

EXHIBIT 2

Signed Statement

MIKES PRODUCT SERVICE GmbH · Postfach 28 · 94340 Strasskirchen

 Ohmstrasse 2 – 4
 94342 Strasskirchen
 Telefon (09424) 9407-0
 Telefax (09424) 9407-60

ENGINEERING STATEMENT

Ihr Zeichen/Nachricht vom

Tel.-Durchwahl

Unser Zeichen

Datum

For Certification of

Marposs S. p. A.**E 86**

FCC ID: NXIE86P

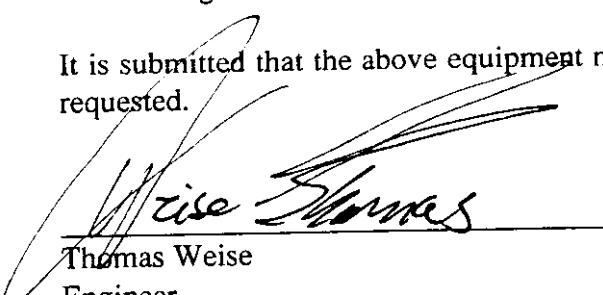
I am an electromagnetic compatibility test engineer for MIKES Product Service GmbH, Strasskirchen, Germany. My education and experience are a matter of record with the Federal Communications Commission.

MIKES Product Service GmbH has been authorized to act on behalf of Marposs S. p. A. to make FCC Part 15.249 certification measurements on the Transceiversystem „E86“.

Test data required by the FCC for Certification is included in this test report.

These tests were made by me or under my supervision at MIKES Product Service Laboratory, which is registered with the FCC under Paragraph 15.247 of the FCC Rules.

It is submitted that the above equipment meets FCC requirements and Certification is hereby requested.



 Thomas Weise
 Engineer
 MIKES Product Service GmbH

Dated: May 29, 1998

MIKES PRODUCT SERVICE GmbH · Unternehmungsgruppe TÜV Süddeutschland
 Handelsregister Straubing HRB 9482 · Ust. Id. Nr.: DE 131455824
 Geschäftsführer: Günter Mikes

 Dresdner Bank (BLZ 70080000) Konto-Nr. 822202200
 Raiffeisenbank (BLZ 74163005) Konto-Nr. 115002

 Hypobank Plattling (BLZ 74320307) Konto-Nr. 3120235914
 Postbank Nürnberg (BLZ 76010085) Konto-Nr. 247759-852



MARPOSS

FCC ID: NXIE86P

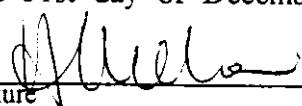
AUTHORIZATION AGREEMENT FCC PART 15 SUBMITTAL

I, *Alberto Melloni*, appoint TÜV Product Service Inc. to act as the authorized representative in the preparation of applications for registration of equipment under Part 15 of the Rules and Regulations of the Federal Communications Commission. I certify that the information provided to TÜV Product Service Inc. properly describes the device or system for which equipment authorization is requested.

APPLICANT ANTI-DRUG ABUSE CERTIFICATION:

The applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits, that includes FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 853(a), or, in the case of a non-individual applicant (e.g. corporation, partnership or other unincorporated association) no party to the application is subject to a denial of federal benefits, that includes FCC benefits, pursuant to that section. For the definition of a party for the purposes see 47 CFR 1.2002(b).

This Authorization Agreement, dated this 19th day of March, 1998
expires on the 31st day of December, 2000

By 

ALBERTO MELLONI
Printed

Title Production Manager

Applicant MARPOSS S.p.A.

(Must agree with section I on FCC Form 731 - Applicants Full Business Name)

via Saliceto 13

Address

Bentivoglio (BO) - 40010 - Italy

City, State and ZIP



CONSTRUCTIONAL, SAFETY AND MEETING OF RADIO EQUIPMENT

Licence holder: MARPOSS S.p.A.
Address: Via Saliceto 13 - 40010 Bentivoglio (BO) - ITALY
Manufacturer: MARPOSS S.p.A.
Address: Via Saliceto 13 - 40010 Bentivoglio (BO) - ITALY
Type: E86
Model:
Serial-No.: Protection class:

Application for getting
 national approval in the following countries: USA and CANADA
 EC-type examination

Additional informations to the above named model:

