

1. Effective (Isotropic) Radiated Power Output Data

1.1 GSM850_ERP

1.1.1 Test Result

Band: GSM850								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	GSM	GSM	824.2	22.15	0.00	22.15	<=38.45	Pass
			836.6	22.55	0.00	22.55	<=38.45	Pass
			848.8	21.57	0.00	21.57	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 GSM850

2.1.1 Test Result

Band: GSM850							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GSM	824.2	20	3.27	-1.582	-0.0019	-2.5 to 2.5	Pass
			3.85	18.080	0.0219	-2.5 to 2.5	Pass
			4.43	9.266	0.0112	-2.5 to 2.5	Pass
		-30	3.85	6.070	0.0074	-2.5 to 2.5	Pass
		-20	3.85	2.002	0.0024	-2.5 to 2.5	Pass
		-10	3.85	7.781	0.0094	-2.5 to 2.5	Pass
		0	3.85	13.592	0.0165	-2.5 to 2.5	Pass
		10	3.85	8.588	0.0104	-2.5 to 2.5	Pass
		30	3.85	12.010	0.0146	-2.5 to 2.5	Pass
		40	3.85	5.004	0.0061	-2.5 to 2.5	Pass
		50	3.85	11.171	0.0136	-2.5 to 2.5	Pass
	836.6	20	3.27	7.619	0.0091	-2.5 to 2.5	Pass
			3.85	12.269	0.0147	-2.5 to 2.5	Pass
			4.43	5.553	0.0066	-2.5 to 2.5	Pass
		-30	3.85	9.234	0.0110	-2.5 to 2.5	Pass
		-20	3.85	10.816	0.0129	-2.5 to 2.5	Pass
		-10	3.85	7.361	0.0088	-2.5 to 2.5	Pass
		0	3.85	7.426	0.0089	-2.5 to 2.5	Pass
		10	3.85	17.112	0.0205	-2.5 to 2.5	Pass

		30	3.85	15.433	0.0184	-2.5 to 2.5	Pass
		40	3.85	12.269	0.0147	-2.5 to 2.5	Pass
		50	3.85	14.529	0.0174	-2.5 to 2.5	Pass
	848.8	20	3.27	2.002	0.0024	-2.5 to 2.5	Pass
			3.85	9.589	0.0113	-2.5 to 2.5	Pass
			4.43	15.562	0.0183	-2.5 to 2.5	Pass
		-30	3.85	15.626	0.0184	-2.5 to 2.5	Pass
		-20	3.85	-0.646	-0.0008	-2.5 to 2.5	Pass
		-10	3.85	7.781	0.0092	-2.5 to 2.5	Pass
		0	3.85	11.074	0.0130	-2.5 to 2.5	Pass
		10	3.85	9.589	0.0113	-2.5 to 2.5	Pass
		30	3.85	3.874	0.0046	-2.5 to 2.5	Pass
		40	3.85	4.455	0.0052	-2.5 to 2.5	Pass
		50	3.85	16.434	0.0194	-2.5 to 2.5	Pass

