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	32.97	-3.23	27.59	<=38.45	Pass
		2 TX Slots	824.2	31.52	-3.23	26.14	<=38.45	Pass
		3 TX Slots	824.2	29.37	-3.23	23.99	<=38.45	Pass
		4 TX Slots	824.2	27.10	-3.23	21.72	<=38.45	Pass
		1 TX Slot	836.6	32.79	-3.23	27.41	<=38.45	Pass
		2 TX Slots	836.6	31.36	-3.23	25.98	<=38.45	Pass
		3 TX Slots	836.6	29.34	-3.23	23.96	<=38.45	Pass
		4 TX Slots	836.6	27.20	-3.23	21.82	<=38.45	Pass
		1 TX Slot	848.8	32.38	-3.23	27.00	<=38.45	Pass
		2 TX Slots	848.8	30.89	-3.23	25.51	<=38.45	Pass
		3 TX Slots	848.8	29.00	-3.23	23.62	<=38.45	Pass
		4 TX Slots	848.8	26.92	-3.23	21.54	<=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	
GPRS	824.2	20	3.4	-6.297	-0.0076	-2.5 to 2.5	Pass
			3.7	-9.122	-0.0111	-2.5 to 2.5	Pass
			4.2	-6.877	-0.0083	-2.5 to 2.5	Pass
		-30	3.7	-7.884	-0.0096	-2.5 to 2.5	Pass
		-20	3.7	-6.304	-0.0076	-2.5 to 2.5	Pass
		-10	3.7	-7.280	-0.0088	-2.5 to 2.5	Pass
		0	3.7	-8.307	-0.0101	-2.5 to 2.5	Pass
		10	3.7	-5.736	-0.0070	-2.5 to 2.5	Pass
		30	3.7	-8.020	-0.0097	-2.5 to 2.5	Pass
		40	3.7	-5.736	-0.0070	-2.5 to 2.5	Pass
		50	3.7	-5.270	-0.0064	-2.5 to 2.5	Pass
	836.6	20	3.4	-9.202	-0.0110	-2.5 to 2.5	Pass
			3.7	-6.406	-0.0077	-2.5 to 2.5	Pass
			4.2	-8.653	-0.0103	-2.5 to 2.5	Pass
		-30	3.7	-10.854	-0.0130	-2.5 to 2.5	Pass
		-20	3.7	-12.229	-0.0146	-2.5 to 2.5	Pass
		-10	3.7	-9.355	-0.0112	-2.5 to 2.5	Pass
		0	3.7	-10.274	-0.0123	-2.5 to 2.5	Pass
		10	3.7	-11.413	-0.0136	-2.5 to 2.5	Pass
		30	3.7	-8.651	-0.0103	-2.5 to 2.5	Pass
		40	3.7	-9.343	-0.0112	-2.5 to 2.5	Pass
		50	3.7	-7.573	-0.0091	-2.5 to 2.5	Pass
	848.8	20	3.4	-5.328	-0.0063	-2.5 to 2.5	Pass

			3.7	-10.330	-0.0122	-2.5 to 2.5	Pass
			4.2	-10.098	-0.0119	-2.5 to 2.5	Pass
		-30	3.7	-7.787	-0.0092	-2.5 to 2.5	Pass
		-20	3.7	-10.202	-0.0120	-2.5 to 2.5	Pass
		-10	3.7	-11.744	-0.0138	-2.5 to 2.5	Pass
		0	3.7	-6.634	-0.0078	-2.5 to 2.5	Pass
		10	3.7	-5.775	-0.0068	-2.5 to 2.5	Pass
		30	3.7	-13.466	-0.0159	-2.5 to 2.5	Pass
		40	3.7	-10.177	-0.0120	-2.5 to 2.5	Pass
		50	3.7	-5.852	-0.0069	-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	0.238	/	Pass
			836.6	0.238	/	Pass
			848.8	0.234	/	Pass

