

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

GRANT OF EQUIPMENT AUTHORIZATION

Certification

Nokia Mobile Phones Inc
6200 Courtney Campbell Causeway, Ste 900
PO Box 30730
Tampa FL 33630-3730

Date of Grant: 1/19/99

Application Dated: 7/28/98

17.9

Attention: Paul Chellgren, President

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for
the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER

GMLNHA-9

Name of Grantee

Nokia Mobile Phones Inc

Equipment Class : Non-Broadcast Transmitter - Held to Ear

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
BC	22(H)	824 - 849	0.36	2.5 PM	40K0F8W
BC	22(H)	824 - 849	0.36	2.5 PM	40K0F1D

Power output listed is ERP.

BC: The output power is continuously variable from the value listed in this entry to 5%-10% of the value listed.

Mail To:

Morton Flom, President
Morton Flom Associates, Inc.
3356 N. San Marcos Place, Suite 107
Chandler, AZ 85224-1571

9808058315872003

EA#91303

FEDERAL COMMUNICATIONS COMMISSION
 Approved by OMB 3060-0057 **FCC FORM 731** 9/13/95
APPLICATION FOR EQUIPMENT AUTHORIZATION

For
FCC
use
only

SECTION I - ALL ITEMS IN THIS SECTION MUST BE COMPLETED

1. Applicant's complete, legal business name NOKIA MOBILE PHONES, INC.		Check here if this is a change in address not previously reported (See 47 CFR §2.934)	
2. Applicant's mailing address (Line 1) 6200 COURTNEY CAMPBELL CAUSEWAY, STE 900		AUG 10 1998	
Applicant's mailing address (Line 2) (if required) P.O. BOX 30730		Bureau Use Only Equipment Code: TNE	
City TAMPA		Engineer: FC	
State or Country (if foreign address) FLORIDA		Examiner: JB	
ZIP/Postal Code 33630-3730	3. FCC ID: (a) Grantee Code G M L	(b) Equipment Product Code (14 characters maximum, show zeros as 0) NHA-9	
4. Name, Title and Mail Stop, if any, of person at the applicant's address to receive grant, or for contact: (See instructions) PAUL CHELLGREN, PRESIDENT			
5.(a) Telephone No. (Area/Country/City code, No. and Ext.) (813) 288-3800		(b) FAX No. (Area/Country/City code and No.) N/A	
(c) Internet e-mail address:			

SECTION II - See 47 CFR §1.1103 for Fee Type Codes and Fees. Fee Type Codes are listed in Paragraph C of the attached instructions.

Enter in Column (A) the correct Fee Type Code for the service for which you are applying. Enter in Column (B) the result obtained from multiplying the Fee amount for the Fee Type Code in Column (A) by the number entered in Column (B). If requesting more than ONE service, enter additional Fee Type Code(s) in Section III below.

(A) FEE TYPE CODE	(B) FEE MULTIPLE	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(1) E B T	0 0 0 1	\$ 130.00	

SECTION III - Use when requesting more than one service. If only one service is requested, complete only Section II and Section III, Item (5).

(A) FEE TYPE CODE	(B) FEE MULTIPLE	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(2) E F T	0 0 0 1	\$ 450.00	
(3) 	0 0 0 1	\$	
(4) 	0 0 0 1	\$	
(5) Add all amounts shown in column C, lines (1) through (4), and enter the total here. This amount should equal your enclosed remittance.		TOTAL AMOUNT REMITTED WITH THIS APPLICATION OR FILING \$ 580.00	FOR FCC USE ONLY

M.F.A. INC. (AGENT) VISA

SECTION IV - Enter FCC ID from Page 1, Section I **GML NHA-9**

1 (a) Instead of Applicant, FCC is authorized to mail original Grant to: (See instructions)

Firm name, **M. FLOM ASSOCIATES, INC.**
 number, street, **3356 N. San Marcos Place, Suite 107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224-1571**

(b) Name, Title and Mail Stop, if any, of person at above address to receive Grant: (If 1.(a) is completed, this item must be completed)

MORTON FLOM, P. Eng., President

2.(a) Technical contact:

Firm name, **M. FLOM ASSOCIATES, INC.**
 contact person, **MORTON FLOM, President**
 number, street, **3356 No. San Marcos Place, #107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224 1571**

(b) Telephone No. (Area/Country/City code, No. and Ext.)

602 926 3100

(c) FAX No. (Area/Country/City code and No.)

602 926 3598

(d) Internet e-mail address:

mflom@goodnet.com

(e) Non-Technical contact:

Firm name, **M.FLOM ASSOCIATES, INC.**
 contact person, **MORTON FLOM, President**
 number, street, **3356 No. San Marcos Place, #107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224 1571**

(f) Telephone No. (Area/Country/City code, No. and Ext.)

602 926 3100

(g) FAX No. (Area/Country/City code and No.)

602 926 3598

(h) Internet e-mail address:

mflom@goodnet.com

3. Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR §0.459 of the Commission's Rules? If "Yes" see instructions.

☒ Yes

☐ No

4. Does the applicant request that the Commission defer grant of this application pursuant to 47 CFR §0.457(d)(1)(ii)? (See instructions)

☐ Yes

☒ No

5. Type of equipment authorization requested: (check one box only)

☐ Certification

☒ Type Acceptance

☐ Notification

6.(a) Equipment Code and description: (See instructions, page 4)

T N E **NON-BROADCAST TRANSMITTER HELD TO**
(CELLPHONE HANDHELD TO EAR)

(b) Equipment will be operated under FCC Rule Part(s):

22H, CONFIDENTIALITY

7. Application is for: (Check one box only)

☒ 1. Original equipment
 (See instructions)

☐ 2. Change in identification of presently authorized equipment

☐ 3. Class II permissive change or modification of presently authorized equipment

(See instructions)

ORIGINAL FCC ID

Grant date

8. EQUIPMENT SPECIFICATIONS: (See instructions)

(a) Frequency range in MHz

(b) Rated RF power output in watts

(c) Frequency tolerance % Hz, ppm

(d) Emission designator (See 47 CFR §2.201 and §2.202)

(e) Microprocessor model number

824-849 MHz

0.006-0.5 Watts

±2.5 ppm

**4CK0F8W
4CK0F1D**

N/A

**MEASURED:
26.9 dbm
0.5 W.**

9. Is the equipment in this application:

(a) a composite device subject to more than one type of equipment authorization?

☐ Yes

☒ No

(b) part of a system that operates with, or is marketed with, another device that requires an equipment authorization?

☐ Yes

☒ No

If either of the above questions is answered "Yes" complete items 10.(a) and (b). (See instructions)

COMPLETE, SIGN and DATE Page 3

SECTION IV (continued) - Enter FCC ID from Page 1, Section I ▶ GML NHA-910.(a) Additional type of equipment authorization required: ☐ Certification ☐ Type Acceptance ☐ Notification

(b) The related application checked in item 10.(a) (Check one box only)

- ☐ has been filed at the same time as this application under the FCC ID listed below
- ☐ has been granted under the FCC ID listed below
- ☐ is in the process of being filed under the FCC ID listed below
- ☐ is pending with the FCC under the FCC ID listed below

FCC ID

11.(a) Name of test firm on file with the FCC, if different from applicant or contact person:

M. FLOM ASSOCIATES, INC.**(FCC FILE: 31040/SIT)**

(b) Mailing address, number, street, City, State/Country, ZIP/Postal Code

**3356 N. San Marcos Place #107
CHANDLER, ARIZONA, U.S.A.
85224-1571**

(c) Telephone No. (Area/Country/City code, No. and Ext.)

602: 926 3100

(d) FAX No. (Area/Country/City code and No.)