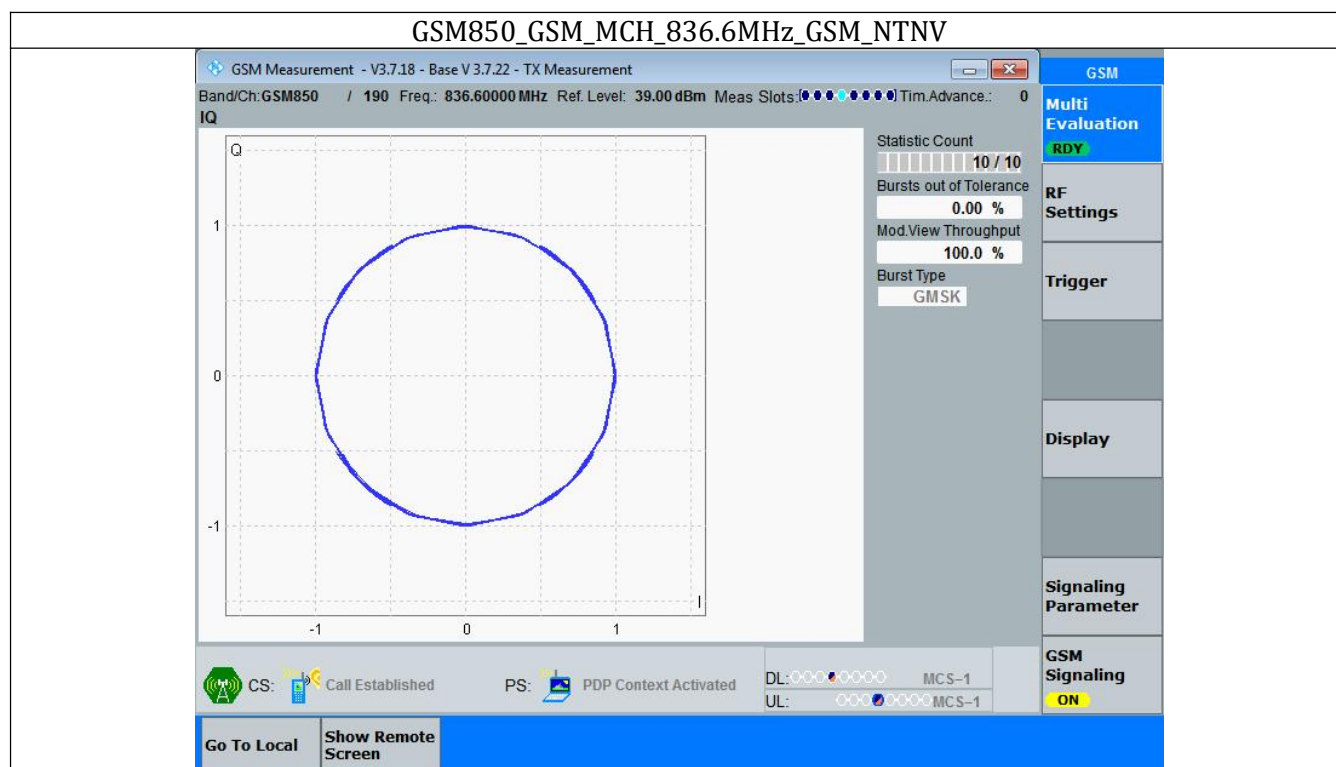
3. Modulation Characteristics

3.1 GSM850

3.1.1 Test Result

Band: GSM850						
ENV	Mode		Frequency (MHz)	Modulation Characteristics		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	836.6	Refer To Test Graph		Pass