Antenna:

base station transceiver: Type: $\lambda/4$ shortened with a central helic
Length/size: 67mm

probe station transceiver: Type: $\lambda/4$ microstrip on teflon
Length/size: 59mm

Power supply of the base station:

Type: DC supplied by the ancillary device nominal voltage: 16 V

lowest voltage: 12 V

highest voltage: 18 V

Power supply of the receiver:

Type: DC supplied by a battery size ANSI 1604 nominal voltage: 9 V

lowest voltage: 5 V

highest voltage: 10 V

Ancillary equipment:

Description: Interface whit the CNC Type: E86 INTERFACE Serial-no.:

Description: Type: Serial-no.:

Description: Type: Serial-no.:

Extreme temperature range in which the approval test should be performed:

Category I: General (-20°C to +55°C) Category II: Portable (-10°C to +55°C)

Category III: Equipment for normal indoor use (0°C to +55°C)

Connectable cables:

Name of the cable	Digital	Length/m	shielded
Data/power cable	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	max. 30m	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no		<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

If applicable, if necessary complete overleaf

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Type designation: E86

Name and type designation of individual units comprising the radio equipment:

- 1) E86 - base station
- 2) E86 - probe station

Type of equipment:

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Radiotelephone equipment | <input type="checkbox"/> Remote-control equipment | <input type="checkbox"/> Radiomaritime equipment | <input checked="" type="checkbox"/> LPD |
| <input type="checkbox"/> One-way radiotelephone equipment | <input type="checkbox"/> Inductive loop system | <input type="checkbox"/> Inland waterways equipment | <input type="checkbox"/> RLAN |
| <input type="checkbox"/> Personal paging system | <input type="checkbox"/> Radio-relay system | <input type="checkbox"/> Radionavigation equipm. | <input type="checkbox"/> |
| <input type="checkbox"/> Satellite earth station | <input type="checkbox"/> CB radiotelephone equipment | <input type="checkbox"/> Antenna | <input type="checkbox"/> |
| <input type="checkbox"/> Data transmission equipment | <input type="checkbox"/> Movement detector | <input type="checkbox"/> Aeronautical equipment | <input type="checkbox"/> |

Technical characteristics:

	Base station transmitter	Probe station transmitter	
Frequency range	913.5 Mhz	912.2 - 916.8 MHz	
Maximum no. of channels	1 single channel	16 channels	
Channel spacing		200 KHZ	
Class of emission (type of modulation)	A1D	F7D	
Maximum RF output power			
Maximum RF electric field	50 mV/m @ 3m	50 mV/m @ 3m	
Output power variable	NO	NO	
Channel switching frequency range	0	4.6 MHz	
Method of frequency generation (TX)	SAW Resonator	Synthesizer	
Frequency generation RX	Synthesizer	No oscillator	
IF	1st IF: 110.2 - 110.8 Mhz 2nd IF: 10.7 Mhz	No IF	
Power source	24VDC from E86interface	Integral (9V battery)	
Integral selective calling	NO		
Audio-frequency interface level at external data socket	No audio output		
Modes of operation	<input type="checkbox"/> Duplex mode	<input checked="" type="checkbox"/> Semi-duplex mode	<input type="checkbox"/> Simplex mode
Antenna socket	<input type="checkbox"/> BNC <input type="checkbox"/> M <input checked="" type="checkbox"/> None	<input type="checkbox"/> TNC <input type="checkbox"/> UHF <input type="checkbox"/>	<input type="checkbox"/> N <input type="checkbox"/> Adapter <input type="checkbox"/>
Type approval specifications:			

Declarations:

- We declare that the above information are correct and the named model was supplied with the maximum configuration to the accredited test laboratory.

BENTIVOGLIO

date 27/04/1998

place of issue

Giulio Ferri'

Seal and signature of applicant

MARPOSS s.p.a.

Via Galiceto, 13
 40010 BENTIVOGLIO BO
 ITALIA

Attachment to

EMISSION -- TEST REPORT

T12769-1-06TW

Testreport file no. : **T12769-1-13TW** Date : Oct. 12, 1998
of issue

Model : E 86 Probestation Transmitter Part

Kind of Product : Remote Command Unit

Applicant : Marposs S.p.A.

Manufacturer : Marposs S.p.A.

Licence holder : Marposs S.p.A.