602: 926 3598(e) Internet e-mail address: **mflom@goodnet.com**

12. Number of exhibits submitted with this application: _____

SECTION V - Read each certification carefully before answering and signing this application.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

1. SECTION 5301 (ANTI-DRUG ABUSE) CERTIFICATION:

The applicant must certify that neither the applicant nor any party to the application is subject to a denial of Federal benefits, that include FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862 because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the definition of a "party" for these purposes.

Does the applicant or authorized agent so certify? ☒ Yes ☐ No**2.(a) APPLICANT/AGENT CERTIFICATION:**

I certify that I am authorized to sign this application. All of the statements herein and the exhibits attached hereto, are true and correct to the best of my knowledge and belief. In accepting a Grant of Equipment Authorization issued by the FCC as a result of the representations made in this application, the applicant is responsible for (1) labeling the equipment with the exact FCC ID specified in this application, (2) compliance statement labeling pursuant to the applicable rules, and (3) compliance of the equipment with the applicable technical rules. If the applicant is not the actual manufacturer of the equipment, appropriate arrangements have been made with the manufacturer to ensure that production units of this equipment will continue to comply with the FCC's technical requirements.

Authorizing an agent to sign this application, is done solely at the applicant's discretion; however, the applicant remains responsible for all statements in this application.

If an agent has signed this application on behalf of the applicant, a written letter of authorization which includes information to enable the agent to respond to the above Section 5301 (Anti-Drug Abuse) Certification statement has been provided by the applicant. It is understood that the letter of authorization must be submitted to the FCC upon request, and that the FCC reserves the right to contact the applicant directly at any time.



Original written signature of authorized signer

a. MORTON FLOM, P. Eng., Presidentor **b.**

▲ Typed/printed name of authorized signer

JULY 28, 1998

▲ Date (Month, Day, Year)

PRESIDENT -or- Director-Operations

▲ Title of authorized signer

(b) Agent's business name, number, street, City, State/Country, ZIP/Postal Code

**M. FLOM ASSOCIATES, INC.
3356 N. San Marcos Place, #107
Chandler, Arizona, U.S.A.
85224-1571**

(c) Telephone No. (Area/Country/City code, No. and Ext.)

602: 926-3100

(d) FAX No. (Area/Country/City code and No.)

602: 926-3598(e) Internet e-mail address: **mflom@goodnet.com**

AMENDED: JANUARY 12.1999

GMLNH4-9

SECTION IV - Enter FCC ID from Page 1, Section I

1.(a) Instead of Applicant, FCC is authorized to mail original Grant to: (See instructions)

Firm name, **M. FLOM ASSOCIATES, INC.**
 number, street, **3356 N. San Marcos Place, Suite 107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224-1571**

(b) Name, Title and Mail Stop, if any, of person at above address to receive Grant: (If 1.(a) is completed, this item must be completed)

MORTON FLOM, P. Eng., President

2.(a) Technical contact:

Firm name, **M. FLOM ASSOCIATES, INC.**
 contact person, **MORTON FLOM, President**
 number, street, **3356 No. San Marcos Place, #107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224 1571**

(b) Telephone No. (Area/Country/City code, No. and Ext.)

602 926 3100

(c) FAX No. (Area/Country/City code and No.)

602 926 3598

(d) Internet e-mail address:

mflom@goodnet.com

(e) Non-Technical contact:

Firm name, **M.FLOM ASSOCIATES, INC.**
 contact person, **MORTON FLOM, President**
 number, street, **3356 No. San Marcos Place, #107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224 1571**

(f) Telephone No. (Area/Country/City code, No. and Ext.)

602 926 3100

(g) FAX No. (Area/Country/City code and No.)

602 926 3598

(h) Internet e-mail address:

mflom@goodnet.com

3. Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR §0.459 of the Commission's Rules? If "Yes" see instructions.

☒ Yes ☐ No

4. Does the applicant request that the Commission defer grant of this application pursuant to 47 CFR §0.457(d)(1)(ii)? (See instructions)

☐ Yes ☒ No

5. Type of equipment authorization requested: (check one box only)

☒ Certification☐ Type Acceptance☐ Notification

6.(a) Equipment Code and description: (See instructions, page 4)

T N E Non-Broadcast Transmitter Held to Ear

(b) Equipment will be operated under FCC Rule Part(s):

22H, CONFIDENTIALITY

7. Application is for: (Check one box only)

☒ 1. Original equipment
(See instructions)☐ 2. Change in identification of presently authorized equipment☐ 3. Class II permissive change or modification of presently authorized equipment
(See instructions)

ORIGINAL FCC ID

Grant date

8. EQUIPMENT SPECIFICATIONS: (See instructions)

(a) Frequency range in MHz	(b) Rated RF power output in watts	(c) Frequency tolerance %, Hz, ppm	(d) Emission designator (See 47 CFR §2.201 and §2.202)	(e) Microprocessor model number
824-849	MANUFACTURER'S RATING: 0.006-0.480W ERP, MEASURED 0.359 W 25.55 dbm	±2.5 ppm	40K0F8W 40K0F1D	-

9. Is the equipment in this application:

(a) a composite device subject to more than one type of equipment authorization?

☐ Yes ☒ No

(b) part of a system that operates with, or is marketed with, another device that requires an equipment authorization?

☐ Yes ☒ No

If either of the above questions is answered "Yes" complete items 10.(a) and (b). (See instructions)

COMPLETE, SIGN and DATE Page 3

FCC Form 731 - Page 2 of 3

March, 1999

Revised Dec. 16, 1998

SECTION IV - Enter FCC ID from Page 1, Section I

GMLNHA-9

1.(a) Instead of Applicant, FCC is authorized to mail original Grant to: (See instructions)

Firm name, **M. FLOM ASSOCIATES, INC.**
 number, street, **3356 N. San Marcos Place, Suite 107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224-1571**

(b) Name, Title and Mail Stop, if any, of person at above address to receive Grant: (If 1.(a) is completed, this item must be completed)

MORTON FLOM, P. Eng., President

2.(a) Technical contact:

Firm name, **M. FLOM ASSOCIATES, INC.**
 contact person, **MORTON FLOM, President**
 number, street, **3356 No. San Marcos Place, #107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224 1571**

(b) Telephone No. (Area/Country/City code, No. and Ext.)

602 926 3100

(c) FAX No. (Area/Country/City code and No.)

602 926 3598

(d) Internet e-mail address:

mflom@goodnet.com

(e) Non-Technical contact:

Firm name, **M.FLOM ASSOCIATES, INC.**
 contact person, **MORTON FLOM, President**
 number, street, **3356 No. San Marcos Place, #107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224 1571**

(f) Telephone No. (Area/Country/City code, No. and Ext.)

602 926 3100

(g) FAX No. (Area/Country/City code and No.)

602 926 3598

(h) Internet e-mail address:

mflom@goodnet.com

3. Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR §0.459 of the Commission's Rules? If "Yes" see instructions.

☒ Yes☐ No

4. Does the applicant request that the Commission defer grant of this application pursuant to 47 CFR §0.457(d)(1)(ii)? (See instructions)

☐ Yes☒ No

5. Type of equipment authorization requested: (check one box only)

☒ Certification☐ Type Acceptance☐ Notification

6.(a) Equipment Code and description: (See instructions, page 4)

T N E Non-Broadcast Transmitter Held to Ear
 (TELEPHONE HANDHELD TO EAR)

(b) Equipment will be operated under FCC Rule Part(s):

22H, CONFIDENTIALITY

7. Application is for: (Check one box only)

☒ 1. Original equipment
 (See instructions)

☐ 2. Change in identification of presently authorized equipment

☐ 3. Class II permissive change or modification of presently authorized equipment

(See instructions)

ORIGINAL FCC ID

Grant date

8. EQUIPMENT SPECIFICATIONS: (See instructions)

(a) Frequency range in MHz	(b) Rated RF power output in watts	(c) Frequency tolerance % , Hz, ppm	(d) Emission designator (See 47 CFR §2.201 and §2.202)	(e) Microprocessor model number
824-849 MHz	Manufacturer Rating: 0.006 - 0.480W MEASURED: ERP 25.6 dbm 0.363 W	±2.5 ppm	40K0F8W 40K0F1D	n.a

9. Is the equipment in this application:

(a) a composite device subject to more than one type of equipment authorization?

