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

			Output	Frequency	Emission
Grant Notes	FCC Rule Parts	FrequencyRange (MHZ)	<u>Watts</u>	<u>Tolerance</u>	Designator
BC	22(H)	824 - 849	0.36	2.5 PM	40K0F8W
BC	22(H)	, w	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#91365

FEDERAL COMMUNICATIONS COMMISSION

Approved by OMB FCC FORM 731 9/365

For FCC	
FCC use	
use only	

APPLICATION FOR EQUIPMENT AUTHORIZATION

SECTION I - ALL ITEMS IN	THIS SECTION	MUST BE COMP.	LETED		_
 Applicant's complete, lega 	l business name		±0sa	Check he	re if this is a change in
NOKIA MOBIL		INC.	APPI	reported	os address not previously Seg.47 CFR §2.934)
Applicant's mailing addres	, ,			AUG 1 N 1000	Bureau Use Only
6200 COURTN Applicant's mailing addres		L CAUSEWAY,	STE 900	AUG 1 0 1998	Equipment Code:
P.O. BOX 30	•	uned)			Engineer:
City		-·			Examiner:
ТАМРА					76
State or Country (if foreign	address) ZIP	P/Postal Code	3. FCC ID: (a) Grantee Code	(b) Equipment Prod (14 characters ma:	uct Code ximum, show zeros as Ø)
FLORIDA	336	330-3730	G M L	NHA-9	
4. Name, Title and Mail Stop		, -	address to receive	grant, or for contact	: (See instructions)
PAUL CHELLG 5.(a) Telephone No. (Area/Country			(h) FAX No. (Area/C	ountry/City code and	No.
(813) 288-3	•	id Ext.)	N/A	ountry/only code and	
(c) Internet e-mail address:	800		N/A		eaux.
SECTION II - See 47 CFR §1.110	3 for Fee Type Cod	es and Fees. Fee Typ	e Codes are listed in P	aragraph C of the attac	ched instructions.
Enter in Column (A) the correct					
from multiplying the Fee amour	t for the Fee Typ	e Code in Column	(A) by the number e	entered in Column (I	B). If requesting more
than ONE service, enter additio	• .	• •	pelow.	·	
(A)	(B)		الفار		
FEE TYPE CODE	FEE MUL	TIPLE	FEE DUE FOR FE	MN (A)	FOR FCC USE ONLY
(1) E B T	0 0	0 1	\$ 130.00		
SECTION III - Use when request	ng more than one s	service. If only one se	rvice is requested, con	papiete only Section II a	nd Section III, Item (5).
(A) FEE TYPE CODE	(B) FEE MUL	<u> </u>	(C) FEE DUE FOR FE		FOR FCC USE ONLY
10000	1 22 11102	. T.) I don depo	CODE IN COLUM	MN (A)	
(2) E F T	0 0	0 1	\$ 450.00		{ (
			430.00		
(3)	0 0	0 1	\$		
	, , , , , , , , , , , , , , , , , , ,	•			
(4)	0 0	0 1	\$		11
Add all amounts shown	in column C. li	nes (1)	TOTAL AMOUNT RI	EMITTED	
through (4), and enter th	e total here.	. ,	WITH THIS APPLI OR FILING	CATION	FOR FCC USE ONLY
remittance.			\$ 580.00		
M.F.A.	INC. (AGEN	T) VISA	<u> </u>		

