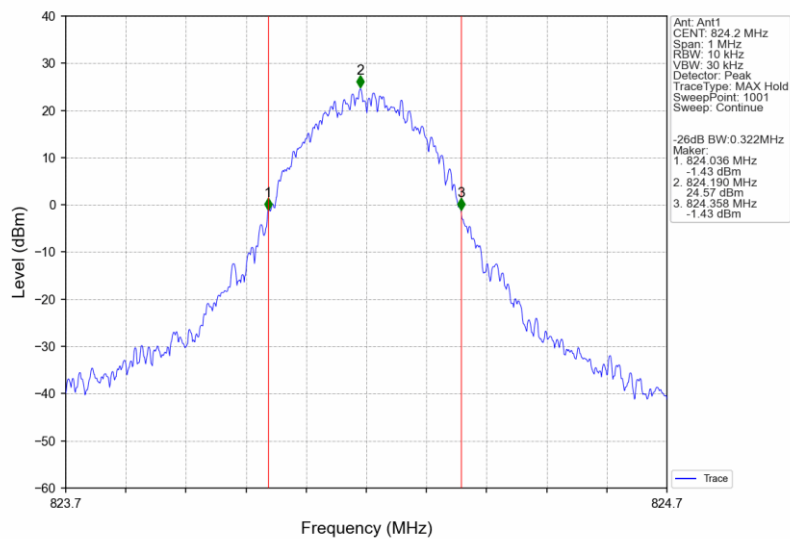
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

Report No.: FYCR2606000176AT

GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



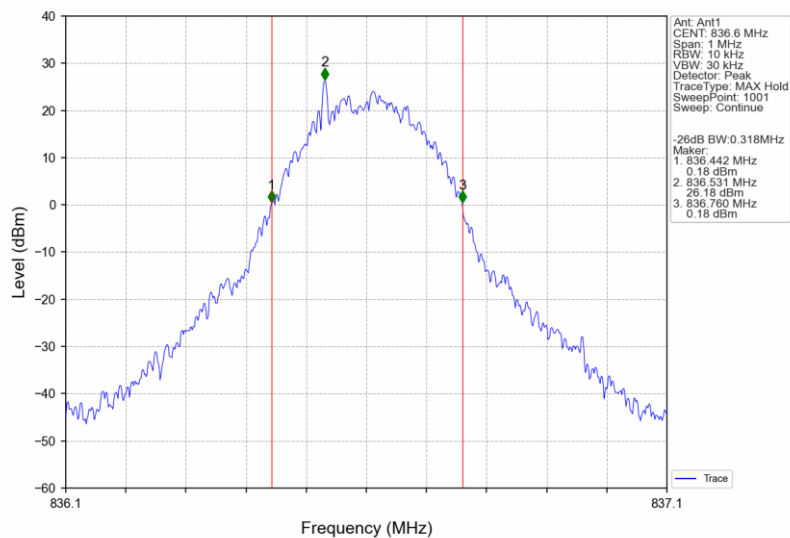
GSM850 EGPRS LCH 824.2MHz 1 TX Slot_NTNV



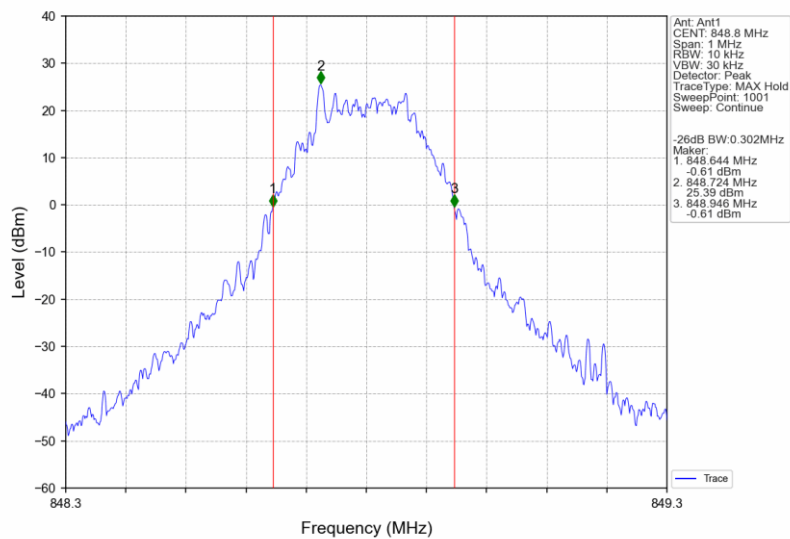
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Report No.: FYCR2606000176AT