3.1.2 Test Graph



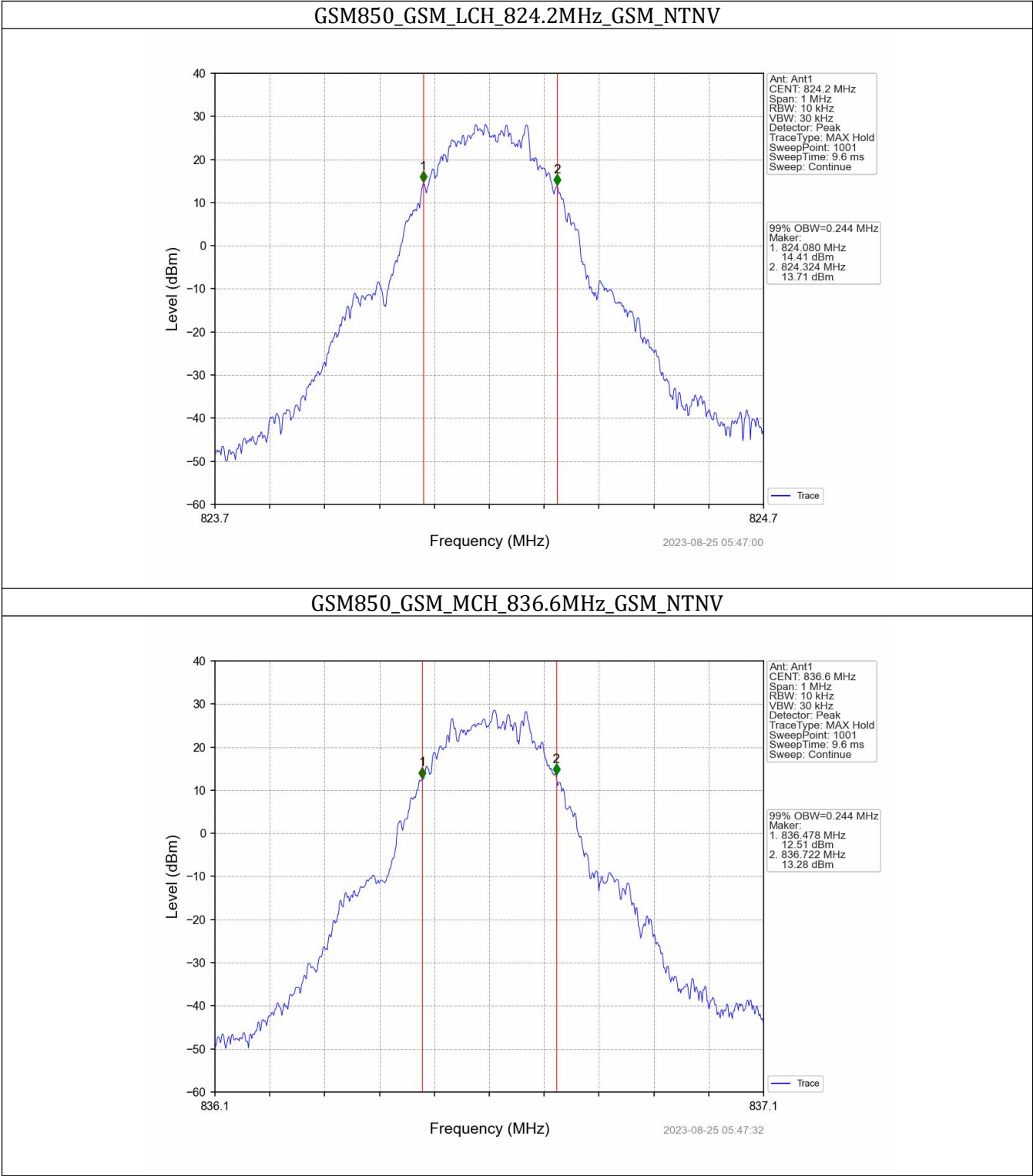
4. 99% & 26dB Bandwidth

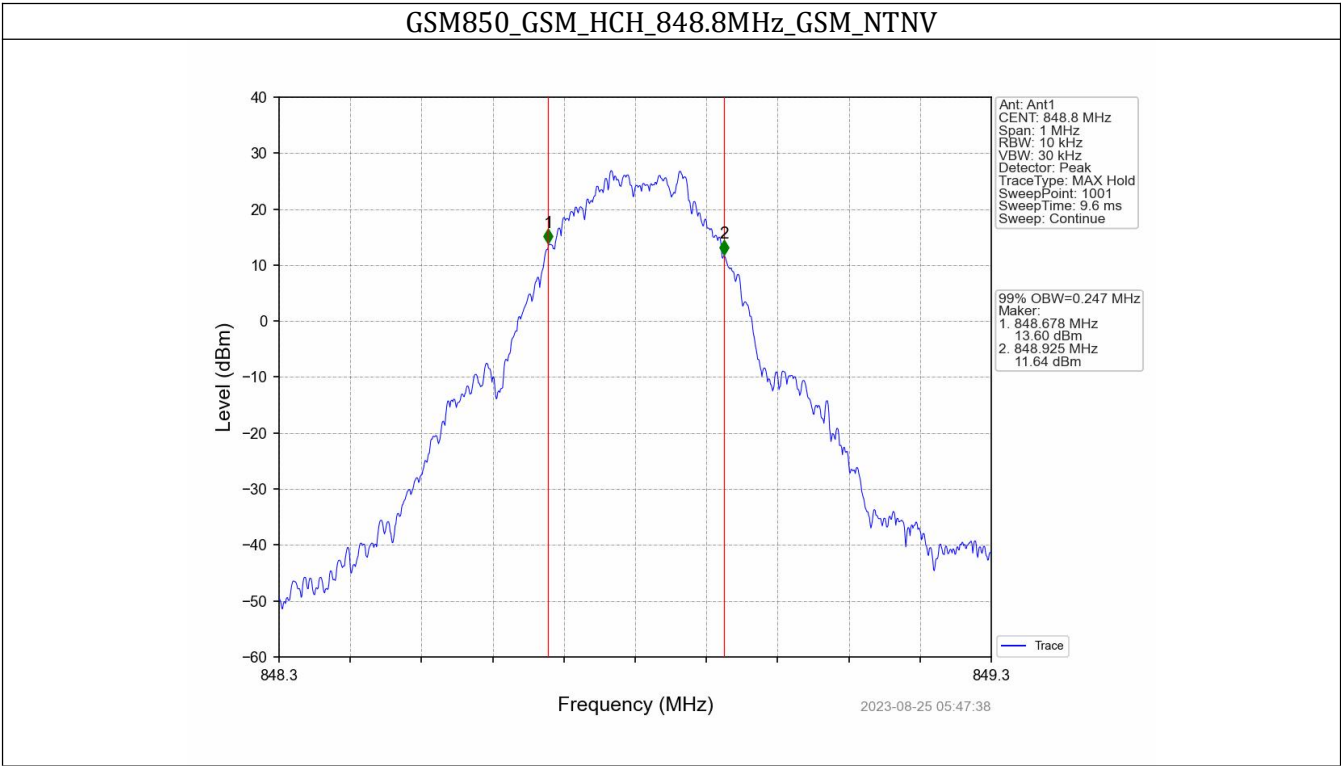
4.1 GSM850_OBW

4.1.1 Test Result

Band: GSM850					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GSM	GSM	824.2	0.244	Pass
			836.6	0.244	Pass
			848.8	0.247	Pass