Non-Technical contact: Firm name, contact person, number, street, contact person, number, street, city, State/Country, 2IP/Postal Code	SEC	TION IV - Enter	FCC ID from Page 1, Sec	tion	9		
City, State(Country, ZIP/Postal Code (b) Name, Title and Mail Stop, if any, of person at above address to receive Grant: (c) Name, Title and Mail Stop, if any, of person at above address to receive Grant: (d) Technical contact. Firm name, contact person, M. FLOM ASSOCIATES, INC. MORTON FLOM, President number, street. (a) Technical contact. (b) Telephone No. (Area/Country/City code, No and Extra Number, street. (c) Non-Technical contact. Firm name, contact person. (d) Telephone No. (Area/Country/City code and No.) (c) FAX No. (Area/Country/City code and No.) (d) Telephone No. (Area/Country/City code and No.) (e) FAX No. (Area/Country/City code and No.) (f) Telephone No. (Area/Country/City code and No.) (g) FAX No. (Area/Country/City code and No.) (g) FAX No. (Area/Country/City code and No.) (g) Telephone No. (Area/Country/C	1.(0)	riim name,	cant, FCC is authorized to mail M。 FL 0	original Grant to: (See in OM ASSOCIATES - The	structions)		
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(ii) Telephone No. (Area/Country/City code. No. and Extern name, contact person, number, stand Code (iv) Telephone No. (Area/Country/City code and No.) (iv) Telephone No. (Area/Country City	(b)	Name, Title and	Mail Stop, if any, of person at a	above address to receive Gran	nt: (If 1.(a) is	completed, this l	tem must be completed)
Firm name, contact person, number, street, city, State/Country, 219Postal Code 3356 No. San Marcos Place, #107 (c) FAX No. (Avea/Country/City code and No.) 85224 1571 3356 No. San Marcos Place, #107 (c) FAX No. (Avea/Country/City code and No.) 85224 1571 3356 No. Fechnical contact: mflom@goodnet.com No. Non-Technical contact: mflom@goodnet.com Non-Technical contact: MRTON FLOM, President City, State/Country, 3356 No. San Marcos Place, #107 (c) FAX No. (Avea/Country/City code and No.) 602 926 3598 Non-Technical contact: MRTON FLOM, President City, State/Country, 3356 No. San Marcos Place, #107 (c) FAX No. (Avea/Country/City code and No.) 602 926 3598 Internet e-mail address: MI-LOM ASSOCIATES, INC. MORTON FLOM, President City, State/Country, 3356 No. San Marcos Place, #107 (c) FAX No. (Avea/Country/City code and No.) 602 926 3598 Internet e-mail address: MI-LOM ASSOCIATES, INC. MORTON FLOM, President City, State/Country, City code and No.) 602 926 3598 Internet e-mail address: MI-LOM ASSOCIATES, INC. MORTON FLOM, President City, State/Country, City code and No.) 602 926 3598 Internet e-mail address: MI-LOM ASSOCIATES, INC. MORTON FLOM, President City, State/Country, City code and No.) 602 926 3598 Internet e-mail address: MI-LOM ASSOCIATES, INC. MORTON FLOM, President City, State/Country, City code and No.) 602 926 3598 Internet e-mail address: MI-LOM ASSOCIATES, INC. MORTON FLOM, Increase City, Frequency in Virginal application pursuant to 47 CFR \$0.45 or the Commission's Rules? If Yes's see instructions Does the applicant request that the Commission's Rules? If Yes's see instructions Equipment Code and description: (See instructions, page 4) (b) Equipment will be operated under FCC Rule Part(s): MI-LOM ASSOCIATES, INC. MORTON FLOM, Increase City, Frequency tolerance (See instructions) Equipment Code and description: (See instructions) Equip	2 (a)	Tochnical conta	MORTON	FLOM, P. Eng.,	Presider	nt	
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Internet e-mail address: mf1om@goodnet.com		City, State/Count	_{rv} 3356 No. San M	arcos Place, #10	_		
Internet e-mail address:		ZIP/Postal Code	CHANDLER, 85224	ARIZONA, U.S.A.			•
Non-Technical contact:	(d)	Internet e-mail ac	Idraes.			02 926 35	98 —————
Firm name, contact person, number, street, City, State/Country, 3356 No. San Marcos Place, #107 CHANDLER, ARIZONA, U.S.A. 85224 1571 Internet e-mail address: mf lom@goodnet.com 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. Does the applicant request that the Commission defer grant of this application pursuant to 47 CFR §0.459 of the Commission's Rules? If "Yes" see instructions. Type of equipment authorization requested (check one box only) Type of equipment Code and description: (See instructions, page 4) Equipment Code and description: (See instructions, page 4) In Internet e-mail address: mf lom@goodnet.com Type of equipment authorization requested (check one box only) Type of equipment Code and description: (See instructions, page 4) Equipment Code and description: (See instructions, page 4) In Internet e-mail address: mf lom@goodnet.com Code instructions (See instructions) Type of equipment Code and description: (See instructions, page 4) In Internet e-mail address: mf lom@goodnet.com Code instructions (See instructions) Type of equipment Code and description: (See instructions, page 4) Internet e-mail address: mf lom@goodnet.com Code instructions (See instructions)	(e)	Non-Technical co	ontact:	goodnet.com	(A Talan	Jan - 1	
City, State/Country ZIP/Postal Code CHANDLER, ARIZONA, U.S.A. (g) FAX No. (Area/Country/City code and No.) 85224 1571 Internet e-mail address: mflom@goodnet.com Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR §0.457(d)(1)(ii)? (See instructions) Does the applicant request that the Commission defer grant of this application pursuant to Type of equipment authorization requested: (check one box only) Equipment Code and description: (See instructions, page 4) Equipment Code and description: (See instructions, page 4) Equipment Code and description: (See instructions, page 4) Time (CELIPHONE HANDED TO EAR) Application is for: (Check one box only) CRIGINAL FCC ID Grant date EQUIPMENT SPECIFICATIONS: (See instructions) ORIGINAL FCC ID Grant date (See instructions) EQUIPMENT SPECIFICATIONS: (See instructions) ORIGINAL FCC ID Grant date (See instructions) EQUIPMENT SPECIFICATIONS: (See instructions) (b) Rated RF power output in waits MEASURED: 26. 9 dbm 0.5 W. Is the equipment in this application. (a) a composite device subject to more than one type of equipment authorization? (b) part of a system that operates with, or is marketed with, another device that requires an equipment authorization? (b) part of a system that operates with, or is marketed with, another device that requires an equipment authorization?	, ,	Firm name, contact person,	M.FLOM MORTON	FLOM, President	٠ _		
Internet e-mail address: mflom@goodnet.com		City, State/Count	_v 3356 No. San M	arcos Place, #10	7 $\frac{\mathbf{O}}{\mathbf{FAX}}$	02 926 310 No. (Area/Count	00 rv/City code and No.)
Internet e-mail address:		ZIP/Postal Code	85224	ER, ARIZONA, U.S. 1571			
Does the applicant request that the Commission defer grant of this application pursuant to			dress: mflom@d	goodnet.com			· · · · · · · · · · · · · · · · · · ·
Does the applicant request that the Commission defer grant of this application pursuant to			2011 10 47 01 17 30.438 01 tile Ct	annission's Rules? If "Yes" s	see instruction	ined in this	▼ Yes No