☐ Yes☒ No

(b) part of a system that operates with, or is marketed with, another device that requires an equipment authorization?

☐ Yes☒ No

If either of the above questions is answered "Yes" complete items 10.(a) and (b). (See instructions)

COMPLETE, SIGN and DATE Page 3

FCC Form 731 - Page 2 of 3

AMENDED PAGE 2: Nov. 18.98

SECTION IV - Enter FCC ID from Page 1, Section I **GML NHA-9**

1.(a) Instead of Applicant, FCC is authorized to mail original Grant to: (See instructions)

Firm name, **M. FLOM ASSOCIATES, INC.**
 number, street, **3356 N. San Marcos Place, Suite 107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224-1571**

(b) Name, Title and Mail Stop, if any, of person at above address to receive Grant: (If 1.(a) is completed, this item must be completed)

MORTON FLOM, P. Eng., President

2.(a) Technical contact:

Firm name, **M. FLOM ASSOCIATES, INC.**
 contact person, **MORTON FLOM, President**
 number, street, **3356 No. San Marcos Place, #107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224 1571**

(b) Telephone No. (Area/Country/City code, No. and Ext.)

602 926 3100

(c) FAX No. (Area/Country/City code and No.)

602 926 3598

(d) Internet e-mail address:

mflom@goodnet.com

(e) Non-Technical contact:

Firm name, **M.FLOM ASSOCIATES, INC.**
 contact person, **MORTON FLOM, President**
 number, street, **3356 No. San Marcos Place, #107**
 City, State/Country, **CHANDLER, ARIZONA, U.S.A.**
 ZIP/Postal Code **85224 1571**

(f) Telephone No. (Area/Country/City code, No. and Ext.)

602 926 3100

(g) FAX No. (Area/Country/City code and No.)

602 926 3598

(h) Internet e-mail address:

mflom@goodnet.com

3. Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR §0.459 of the Commission's Rules? If "Yes" see instructions.

☒ Yes☐ No

4. Does the applicant request that the Commission defer grant of this application pursuant to 47 CFR §0.457(d)(1)(ii)? (See instructions)

☐ Yes☒ No

5. Type of equipment authorization requested: (check one box only)

☐ Certification☒ Type Acceptance☐ Notification

6.(a) Equipment Code and description: (See instructions, page 4)

T N E**NON-BROADCAST TRANSMITTER HELD FOR (CELLPHONE HANDSET)**

(b) Equipment will be

7. Application

(See instructions)

ORIGINAL FCC ID

Grant date

8. EQUIPMENT SPECIFICATIONS: (See instructions)

(a) Frequency range in MHz	(b) Rated RF power output in watts	(c) Frequency tolerance % Hz, ppm	(d) Emission designator (See 47 CFR §2.201 and §2.202)	(e) Microprocessor model number
824-849 MHz	0.006-0.450 W. MEASURED: 24.8 dbm 0.300 W.	±2.5 ppm	40K0F8W 40K0F1D	N/A

9. Is the equipment in this application:

(a) a composite device subject to more than one type of equipment authorization?

☐ Yes☒ No

(b) part of a system that operates with, or is marketed with, another device that requires an equipment authorization?

☐ Yes☒ No

If either of the above questions is answered "Yes" complete items 10.(a) and (b). (See instructions)

COMPLETE, SIGN and DATE Page 3

FCC Form 731 - Page 2 of 3

March, 1997

PAID BY CREDIT CARD

READ INSTRUCTIONS CAREFULLY
BEFORE PROCEEDING

FEDERAL COMMUNICATIONS COMMISSION

REMITTANCE ADVICE

FCC/MAILING

AUG 03 1998

PAGE NO. _____ OF _____

A

08-05-98 8315872 003

SPECIAL

FCC USE ONLY

(1) LOCKBOX #

SECTION A - PAYER INFORMATION

(2) PAYER NAME (if paying by credit card, enter name exactly as it appears on your card)

Morton FLOM

(3) TOTAL AMOUNT PAID (dollars and cents)

\$ 580.00

(4) STREET ADDRESS LINE NO. 1

care of: M. FLOM ASSOCIATES, INC.

(5) STREET ADDRESS LINE NO. 2

Suite 107, 3356 North San Marcos Place

(6) CITY

CHANDLER

(7) STATE

ARIZONA

(8) ZIP CODE

85224

(9) DAYTIME TELEPHONE NUMBER (include area code)

602 926 3100

(10) COUNTRY CODE (if not in U.S.A.)

IF PAYER NAME AND THE APPLICANT NAME ARE DIFFERENT, COMPLETE SECTION B
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C)

SECTION B - APPLICANT INFORMATION

(11) APPLICANT NAME (if paying by credit card, enter name exactly as it appears on your card)

NOKIA MOBILE PHONES, INC.

(12) STREET ADDRESS LINE NO. 1

6200 COURTNEY CAMPBELL CAUSEWAY, STE 900

(13) STREET ADDRESS LINE NO. 2

P.O. BOX 30730

(14) CITY

TAMPA

(15) STATE

FLORIDA

(16) ZIP CODE

33630-3730

(17) DAYTIME TELEPHONE NUMBER (include area code)

(813) 288-3800

(18) COUNTRY CODE (if not in U.S.A.)

COMPLETE SECTION C FOR EACH SERVICE. IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEETS (FORM 159-C)

SECTION C - PAYMENT INFORMATION

(19A) FCC CALL SIGN/OTHER ID

(19B) PAYMENT TYPE CODE (PTC)

(19C) QUANTITY

(19D) FEE DUE FOR (PTC) IN BLOCK 20A

FCC USE ONLY

E

B

T

one

\$ 130.00

130.00

(20A) FCC CODE 1

GML NHA-9

(20B) FCC CODE 2

(19A) FCC CALL SIGN/OTHER ID

(19B) PAYMENT TYPE CODE (PTC)

(19C) QUANTITY

(19D) FEE DUE FOR (PTC) IN BLOCK 20B

FCC USE ONLY

E

F

T

one

\$ 450.00

450.00

(20A) FCC CODE 1

GML NHA-9

(20B) FCC CODE 2

(19A) FCC CALL SIGN/OTHER ID

(19B) PAYMENT TYPE CODE (PTC)

(19C) QUANTITY

(19D) FEE DUE FOR (PTC) IN BLOCK 20C

FCC USE ONLY

(20A) FCC CODE 1

(20B) FCC CODE 2

(19A) FCC CALL SIGN/OTHER ID

(19B) PAYMENT TYPE CODE (PTC)

(19C) QUANTITY

(19D) FEE DUE FOR (PTC) IN BLOCK 20D

FCC USE ONLY

(20A) FCC CODE 1

(20B) FCC CODE 2

PAID BY CREDIT CARD

TAX/DAVEY INFORMATION (REQUIRED)

From: <Dave.Greenstreet@mp.nokia.com>
To: G1.G1 (FCOPERIC)
Date: 1/19/99 1:30pm
Subject: Nokia GML NHA-9 and NHA-9S Type Acceptances

Hello Frank,

With reference to our telephone conversation of today, the following is the short statement as requested :-

The H700-Pi project development management, Nokia (UK) agree that the transmitter ERP to be stated on the grants for both GML NHA-9 and GML NHA-9S to be 0.36 Watts.

Also, we will request our testhouse MFA in Chandler, Arizona to resend to the FCC, the GML NHA-9 confidentiality list with the item SAR Report struck through. This is to delete our request for SAR confidentiality.

Best regards,
Dave Greenstreet,
Nokia (UK) Ltd.

