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1. Conducted Output Power

1.1 Test Result

1.1.1 GSM850

Band: GSM850					
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Verdict
	Network	Subset			
NTNV	GPRS	1 TX Slot	824.2	35.32	Pass
		2 TX Slots	824.2	35.31	Pass
		3 TX Slots	824.2	34.46	Pass
		4 TX Slots	824.2	31.89	Pass
		1 TX Slot	836.6	35.64	Pass
		2 TX Slots	836.6	35.53	Pass
		3 TX Slots	836.6	34.67	Pass
		4 TX Slots	836.6	32.03	Pass
		1 TX Slot	848.8	35.56	Pass
		2 TX Slots	848.8	35.46	Pass
		3 TX Slots	848.8	34.62	Pass
		4 TX Slots	848.8	31.92	Pass
	EGPRS	1 TX Slot	824.2	27.67	Pass
		2 TX Slots	824.2	25.95	Pass
		3 TX Slots	824.2	24.23	Pass
		4 TX Slots	824.2	21.63	Pass
		1 TX Slot	836.6	27.81	Pass
		2 TX Slots	836.6	25.97	Pass
		3 TX Slots	836.6	24.13	Pass
		4 TX Slots	836.6	21.49	Pass
		1 TX Slot	848.8	29.92	Pass
		2 TX Slots	848.8	26.72	Pass
		3 TX Slots	848.8	24.52	Pass
		4 TX Slots	848.8	22.69	Pass

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	25	3.33	-4.488	-0.0054	-2.5 to 2.5	Pass
			3.70	-1.743	-0.0021	-2.5 to 2.5	Pass
			4.07	-2.325	-0.0028	-2.5 to 2.5	Pass
		0	3.70	-11.720	-0.0142	-2.5 to 2.5	Pass
		10	3.70	-8.039	-0.0098	-2.5 to 2.5	Pass
		20	3.70	-1.808	-0.0022	-2.5 to 2.5	Pass
		30	3.70	-9.266	-0.0112	-2.5 to 2.5	Pass
	35	3.70	-6.102	-0.0074	-2.5 to 2.5	Pass	
	836.6	25	3.33	-13.237	-0.0158	-2.5 to 2.5	Pass

			3.70	-4.100	-0.0049	-2.5 to 2.5	Pass
			4.07	-15.594	-0.0186	-2.5 to 2.5	Pass
		0	3.70	1.421	0.0017	-2.5 to 2.5	Pass
		10	3.70	-9.686	-0.0116	-2.5 to 2.5	Pass
		20	3.70	-7.200	-0.0086	-2.5 to 2.5	Pass
		30	3.70	-4.359	-0.0052	-2.5 to 2.5	Pass
		35	3.70	-5.715	-0.0068	-2.5 to 2.5	Pass
	848.8	25	3.33	-6.457	-0.0076	-2.5 to 2.5	Pass
			3.70	-8.814	-0.0104	-2.5 to 2.5	Pass
			4.07	-6.037	-0.0071	-2.5 to 2.5	Pass
		0	3.70	4.036	0.0048	-2.5 to 2.5	Pass
		10	3.70	-3.164	-0.0037	-2.5 to 2.5	Pass
		20	3.70	2.938	0.0035	-2.5 to 2.5	Pass
		30	3.70	-13.560	-0.0160	-2.5 to 2.5	Pass
		35	3.70	-5.101	-0.0060	-2.5 to 2.5	Pass
EGPRS	824.2	25	3.33	-7.006	-0.0085	-2.5 to 2.5	Pass
			3.70	-6.005	-0.0073	-2.5 to 2.5	Pass
			4.07	1.227	0.0015	-2.5 to 2.5	Pass
		0	3.70	-8.556	-0.0104	-2.5 to 2.5	Pass
		10	3.70	3.584	0.0043	-2.5 to 2.5	Pass
		20	3.70	-4.746	-0.0058	-2.5 to 2.5	Pass
		30	3.70	-14.173	-0.0172	-2.5 to 2.5	Pass
		35	3.70	-10.396	-0.0126	-2.5 to 2.5	Pass
	836.6	25	3.33	-3.422	-0.0041	-2.5 to 2.5	Pass
			3.70	6.619	0.0079	-2.5 to 2.5	Pass
			4.07	4.455	0.0053	-2.5 to 2.5	Pass
		0	3.70	-1.130	-0.0014	-2.5 to 2.5	Pass
		10	3.70	-8.104	-0.0097	-2.5 to 2.5	Pass
		20	3.70	-3.164	-0.0038	-2.5 to 2.5	Pass
		30	3.70	-8.362	-0.0100	-2.5 to 2.5	Pass
		35	3.70	-2.163	-0.0026	-2.5 to 2.5	Pass
	848.8	25	3.33	-8.362	-0.0099	-2.5 to 2.5	Pass
			3.70	-2.002	-0.0024	-2.5 to 2.5	Pass
			4.07	-5.908	-0.0070	-2.5 to 2.5	Pass
		0	3.70	-6.393	-0.0075	-2.5 to 2.5	Pass
		10	3.70	-2.357	-0.0028	-2.5 to 2.5	Pass
		20	3.70	-2.583	-0.0030	-2.5 to 2.5	Pass
		30	3.70	2.615	0.0031	-2.5 to 2.5	Pass
		35	3.70	0.226	0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 GSM850_OBW