Type Acceptance Notification Notification Type Acceptance Notification Notification Type Acceptance Notification Notification Type Acceptance Notification Type Acceptance Notification Notification Notification Type Acceptance Notification N	·	Does the applicar 47 CFR §0.457(d)	nt request that the Commission (1)(ii)? (See instructions)	defer grant of this application	pursuant to		Yes No
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Check one box only 1. Original equipment (See instructions)				tions, page 4) (b) Equipm			Rule Part(s):
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CRIGINAL FCC ID Grant date	1	. Original equipment	2. Change in identifica	ation of presently authorized e	quipment	3. Class	Il permissive change
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 -349 iHz	(\$	ee instructions)			i	author	rized equipment
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(b) The related application checked in item 10 (a) (Check one box only) Item to be the control of the case of the control	SECT	ION IV (continued) - Enter FCC ID from Page 1, S	ection i F GML	NHA-9
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time as this application under the FCC ID listed below listed below listed below under the FCC ID listed below listed below under the FCC ID listed below listed	(b)	The related application checked in item 10.(a) (Check on	e box only)	
Ti.(a) Name of lest firm on file with the FCC, if different from applicant or contact person: M. FIOM ASSOCIATES, INC. (FCC PILE: 31040/SIT) (b) Maling address, number, street, 3356 N. San Marcos Place #107 CHANDLER, ARTZONA, U.S.A. (C) Telephone No. (Area/Country/City code. No. and Ext.) (C) Telephone No. (Area/Country/City code. No. and Ext.) (d) FAX No. (Area/Country/City code and No.) 602: 926 3100 (d) FAX No. (Area/Country/City code and No.) 602: 926 3598 (e) Internet e-mail address: mf1omegoodnet.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, ITTLE 18, SECTION 1001), AMD/OR FORFEITURE (U.S. CODE, ITTLE 47, SECTION 5031), The AMD/OR FORFEITURE (U.S. CODE, ITTLE 47, SECTION 5031), The AMD/OR FORFEITURE (U.S. CODE, ITTLE 47, SECTION 5031), The AMD/OR FORFEITURE (U.S. CODE, ITTLE 47, SECTION 5031), The AMD/OR FORFEITURE (U.S. CODE, ITTLE 47, SECTION 5031), The AMD/OR FORFEITURE (U.S.		time as this application the FCC ID listed below under the FCC ID listed	w filed und	er the FCC ID under the FCC ID listed
Ti.(a) Name of lest firm on file with the FCC, if different from applicant or contact person: M. FIOM ASSOCIATES, INC. (FCC PILE: 31040/SIT) (b) Maling address, number, street, 3356 N. San Marcos Place #107 CHANDLER, ARTZONA, U.S.A. (C) Telephone No. (Area/Country/City code. No. and Ext.) (C) Telephone No. (Area/Country/City code. No. and Ext.) (d) FAX No. (Area/Country/City code and No.) 602: 926 3100 (d) FAX No. (Area/Country/City code and No.) 602: 926 3598 (e) Internet e-mail address: mf1omegoodnet.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, ITTLE 18, SECTION 1001), AMD/OR FORFEITURE (U.S. CODE, ITTLE 47, SECTION 5031), The AMD/OR FORFEITURE (U.S. CODE, ITTLE 47, SECTION 5031), The AMD/OR FORFEITURE (U.S. CODE, ITTLE 47, SECTION 5031), The AMD/OR FORFEITURE (U.S. CODE, ITTLE 47, SECTION 5031), The AMD/OR FORFEITURE (U.S. CODE, ITTLE 47, SECTION 5031), The AMD/OR FORFEITURE (U.S.			FCC ID	
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number, street, 3356 N. San Marcos Place #107 City, StateCountry, CHANDLER, ARTZONA, U.S.A. (d) FAX No. (Area/Country/City code and No.) 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: WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1931), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 18, SECTION 312(a)(1)), AND/OR FORFEITIRE (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITIRE (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/OR FORFEITIRE (U.S. CODE, TITLE 47, SECTION 312(a)(1), AND/	(b)	Mailing address		(c) Telephone No. (Area/Country/City code, No. and Ext.)
(e) Internet e-mail address: mf1om@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 ANDIOR IMPRISOMMENT (U.S. CODE, TITLE 18, SECTION 1913), ANDIOR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 18, SECTION 312(a)(1)), ANDIOR FORFEITURE (U.S. CODE, TITLE 47, SECTION 312(a)(1)), ANDIOR FORFEITURE (U.S. CODE, TITLE 47, SECTION 530). 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 Arth-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? 2. (a) APPLICANTIAGENT CERTIFICATION: Loentry 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) abeling 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 exact FCC ID specified in this application. (2) compliance statement labeling pursuant to the applicable rules, and (3) compliance of the equipment with the exact FCC ID specified in this application. (3) compliance is 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 direction, however, the applicant remains	(-/	number, street, 3356 N. San Marcos		602- 026 2100
(e) Internet e-mail address: mf1om@goodnet.com 12. Number of exhibits submitted with this application: SECTION V - Read each certification carefully before answering and signing this application. WILLEUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 301), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 18, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 303). 1. SECTION SIGN (ANTI-ORUG 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 12002(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: Lentify that I am authorized agent so certify? Yes No 2.(a) APPLICANT/AGENT CERTIFICATION: Lentify that I am authorized it is application. All of the statements herein and the exhibits attached hereto, are true and correct to the 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 my made and the statements herein and the exhibits attached hereto, are true and correct to the the second of the statement and the application is application is one to exact a manufacturer of 1) abeling the equipment with the paper and the propriets 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 must be submitted to the FCC upon request, and that the FCC res			U.S.A.	
(e) Internet e-mail address: mf1om@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 1901), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 1901), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 5301 (ANTI-DRUG ABUSE) CERTIFICATION: The applicant must certify that reither 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 Arti-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?		85224-15/1		
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85224-1571 (d) FAC No. (Alea/country/dity code and No.) 602: 926-3598		City, State/Country, Chandler, Arizona		
(a) Internet e-mail address:		85224-1571		(d) FAX No. (Area/Country/City code and No.)
(e) Internet e-mail address: mflom@goodnet.com				602: 926-3598
	(e)	Internet e-mail address:		