GSM850 EGPRS MCH 836.6MHz 1 TX Slot NTNV



GSM850 EGPRS HCH 848.8MHz 1 TX Slot NTNV



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4. Peak-Average Ratio

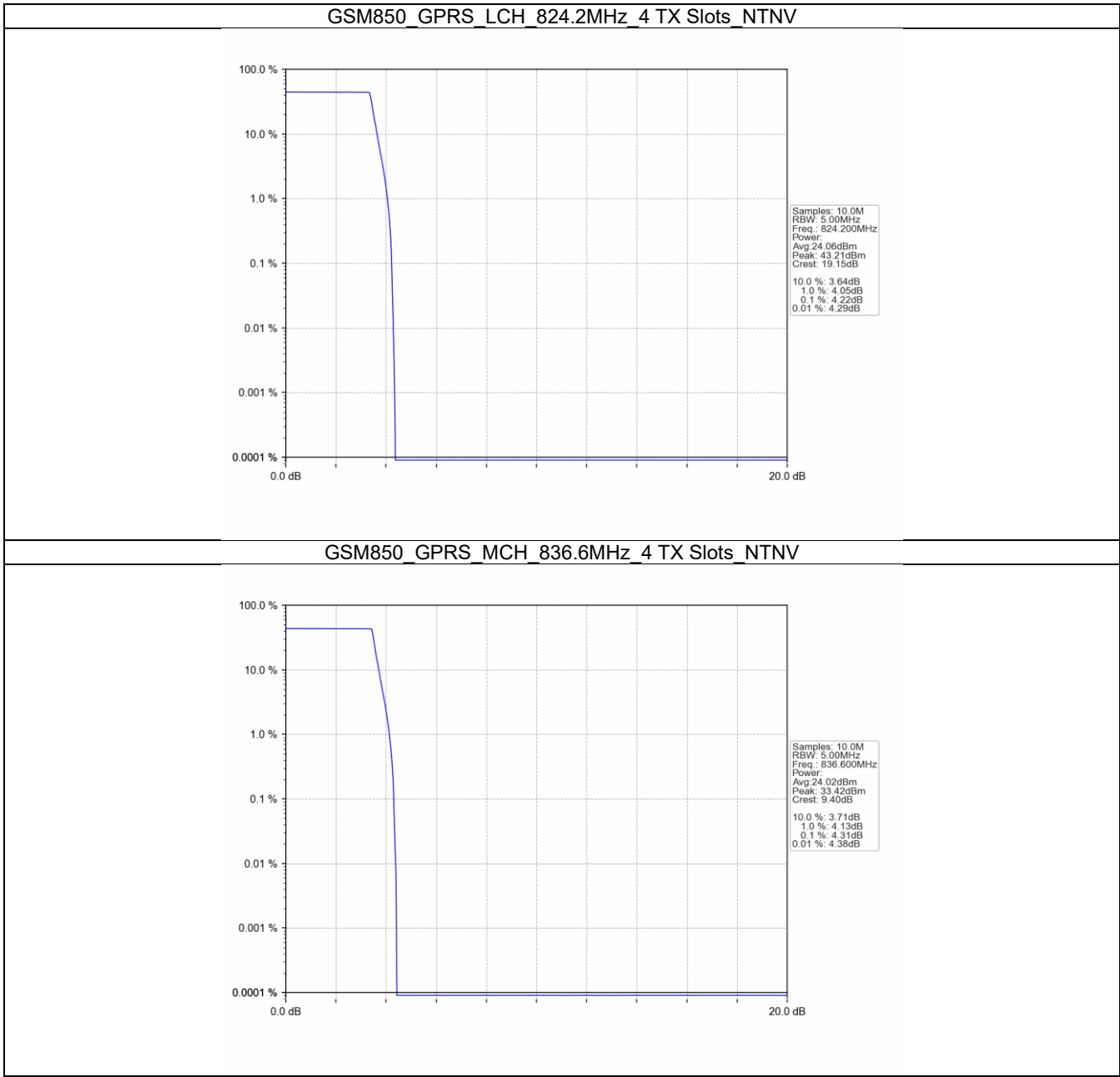
4.1 Test Result

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	4.22	<=13	Pass
			836.6	4.31	<=13	Pass