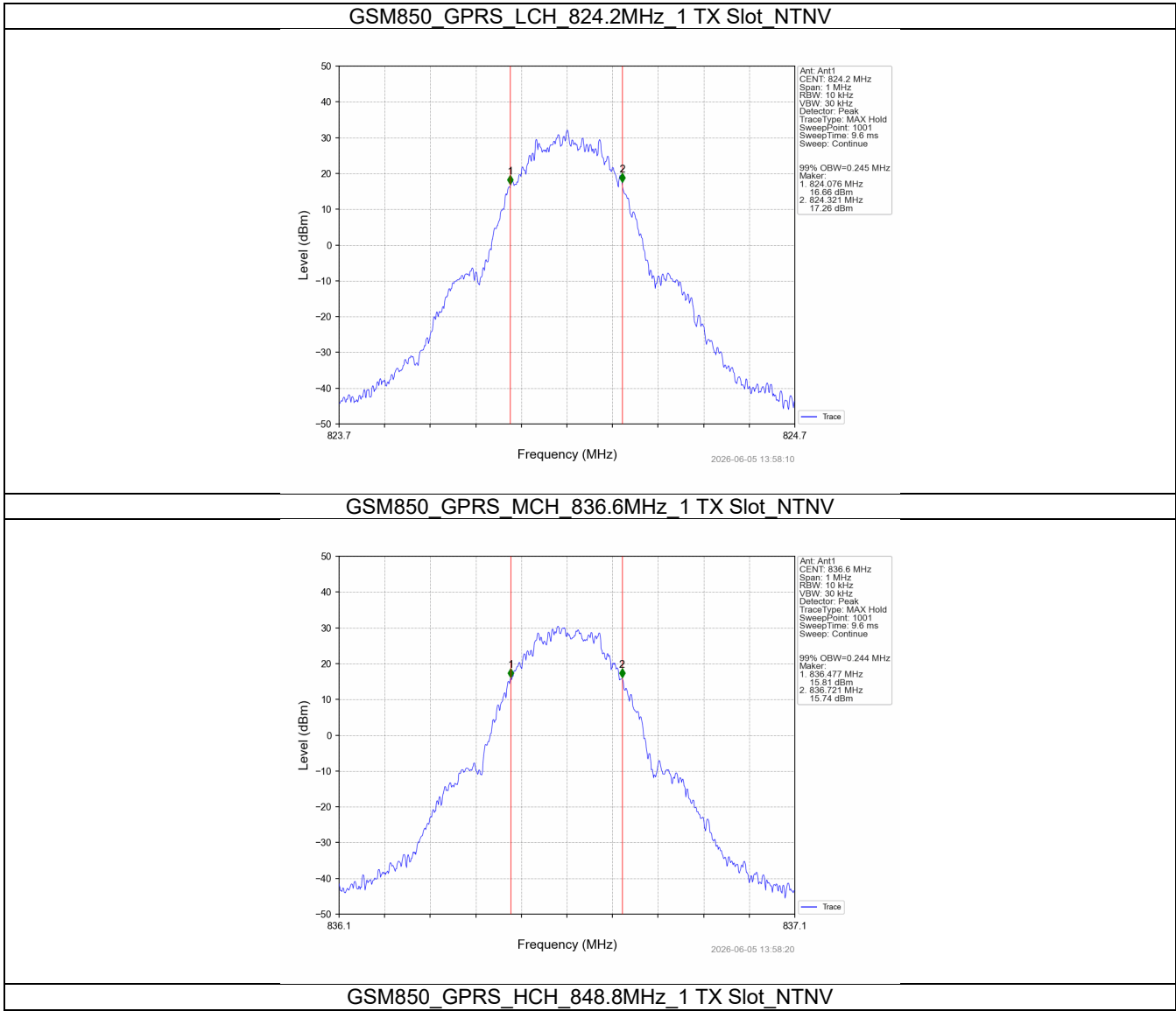
Band: GSM850						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	824.2	0.245	/	Pass
			836.6	0.244	/	Pass
			848.8	0.245	/	Pass
	EGPRS	1 TX Slot	824.2	0.254	/	Pass
			836.6	0.240	/	Pass
			848.8	0.240	/	Pass

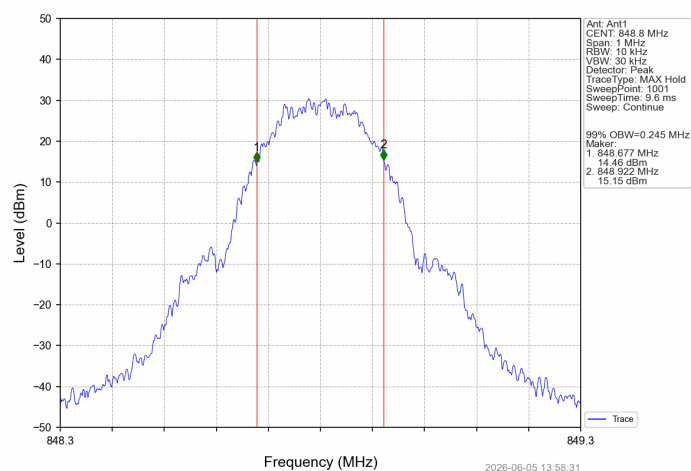
3.1.2 GSM850_XDB

Band: GSM850						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	824.2	0.305	/	Pass
			836.6	0.320	/	Pass
			848.8	0.320	/	Pass
	EGPRS	1 TX Slot	824.2	0.326	/	Pass
			836.6	0.297	/	Pass
			848.8	0.307	/	Pass