FCC Form 731 - Page 3 of 3 March, 1997

MENDED:	JANUARY	12.	19	9	9
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SECT	ION IV - Enter FC	C ID from Page 1, Section	ainal Grant to: (See instru	uctions)	-		
1.(a)	Instead of Applicant, Firm name, number, street, City, State/Country, ZIP/Postal Code	FCC is authorized to mail only, M. FLOM, 3356 N.	ASSOCIATES, INC San Marcos Plac R, ARIZONA, U.S.	e, Suite	107		
- (1-)	Name Tille and Mai	il Stop, if any, of person at abo	ve address to receive Grant:	(If 1.(a) is co	mpleted, this Item	must be co	ripleted)
(E)	Name, Title and Mai		FLOM, P. Eng., P				
<u> </u>	Technical contact:	PIORION	L Botty 20 days y -	(b) Telepho	one No. (Area/Cou	ntry/City code, I	lo. and Ext.)
2.(a)	Technical contact: Firm name,		ASSOCIATES, INC	60.	2 926 3100	1	
	contact person. number, street,	MORTON 3	FLOM, President rcos Place, #107		o. (Area/Country/		No.)
	City, State/Country,	CHANDLER,	ARIZONA, U.S.A.	1			•
	ZIP/Postal Code	85224 1		60.	2 926 3598	· · · · · · · · · · · · · · · · · · ·	
(d)	Internet e-mail addr	ess: mflom@g	oodnet.com				
(e)	Non-Technical cont	act:	AGGGERANC THE	117	one No. (Aree/Cou	ntry/City code, i	Np. and Ext.)
, ,	Firm name, contact person,		ASSOCIATES, INC. FLOM, President		2 926 3100	1	
	number, street,	3356 No. San Ma	rcos Place, #107	(g) FAX N	lo. (Area/Country	/City code an	d No.)
	City, State/Country, ZIP/Postal Code	CHANDLE 85224 1	R, ARIZONA, U.S.	A- 60	2 926 3598	3	
					· · · · · · · · · · · · · · · · · · ·		
(h)	Internet e-mail adde	- include a request for confiden	oodnet.com entiality for any portion(s) of t	he data contair	ned in this	Yes	□ No
3.	application pursuar	nt to 47 CFR §0.459 or the Col	WWIZEIOU P LYCHAS: 11 152 2			N 169	
4.	Does the applicant 47 CFR §0.457(d)(request that the Commission (1)(ii)? (See instructions)	defer grant of this application	pursuant to		Yes	₩ No
5.	Type of equipment requested: (check	authorization one box only)	rtification	Type Accepta		Notifica	
6.(a)	Non-	nd description: (See instruct Broadcast Transmitte LPHONE HANDHELD TO E	er Held to Ear		rated under FCC		
7.		(Check one box only)	AIX)				,
5	1. Original equipment	_	ation of presently authorized o	equipment	or mor	II permissive dification of p ized equipme	resently
	(See instructions)	ORIGINAL	FCC ID Grant	date	(S	Gee instruction	ns)
	COLUMN ENT SPE	CIFICATIONS: (See instruction		 ·—	L		
8. (a) Frequency range	(b) Rated RF power output	(c) Fraquency tolerance %, Hz, ppm	(d) Emissi (See 47 CFR §	ion designator (2.201 and §2.202)		cessor madel nber
	in MHz	in walts	7a, 112, pp.111				
82	4–849	MANUFACTURER'S RATING: 0.006-0.480	wy ±2.5 popm	40K0F0 40K0F		-	
		ERP, MEASURED		Ì			
		0.359 W 25.55 dbm		Ì			
		25.55 QUIII		1			
9.	ts the equipment is	n this application:	<u>.L</u>				/
15.	(a) a composit	te device subject to more than	one type of equipment autho	rization?		Yes	Ø №
	(b) part of a sy requires a	ystem that operates with, or is nequipment authorization?	marketed with, another device	ce that		Yes	☑ No
	if aither of the	above questions is answered	"Yes" complete items 10.(a) a	ind (b). (Se	e instructions)		