Address : Via Saliceto 13

40010 Bentivoglio BO - Italia

Test result accrdg.
to the regulation(s)
at page 3 : Positive Negative

This testreport with appendix consists of **4** pages.

The testresult only responds to the tested sample. It is not allowed to copy
this report even partly without the allowance of the testlaboratory.

The measurement of the equivalent radiated emissions in the frequency range 1 GHz - 18 GHz were performed in horizontal and vertical antenna polarisation at a non-reflecting test-site and a testdistance of:

- o - Test not applicable

Testlocation :

- - Open-site 1
 - - Open-site 2
 - - Anechoic chamber
 - - Full compact chamber

 - - 1 meters
 - - 3 meters
 - - 10 meters

Used testinstruments:

- - FSEM-30 Rohde & Schwarz O.-No.: 04-7/74-97-001

Test - accessoires:

- - 31115 Horn antenna EMCO O.-No.: 04-7/62-
 - - AWT 4534 amplifier AVANTEK O.-No.: 04-7/66-89-217
 - - AWT 8035 amplifier AVANTEK O.-No.: 04-7/66-89-218
 - - AWT 12435 amplifier AVANTEK O.-No.: 04-7/66-89-219
 - - Sucoflex 104 cable Suhner O.-No.: 04-7/60-90-231

All used test-instruments as well as the Test-accessories are calibrated regularly.

The requirements are

• - MET

O - NOT MET

Min. limit margin

5 dB at 1.829 GHz

Max. limit exceeding

dB at GHz

Remarks: The limits are met. The measurement has been performed in Peak-mode, critical results have been remeasured in average mode.

For plot see Page B3-B8.

Summarizing of testresult: Receiver Basestation

Frequency GHz	L: Peak dB μ V	L: AV dB μ V	Correct.	L: Peak dB μ V/m	L: AV dB μ V/m	Limit dB μ V/m
1.8236 CH1	64.1	--	-16.0	48.1	--	54
1.8296 CH6	64.3	--	-16.0	48.3	--	54
1.8297 CH16	64.4	--	-16.0	48.4	--	54

Spurious emissions

The final level, expressed in dB μ V/m, is arrived at by taking the reading from the Spectrumanalyzer in dB μ V and adding the correction factor of the test setup. This is done by hand after printing out the test result. That means, the plotted test result shows the **not corrected** values of the measurement.

Example of the correction value at 1.8236 GHz

correction EMCO 3115	correction Amplifier AWT 8035 + cable	correction
+25.7	-41.7	-16

SUMMARY

GENERAL REMARKS:

This is an attachment to the testreport T12769-1-06TW with additional test result.

The model E 86 consists of two transceiver (Base- and Probestation). This testreport covers the transmitter part of the Basestation.

For further results on the E86 unit see the following test reports:

T12769-1-04TW Transmitter part of Basestation
T12769-1-05TW Receiver part of Basestation
T12769-1-07TW Receiver part of Probestation

FINAL JUDGEMENT:

The requirements according to the technical regulations and tested operation modes are

- = met.
○ = not met.

The equipment under test

- - Fulfills the general approval requirements cited on page 3.
 - - Does not fulfill the general approval requirements cited on page 3.

Date of receipt of test sample : accdg. to storage record of MPS

Testing Start Date : March 09, 1998

Testing End Date : March 11, 1998

- MIKES PRODUCT SERVICE GmbH -

Test-engineer

J. V. D. ~~Stöckli~~

Günter Mikes
Dipl.Ing.(FH)

Thomas Weise
Dipl.Ing.(FH)

To: Internet Gateway@Services[<rfabina@fcc.gov>]
From: Joel T. Schneider@EMC
Cc:
Bcc:
Subject: re: ADDITIONAL INFORMATION ON FCC ID: NXIE86P [Correspondanc...
Attachment:
Date: 9/17/98 08:15

Hi, Rich. I apologize for the confusion. We did send in two applications together, one for certification with \$895 on the transmitter portion of the transceiver, and one for notification with \$140 on the receiver portion of the transceiver. Section 2.925(b) states that applications for transmitter & receiver of transceiver can be submitted under the same FCC ID number, so there should actually be two submittals under this ID number. I had assumed that these would be kept together when sent for technical review. I was not aware of the notification waiver on this receiver. I was told by the manufacturer that the receiver was not a superregenerative type. P. 8 of 14 of the Marposs technical description states "this receiver is a direct demodulation type and does not use any type of frequency conversion." So the main problem I see is where is the transmitter submittal? Could it have been directed to another engineer for review? We do have a copy of the data submitted, but no original photographs. The second problem is the additional monies. I don't suppose it could be as simple as refunding only \$95 from the receiver application. I will gladly resubmit another Form 731 for \$940 (with a check for \$45 differential from the amount already submitted) if that is what is required, but what avenue can I pursue to find out where the transmitter submittal for this ID went? I know you guys are real busy right now, but I eagerly await your response. Thanks.