CC: FCCMAIL.SMTPNLM("william.plummer@ntc.nokia.com","P...")

* * * COMMUNICATION RESULT REPORT (JAN.12.1999 4:19PM) * * *

TTI FCC LAB 301-344-2050

FILE MODE	OPTION	ADDRESS (GROUP)	RESULT	PAGE
547 MEMORY TX		912028870432	OK	P. 2/2

REASON FOR ERROR
 E-1) HANG UP OR LINE FAIL
 E-3) NO ANSWER

E-2) BUSY
 E-4) NO FACSIMILE CONNECTION

To: Morton Flom, Morton Flom Associates, Inc.
 From: Frank Coperich
 fcoperic@fcc.gov
 FCC Application Processing Branch

Re: FCC ID GMLNHA-9

Applicant:
 Correspondence Reference Number:
 731 Confirmation Number:
 Date of Original E-Mail:

Nokia Mobile Phones Inc
 5268

EA91365

12/18/98

Subject:

1.) Your latest computation of "ERP" is in error because you used the EIRP formula. This .363 W (EIRP) value is equivalent to .215 W ERP. Also, .215 W ERP is lower than the .300 W ERP reported by Nokia. Therefore, the actual ERP output level for this is still uncertain. Please provide the final value to be used on the Grant.

2.) Your responses have not settled the matter concerning the Confidentiality status of the SAR report. The request for Confidentiality of the SAR test procedure cannot be granted since it is not a "Trade Secret". Please indicate the concurrence by Nokia for this status. We did receive a response for FCC ID: GMLNHA-9S but not for this unit.

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 the original e-mail date 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.

To:  Morton Flom, Morton Flom Associates, Inc.
From: Frank Coperich
fcoperic@fcc.gov
FCC Application Processing Branch

Re: FCC ID GMLNHA-9

Applicant:	Nokia Mobile Phones Inc
Correspondence Reference Number:	5268
731 Confirmation Number:	EA91365
Date of Original E-Mail:	<u>12/18/98</u>

Subject:

1.) Your latest computation of "ERP" is in error because you used the EIRP formula. This .363 W (EIRP) value is equivalent to .215 W ERP. Also, .215 W ERP is lower than the .300 W ERP reported by Nokia. Therefore, the actual ERP output level for this is still uncertain. Please provide the final value to be used on the Grant.

2.) Your responses have not settled the matter concerning the Confidentiality status of the SAR report. The request for Confidentiality of the SAR test procedure cannot be granted since it is not a "Trade Secret". Please indicate the concurrence by Nokia for this status. We did receive a response for FCC ID: GMLNHA-9S but not for this unit.

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 the original e-mail date 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 www.fcc.gov, Electronic Filing, OET Equipment Authorization Electronic Filing. If the response is submitted through Add Attachments, a message which informs the processing staff that a new exhibit has been submitted must also be submitted via Submit Correspondence. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.



M. Flom Associates, Inc. - Global Compliance Center
 3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571
 www.goodnet.com/~mflom, (602) 926-3100 FAX: 602-926-3598

TOTAL PAGES:	5
DATE:	January 12, 1999
VIA FAX:	1 301 344 2050
TO:	Federal Communications Comm.
ATTENTION:	Frank Coperich, Electronics
APPLICANT:	NOKIA MOBILE PHONES INC.
EQUIPMENT:	FCC ID: GMLNHA-9 (EA91365)
SUBJECT:	your fax January 11, 1998 Re

Frank:

Item 1. The power values shown in NOKIA's SA conducted values. We measured the values s attached.

Form 731, Para. 10 is amended and attached.

Item 2. Is there something 'out of whack' at the lab? Guess you are not receiving our fax's because we sent the attached on December 16, 1998 in reply to Corresp. #5064. This fax refers to CONFIDENTIALITY statement by Nokia...it simply means

- a. delete as confidential item (a) General Performance Specifications.
- b. delete as confidential, layout diagrams and parts list.

NOKIA concurs with these instructions. (SAR 6)

Please review the attached ASAP so that we can close this long drawn out matter.

Best regards,

MORTON FLOM, P. Eng.

mf;mgf
 encs.

cc: VIA FAX: 011 44 1252 305 200
 Attention: Dave Greenstreet

NOKIA R & D (UK) LTD.
 cc: above fax
 cc: amended Page 2 Form 731
 cc: values page

CONFIDENTIAL: The information in this message is intended only for the person(s) or organization(s) to whom it is addressed. If you are not that person, please call the sender collect, and destroy this copy.

MFA **M. Flom Associates, Inc. - Global Compliance Center**
3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571
www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	1
DATE:	December 16, 1998
VIA FAX:	1 301 344 2050
TO:	FEDERAL COMMUNICATIONS COMMISSION
ATTENTION:	Frank Coperich, Electronics Engineer
APPLICANT:	NOKIA MOBILE PHONES, INC.
EQUIPMENT:	FCC ID: Confirm. #EA91365
SUBJECT:	GMLNHA-9 Correspondence #5064

Hi Frank:

Reference the request for Confidentiality:

The Applicant confirms that item (a) is accepted as non-confidential, as well as (e) layouts and Parts Lists.

But that item (e), i.e. Block Diagrams, Schematic Diagrams are to be considered Confidential.

Thank you



MORTON FLOM, P. Eng.

mf;mgf

cc: U.K.

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* * * COMMUNICATION RESULT REPORT (JAN.12.1999 4:19PM) * * *

TTI FCC LAB 301-344-2050

FILE MODE	OPTION	ADDRESS (GROUP)	RESULT	PAGE
547 MEMORY TX		912028870432	OK	P. 2/2

REASON FOR ERROR

E-1) HANG UP OR LINE FAIL
E-3) NO ANSWER

E-2) BUSY
E-4) NO FACSIMILE CONNECTION

To: Morton Flom, Morton Flom Associates, Inc.
From: Frank Coperich
fcoperic@fcc.gov
FCC Application Processing Branch

Re: FCC ID GMLNHA-9

Applicant: Nokia Mobile Phones Inc
Correspondence Reference Number: 5268
731 Confirmation Number: EA91365
Date of Original E-Mail: 12/18/98

Subject:

1.) Your latest computation of "ERP" is in error because you used the EIRP formula. This .363 W (EIRP) value is equivalent to .215 W ERP. Also, .215 W ERP is lower than the .300 W ERP reported by Nokia. Therefore, the actual ERP output level for this is still uncertain. Please provide the final value to be used on the Grant.

2.) Your responses have not settled the matter concerning the Confidentiality status of the SAR report. The request for Confidentiality of the SAR test procedure cannot be granted since it is not a "Trade Secret". Please indicate the concurrence by Nokia for this status. We did receive a response for FCC ID: GMLNHA-9S but not for this unit.

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 the original e-mail date 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.

To: Morton Flom, Morton Flom Associates, Inc.
From: Frank Coperich
fcoperic@fcc.gov
FCC Application Processing Branch

Re: FCC ID GMLNHA-9S

Applicant:	Nokia Mobile Phones Inc
Correspondence Reference Number:	5269
731 Confirmation Number:	EA91370
Date of Original E-Mail:	12/18/98

Subject:

Your latest power output data, apparently for the AMPs mode, appears to have been obtained using the EIRP formula. Further, no corresponding field strength levels were supplied. Also, as mentioned previously, the ERP data for N-Amps supplied by Nokia to Mr. Chan does not agree with FCC Form 731. Please provide final measured ERP values and a revised FCC Form 731.