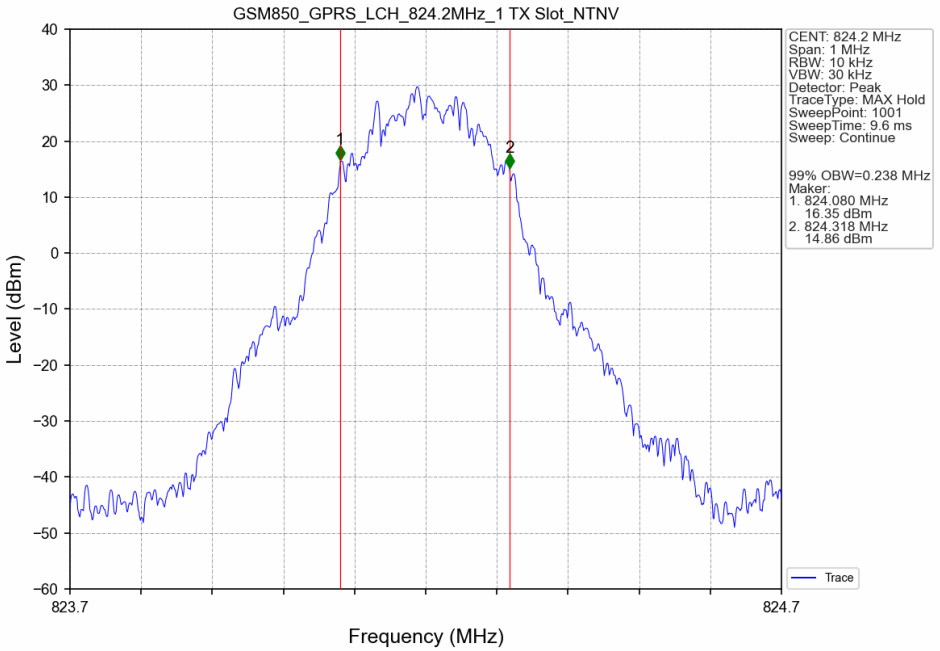
3.1.2 GSM850_XDB

Band: GSM850						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	824.2	0.288	/	Pass
			836.6	0.304	/	Pass
			848.8	0.304	/	Pass