4.1.2 Test Graph



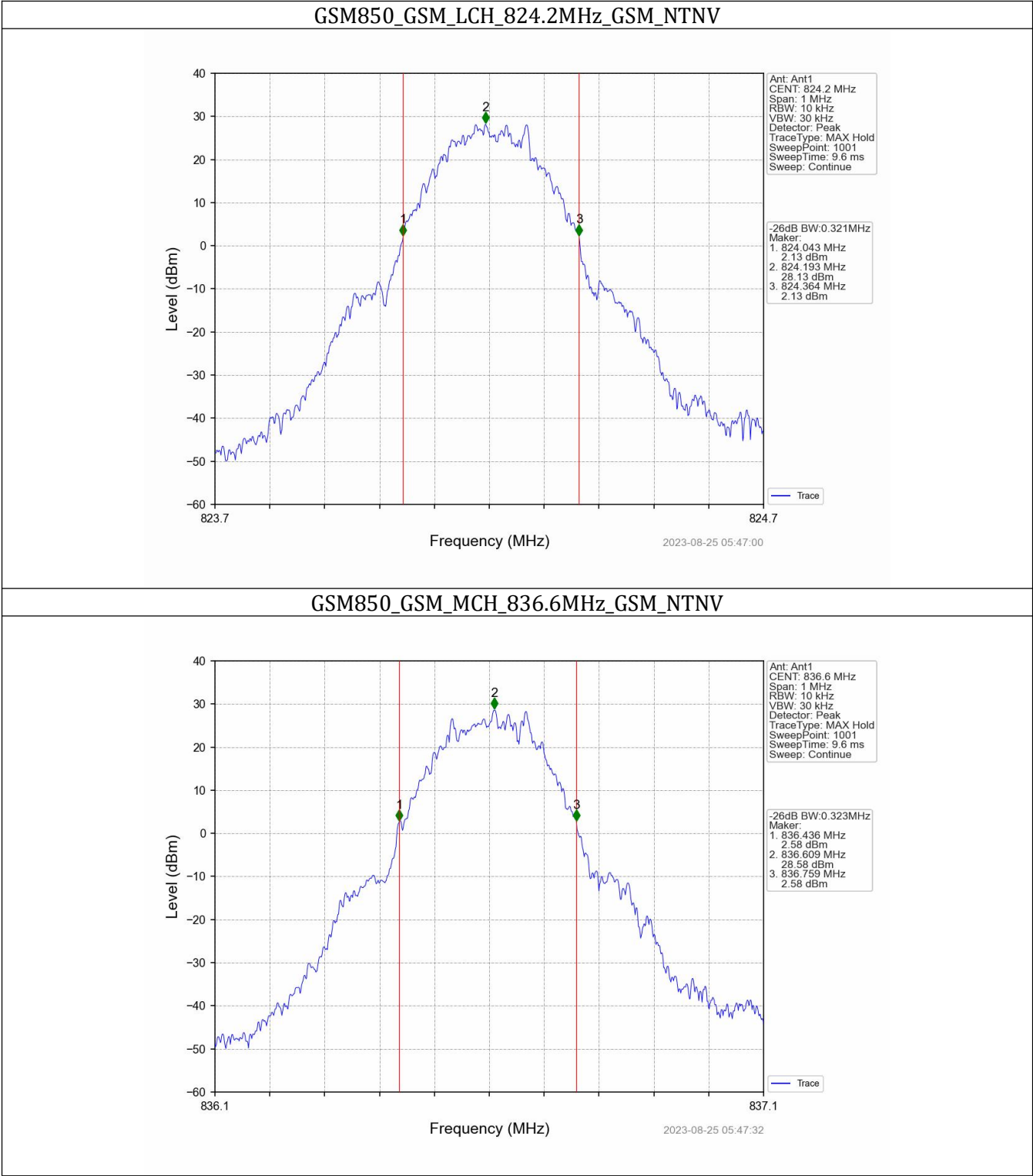


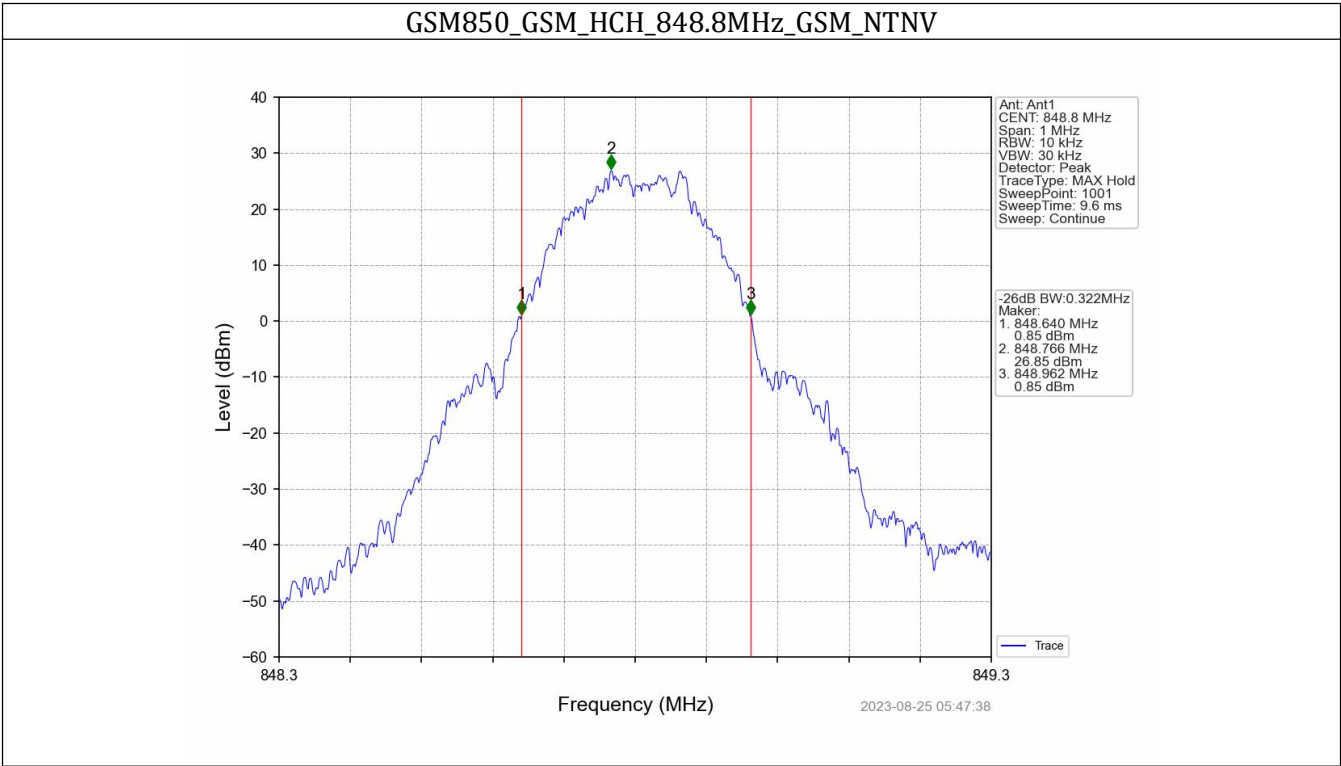
4.2 GSM850_XDB

4.2.1 Test Result

Band: GSM850					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GSM	GSM	824.2	0.321	Pass
			836.6	0.323	Pass
			848.8	0.322	Pass