			848.8	4.14	<=13	Pass
	EGPRS	4 TX Slots	824.2	8.70	<=13	Pass
			836.6	9.02	<=13	Pass
			848.8	9.10	<=13	Pass

4.2 Test Graph

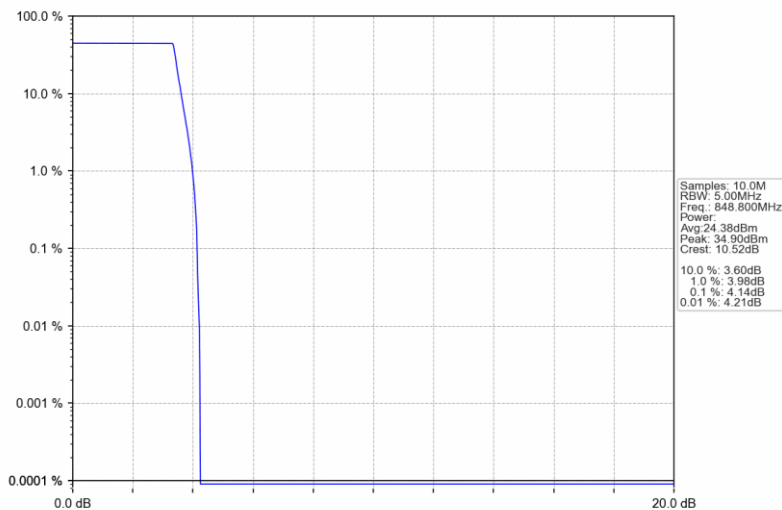
4.2.1 GSM850



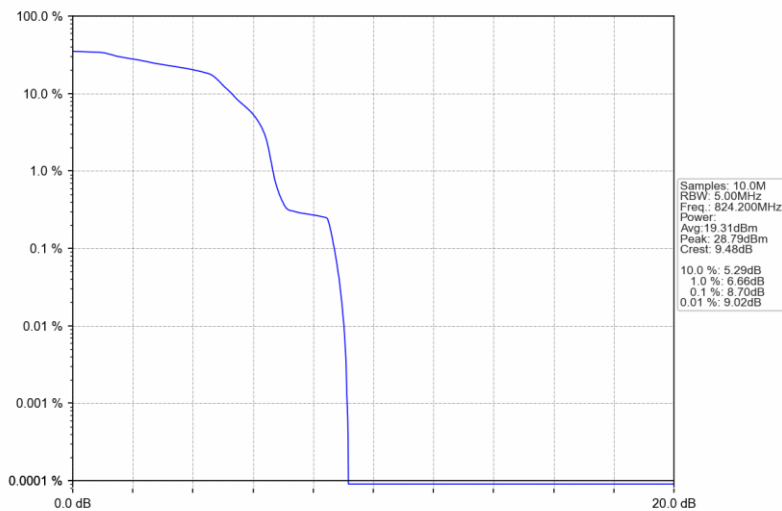
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GSM850 GPRS HCH 848.8MHz 4 TX Slots NTNV