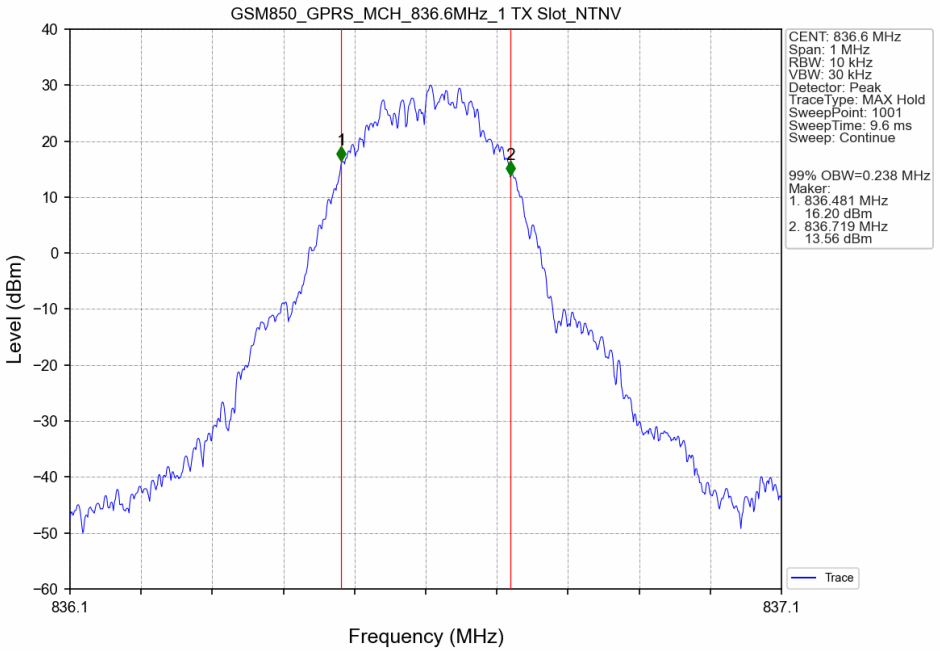
3.2 Test Graph

3.2.1 GSM850_OBW

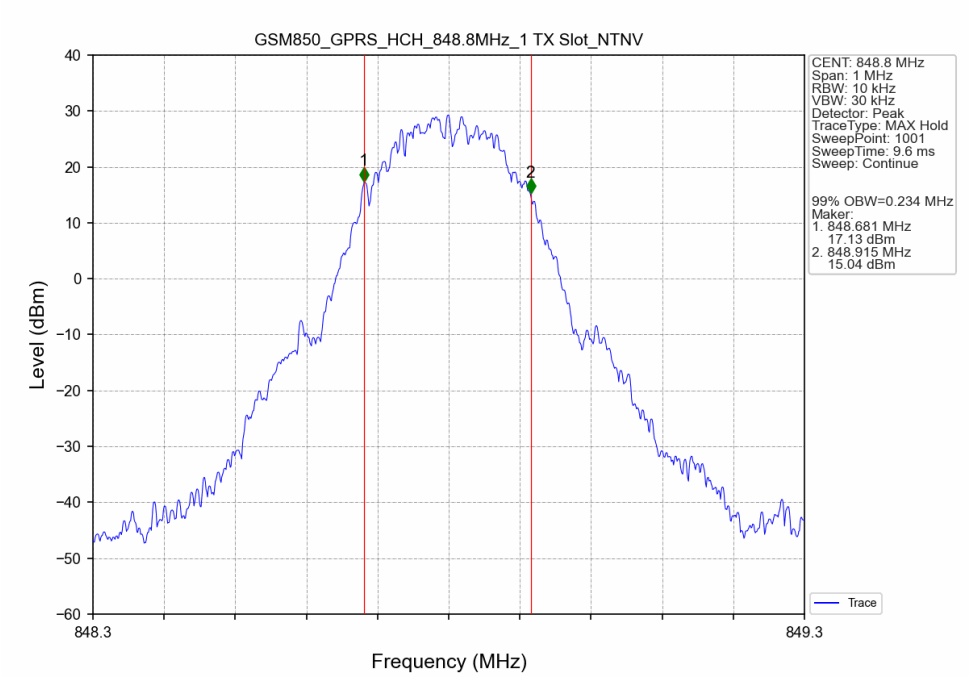
GSM850_GPRS_LCH_824.2MHz_1 TX Slot_NTNV



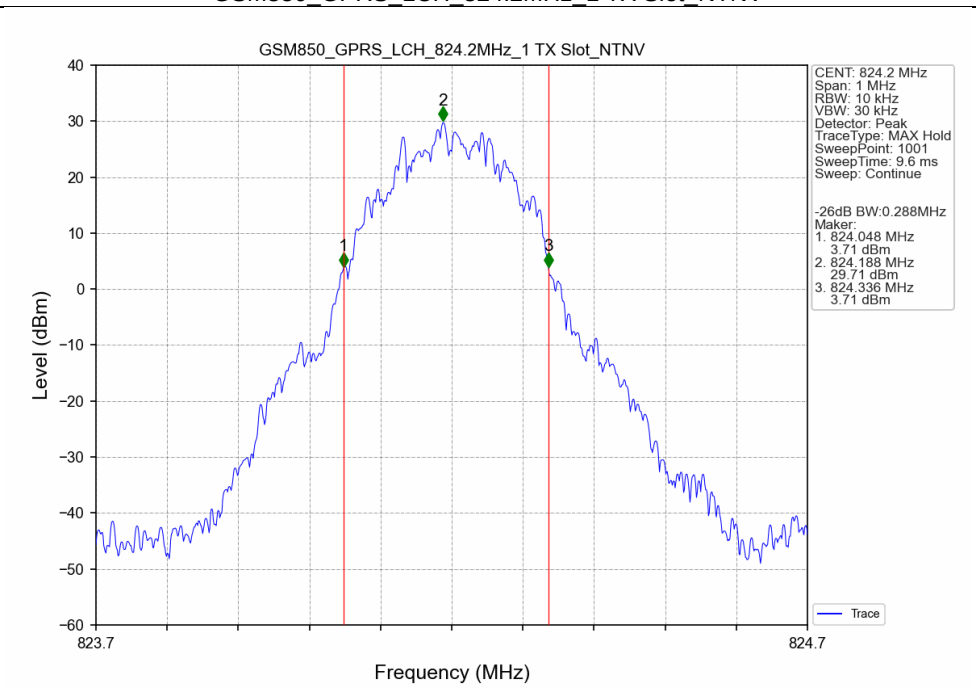
GSM850_GPRS_MCH_836.6MHz_1 TX Slot_NTNV

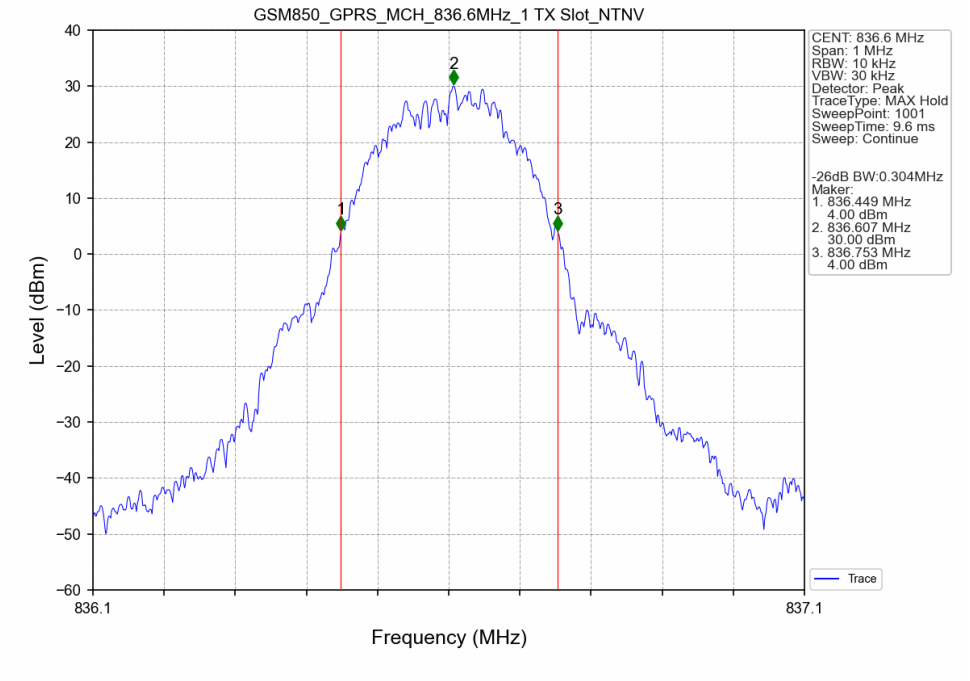


GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV

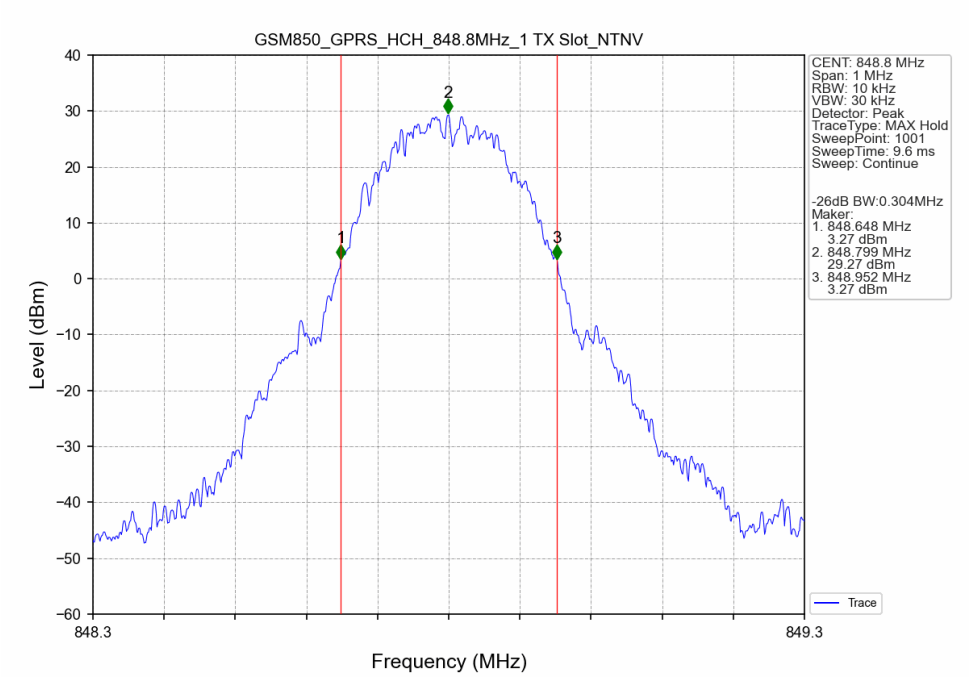


3.2.2 GSM850_XDB

GSM850_GPRS_LCH_824.2MHz_1 TX Slot_NTNV


GSM850_GPRS_MCH_836.6MHz_1 TX Slot_NTNV


GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