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 the original e-mail date 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 www.fcc.gov, Electronic Filing, OET Equipment Authorization Electronic Filing. If the response is submitted through Add Attachments, a message which informs the processing staff that a new exhibit has been submitted must also be submitted via Submit Correspondence. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

* * * COMMUNICATION RESULT REPORT (JAN.11.1999 3:59PM) * * *

TTI FCC LAB 301-344-2050

FILE MODE	OPTION	ADDRESS (GROUP)	RESULT	PAGE
531 MEMORY TX		916029263598	OK	P. 3/3

REASON FOR ERROR

E-1) HANG UP OR LINE FAIL

E-3) NO ANSWER

E-2) BUSY

E-4) NO FACSIMILE CONNECTION

916029263598 21:50 602-926-3598

M.FLOM ASSOCIATES

PAGE 01

MFA **M. Flom Associates, Inc. - Global Compliance Center**
 3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571
www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	1		
DATE:	January 11, 1999		
VIA FAX:	1 301 344 2050		
TO:	Federal Communications Commission,		
ATTENTION:	Frank Coperich, Electronics Engineer		
APPLICANT:	NOKIA MOBILE PHONES, INC.		
EQUIPMENT:	FCC ID: GMLNHA-9 AND GMLNHA-9S		
SUBJECT:	EA #91365, Corr.#5064 AND EA#91370 Corr.5031		

Frank: Just received another phone call from NOKIA
 R & D (UK) LTD. They are very distraught.

ington, D.C. They plan to contact their attorney in Wash-
 Can you advise of the status of these two

**M. Flom Associates, Inc. - Global Compliance Center**

3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571

www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	1
DATE:	January 11, 1999
VIA FAX:	1 301 344 2050
TO:	Federal Communications Commission,
ATTENTION:	Frank Coperich, Electronics Engineer
APPLICANT:	NOKIA MOBILE PHONES, INC.
EQUIPMENT:	FCC ID: GMLNHA-9 AND GMLNHA-9S
SUBJECT:	EA #91365, Corr.#5064 AND EA#91370 Corr.5031

Frank: Just received another phone call from NOKIA
R & D (UK) LTD. They are very distraught.

They plan to contact their attorney in Wash-
ington, D.C.

Can you advise of the status of these two
applications,

Regards,

MORTON FLOM, P. Eng.

mf;mgf

cc: via fax 011 44 1252 305 200 Dave Greenstreet

⇒ We have received no reply to the
attached messages.

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person(s) or organization(s) to whom it is addressed. If you are not
that person, please call the sender collect, and destroy this copy.

**M. Flom Associates, Inc. - Global Compliance Center**

3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571

www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	5
DATE:	December 16th, 1998
VIA FAX:	1 301 344 2050
TO:	FEDERAL COMMUNICATIONS COMMISSION
ATTENTION:	Frank Coperich, Electronics Engineer
APPLICANT:	NOKIA MOBILE PHONES, INC.
EQUIPMENT:	FCC ID: GMLNHA-9 Form 731 Conf.#EA91365
SUBJECT:	Your correspondence #5033 and 5064

Hi Frank!

I hope we can finally put this project to rest!

First: Our main report originally showed a conducted power measurement of 0.5w (27dbm) The Nokia R&D(UK)Ltd SAR Report showed 26.9 dbm...a difference of 0.1 dbm or approximately 0.001w. Considering that these measurements were obtained at two different labs, using different instrumentation, would the Commission consider that this difference cannot be tolerated? Are we to expect this for all future measurements? (We need to know so that here in our lab, we can feel confident of the accuracy of our measurements.)

Second: Power Rating:

Please reference attached reply to your email correspondence 5033, in detail.

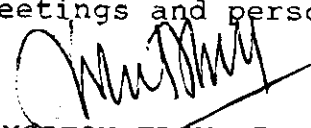
Third: ERP Measurements. Please find attached revised Page 7.2 of our main report. And accordingly, Form 731 Para. 8(b) is changed to ERP 0.363W / 25.6 dbm radiated.

Fourth: Confidentiality:

Please reference separate reply to your Corres. #5064 attached.

We cannot stress too strongly the urgency of resolving this application. It has proven very frustrating and costly to the Applicant. I believe we have answered all your questions and would appreciate a very immediate response.

Season's Greetings and personal regards,


MORTON FLOM, P. Eng.

mf;mgf

cc: Dave Greenstreet: Nokia R&D (UK) Ltd.

FAX:011 44 1252 305 200

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**M. Flom Associates, Inc. - Global Compliance Center**

3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571

www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	2
DATE:	December 16, 1998
VIA FAX:	1 301 344 2050
TO:	FEDERAL COMMUNICATIONS COMMISSION
ATTENTION:	Frank Coperich, Electronics Engineer
APPLICANT:	NOKIA MOBILE PHONES, INC.,
EQUIPMENT:	FCC ID: GMLNHA-9 Form 731 Conf. EA91365
SUBJECT:	email Corresp. #5033

Frank:

This is in response to your email Correspondence #5033.

As you are aware (your e-mail 30th September 1998) the device 'has a power limiting capability to restrict its maximum output to 480 mW' (26.8 dbm, conducted) which AGREES with the ratings listed on the SAR Report.

This should settle the issue about the Applicant/manufacture's Power Rating.

ERP MEASUREMENTS:

Attached please find Revised Page 7.2 of original report.

We trust this now answers your questions.

Personal regards,

MORTON FLOM, P. Eng.

mf;mgf

cc: NOKIA R&D (UK) Ltd. D. Greenstreet

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**M. Flom Associates, Inc. - Global Compliance Center**

3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571

www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	1
DATE:	December 16, 1998
VIA FAX:	1 301 344 2050
TO:	FEDERAL COMMUNICATIONS COMMISSION
ATTENTION:	Frank Coperich, Electronics Engineer
APPLICANT:	NOKIA MOBILE PHONES, INC.
EQUIPMENT:	FCC ID: Confirm. #EA91365
SUBJECT:	GMLNHA-9 Correspondence #5064

Hi Frank:

Reference the request for Confidentiality:

The Applicant confirms that item (a) is accepted as non-confidential, as well as (e) layouts and Parts Lists.

But that item (e), i.e. Block Diagrams, Schematic Diagrams are to be considered Confidential.

Thank you

MORTON FLOM, P. Eng.

mf;mgf

cc: U.K.

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To: Morton Flom, Morton Flom Associates, Inc.
From: Frank Coperich
fcoperic@fcc.gov
FCC Application Processing Branch

Re: FCC ID GMLNHA-9

Applicant:	Nokia Mobile Phones Inc
Correspondence Reference Number:	5064
731 Confirmation Number:	EA91365
Date of Original E-Mail:	12/9/98

Subject: Nokia FCC ID: GMLNHA-9

Reference the request for Confidentiality:

- 1.) Please confirm that the Items red - lined under (a) and (e) are NOT to be considered as Confidential.
- 2.) Please note that we do not consider that test data is "Trade Secret" so that the SAR report may not be placed into the Confidential status. Please confirm that Nokia accepts that this will be in the routine public portion of the file.

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 the original e-mail date may result in application dismissal pursuant to Section 2.917(c) and forfeiture of the filing fee pursuant to Section 1.1106

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To: Morton Flom, Morton Flom Associates, Inc.
From: Frank Coperich
fcoperic@fcc.gov
FCC Application Processing Branch

Re: FCC ID GMLNHA-9

Applicant:	Nokia Mobile Phones Inc
Correspondence Reference Number:	5033
731 Confirmation Number:	EA91365
Date of Original E-Mail:	12/8/98 12/8/98

Subject: Nokia FCC ID: GMLNHA-9

The issue of the proper ERP rating as mentioned in our request dated September 30, 1998 has not yet been resolved.

The revised power rating of .45 W as submitted on November 18, 1998 is not supported by your measurements in main report or SAR report.

The ERP measurements and ratings are extremely important because they need to correlate with the conditions of testing for SAR.

Please resolve this ERP measurement and rating issue.