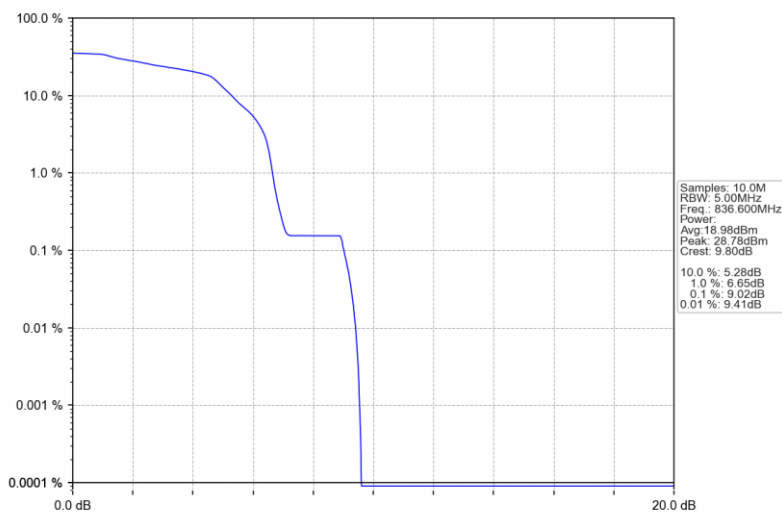
GSM850 EGPRS LCH 824.2MHz 4 TX Slots NTNV



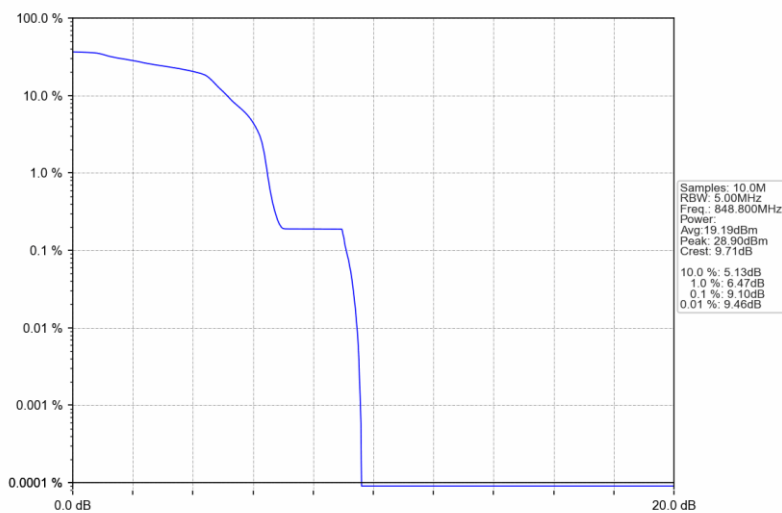
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GSM850_EGPRS_MCH_836.6MHz_4 TX Slots_NTNV