4. Peak-Average Ratio

4.1 Test Result

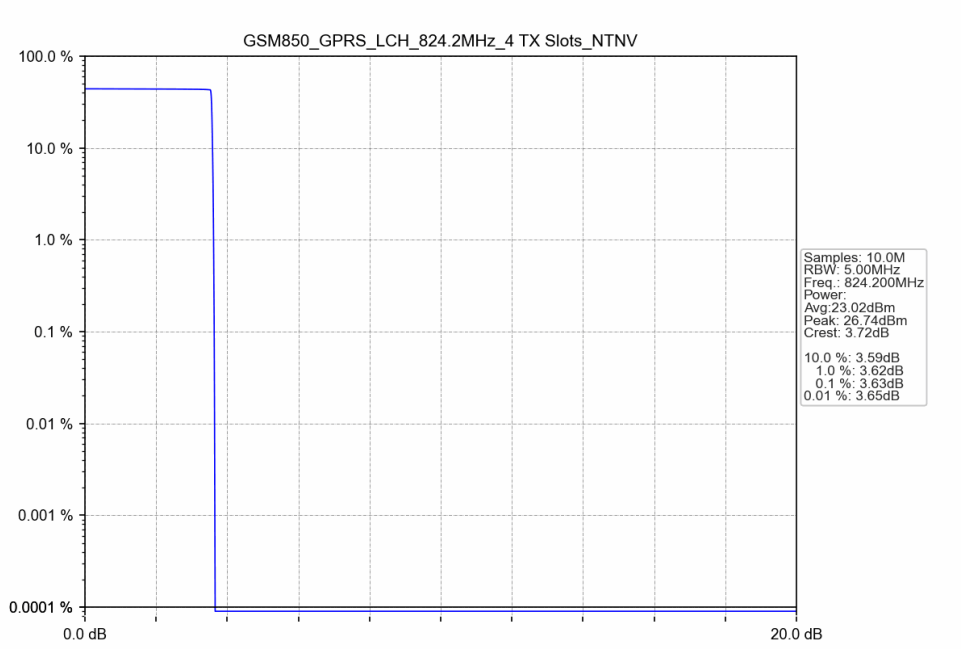
4.1.1 GSM850

Band: GSM850						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	4 TX Slots	824.2	3.63	<=13	Pass
			836.6	3.58	<=13	Pass
			848.8	3.60	<=13	Pass