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 the original e-mail date may result in application dismissal pursuant to Section 2.917(c) and forfeiture of the filing fee pursuant to Section 1.1106

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Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

**M. Flom Associates, Inc. - Global Compliance Center**

3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571

www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	18
DATE:	December 3rd, 1998
VIA FAX:	1 301 344 2050
TO:	FEDERAL COMMUNICATIONS COMMISSION
ATTENTION:	Richard Fabina
APPLICANT:	NOKIA MOBILE PHONES, C.
EQUIPMENT:	FCC ID: GMLNHA-9 and GMLNHA-9S *
SUBJECT:	Your fax December 2nd, 1998 * Confirmation Nos. EA91365 and 91370

Richard: Phoned you and left message. We received only the first page but we have copies of reference numbers 4815 and 4817 respectively on file. REPLIES were sent both to Frank Coperich and Kwok Chan - see attached copies, i.e. dated November 18th and 25th, 1998.

Can you please speak to your Examiners to try to avoid piecemeal requests for data. These 'salami' tactics contribute to the enormous delays and very high costs to Applicants.

The present competition in the marketplace makes it very very difficult to compete as the life of a product nowadays is less than 9 months!

These applications have been outstanding since JULY 1998.

Please let us hear from you immediately after examination of the attached.

Thank you

Morton Flom
MORTON FLOM, P. Eng.

mf;mgf
encs.

cc: D. Greenstreet, NMP R & D UK LTD. fax: 011 44 1252 305 200

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FEDERAL COMMUNICATIONS COMMISSION
Equipment Authorization Division, Application Processing Branch
7435 Oakland Mills Road, Columbia, MD 21046
Telephone: (301) 725-1585, Facsimile: (301) 344-2050
December 2, 1998

TO: Mort Flom
ORGANIZATION: M. Flom Associates

PHONE NUMBER: 602-926-3100

FAX NUMBER: 602-926-3598

FROM: Richard Fabina
NO. OF PAGES: 3

Please direct inquiries, if any, to the sender at extension 220.

Dear Mr. Flom:

The following is in response to your fax of December 1, 1998, regarding the status of two applications for FCC ID: GMLNHA-9 and GMLNHA-9S with confirmation numbers EA91365 and 91370, respectively.

I have checked with the reviewing engineer. He has not received a reply to these requests for information dated November 24, 1998, reference numbers 4815 and 4817, respectively, (copies attached). The applicant claims to have provided you a copy of the reply to these requests on November 19, 1998, for submission to us (I don't understand how they replied, before we asked these questions?). If you have replied to these requests, apparently, we have not received the replies. Please resubmit them. If you haven't submitted a reply to these requests, please do so as soon as possible.

If you have any additional questions about this matter, please contact me at the address or telephone number above.

**MFA** **M. Flom Associates, Inc. - Global Compliance Center**
3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571
www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	1
DATE:	December 1, 1998
VIA FAX:	1 301 244 2050
TO:	FEDERAL COMMUNICATIONS COMMISSION
ATTENTION:	Richard Fabina, and or Frank Coperich
APPLICANT:	NOKIA MOBILE PHONES, INC.
EQUIPMENT:	FCC ID: 1. GMLNHA-9 and GMLNHA-9S
SUBJECT:	EA91365. Corresp. 4815 EA91370, Corr. 4817

Gentlemen:

FC →
RT

We have just received an URGENT call from England regarding the status of the two submissions abovenoted. They have advised that their production has been shut down. This situation has started to cost them 'big bucks'.

Please advise what is holding up the issuance of the Grants.

Your immediate attention is respectfully requested.

Personal regards

MORTON FLOM, P. Eng.

mf;mgf

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MFA M. Flom Associates, Inc. - Global Compliance Center

3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571
www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	2
DATE:	November 25, 1998
VIA FAX:	1 301 344 2050
TO:	FEDERAL COMMUNICATIONS COMMISSION
ATTENTION:	Frank Coperich, Electronics Engineer
APPLICANT:	NOKIA MOBILE PHONES, INC.
EQUIPMENT:	FCC ID: GMLNHA-9 Form 731 EA91365
SUBJECT:	email Correspondence 4815: 11/24/98

Hi Frank:

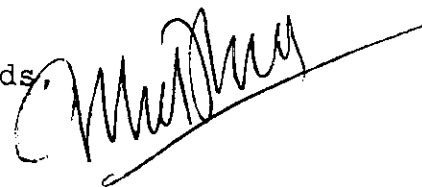
Attached please find SAR hand data for the referenced unit.

As you can see, there is not much difference between the
GMLNHA-9 and the GMLNHA-9S.

(I believe this was sent to you via fax November 18.98.

Hope you and your family have a GREAT THANKSGIVING DAY!

Personal regards,



MORTON FLOM, P. Eng.

mf;mgf
enc.

CONFIDENTIAL: The information in this message is intended only for the person(s) or organization(s) to whom it is addressed. If you are not that person, please call the sender collect, and destroy this copy.

To: Morton Flom, Morton Flom Associates, Inc.
From: Frank Coperich
fcoperic@fcc.gov
FCC Application Processing Branch

Re: FCC ID GMLNHA-9

Applicant: Nokia Mobile Phones Inc
Correspondence Reference Number: 4815
731 Confirmation Number: EA91365
Date of Original E-Mail: 11/24/98

Subject: Nokia FCC ID: GMLNHA-9

The hand SAR data provided is for the GML-NHA-9S. Nokia should provide hand data for the GML-NHA-9 or indicate that the hand SAR data for the two are identical, if it is the case.

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 the original e-mail date 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 www.fcc.gov, Electronic Filing, OET Equipment Authorization Electronic Filing. If the response is submitted through Add Attachments, a message which informs the processing staff that a new exhibit has been submitted must also be submitted via Submit Correspondence. Also, please note that partial responses increase processing time and should not be submitted.

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**M. Flom Associates, Inc. - Global Compliance Center**

3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571

www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	1
DATE:	November 18th, 1998
VIA FAX:	301 344 2050
TO:	FEDERAL COMMUNICATIONS COMMISSION
ATTENTION:	Frank Coperich, Electronics Engineer
APPLICANT:	NOKIA MOBILE PHONES, INC.
EQUIPMENT:	FCC ID: GML NHA-9 / Confirmation EA91365
SUBJECT:	Your e-mail Correspond. ID: 3796 (Oct.1.98)

Good morning Frank:

In reply to the above subject matter, attached please find Amended Page 2 of Form 731 which I trust now meets your requirements.

A separate reply concerning SAR is being addressed to Kwok Chan

Best regards

MORTON FLOM, P. Eng.

mf;mgf

enc.

P.S. The Applicant understands that only measurement data cannot be granted Confidentiality for SAR reports. (The FCC has granted Confidentiality for methodology in the past).

CONFIDENTIAL: The information in this message is intended only for the person(s) or organization(s) to whom it is addressed. If you are not that person, please call the sender collect, and destroy this copy.

MFA

M. Flom Associates, Inc. - Global Compliance Center
3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571
www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	2
DATE:	November 18, 1998
VIA FAX:	1 301 344 2050
TO:	FEDERAL COMMUNICATIONS COMMISSION
ATTENTION:	Frank Coperich, Electronics Engineer
APPLICANT:	NOKIA MOBILE PHONES, INC.
EQUIPMENT:	FCC ID: GML NHA-9S Confirm. EA91370
SUBJECT:	Your e-mail Oct. 1, 1998, Corresp. ID: 3799

Hi Frank:

In reply to the above message:

1. Attached please find revised Page 2 of Form 731, Item 8(b) which is based on ERP/CONDUCTED Measurements performed for the Applicant by RFI of the United Kingdom.
2. The Applicant understands that only measurement data cannot be granted CONFIDENTIALITY for SAR reports. (The Commission has granted Confidentiality for methodology in the past).
3. A separate reply regarding SAR issues has been addressed directly to Kwok Chan.

Trust the attached now meets your requirements. Please advise IMMEDIATELY OF ANY FURTHER NEEDS...the client is most anxious.