GSM850_EGPRS_HCH_848.8MHz_4 TX Slots_NTNV



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5. Spurious Emission

5.1 Test Result

5.1.1 GSM850

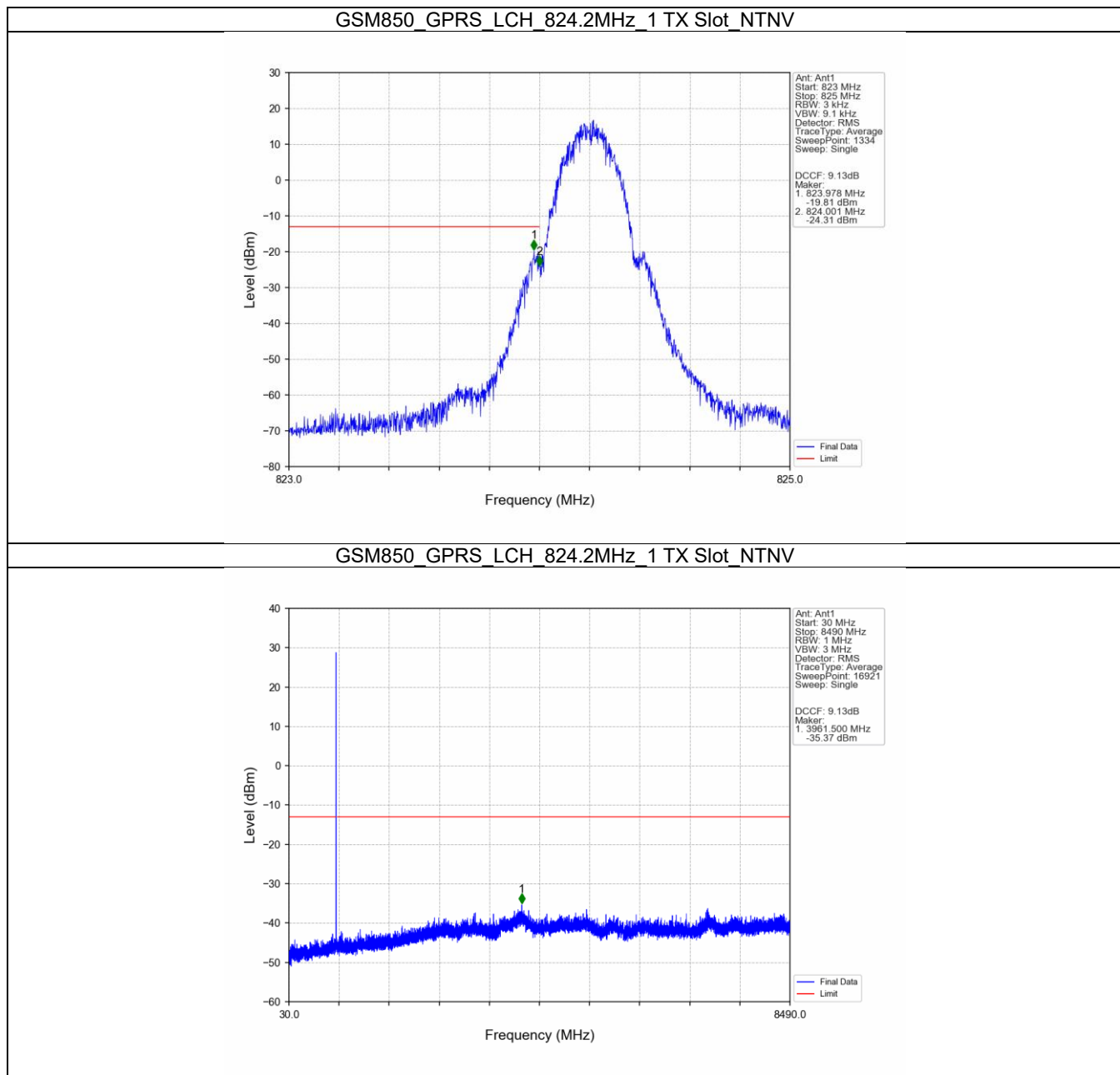
Band: GSM850						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	824.2	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			848.8	Refer To Test Graph		Pass
	EGPRS	1 TX Slot	824.2	Refer To Test Graph		Pass
			836.6	Refer To Test Graph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