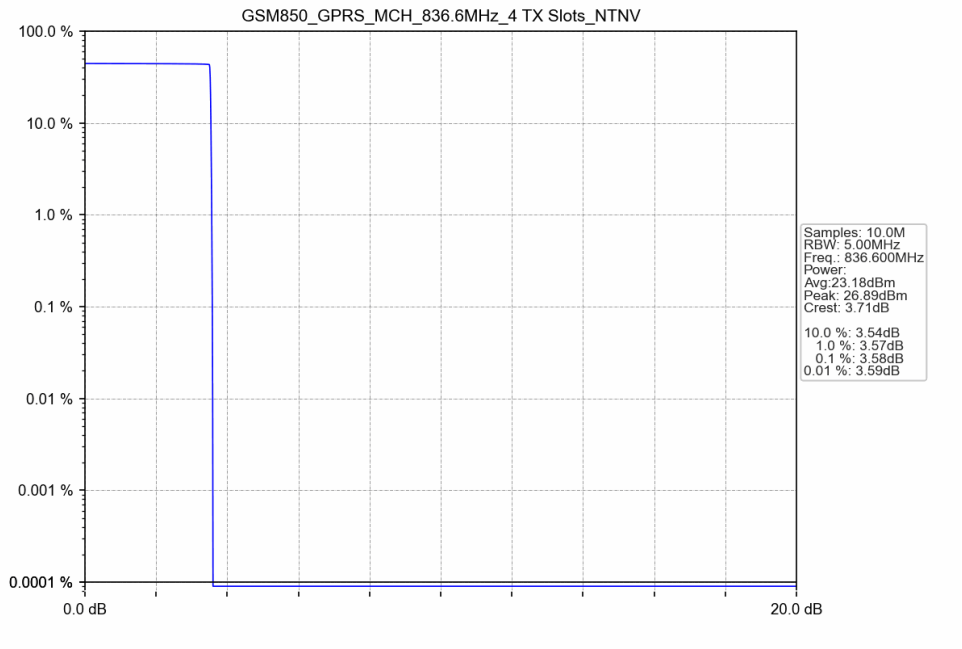
4.2 Test Graph

4.2.1 GSM850

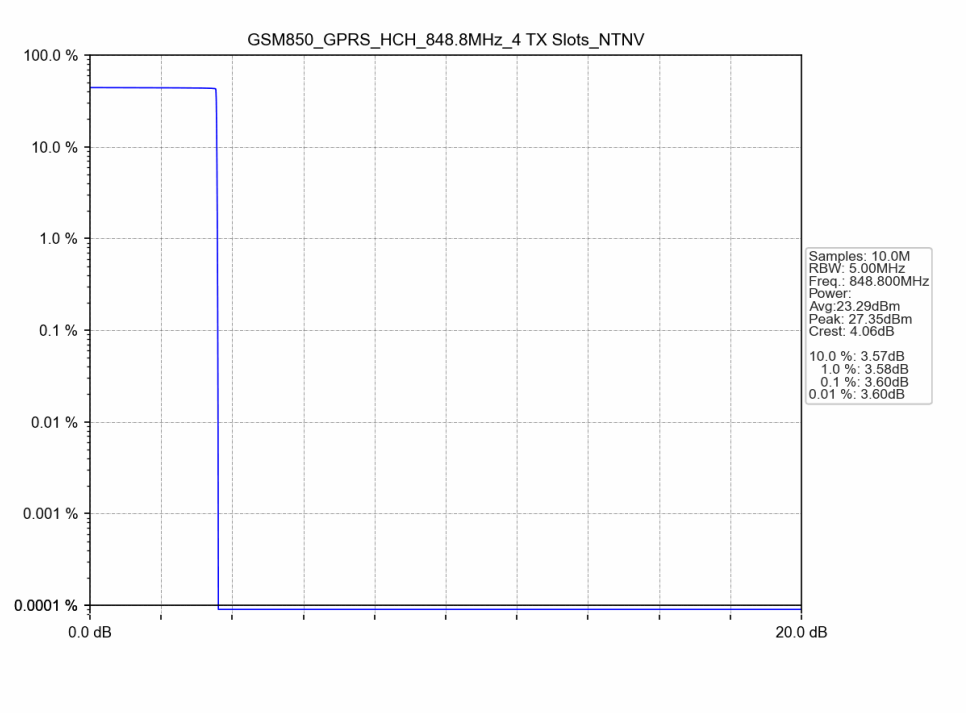
GSM850_GPRS_LCH_824.2MHz_4 TX Slots_NTNV



GSM850_GPRS_MCH_836.6MHz_4 TX Slots_NTNV



GSM850_GPRS_HCH_848.8MHz_4 TX Slots_NTNV



5. Spurious Emission

5.1 Test Result

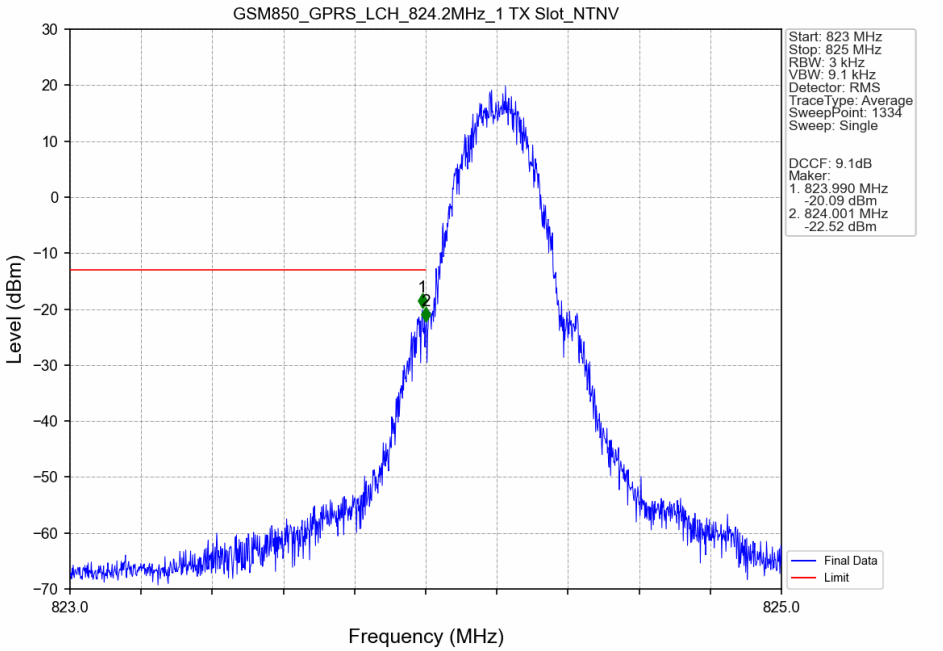
5.1.1 GSM850

Band: GSM850						
ENV	Mode		Frequency (MHz)	Spurious Emission		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