Regards,



MORTON FLOM, P. Eng.

mf;mgf
enc.

CONFIDENTIAL: The information in this message is intended only for the person(s) or organization(s) to whom it is addressed. If you are not that person, please call the sender collect, and destroy this copy.



MFA M. Flom Associates, Inc. - Global Compliance Center

3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571
www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

TOTAL PAGES:	5
DATE:	November 18, 1998
VIA FAX:	1 301 344 2050
TO:	FEDERAL COMMUNICATIONS COMMISSION
ATTENTION:	Kwok Chan
APPLICANT:	NOKIA MOBILE PHONE, INC.
EQUIPMENT:	FCC ID: GML NHA-9 / Confirmation EA91365
SUBJECT:	your e-mail, September 30th, 1998 (AMPS phone)

Kwok
Good morning Mr. Chan:

This is in reply to part of the above e-mail message, i.e. correspondence ID: 3796 included with Frank Coperich request.

Attached please find results entitled:

- a. "Side of the phone: Maximum SAR in hand in 10g. mass
- b. RADIATED MEASUREMENTS - descriptions
- c. RESULTS: RF POWER OUTPUT (Radiated & Conducted)
(RFI, U.K.)

As you know, this matter has been outstanding for some time now and it would be appreciated if an IMMEDIATE request is made if more information is needed.

Best personal regards,

MORTON FLOM, P. Eng.

mf;mgf
encs.

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To: Mort Flom, M. Flom Associates, Inc.

From: Dave Greenstreet, NOKIA R&D (UK) Ltd., Pinehurst Park,
115-117 Farnborough Road, Farnborough, Hampshire, UK. GU14 7JG
Tel: +44 1252 305000 Fax: +44 1252 305200
e-mail: Dave.Greenstreet@nmp.nokia.com

Date: Monday 16 November, 1998

Pages: 1

Subject: FCC requests (Your fax date November 12th.)

Equipment: FCC IDs: GML NHA-9 and GML NHA-9S

Hello Mort,

I hope things have quieten down for you this week.

The original GML NHA-9 test results for SAR into the head are correct.
Our problem was the GML NHA-9S SAR test results were somehow duplication of the
GML NHA-9. The corrected page 9 (Titled: 5.5 Results of SAR for 1g.) is for the
NHA-9S SAR test report only.

I believe the FCC outstanding requests are ...

For the GML NHA-9:
- Method and measurement of SAR into the Hand

For the GML NHA-9S:
- Corrected test results for SAR into the Head. As above.
- Method and measurement of SAR into the Hand
- Radiated power retest. (ie. to achieve correlation between conducted and radiated)

If I have misread the FCC requests, then please tell me. It would be appreciated as
we have run out of time with these phones.

Best regards.

Dave Greenstreet.

A handwritten signature in black ink, appearing to read "D Greenstreet", is written over the printed name.

To: Morton Flom (Nokia Mobile Phones Inc)
From: Frank Coperich FCC Application Processing Branch
Date: September 30, 1998
FCC ID: GMLNHA-9

Applicant Name: Morton Flom

Subject: Nokia FCC ID: GMLNHA-9 *A 91365*

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

- 1.) Your values of ERP calculated from the field strength readings shown in your report are in error. These should be about 23.33 dBm maximum corresponding to .203 mW ERP. Please revise FCC Form 731 accordingly.
- 2.) Comments regarding issues related to SAR testing to hand limits are being sent via separate E-Mail. You should contact Mr. Chan regarding this matter.

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://dettifoss.fcc.gov/beta/oet/index.html>

Replies to this letter MUST contain the Reference Number: 3796

From: — Frank Coperich
To: INTERNET:mflom@goodnet.com
Subject: Nokia GML-NHA-9 and GML-NHA-9S -Forwarded

See attached message from Mr. Chan.



M. Flom Associates, Inc. - Global Compliance Center

3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571

www.goodnet.com/~mflom, (602) 926-3100, FAX: 926-3598

SUBMITTED: July 29, 1998

DATE: July 6, 1998

Federal Communications Commission
EQUIPMENT APPROVAL SERVICES
P.O. Box 358315
Pittsburgh, PA 15251-5315

Attention: Authorization & Evaluation Division
Applicant: Nokia Mobile Phones, Inc.
Equipment: 282, TYPE NHA-9NA
FCC ID: GML NHA-9
FCC Rules: 22H, CONFIDENTIALITY

Gentlemen:

On behalf of the Applicant, enclosed please find Application Form 731, Test Data Report and all pertinent documentation, the whole for type acceptance of the referenced equipment as shown.

Filing fees are attached.

We trust the same is in order. Should you need any further information, kindly contact the writer who is authorized to act as agent.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'M. Flom', with a stylized flourish at the end.

MORTON FLOM, P. Eng.

MF:glk
enclosure(s)
CERTIFIED MAIL, R.R.R.

cc: Applicant

LIST OF EXHIBITS
(TYPE ACCEPTANCE - CELLULAR - REVISED 5/21/97)

APPLICANT: Nokia Mobile Phones, Inc.

EQUIPMENT: GML NHA-9

CONFIDENTIAL

BY APPLICANT:

1. LETTER OF AUTHORIZATION
2. IDENTIFICATION DRAWINGS
 - x LABEL
 - x LOCATION OF LABEL
 - x COMPLIANCE STATEMENT
 - x LOCATION OF COMPLIANCE STATEMENT
 - x PLACEMENT OF LABEL: REQUEST FOR EXEMPTION
3. PHOTOGRAPHS (2.983(g))
4. CONFIDENTIALITY REQUEST: 0.457 and 0.459
5. DOCUMENTATION: 2.983(d)
 - (6) BLOCK DIAGRAMS TX/RX/BASEBAND 3
 - (6) LIST OF ACTIVE DEVICES 5 pgs
 - (7) SCHEMATIC DIAGRAMS 6
 - (8) MANUAL USER GUIDE
 - (9) TUNE-UP/ALIGNMENT PROCEDURE:
See "WinTesla Service Software"
 - (10) CIRCUIT DESCRIPTION
See Technical Description 18 pgs
6. ATTESTATION: ESN: Section 22.919
7. ATTESTATION: OET: Section 22.933
8. STATEMENT: Protection against False Transmission
9. STATEMENT: MPE
10. SAR - Methodology and Test Data

BY M.F.A. INC.

- A. TESTIMONIAL & STATEMENT OF CERTIFICATION
- B. STATEMENT OF QUALIFICATIONS
- C. LIST OF TEST INSTRUMENTATION

June 23, 1998

Federal Communications Commission
EQUIPMENT APPROVAL SERVICES
P. O. Box 35815
Pittsburgh, PA 15251-5315

CONFIDENTIAL

Attention: Authorization and Evaluation Division

Reference: FCC ID: GML NHA-9. Nokia NHA-9 series.

Pursuant to Sections 0.457 (d)(1)(ii) and 0.459 of the Commission's Rules, the Applicant hereby request confidential treatment of some of the information accompanying this Application, as listed below:

- (a) ~~General Performance Specification~~
- (b) List of active devices and functions document
- (c) Transceiver EMI/RFI suppression document
- (d) Transceiver system assembly critical components
- (e) Transceiver system module assembly block diagrams, circuit diagrams, ~~layouts and parts list.~~
- (f) Section 9 of type acceptance document titled: Miscellaneous information support type acceptance tests
- (g) SAR report

These materials contain trade secrets and propriety information not customarily released to the public. The public disclosure of these matters might be harmful to the Applicant and provide unjustified benefits to its competitors. {OR OTHER JUSTIFICATION OR EXPLANATION, AS APPROPRIATE (e.g. International Traffic in Arms Regulations (ITAR), etc.)}

The Applicant understands that pursuant to Rule 0.457(d)(1)(ii), disclosure of the Application and all accompanying documentation will not be made before the date of Grant for this Application.

Sincerely.