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5.2 Test Graph

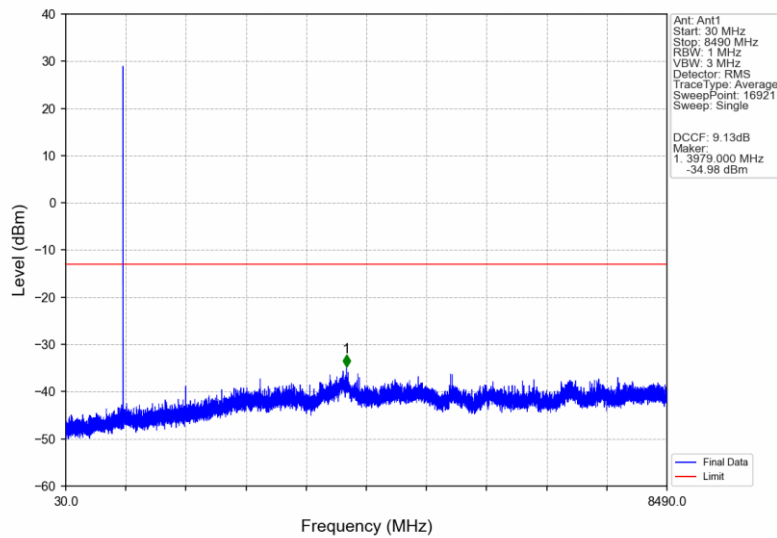
5.2.1 GSM850



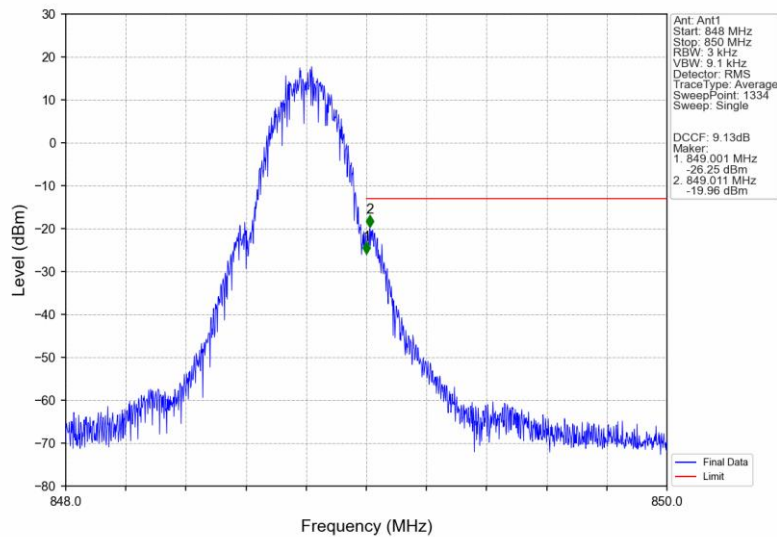
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GSM850_GPRS_MCH_836.6MHz_1 TX Slot_NTNV



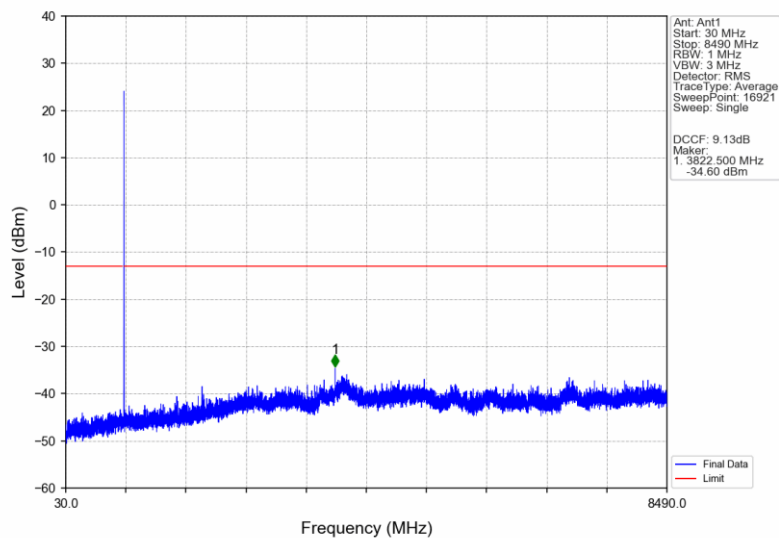
GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