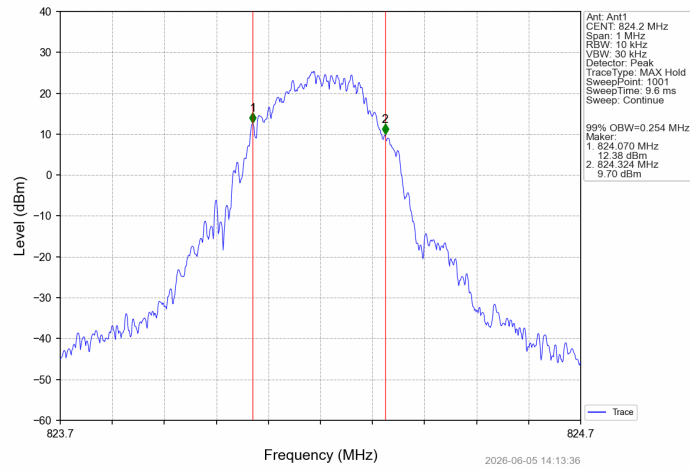
3.2 Test Graph

3.2.1 GSM850_OBW

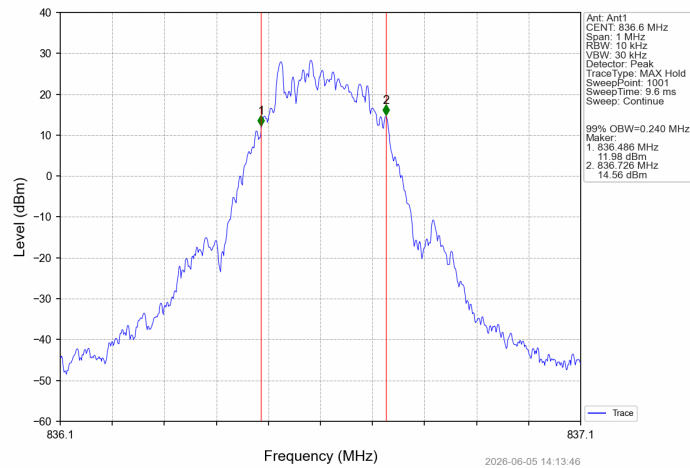




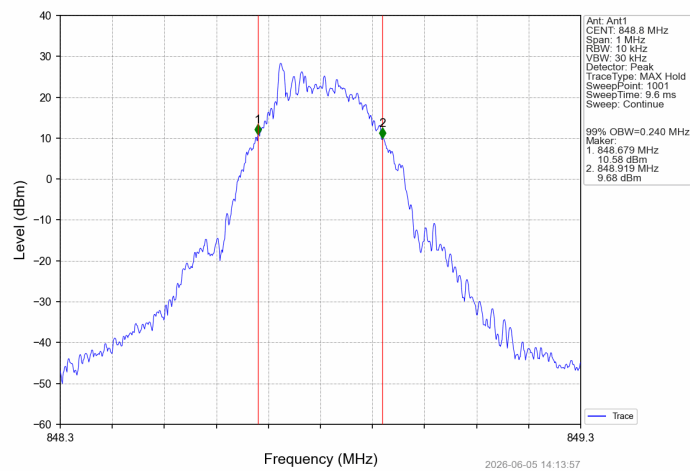
GSM850 EGPRS LCH 824.2MHz 1 TX Slot NTNV



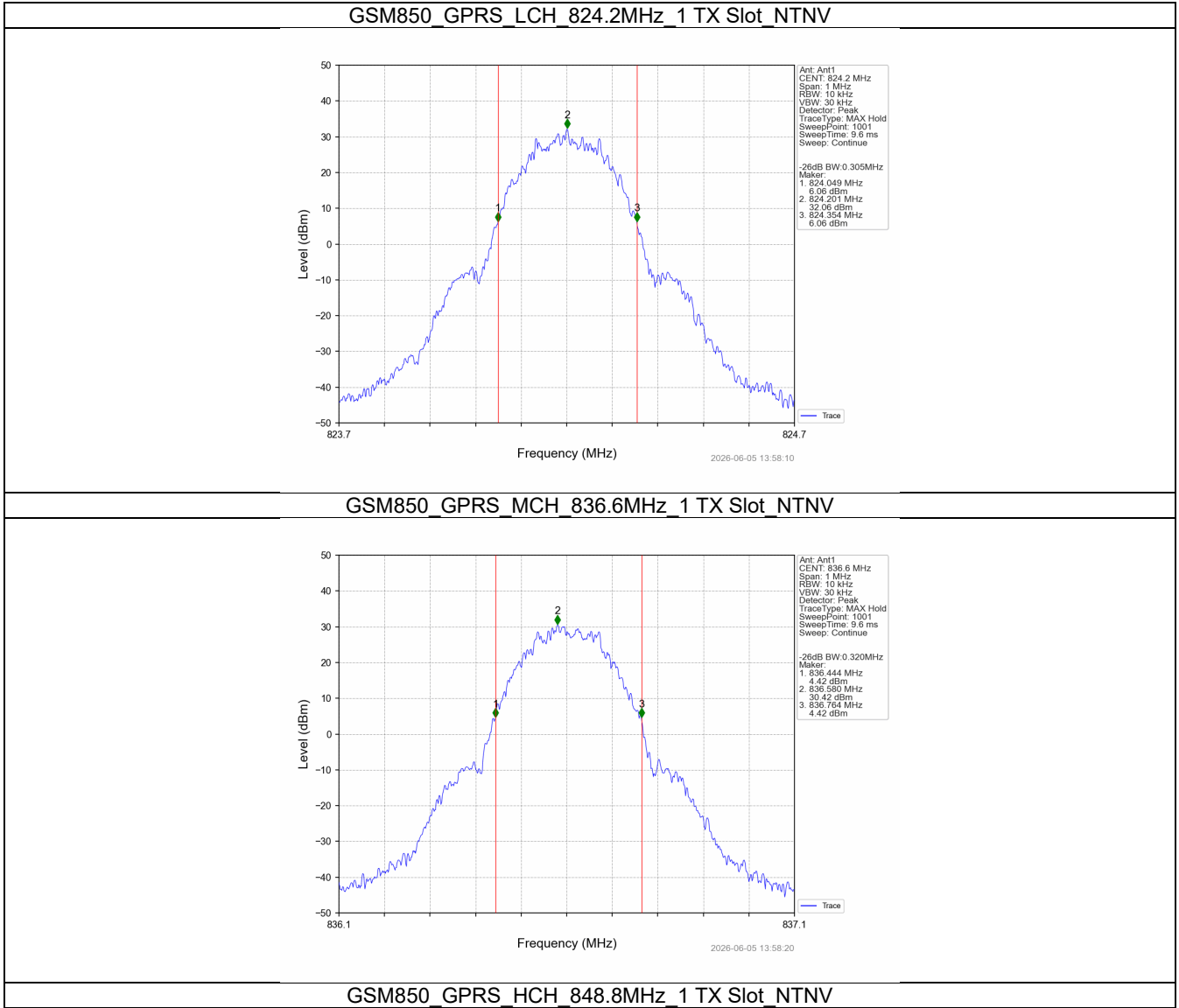
GSM850 EGPRS MCH 836.6MHz 1 TX Slot NTNV