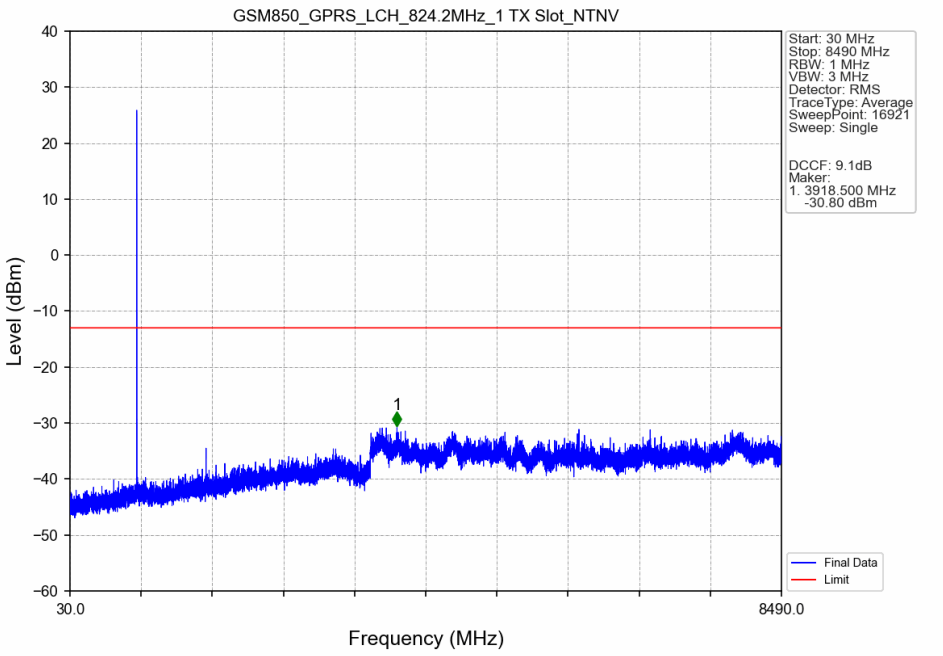
5.2 Test Graph

5.2.1 GSM850

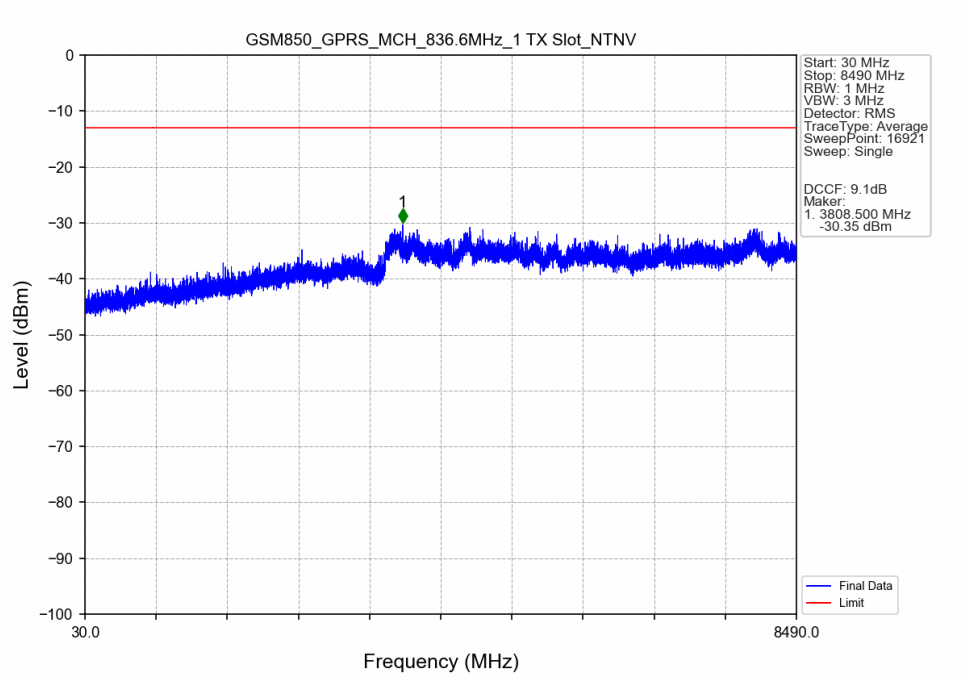
GSM850_GPRS_LCH_824.2MHz_1 TX Slot_NTNV



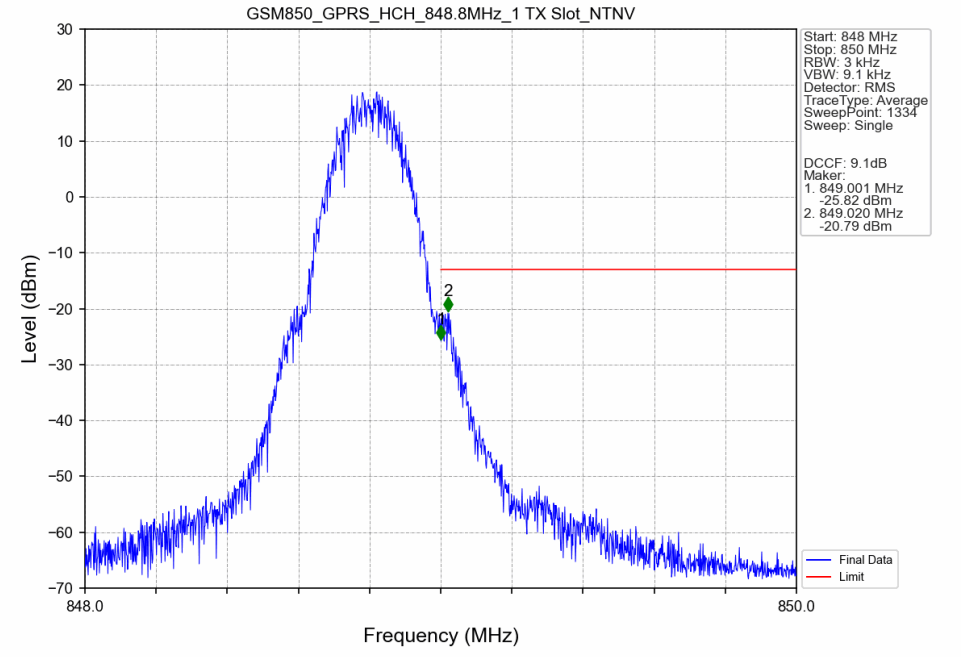