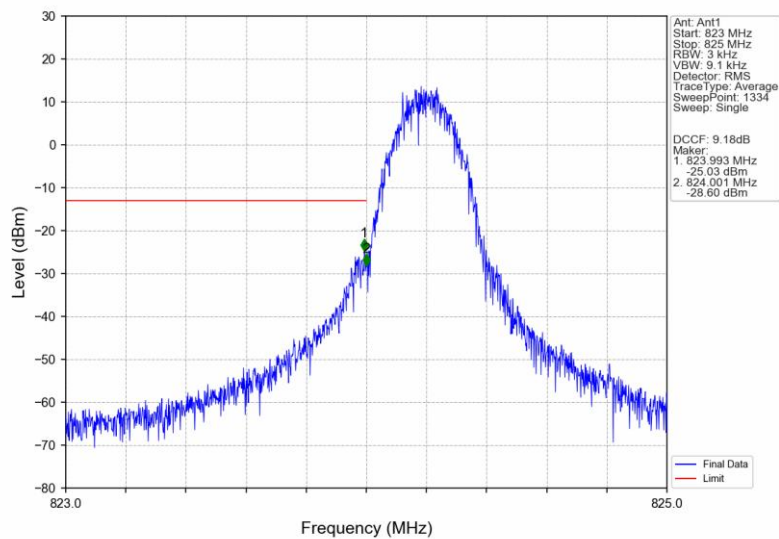
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GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



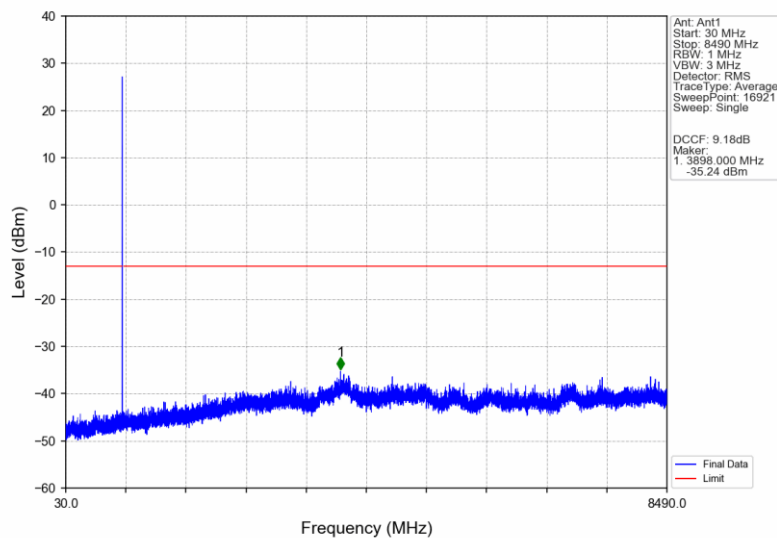
GSM850 EGPRS LCH 824.2MHz_1 TX Slot_NTNV



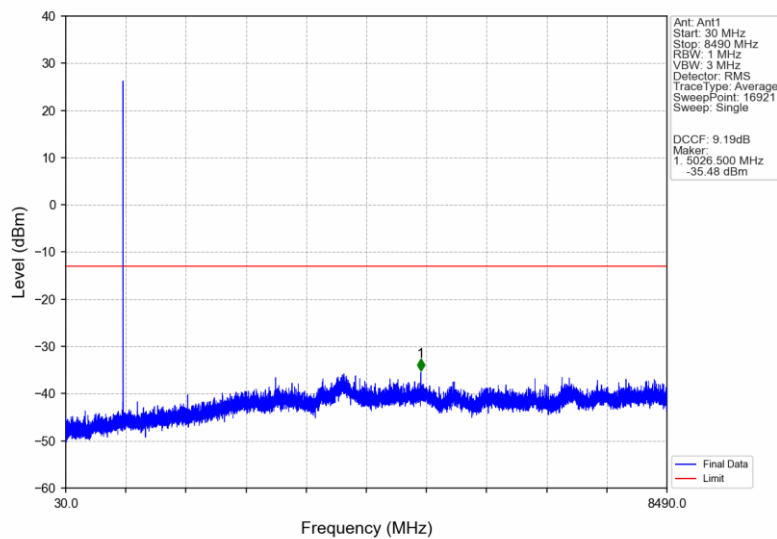
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GSM850 EGPRS LCH 824.2MHz 1 TX Slot NTNV