Revised Dec. 16, 1998

	ION IV - Enter FO	CC ID from P	age 1, Section	n I	GMLNHA-				
1.(a)	Instead of Applican	it, FCC is autho	orized to mail or	ginal Grant to:	(See instru				
	Firm name, number, street,				TES, INC		- 107		
	City, State/Country,				cos Place	-	= 101		
	ZIP/Postal Code	•	85224-1		NA, U.S.	rı.			
			03224-1	3/1					
ML)	Name, Title and Ma	ail Stan if any	of nemon at abo	we address to	receive Grant	(If 1 (a) is c	ompleted th	nis Item must be co	ompleted)
(lb)	Name, Tile and Ma	an Stup, n eny, t						No No. III Do. 22 C	,
			MORTON	FLOM, P.	Eng., P				
2.(a)	Technical contact:		M ET OM	ACCOCTA	MPC INC		ione No. (Ai	rea/Country/City code,	No. and Ext.)
	Firm name, contact person,			ASSOCIA FLOM, Pr	TES, INC	· 60	2 926	3100	
	number, street,	3356 No	San Ma	•				ountry/City code at	nd No.)
	City, State/Country, ZIP/Postal Code		HANDLER,		•	(6) 176.1	io. (rucinoc	sana yrony cose si	,,,,,,
	ZIP/POStal Code		85224 1		•	60	2 926	35 9 8	
(d)	Internet e-mail add	ress:	mflom6g	oodnet.c	OM				
(e)	Non-Technical con		mr rom63	oodnet.c	<u> </u>	(f) Teleph	one No. (Ar	rea/Country/City code,	No. and Ext.)
(c)	Firm name.	iaci.	M.FLOM	ASSOCIAT	ES, INC.		•.		ŕ
	contact person,			FLOM, Pr		60	2 926	3100	
	number, street, City, State/Country	3356 No	o. San Ma			(g) FAX (No. (Area/C	ountry/City code a	nd No.)
	ZiP/Postal Code	•		•	NA, U.S.	A- 60	2 926	3598	
			85224 1						··
(h)	Internet e-mail add			oodnet.c			_		
3.	Does this application application pursual	on include a red nt to 47 CFR §0	quest for confide 0.459 of the Con	entiality for any nmission's Rul	portion(s) of the es? If "Yes" se	e data contain e instructions	ned in this i.	Yes	☐ No
4.	Does the applicant 47 CFR §0.457(d)(defer grant of t	nis app lication p	oursuant to		Yes	Ū No
5.	Type of equipment		€ Cer	tification		Type Accept	ance	Notific	ation
	requested: (check	one bux uniy)		u		1,700,10000			
6.(a)	Equipment Code a	nd description:	(See instructi	ons, page 4)	(b) Equipme		rated under	FCC Rule Part(s)	
6.(a)	Equipment Code a	nd description: Broadcast	(See instructi Transmitter	ons, page 4) Held to	ar	nt will be ope		•	
	Equipment Code a	nd description: Broadcast T	(See Instruction Transmitter ANDHELD TO	ons, page 4) Held to	ar			•	
7.	Equipment Code a T N E Non-E Application is for:	nd description: Broadcast T LLPHONE HA (Check one box	(See Instructi Transmitter ANDHELD TO x only)	ons, page 4) Held to EAR)	ar 221	nt will be ope	ENTIALIT	Y	·
7.	Equipment Code a T N E Non-E Application is for: 1. Original	nd description: Broadcast T LLPHONE HA (Check one box	(See Instruction Transmitter ANDHELD TO	ons, page 4) Held to EAR)	ar 221	nt will be ope	ENTTALIT	Y Class II permissive	change
7.	Equipment Code a T N E NON-E Application is for: Original equipment	nd description: Broadcast T LLPHONE HA (Check one box	(See Instructi Transmitter ANDHELD TO x only)	ons, page 4) Held to EAR)	ar 221	nt will be ope	ENTIALIT	Y	change
7.	Equipment Code a T N E Non-E Application is for: 1. Original	nd description: Broadcast T LLPHONE HA (Check one box	(See Instructi Transmitter NDHELD TO x only) nge in identifica	ons, page 4) Held to EAR) tion of present	Sar 221 y authorized eq	nt will be ope	ENTIALIT	Y Class II permissive or modification of p	change presently ent
7.	Equipment Code a T N E NON-E Application is for: 1. Original equipment (See instructions)	nd description: Broadcast TLPHONE HZ (Check one box	(See instructi Fransmitter ANDHELD TO x only) nge in identifical ORIGINAL F	ons, page 4) Held to EAR) tion of present	ar 221	nt will be ope	ENTIALIT	Class II permissive or modification of p authorized equipm	change presently ent
7. 🗹 8.	Equipment Code a T N E NON-E Application is for: 1. Original equipment (See instructions)	nd description: Broadcast T LIPHONE HZ (Check one box	(See instructions) (See instructions) ORIGINAL F (See instructions)	ons, page 4) Held to EAR) tion of present FCC ID	Sar 221 y authorized eq Grant da	nt will be ope	ENTIALIT	Class II permissive or modification of p authorized equipm (See instruction	change presently ent
7. 🗹 8.	Equipment Code a T N E NON-E Application is for: 1. Original equipment (See instructions)	nd description: Broadcast T ILPHONE HZ (Check one box	(See instructi Fransmitter ANDHELD TO x only) nge in identifical ORIGINAL F	ons, page 4) Held to EAR) tion of present FCC ID ons) (c) Frequen	221 y authorized eq Grant da	nt will be ope	3. C	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent
7. 🗹 8.	Equipment Code a T N E NON-E Application is for: 1. Original equipment See instructions) EQUIPMENT SPEC	nd description: Broadcast T ILPHONE HZ (Check one box	(See instruction I ransmitter ANDHELD TO x only) nge in identificat ORIGINAL F (See instruction F power output	ons, page 4) Held to EAR) tion of present FCC ID ons) (c) Frequen	22I y authorized eq Grant da	nt will be ope I, CONFID ruipment ale (d) Emissi	3. C	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent ns)
7. (2) 8. (a)	Equipment Code a T N E NON-E Application is for: 1. Original equipment See instructions) EQUIPMENT SPECE Frequency range in MHz	nd description: Broadcast T LIPHONE HZ (Check one box 2. Chai	(See instruction (See i	ons, page 4) Held to EAR) tion of present FCC ID ons) (c) Frequen	Grant dates to point the control of	nt will be ope I, CONFID uipment ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent ns)
7. (2) 8. (a)	Equipment Code a T N E NON-E Application is for: 1. Original equipment See instructions) EQUIPMENT SPEC	nd description: Broadcast T FILPHONE HZ (Check one box 2. Chai CIFICATIONS: (b) Rated RE in Manufac	(See instruction in the control of t	ons, page 4) Held to EAR) tion of present FCC ID ons) (c) Frequen	Grant dates to point the control of	nt will be ope I, CONFID uipment ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent ns)
7. (2) 8. (a)	Equipment Code a T N E NON-E Application is for: 1. Original equipment See instructions) EQUIPMENT SPECE Frequency range in MHz	nd description: Broadcast T LIPHONE HZ (Check one box 2. Chai	(See instruction in the control of t	ons, page 4) Held to EAR) tion of present FCC ID ons) (c) Frequen	Grant dates to point the control of	nt will be ope I, CONFID uipment ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent ns)
7. (2) 8. (a)	Equipment Code a T N E NON-E Application is for: 1. Original equipment See instructions) EQUIPMENT SPECE Frequency range in MHz	md description: Proadcast TitLPHONE HZ (Check one box 2. Chai CIFICATIONS: (b) Rated RE inv Manufac Rating:	(See instruction in the instruct	ons, page 4) Held to EAR) tion of present FCC ID ons) (c) Frequen	Grant dates to point the control of	nt will be ope I, CONFID uipment ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent ns)
7. (2) 8. (a)	Equipment Code a T N E NON-E Application is for: 1. Original equipment See instructions) EQUIPMENT SPECE Frequency range in MHz	md description: Proadcast Taroadcast Taroadc	(See instruction of the control of t	ons, page 4) Held to EAR) tion of present FCC ID ons) (c) Frequen	Grant dates to point the control of	nt will be ope I, CONFID uipment ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent ns)
7. (2) 8. (a)	Equipment Code a T N E NON-E Application is for: 1. Original equipment See instructions) EQUIPMENT SPECE Frequency range in MHz	CIFICATIONS: (b) Rated RF inv Manufac Rating: MEASURE 25.6 db	(See instruction of the control of t	ons, page 4) Held to EAR) tion of present FCC ID ons) (c) Frequen	Grant dates to point the control of	nt will be ope I, CONFID uipment ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent ns)
7. (2) 8. (a)	Equipment Code a T N E NON-E Application is for: 1. Original equipment See instructions) EQUIPMENT SPECE Frequency range in MHz	md description: Proadcast Taroadcast Taroadc	(See instruction of the control of t	ons, page 4) Held to EAR) tion of present CC ID ons) (c) Frequent %, Hi	Grant dates to point the control of	nt will be ope I, CONFID uipment ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent ns)
7. (2) 8. (a)	Equipment Code a T N E NON-E Application is for: 1. Original equipment See instructions) EQUIPMENT SPECE Frequency range in MHz	md description: Proadcast TILPHONE HZ (Check one box 2. Chai CIFICATIONS: (b) Rated RE in Manufac Rating: MEASURE 25.6 db 0.363 W	(See instruction in the instruct	ons, page 4) Held to EAR) tion of present CC ID ons) (c) Frequent %, Hi	Grant dates to point the control of	nt will be ope I, CONFID uipment ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent ns)
7. 8. (a)	Equipment Code a T N E Non-E Application is for: 1. Original equipment See instructions) EQUIPMENT SPET Frequency range in MHz 4-849 MHz	md description: Proadcast TILPHONE HZ (Check one box 2. Chai 2. Chai CIFICATIONS: (b) Rated RE Inv Manufac Rating: MEASURE 25.6 db 0.363 W this application	(See instruction in the instruct	ons, page 4) Held to FAR) tion of present CC ID ons) (c) Frequen %, Hi ±2.5	Grant dates	nt will be ope I, CONFID uipment ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthorized equipm (See instruction	change presently ent ns)
7. 8. (a)	Equipment Code a T N E NON-E Application is for: 1. Original equipment (See instructions) EQUIPMENT SPE Frequency range in MHz 4-849 MHz Is the equipment in (a) a composite (b) part of a sy	md description: arcadcast Tarcadcast Tarcadc	(See instruction in the instruct	ens, page 4) Held to EAR) tion of present CC ID ons) (c) Frequen %, Ha ±2.5	grant da Grant da cy tolerance ppm	ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthonzed equipm (See instruction 1202) (e) Micropro num 1.202) 1.202	change presently ent ns)
7. 8. (a)	Equipment Code a T N E NON-E Application is for: 1. Original equipment (See instructions) EQUIPMENT SPE Frequency range in MHz 4-849 MHz Is the equipment in (a) a composite (b) part of a sy	md description: arcadcast Tarcadcast Tarcadc	(See instruction in the instruct	ens, page 4) Held to EAR) tion of present CC ID ons) (c) Frequen %, Ha ±2.5	grant da Grant da cy tolerance ppm	ate (d) Emissi (See 47 CFR §	and \$2	Class II permissive or modification of pauthorized equipm (See instruction 202) (e) Micropro num	change presently ent ns)