GSM850_GPRS_LCH_824.2MHz_1 TX Slot_NTNV



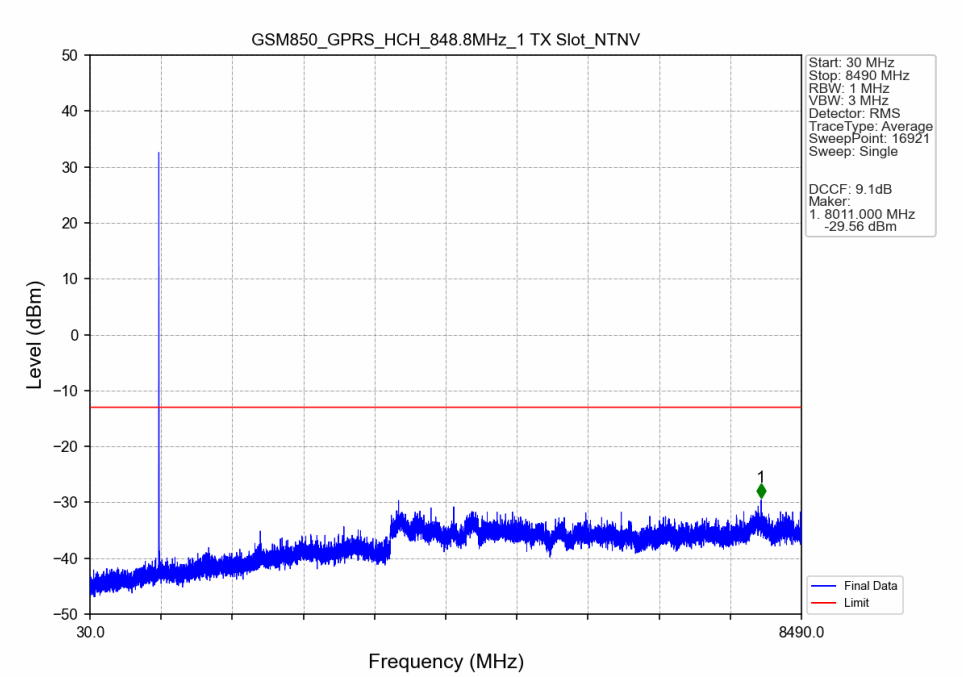
GSM850_GPRS_MCH_836.6MHz_1 TX Slot_NTNV



GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



-The End-