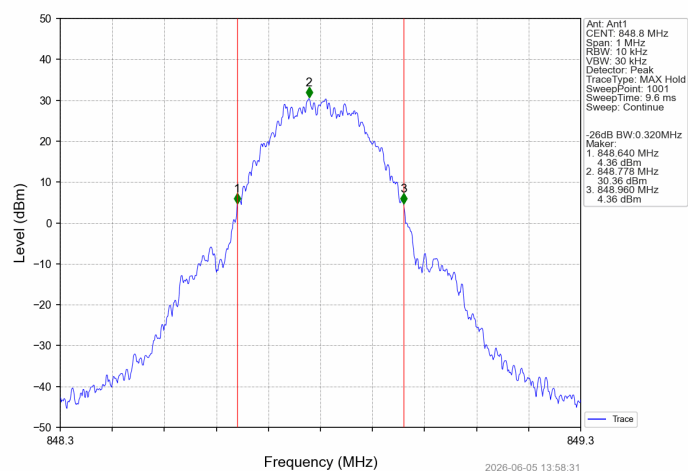


GSM850 EGPRS HCH 848.8MHz 1 TX Slot NTNV



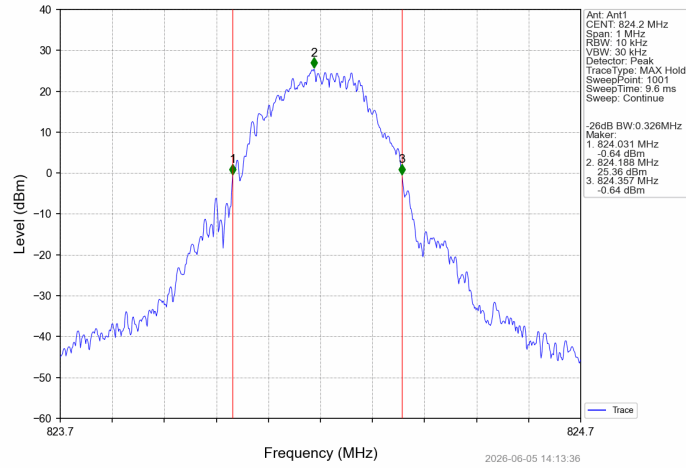
3.2.2 GSM850_XDB



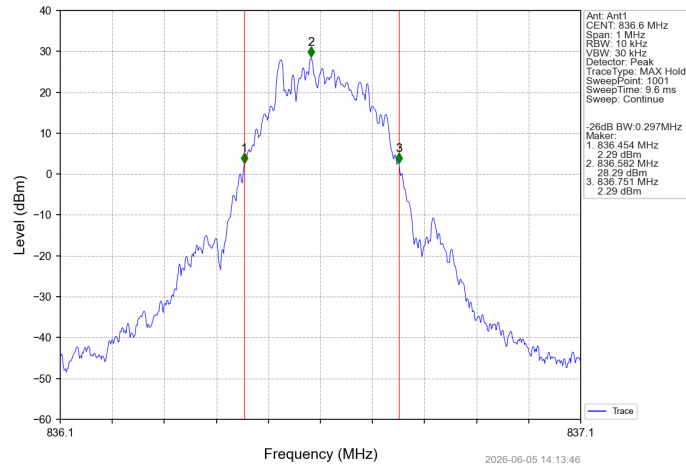


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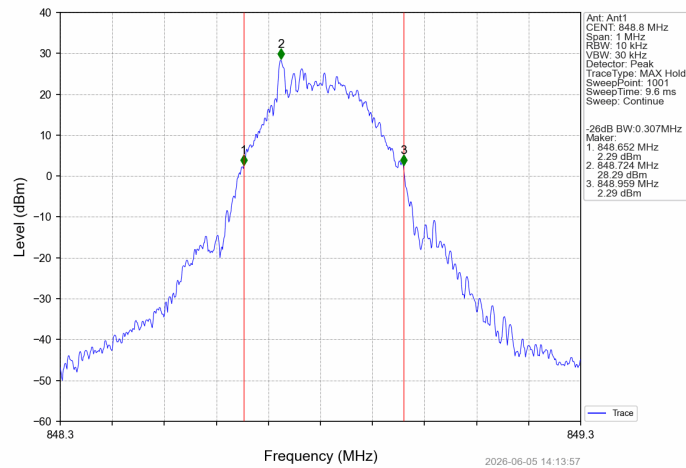
GSM850_EGPRS_LCH_824.2MHz_1 TX Slot_NTNV