AMENDED PAGE 2: Nov. 18.98

SEC	ION IV - Enter FO	CC ID from Page	1, Sectio	n/ GML NHA-	9			
1.(a)	Instead of Applican Firm name, number, street, City, State/Country, ZIP/Postal Code	it, FCC is authorize M 3	d to mail or I. FLOM 1356 N.	iginel Grant to: (See in: ASSOCIATES, IN San Marcos Pla R, ARIZONA, U.S	NC. ace,			
								· •
(b)	Name, Tille and Ma			ove address to receive Grad FLOM, P. Eng.,			em must be cor	npleted)
2.(a)	Technical contact:					(b) Telephone No. (Area/Co	untry/City code, N	lo. and Ext.)
(-,	Firm name, contact person,	M	ORTON	ASSOCIATES, IN FLOM, President	t	602 926 310	0	
	number, street, City, State/Country			rcos Place, #10	7 7	(c) FAX No. (Area/Country	//City code and	l No.)
	ZIP/Postal Code	CHAN	DLER, 5224 1	ARIZONA, U.S.A. 571		602 926 359	8	
(d)	Internet e-mail add	ress: n	flom@g	oodnet.com				
(e)	Non-Technical con Firm name,		.FLOM	ASSOCIATES, INC		(f) Telephone No. (Area/Co	untry/City code, N	lo. and Ext.)
	contact person,			FLOM, President		602,926,310	0	
	number, street, City, State/Country			rcos Place, #10		(g) FAX No. (Area/Countr	y/City code an	d No.)
	ZIP/Postal Code	·	5224 1	R, ARIZONA, U.S 571	S.A.	602 926 359	8	
(h)	Internet e-mail add	ress: n	flom@g	oodnet.com				
3.	application pursual	nt to 47 CFR §0.45	9 of the Cor	entiality for any portion(s) of mmission's Rules? If "Yes"	see in	structions.	▼ Yes	☐ No
4.	Does the applicant 47 CFR §0.457(d)(defer grant of this application	on pursi	uant to	Yes	No
5.	Type of equipment requested: (check		Cer	rtification	√ Тур	e Acceptance	Notifica	lion
6.(a)	Equipment Code a	BROADCAST TRA	ANSMITTE:		mentw	ill have		-
7.	Application .	LPHONE HANDS						-
	Application							
	счор							
((See instructions)	-	OBICINAL	Con Con	nt date			
			ORIGINAL I		if osia			_
8.	EQUIPMENT SPE	CIFICATIONS: (S (b) Raled RF pov		ons) (c) Frequency tolerance		(d) Emission designator	l (e) Microproci	essor model
(a)	Frequency range in MHz	in walts		%, Hz, ppm		47 CFR §2.201 and §2.202)	num	
824-	849 MHz	0.006-0.4	50 W.	±2.5 ppm		40K0F8W 40K0F1D	N/2	À
		MEA SURED: 24.8 dbm 0.300 W						
9.	Is the equipment in	this application:						
	· •		more than o	one type of equipment author	orization	า?	Yes	✓No
	(b) part of a sy requires an	stem that operates equipment authori	with, or is n zation?	narketed with, another device	ice that		Yes	✓ No
	If either of the s	hove questions is a	nswered "V	(es" complete items 10.(a) a	and (b).	(See instructions)		