For NOKIA R&D (UK) LTD.

Signature: 

Name and position in Company: KEITH SAUNDERS - PROGRAM MANAGER.

NOKIA R&D (UK) LTD.

Ashwood House, Pembroke Broadway, Camberley,
SURREY. UK. GU15 3XD

Tel: +44 (0)1276 686116 / 676626
Fax: +44 (0)1276 676672 / 676673

GML

08/29/95 09:58 214 257 9988

NOKIA R&D TX
(TRU) - 4.27.95 14:34 NU.2000000007 PHGC 0003
L

FROM

NOKIA
MOBILE PHONES

April 25, 1996

Federal Communications Commission
Authorization & Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046

Gentlemen:

This letter will authorize the appointment of MORTON FLOM, P. Eng., and/or M. Flom Associates, Inc. to act as our Agent in all FCC matters.

This appointment is effective until otherwise notified by us.

This is to advise that we are in full compliance with the Anti-Drug Abuse Act. The Applicant is not subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 USC 8 62 and not party to the application is subject to a denial of federal benefits pursuant to that section.

Sincerely,

NOKIA MOBILE PHONES, INC.



Paul Chellgren
President

NOKIA MOBILE PHONES, INC.

6200 COURTEZY CAMPBELL CSWY STE 900
P.O. BOX 30730
TAMPA, FLORIDA 33630-1730

Tel: 813/ 288-3800

NOKIA
SUGAR BOWL

Reference FCC/ CFR47 Subpart 2, Section § 2.983 (g)(Oct.1, 1996)
Photographs of case assembly and transceiver system assembly:

NOKIA NHA-9 Series transceivers using FCC ID: GML NHA-9

This Section lists the photography views.

Note, case assembly illustrated is model NHA-9SA.

- 1/ Outside view of closed transceiver, front and back. Antenna retracted
- 2/ Outside view of opened transceiver, front and back. Antenna full
- 3/ Rear view of transceiver with battery removed and standard battery
- 4/ View of transceiver's interface connector
- 5a/ Side 1, transceiver AMPS engine assembly
 - b/ Side 2, transceiver AMPS engine assembly with 'clip-on' RF shield lids
 - c/ Side 2, transceiver AMPS engine assembly with RF shield lids removed
- 6a/ Side 1, transceiver AMPS/NAMPS engine assembly
 - b/ Side 2, transceiver AMPS/NAMPS engine assembly with 'clip-on' RF shield lids
 - c/ Side 2, transceiver AMPS/NAMPS engine assembly with RF shield lids removed
- 7a/ Side 1, User Interface (UI) LCD assembly
 - b/ Side 2, User Interface (UI) LCD assembly
 - c/ User Interface (UI) LCD and case assembly
- 8/ View of User Interface (UI) Keymat and case assembly
- 9/ Outside view of standard battery assembly, both sides
- 10/ Component parts of transceiver assembly

[]

July 22, 1998

Federal Communications Commission
EQUIPMENT APPROVAL SERVICES
P. O. Box 35815
Pittsburgh, PA 15251-5315

Attention: Authorization and Evaluation Division

Reference: FCC ID: GML NHA-9
Nokia NHA-9 series transceiver, NHA-9NA, model 282

Request for Part 15 labelling exemption.

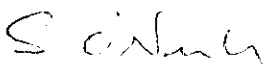
Due to the compact size of the NHA-9 series transceiver the compliance statement labelling cannot be placed on the unit.

The Applicant hereby requests to implement Part 15 (§15.19 (a)(5)) of the Commission's Rules. This is to place the compliance statement within the User Guide/ Owner manual in a prominent position.

Sincerely.

For NOKIA R&D (UK) LTD.

Signature:



Simon O'Neill
Senior Programs Manager

NOKIA R&D (UK) LTD.

June 23, 1998

To/
Federal Communications Commission,
Equipment Authorization Branch,
7435 Oaklands Mills Road,
Columbia, MD 21046

Statement on Air Interface Compliance.

For NOKIA Manufactured NHA-9 series (Class III) Cellular Hand Portable Telephones with FCC ID: GML NHA-9.

We hereby certify that the NOKIA manufactured transceivers comply with OET Bulletin No.53 as referenced in 47 CFR Section 22.933 of the FCC commission's rules dated October 1, 1996.

Compliance was determined by testing appropriate parameters according to both EIA/TIA 553 and TIA/EIA IS-91 standards. With extensive field testing performed in several locations in the USA to verify the compatibility against different systems.

For and on behalf of NOKIA R&D (UK) LTD:

Signature: *U.R. Saunders*

Position in Company: *KEITH SAUNDERS - PROGRAM MANAGER*

NOKIA R&D (UK) LTD.

June 23, 1998

To/
Federal Communications Commission,
Equipment Authorization Branch,
7435 Oaklands Mills Road,
Columbia, MD 21046

ESN Protection Statement

For NOKIA Manufactured NHA-9 series (Class III) Cellular Hand Portable
Telephones with FCC ID: GML NHA-9.

Description of Scheme:

Custom EEPROM Device (Circuit reference: D402)

The EEPROM device used for storage of calibrated variables and user's personal data is specially modified by the manufacturer to provide a concealed data storage area. The device is unique to NMP and not available to others. We locate the phone's ESN in this area, irreversibly stored as Read Only, thus preventing unauthorized modification. A special access sequence will be required to read the data in this area.

Phone Case Design

The internal space within the transceiver through design, has been intentionally kept to minimal. This will prevent any simple inclusion of cloning hardware.

For and on behalf of NOKIA R&D (UK) LTD:

Signature: 

Position in Company: *PROGRAM MANAGER*

NOKIA R&D (UK) LTD.

June 23, 1998

To/
Federal Communications Commission,
Equipment Authorization Branch,
7435 Oaklands Mills Road,
Columbia, MD 21046

Protection against False Transmission Statement

For NOKIA Manufactured NHA-9 series (Class III) Cellular Hand Portable Telephones with FCC ID: GML NHA-9.

Description of Scheme:

The transmitter output power is controlled by the power control loop which consists of a PCB printed directional coupler Z4, Z8, RF rectifier diode V2 with it's biasing component V3 and temperature compensated comparator V4. The Transmitter RF power is adjusted by the comparison of V2 rectified voltage and the calibrated voltages of the PAC control line.

V2 rectified RF voltage is also, via R9, applied to the TXI control line/ bi-directional input TP11 of D401, the MPU. With this TXI input, the MPU senses transmitter RF power.

The transmitter frequency is determined by the digitally temperature compensated frequency reference G1, the UHF voltage controlled oscillator G2, VHF offset voltage controlled oscillator V6 and dual programmable synthesizer device N3.

The synthesizer device N3 out-of lock sense output is applied to the IRQ3 input of the MPU.

Any malfunction producing RF power output with an invalid transmitter control status or out of range frequency will be detected and actioned by the MPU in switching the transmitter circuits off.

For and on behalf of NOKIA R&D (UK) LTD:

Signature: *K. R. Sanders*

Position in Company: *PROGRAM MANAGER*

NOKIA R&D (UK) LTD.

June 23, 1998

To/
Federal Communications Commission,
Equipment Authorization Branch,
7435 Oaklands Mills Road,
Columbia, MD 21046

**Statement on General Population/ Uncontrolled Maximum
Permissible Exposure to RF radiation .**

For NOKIA Manufactured NHA-9 series (Class III) Cellular Hand Portable
Telephones with FCC ID: GML NHA-9.

The above cellular hand portables have been tested in the company's own test
laboratory to US national standard ANSI/ IEEE C95.1-1992 (IEEE C95.1-1991).
The results of these tests are compliant and are available from archive on request.

For and on behalf of NOKIA R&D (UK) LTD:

Signature: *V.L. Sander*

Position in Company: *PROGRAM MANAGER*

NOKIA R&D (UK) LTD.