GSM850_EGPRS_MCH_836.6MHz_1 TX Slot_NTNV



GSM850_EGPRS_HCH_848.8MHz_1 TX Slot_NTNV



4. Peak-Average Ratio

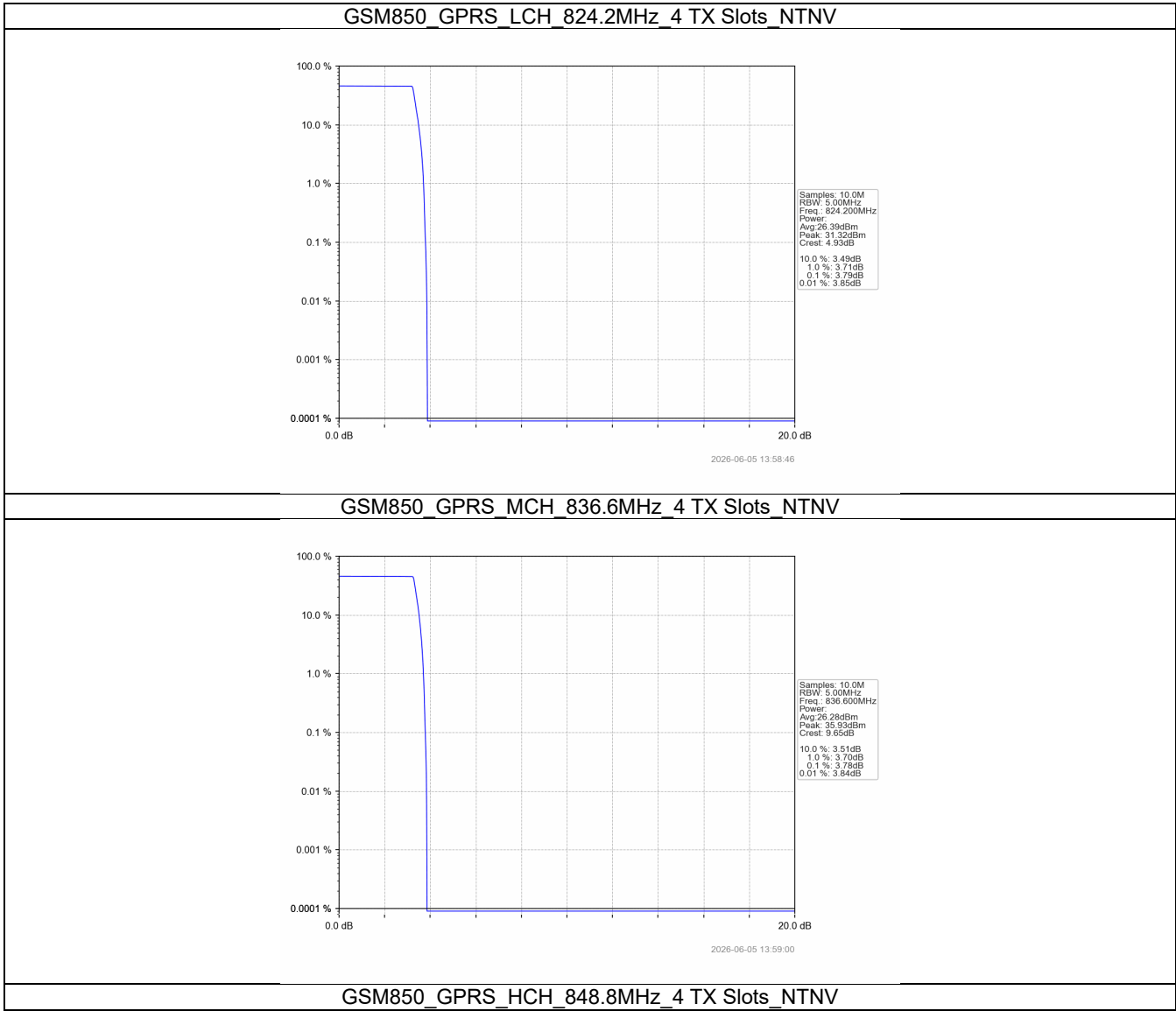
4.1 Test Result

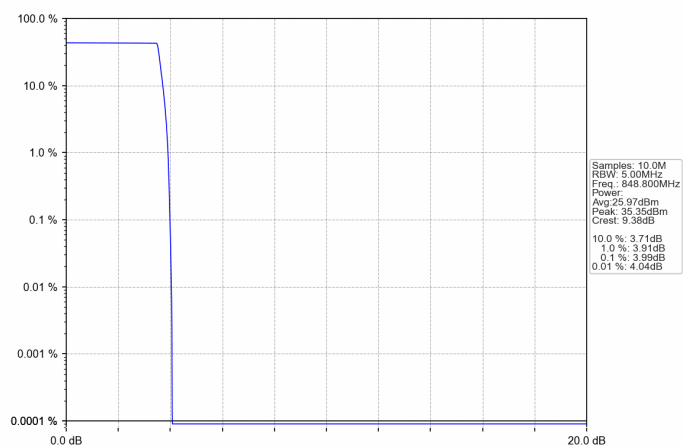
4.1.1 GSM850

Band: GSM850						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	4 TX Slots	824.2	3.79	<=13	Pass
			836.6	3.78	<=13	Pass
			848.8	3.99	<=13	Pass
	EGPRS	4 TX Slots	824.2	11.76	<=13	Pass
			836.6	11.89	<=13	Pass
			848.8	10.93	<=13	Pass