PAID BY CREDIT CARD

LAD INSTRUCTIONS CAREFULLY		A
BLFORE PROCEEDING A FEDERAL	COMMUNICATIONS COMMISSION	08-05-98 83158 ISPECIAL
∠ I REI	MITTANCE ADVICE	SPECIAL
S FGC/WENE	AUG 03 1998	FCC USE ONLY
) LOCKBOX#	PAGE NO OF	
SECTION.	A - PAYER INFORMATION	
PAYER NAME II paying by creat acardy enter name exactly as it appears on your card)	A - PATER INTORNATION	(3) TOTAL AMOUNT PAID (dollars and cents)
	orton FLOM	, 580.00
STREET ADDREAS VALVIO 1		
care of: M. FLOM	ASSOCIATES, INC.	
Cuito 10	7, 3356 North San	n Marcos Place
CITY SUITE TO	(7) STATE	(8) ZP COOE
CHANDLER	ARIZONA	85224
DAYTIME TELEPHONE NUMBER (Include area code)	(10) COUNTRY CODE (if not in U.S.A.)	
602 926 3100		
IF PAYER NAME AND THE APPLICA	NT NAME ARE DIFFEREN	IT, COMPLETE SECTION B
IF MORE THAN ONE APPLICAN		
SECTION B APPLICANT NAME (if paying by credit card, order name exactly as it appears on your c	- APPLICANT INFORMATION	VI CONTRACTOR OF THE CONTRACTO
NOKIA MOBILE PHONES, IN		1
STREET ADDRESS LINE NO. 1		
6200 COURTNEY CAMPBELL	CAUSEWAY, STE 90	0
STREET AODRESS LINE NO. 2		
P.O. BOX 30730		(16) ZP COOE
CHY CHARLES	FLORIDA	33630-3730
TAMPA DAYTIME TELEPHONE NUMBER (Include area code)	(18) COLETTRY CODE OF PORT IN LLSA)	33030-3730
(813) 288-3800		
COMPLETE SECTION C FOR EACH SERVICE, IF MOI	RE BOXES ARE NEEDED, USE	CONTINUATION SHEETS (FORM 159-C)
	- PAYMENT INFORMATION	
IAL FCC CALL SIGNOTHER ID (20A) PAYMENT TYPE CORE (PTC)	17 A GOANTY TERAPEL DUE FOR BUTCHARDE	OCK 704 FCU LISE ONLY
F B T	one 130.00	130 , 00
A) FCC GODE 1	(24A) FCC GODE 2	
GML NHA ₇ 9		
98, FCC CALL SIGNOTHER ID (1996) PAYMENT TYPE CODE (PTC)	(216) YUANTI Y (228) FEC DUE I DIR (PTC) IN BLC	111-0
	one 450.00	750. 38
B) FCC CODE 1	(24B) FCC CODE 2	
GML NHA-9 ICLECC CALL SIGNOTHER ID [1200] PAYMENT TYPE CODE (PTC)	(23C) FEE DUC FOR (PTC) NO BAS	on a sec FCC USE ONLY
CONTROL CONTROL (CAR) PARKET THE CODE (CAR)	1	
CLECC CODE 1	ESSECTION S	
3,700 0000 1		1
(O) FCC CALL SIGNOTHER ID (200) PAYMENT TYPE CODE (PTC)	(220) FEE DUE FOR (PTC) IN BLO	
	1 PAIR BY CRET	DIT CARD
ID) FCC CODE 1	[240] FCC COOE 2	
		1
TAVDAVI	ED MICADARATIO	ALL (DEALIDED)
	, 	

From: <Dave.Greenstreet@nmp.nokia.com>

To: G1.G1(FCOPERIC)

Subject: 1/19/99 1:50pm Subject: Nokia GML NHA-9 and NHA-95 Type Acceptances

Hejjo Erank,

With reference to our telephone conversation of today, the following is

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 WHA-9 confidentiality list with the item SAR Report struck through. This is to delete our request for SAR confidentiality.

Best regards, Dave Greenstreet,

FCCMAIL.SMTPULM("william.plummer@ntc.nokia.com","P...

P. 1

* * * 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: F

Frenk Coperich

feoperic@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

THE MEAN PLANTS OF THE PARTY SERVICE AND ADMINISTRATION OF THE PARTY O

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 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.

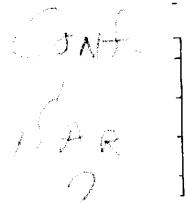
Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

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 FAY-026-3509

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

602-926-3598



Frank:

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

Form 731, Para. 10 is amended and attached.

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

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

NOKIA concurs with these instructions.

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

Best regards, WWW

MORTON FLOM, P. Eng.

mf:mgf encs.

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.



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 nonconfidential, 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.

* * 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

TION NOT Deaths to this amount to a common or a

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.

TTI FCC LAB 301-344-2050

			TIT FCC LMB 301	1-344-2626
FILE MODE	OPTION	ADDRESS (GROUP)	RESULT	PAGE
531 MEMORY TX		916029263598	0K	P. 3/3

602-925-3598

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

M. FLOM ASSOCIATES

PAGE 01



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: VIA FAX:	January 11, 1999
TO: ATTENTION:	Federal Communications Communications
APPLICANT:	NOKIA MOBILE PHONES, INC.
EQUIPMENT: SUBJECT:	FCC ID: GMLNHA-9 AND GMINUA SE
	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





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	THEFT
VIA FAX:	<u>1 301 344 2050</u>	[]
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 Co	rr.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.