Original text

From: OET <oetech@fccsun07w.fcc.gov>, on 9/16/98 15:46:
To: Joel T. Schneider@EMC@PSNBL

SUBJECT too long. Original SUBJECT is
ADDITIONAL INFORMATION ON FCC ID: NXIE86P [Correspondance ID: 3447]

----- Original Message Follows -----
ONLY ONE ELECTRONIC RESPONSE PER REFERENCE NUMBER (shown at the end of this email) IS ACCEPTED ELECTRONICALLY VIA THE INTERNET. PLEASE DO NOT SUBMIT A PARTIAL RESPONSE OR ASK QUESTIONS ABOUT THIS REQUEST FOR ADDITIONAL INFORMATION VIA THE INTERNET. PARTIAL RESPONSES MUST BE SENT VIA STANDARD METHODS LIKE FAX, EMAIL OR MESSENGER SERVICE. QUESTIONS ABOUT THIS REQUEST FOR ADDITIONAL INFORMATION MUST BE ASKED VIA TELEPHONE AT 301-725-1585, EXTENSION 220. YOUR COOPERATION IS APPRECIATED.

1. You got big problems with this application. First, there is no application on file with the Commission for Certification of the transmitter portion of this device. This device is a transceiver. A transmitter contained in a transceiver requires Certification in accordance with Section 15.201(b) of the FCC Rules. The fee paid for this device (\$140.00) is for a receiver!?!? In addition, the fees just changed on September 14, 1998. As of Monday, September 14, 1998, the fee for Certification of a transmitter is \$940.00 (up from \$895.00). You must submit another application (731) form with the new fee for Certification of this transmitter to Equipment Approval Services (EAS) in Pittsburgh, PA. DO NOT SUBMIT THIS APPLICATION WITH FEE ATTACHED DIRECTLY TO THE FCC LAB. An application with a fee attached must

be submitted to EAS for processing of the fee. See Section 1.1103 of the Rules for the complete address of EAS. Be sure to include all the information required by the FCC Rules in the application for Certification of this transmitter.

2. Now for the receiver portion of this transceiver. A superheterodyne receiver, that is subject to Notification and is contained in a transceiver whose transmitter requires Certification, only requires Verification in accordance with Section 15.101(b) of the Rules. However, a superregenerative receiver would still require Certification in accordance with Section 15.101(a). Pursuant to Section 2.1033(c), a transceiver with a Part 15 transmitter and a superreg receiver would require two applications with two fees for Certification, one fee for a transmitter (\$940.00) and one fee for a superreg receiver (\$365.00). REMEMBER THE FEES JUST WENT UP! I've looked at the operational description and the schematics and I cannot determine if this is a superheterodyne or a superregenerative receiver. Please describe what type of receiver it is. Based upon what type of receiver it is, the options are:

(a) If its a superheterodyne receiver, the receiver application is unnecessary. I will dismiss the receiver application and refund the \$140.00 fee paid for Notification.

(b) If its a superregenerative receiver, I'll need test data showing compliance with the receiver limits in Part 15, Subpart B and another application with the fee for Certification of a superregenerative receiver (\$365.00) submitted to EAS. Since we cannot accept more than one check for each application (731) form, you cannot pay the difference between the fee already paid (\$140.00) and the required fee of \$365.00. You must submit the total amount of \$365.00. We will refund the \$140.00 fee payment when this device is granted equipment authorization.

731 Confirmation Number: EA91200

rfabina@fcc.gov

09/16/1998=====

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days of 09/16/1998 may result in application dismissal pursuant to Section 2.917(c) and forfeiture of the filing fee pursuant to Section 1.1106.

DO NOT Reply to this email by using the 'Reply' button. In order for your response to be processed expeditiously, you must upload your response via the Internet at <https://gullfoss.fcc.gov/prod/oet/index.html>