4.2 Test Graph

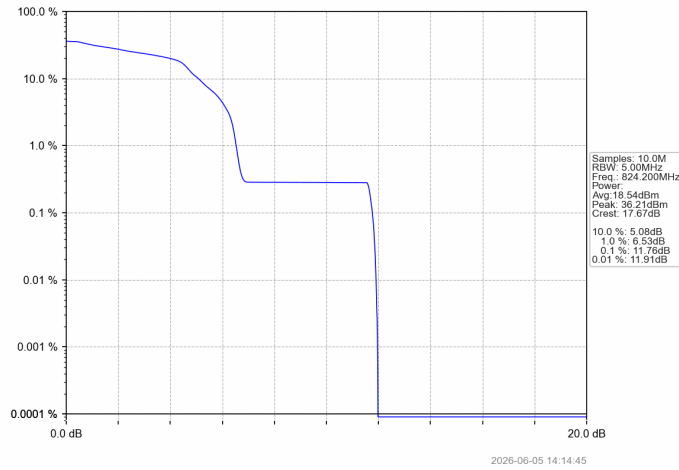
4.2.1 GSM850



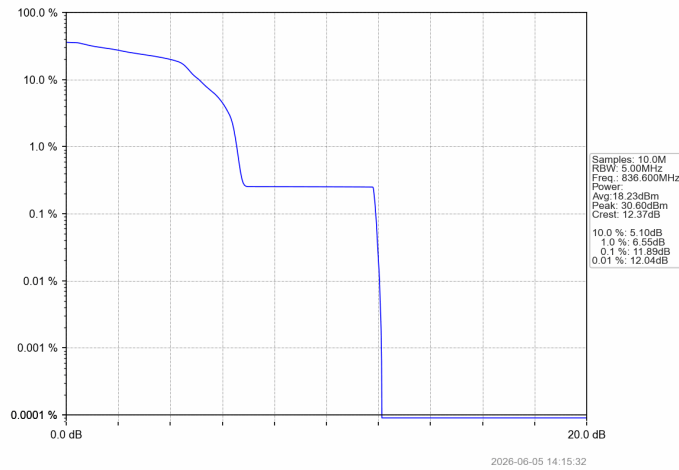


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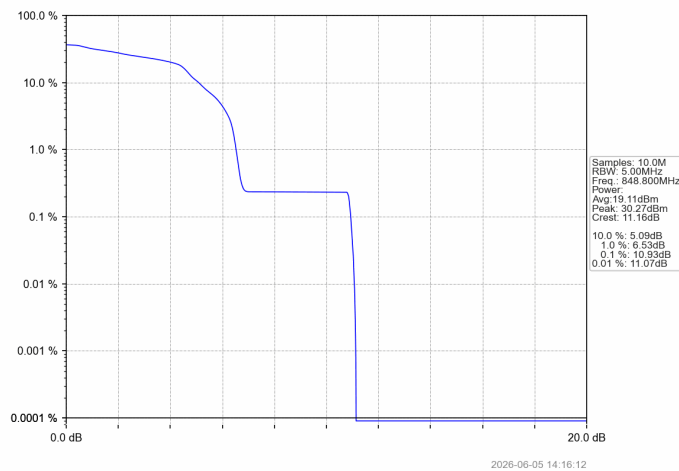
GSM850_EGPRS_LCH_824.2MHz_4 TX Slots_NTNV