Willand

mf;mqf

cc: via fax 011 44 1252 305 200 Dave Greenstreet

=> We have received no reply to the attached messages.

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.





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	7
VIA FAX:	1 301 344 2050	d)
TO:	FEDERAL COMMUNICATIONS COMMISSION	
ATTENTION:	Frank Coperich, Electronics Engineer	
APPLICANT:	NOKIA MOBILE PHONES, INC.	
EQUIPMENT:	NOKIA MOBILE PHONES, INC. FCC ID: GMLNHA 9 Form 731 Conf. #EA91365	- 1
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. vised Page 7.2 of our main report. And accordingly, Para. 8(b) is changed to ERP 0.363W 25.6 dbm radiated.

Please find attached re-And accordingly, Form 731

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 regards,

> > MORTON ELOM, P. Eng.

mf;mqf

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 1 301 344 2050
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/manufacturer's Power Rating.

ERP MESUREMENTS:

Attached please find Revised Page 7.2 of original report.

We trust this now answers your questions.

Personal regards,

MORTON FLOM, P. Eng.

mf;mqf

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

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

TOTAL PAGES:	1
DATE: VIA FAX:	December 16, 1998 1 301 344 2050
TO: ATTENTION:	FEDERAL COMMUNICATIONS COMMISSION Frank Coperich, Electronics Engineer
APPLICANT: EQUIPMENT:	NOKIA MOBILE PHONES, INC. 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 nonconfidential, 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.

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

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.

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

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: VIA FAX:	December 3rd, 1998 1 301 344 2050	Pare D
TO: ATTENTION:	FEDERAL COMMUNICATIONS COMMISSION Richard Fabina	
APPLICANT: EQUIPMENT:	**NOKIA MOBILE PHONES, C. 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, 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

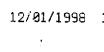
Please direct inquiries, if any, to the sender at extension 220.

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.





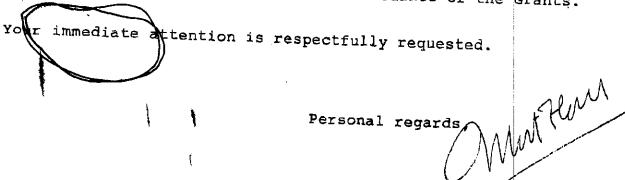
M. Flom Associates, Inc. - Global Compilance Center 3356 North San Marcos Place, Suite 107, Chandler, Arizona 85224-1571

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

	TOTAL PAGES:	1
	DATE:	December 1, 1998
t	VIA FAX:	1 301 244 2050
	ATTENTION:	FEDERAL COMMUNICATIONS COMMISSION
- [APPLICANT:	NOKIA MOBILE PHONES INC.
1	EQUIPMENT: SUBJECT:	TCC ID: I. GMLNHA-9 and GMLNHA ac
-	OGDSEC1.	EA91365. Corresp. 4815 EA91370, Corr. 4817
	Gentlemen: FC	RT Z 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.



Personal regards

MORTON FLOM, P. Eng.

mf;mgf

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602-926-3598

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	الاطيخيط
VIA FAX:	November 25, 1998 1 301 344 2050	$(\alpha < 1)$
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 regard

MORTON FLOM, P. Eng.

mf;mgf enc.

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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: 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.

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





11/18/1998 11:48

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 PHONTES, INC.
EQUIPMENT:	FCC D: 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

MORTON FLOM, P. Eng.

mf;mgf

enc.

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





<u>11/18</u>/1998 11:52

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
	9/30/91

Hi Frank:

In reply to the above message:

- Attached please find revised Page 2 of Form 731, Item 8(b) which is based on ERP/CONDUCTED Measurements performed for the Applipant by RFI of the United Kingdom.
- The Applicant understands that only measurement data cannot (The Commission has be granted CONFIDENTIALITY for SAR reports. granted Confidentiality for methodology in the past).
- 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.

July Hard

mf;mgf enc.

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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:	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)

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:

- "Side of the phone: Maximimum SAR in hand in 10g. mass a.
- b. RADIATED MEASUREMENTS - descriptions
- RESULTS: RF POWER OUTPUT (Radiated & Conducted) С. (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

+44 1252 305000 Fax: +44 1252 305200

e-mail: Dave Greenstreet@nmp.nokia.com

Date:

Monday 16 November, 1998

Pages:

Subject:

FCC requests (Your fax date November 12th.)

Equipment: FCC IDs:

GML NHA-9 and GML NHA-9S A STATE OF THE STATE OF

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.

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 # 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.

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,

MOTON FLOM D FDG

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

cc: Applicant

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

<u>APPLICANT</u>: Nokia Mobile Phones, Inc.

EQUIPMENT: GML NHA-9

CONFIDENTIAL

BY APPLICANT:

- 1. LETTER OF AUTHORIZATION
- 2. IDENTIFICATION DRAWINGS
 - \mathbf{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

- USER GUIDE
- (8) MANUAL(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



Federal Communications Commission EQUIPMENT APPROVAL SERVICES



P. O. Box 35815 Pittsburgh, PA 15251-5315

Attention: Authorization and Evaluation Division

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

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:

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

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.

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

NOKIA R&D (UK) LTD.

NU. ZUONONSNO!



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



NHA-9 SERIES TYPE ACCEPTANCE DOCUMENT

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

Schah

Senior Programs Manager



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: (Sambo)

Position in Company: WEITH SAUNDERS - PROGRAM MANAGER.



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: Western Manager



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: Kander

Position in Company: PROGRAM MANAGER.



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: W. Saunder

Position in Company: program MANAGER