4.2.2 Test Graph





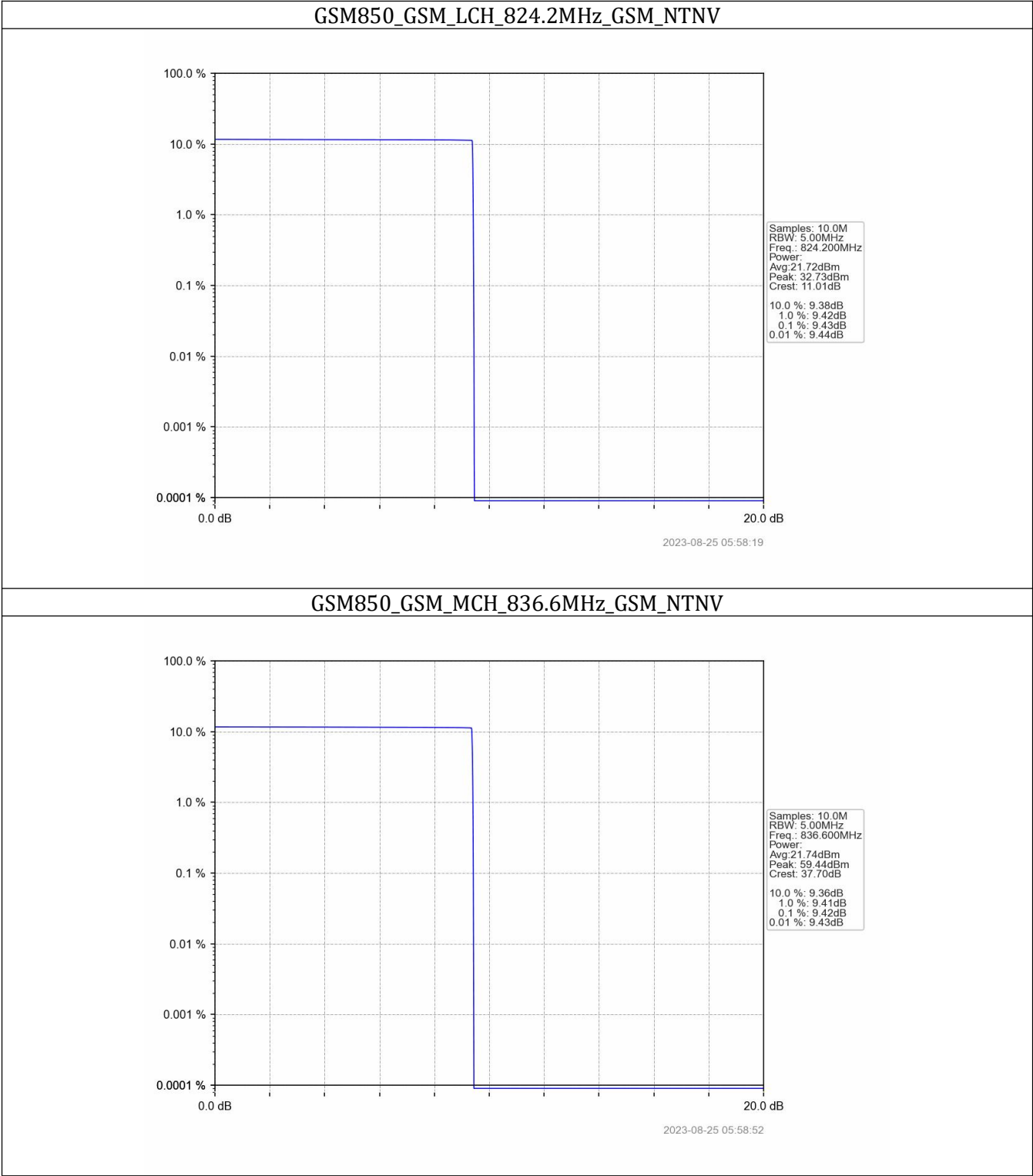
5. Peak-Average Ratio

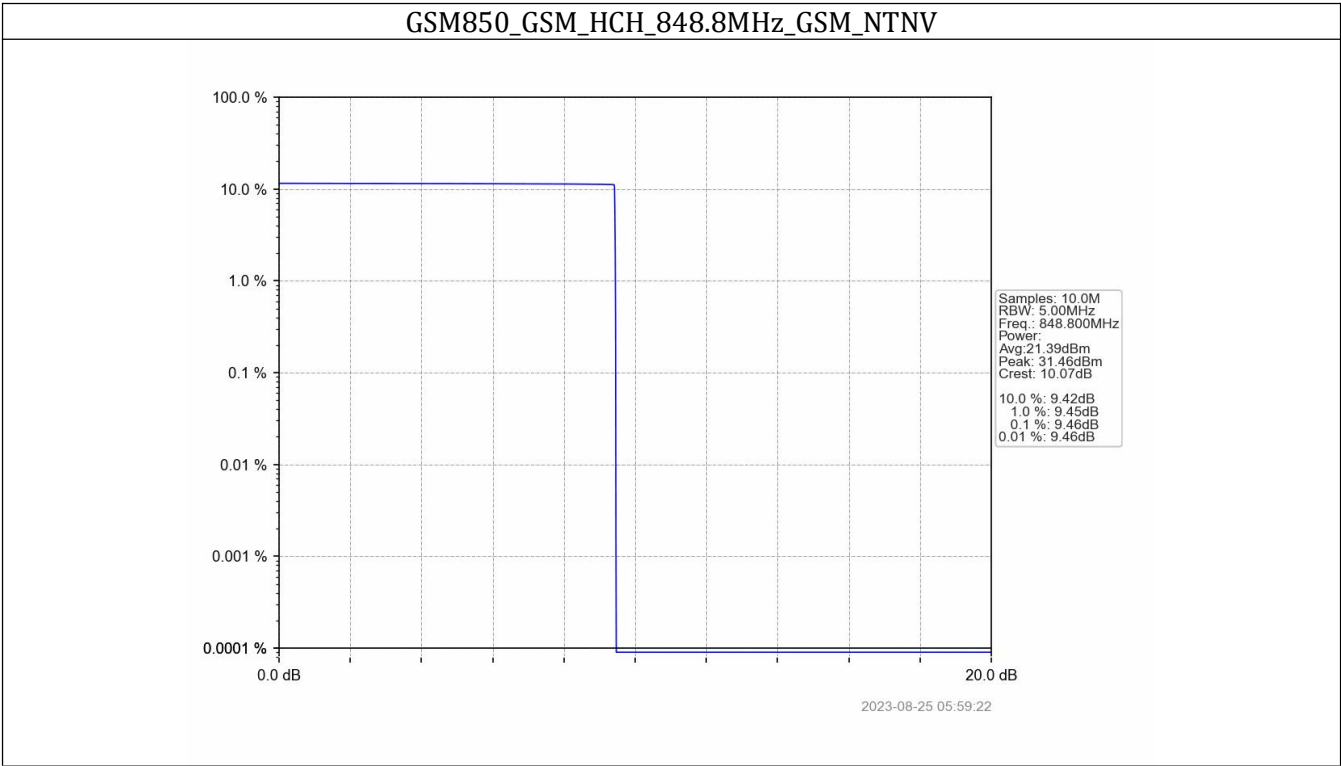
5.1 GSM850

5.1.1 Test Result

Band: GSM850						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	824.2	9.43	<=13	Pass
			836.6	9.42	<=13	Pass
			848.8	9.46	<=13	Pass