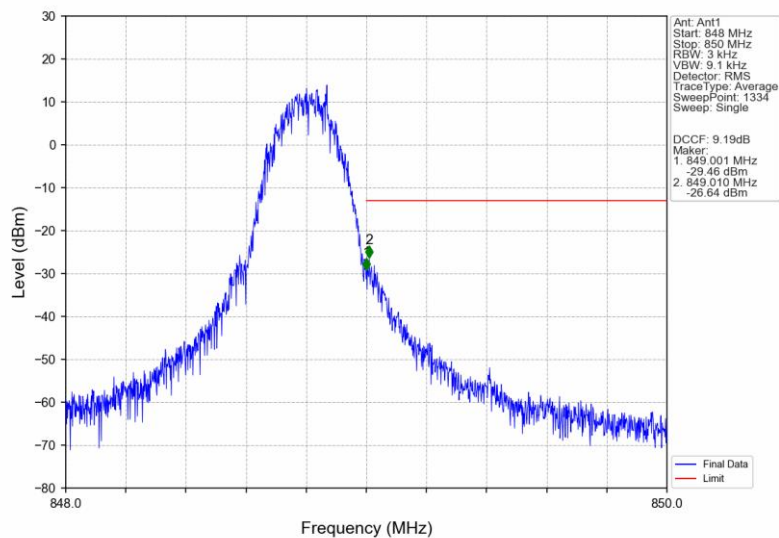
GSM850 EGPRS MCH 836.6MHz 1 TX Slot NTNV



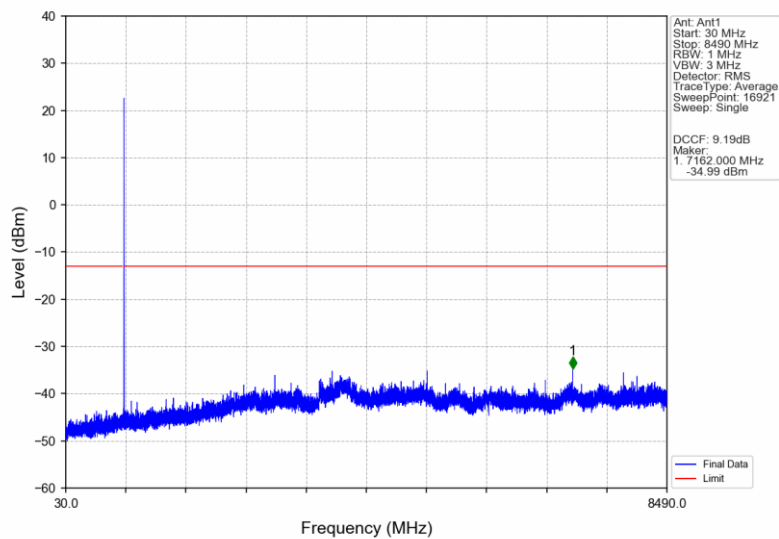
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

Report No.: FYCR2606000176AT

GSM850_EGPRS_HCH_848.8MHz_1 TX Slot_NTNV



GSM850_EGPRS_HCH_848.8MHz_1 TX Slot_NTNV



- End of the Appendix -