GSM850_EGPRS_MCH_836.6MHz_4 TX Slots_NTNV



GSM850_EGPRS_HCH_848.8MHz_4 TX Slots_NTNV



5. Spurious Emission and Band Edge

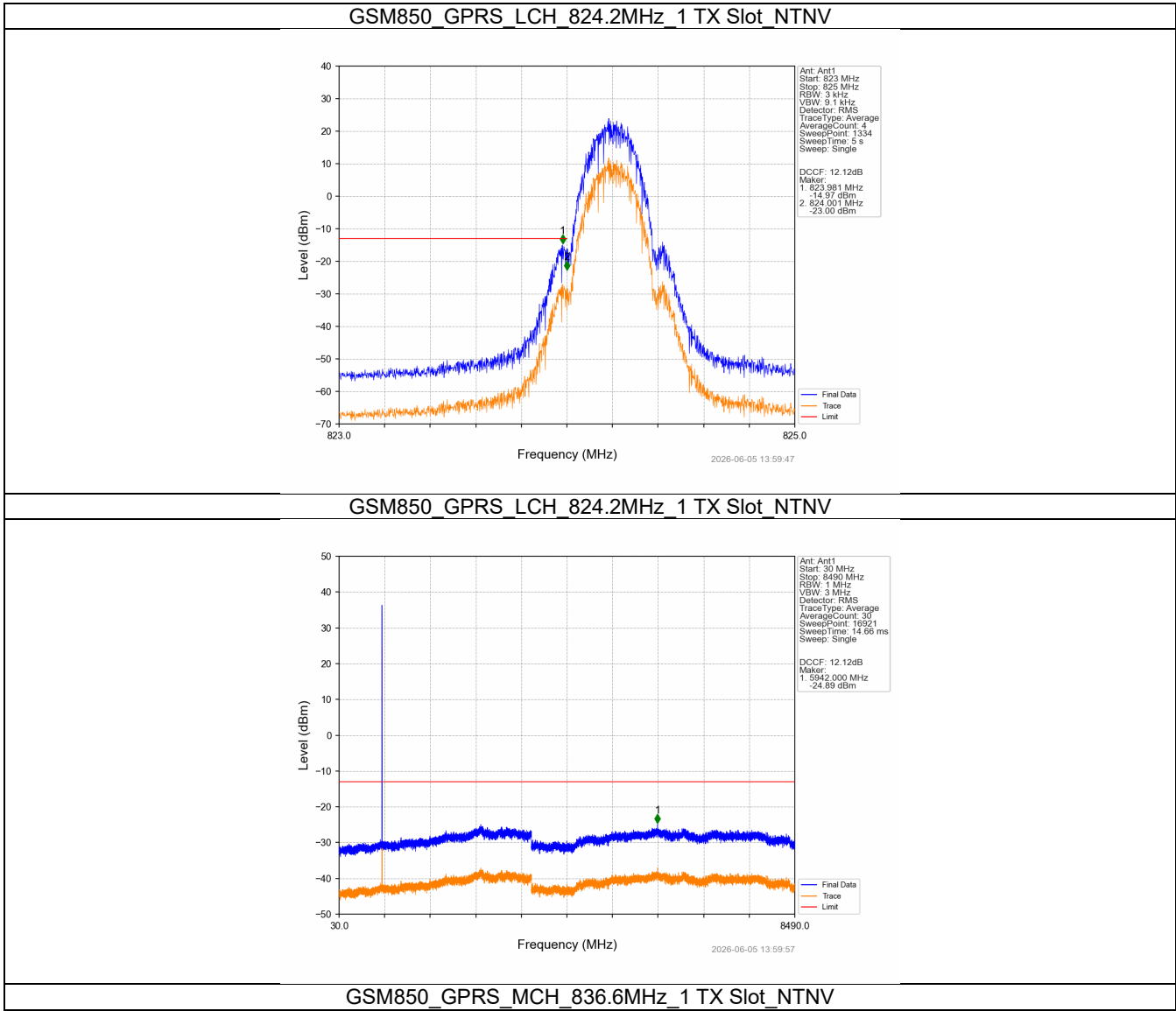
5.1 Test Result

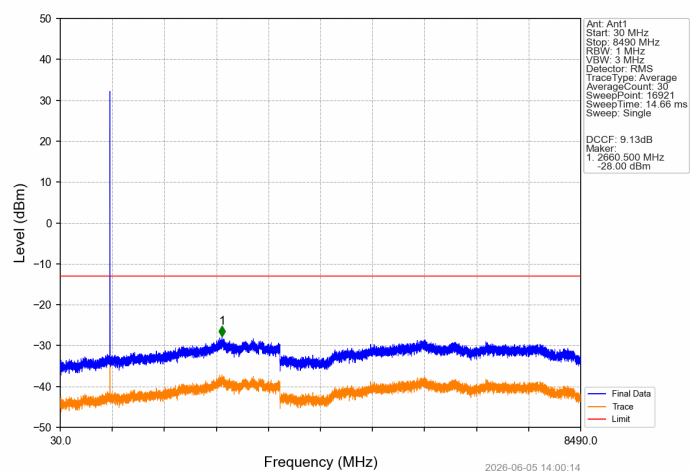
5.1.1 GSM850

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

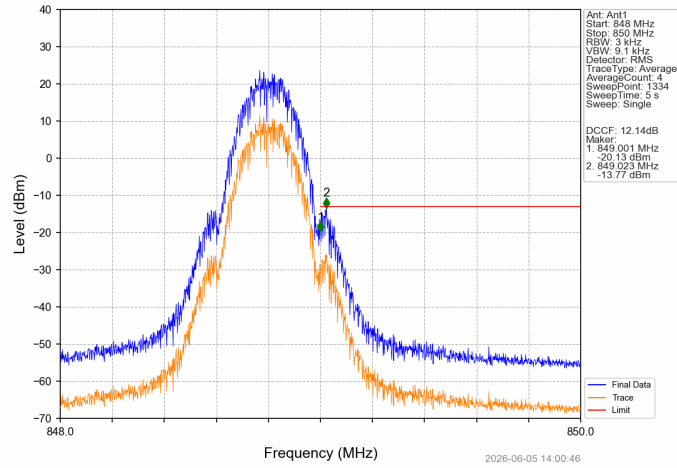
5.2 Test Graph

5.2.1 GSM850

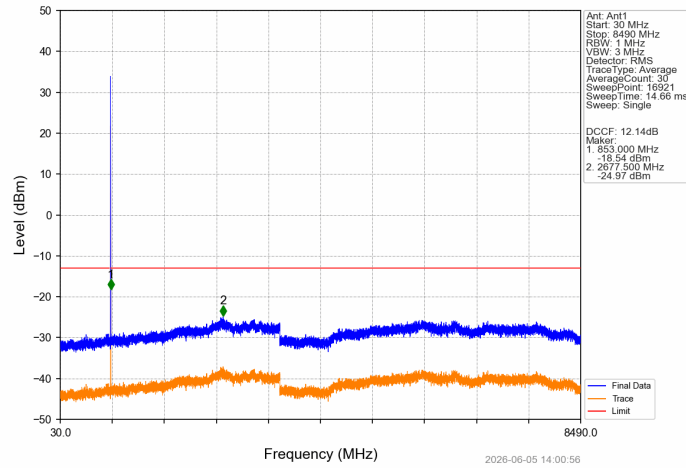




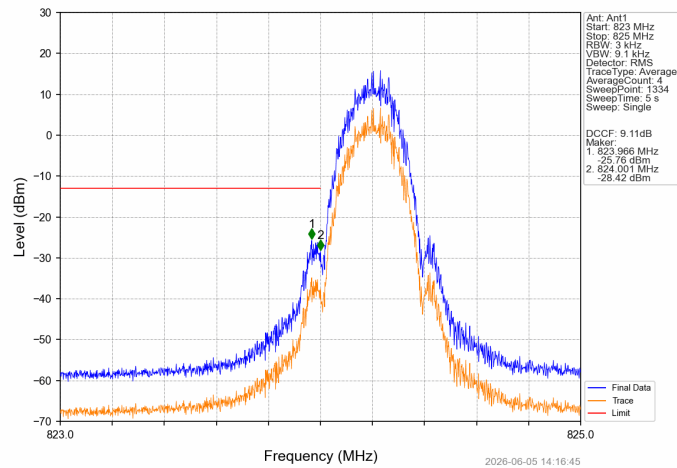
GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