5.1.2 Test Graph





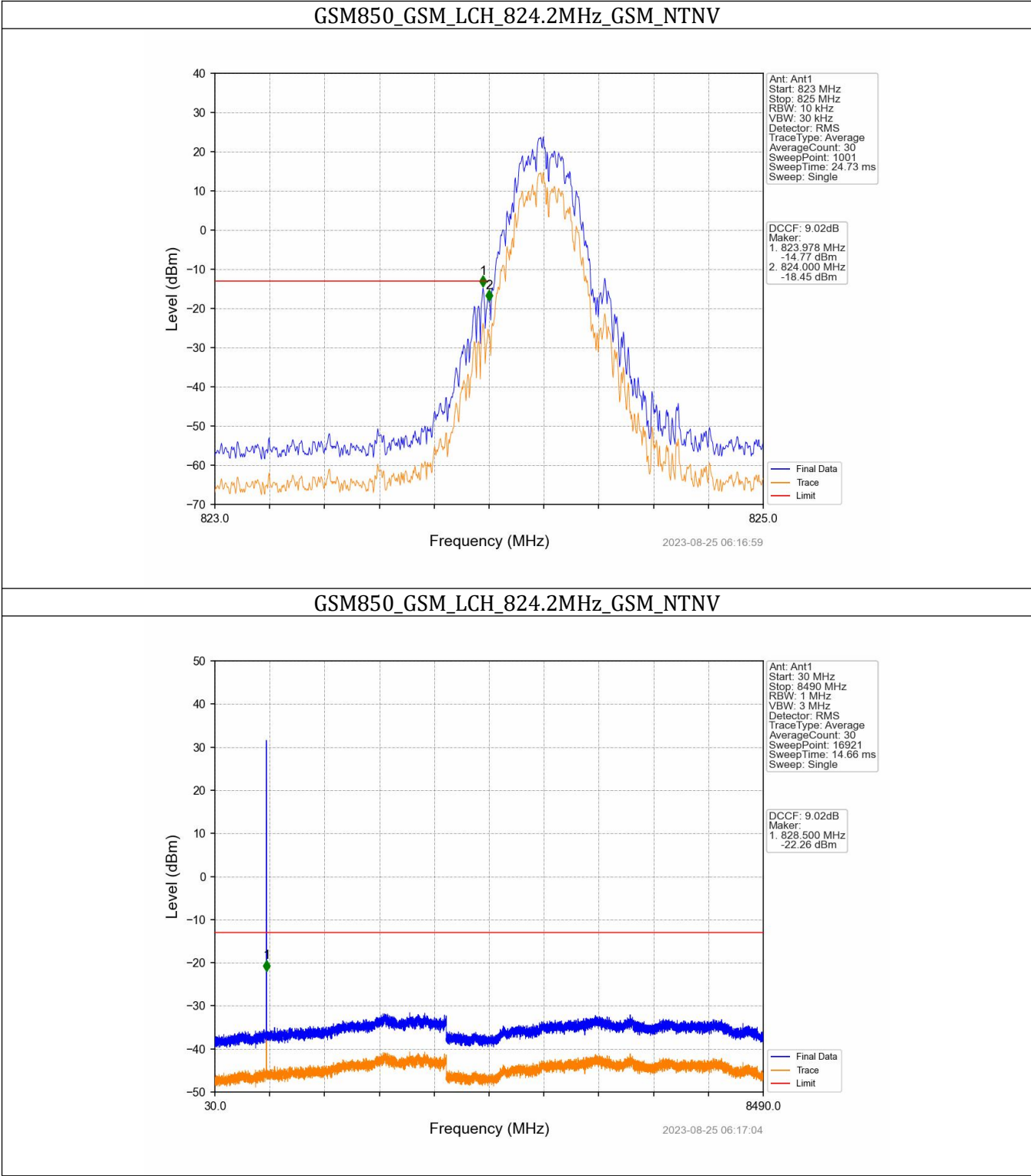
6. Spurious Emission

6.1 GSM850

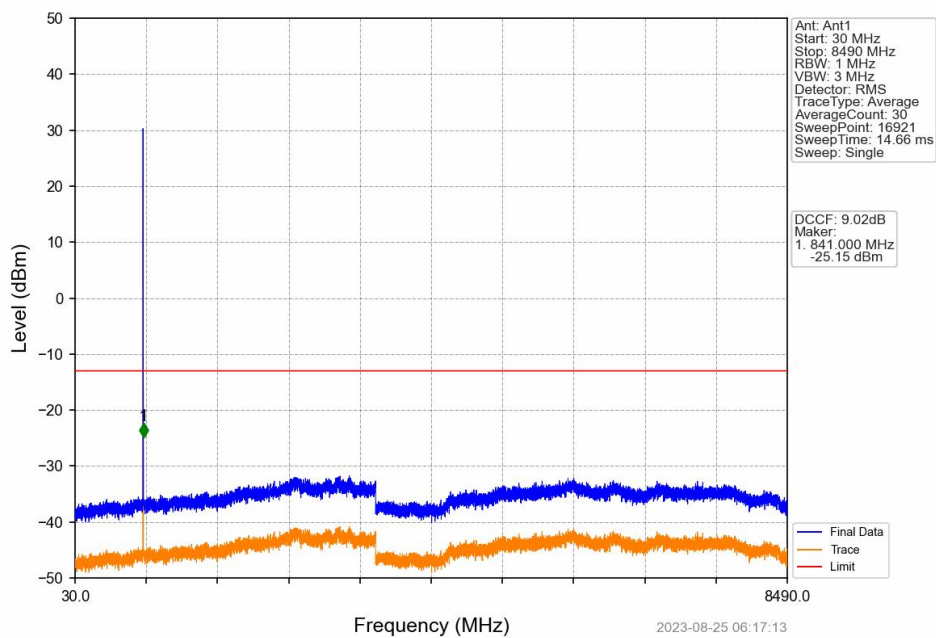
6.1.1 Test Result

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

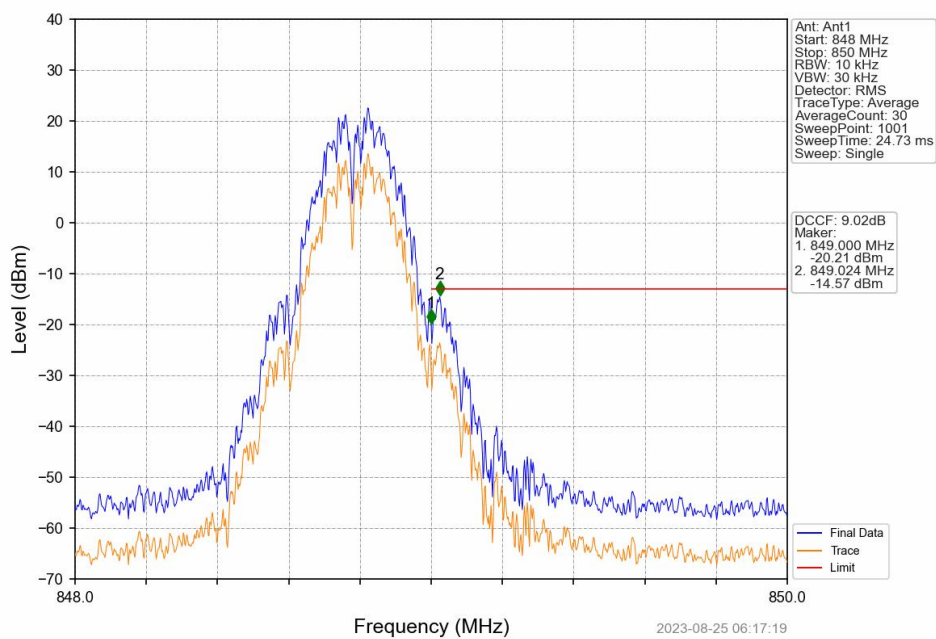
6.1.2 Test Graph

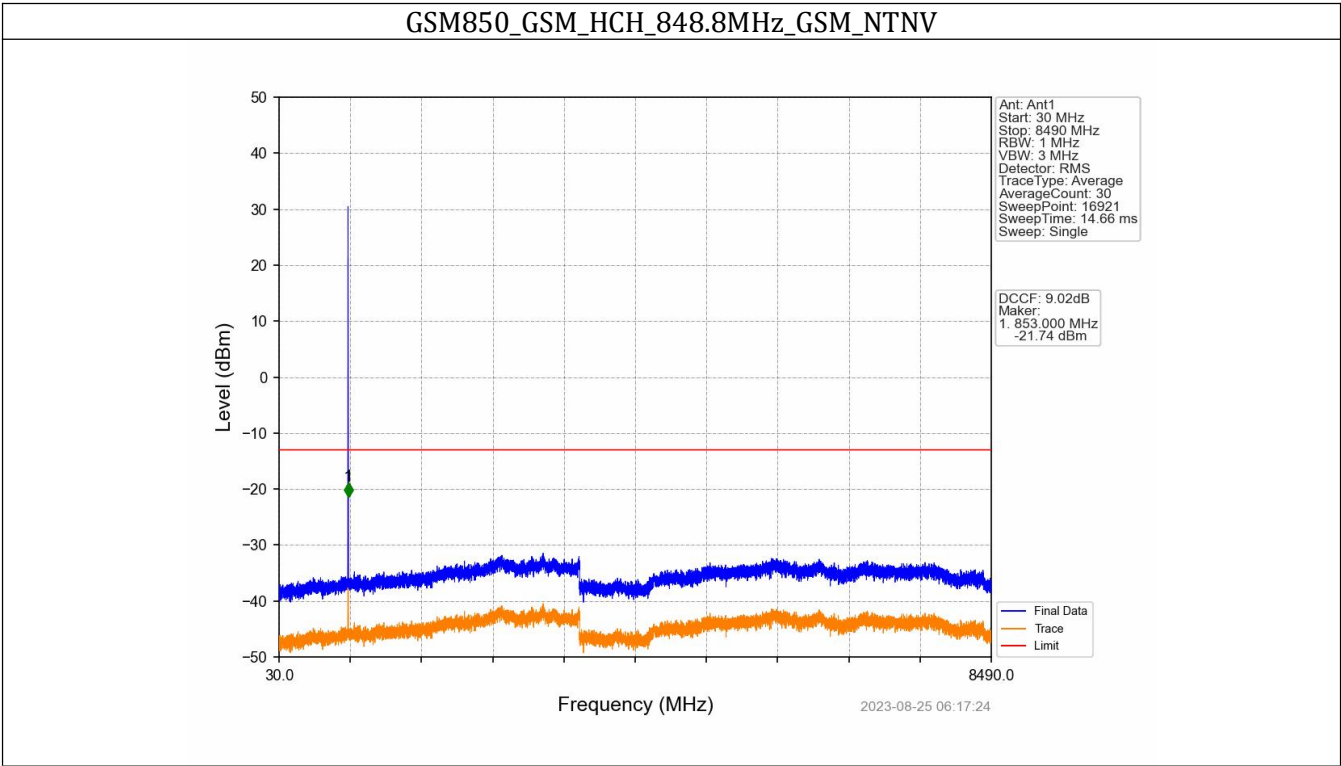


GSM850_GSM_MCH_836.6MHz_GSM_NTNV



GSM850_GSM_HCH_848.8MHz_GSM_NTNV





7. Form731

7.1 Form731_Power

7.1.1 Test Result

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	0.1798	0.0219	ppm	247KGXW	22H	22.55

7.2 Form731_ERP

7.2.1 Test Result

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	0.1798	0.0219	ppm	247KGXW	22H	22.55