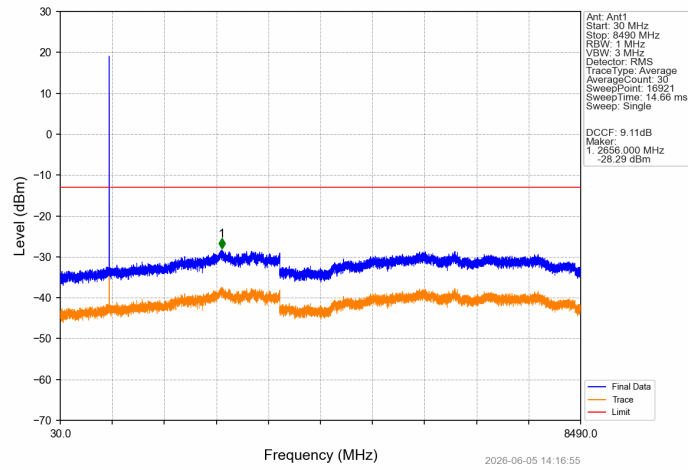
GSM850_GPRS_HCH_848.8MHz_1 TX Slot_NTNV



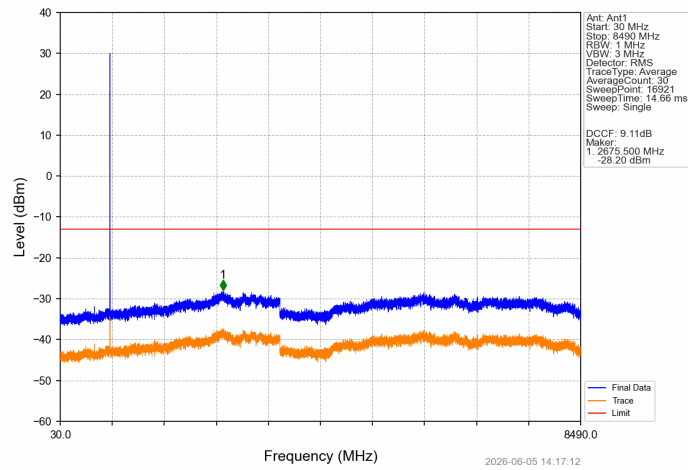
GSM850_EGPRS_LCH_824.2MHz_1 TX Slot_NTNV



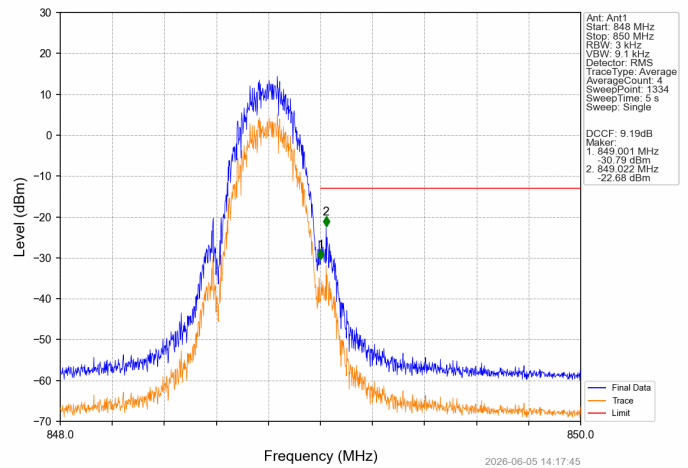
GSM850_EGPRS_LCH_824.2MHz_1_TX_Slot_NTNV



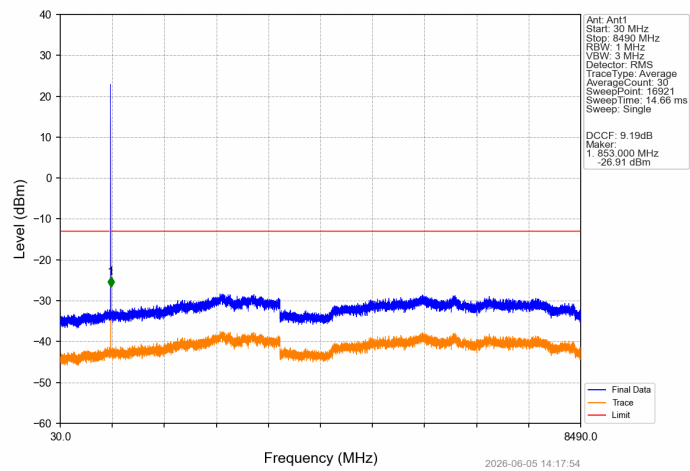
GSM850_EGPRS_MCH_836.6MHz_1_TX_Slot_NTNV



GSM850_EGPRS_HCH_848.8MHz_1_TX_Slot_NTNV



GSM850 EGPRS HCH 848.8MHz 1 TX Slot NTNV



8. Form731

8.1 Test Result

8.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
GSM850	0.2	824.2	848.8	3.6644	99.0000	ppm	245KGXW	22H	35.64
GSM850	0.2	824.2	848.8	0.9817	99.0000	ppm	254KG7W	22H	29.92

8.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
GSM850	0.2	824.2	848.8	2.2909	99.0000	ppm	245KGXW	22H	33.60
GSM850	0.2	824.2	848.8	2.2962	99.0000	ppm	254KG7W	22H	33.61