



CERTIFICADO DE CONFORMIDAD

con los requisitos de la norma FCC 47 CFR Parte 15, Subparte B (Ed. 22/07/2003)

Certificate of Conformity

with the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart B (2003/07/22 Ed.)

Nº.: 19786CAB.001

Certificado solicitado por Holder of Certificate	: BLUEGIGA TECHNOLOGIES OY.
Fabricante Manufacturer	: BLUEGIGA TECHNOLOGIES OY
Informe(s) técnico(s), fecha Technical report(s), date	: Informe de ensayo de EMC / EMC Test Report: 19786REM.001 (2003/05/31)
Identificación del producto Product identification	: SERVIDOR DE ACCESO BLUETOOTH. MODELO: WRAP : MULTIRADIO ACCESS SERVER BLUETOOTH ACCESS SERVER. MODEL: WRAP MULTIRADIO ACCESS SERVER

Este Certificado de Conformidad se ha emitido de acuerdo con la decisión Nº 3/2000 de la Comisión Mixta establecida bajo los Acuerdos de Reconocimiento Mutuo entre la Unión Europea y Estados Unidos de América. Mediante esta decisión, CETECOM puede actuar como Organismo de Aseguramiento de la Conformidad (CAB) en materia de Compatibilidad Electromagnética. Este certificado se aplica a las muestras referidas en los informes técnicos mencionados.

This certificate of conformity was issued in accordance with the decision Nº 3/2000 of the Joint Committee established under the Agreement on Mutual Recognition between the European Community and the United States of America. By this decision, CETECOM can act as Conformity Assessment Body (CAB) on Electromagnetic Compatibility. This Certificate applies to the samples listed at technical reports.

Málaga, 2004.05.31.

Fdo. / Signed:
Francisco A. Broissin
Director de División / Division Director

CETECOM
CENTRO DE TECNOLOGIA
DE LAS COMUNICACIONES, S. A.

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TEST REPORT

Report No.: 19786REM.001**TEST NAME: ELECTROMAGNETIC COMPATIBILITY TESTS**

Product : BLUETOOTH ACCESS SERVER
Trade Mark : BLUEGIGA
Model/ type Ref. : WRAP MULTIRADIO ACCESS SERVER
Manufacturer : BLUEGIGA TECHNOLOGIES OY
Requested by : BLUEGIGA TECHNOLOGIES OY
Other identification of the product : A multiradio Access Server which supports up to 21 connections and also GSM/GPRS and WLAN connectivity. Serial number 0403030003.
Standard(s) : On the sample S/03:
ELECTROMAGNETIC EMISSION.
- FCC Rules and Regulations 47 CFR Part 15, Subpart B (2003/07/22 Ed.); Continuous Conducted Emission (Class B).
On the sample S/15:
ELECTROMAGNETIC EMISSION.
- FCC Rules and Regulations 47 CFR Part 15, Subpart B (2003/07/22 Ed.); Radiated Emission (Class B).

This test report includes 1 annex and therefore, the total number of pages is 27.

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Date: 2004-05-31	Test operator: Rafael López 	Revised by: Date: 2004. 05. 31 Antonio Rojas Area Manager	Approved by: Date: 2004. 05. 31 Francisco Broissin Division Director  	Page: 1 of 7
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A. MEASURING RESULTS FOR ELECTROMAGNETIC EMISSIONS	20 PAGES
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1. COMPETENCE AND GUARANTEES

This certificate of conformity was issued in accordance with the decision N° 3/2000 of the Joint Committee established under the Agreement on Mutual Recognition between the European Community and the United States of America. By this decision, CETECOM can act as Conformity Assessment Body (CAB) on Electromagnetic Compatibility. This Certificate applies to the samples listed at technical reports.

CETECOM is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, CETECOM has a calibration and maintenance programme for its measurement equipment.

CETECOM guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at CETECOM at the time of performance of the test.

CETECOM is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

2. GENERAL CONDITIONS

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of CETECOM.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of CETECOM and the Accreditation Bodies.

3. CHARACTERISTICS OF THE TEST

3.1. SERVICES REQUESTED

The ordered services were to carry out the following tests:

1. Continuous conducted emission, power leads:
Standard: FCC Rules and Regulations 47 CFR Part 15
Limit: Class B
Method: FCC Rules and Regulations 47 CFR Part 15, Subpart B
2. Radiated emission, electromagnetic field:
Standard: FCC Rules and Regulations 47 CFR Part 15

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Limit: Class B

Method: FCC Rules and Regulations 47 CFR Part 15, Subpart B

3.2. REQUIREMENTS AND METHOD

The test has been carried out according to the following documents and standards:

1. FCC Rules and Regulations 47 CFR Part 15, Subpart B: Limits and methods of measurements for radio frequency devices. Unintentional radiators.

The testing procedures used are:

1. PEEM001: Medida de la tensión perturbadora en bornes de alimentación según EN 55022.
2. PEEM002: Medida del campo perturbador radiado según EN 55022.

Uncertainty (factor $k=2$) was calculated according to the following CETECOM's internal documents:

1. PODT000: Procedimiento para el cálculo de incertidumbres de medida
2. FEM12_07: Formato de cálculo de incertidumbre a aplicar en la medida de la tensión perturbadora en bornes de alimentación según EN 55022.
3. FEM13_08: Formato de cálculo de incertidumbre a aplicar en la medida del campo perturbador radiado según EN 55022.
4. FET298_01: Formato de cálculo de incertidumbre a aplicar en la medida del campo perturbador radiado entre 1 y 25 GHz.

4. IDENTIFICATION DATA SUPPLIED BY THE APPLICANT

Identification data included in this section has been supplied by the client.

4.1. APPLICANT

Name / Company: Bluegiga Technologies Oy

V.A.T. Registration number / Passport number: F-10934238

Address: Sinikalliontie, 11, Espoo, P.C.: 02631

Country: Finland

Telephone: +358 40 848 3339

Fax: +358 9 4124 0452

Contact person: Mikael Björkas

4.2. TEST SAMPLES SUPPLIER

The same as the applicant.

Samples undergoing test have been selected by: **The client.**

4.3. IDENTIFICATION OF ITEM/ITEMS TESTED

Product: Bluetooth Access Server

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Trade mark: Bluegiga **Model:** WRAP Multiradio Access Server

Manufacturer: Bluegiga Technologies Oy.

Country of manufacture: Finland

Manufacture site address: Sinikalliontie 11, Espoo

Other identification remarks : Serial number 0403030003.

Description: A multiradio Access Server which supports up to 21 connections and also GSM/GPRS and

5. USAGE OF SAMPLES, TESTING PERIOD AND ENVIRONMENTAL CONDITIONS

5.1. USAGE OF SAMPLES

Sample S/03 is composed of the following elements:

<u>Control No.</u>	<u>Description</u>	<u>Model</u>	<u>Serial No.</u>	<u>Date of reception</u>
19786/05	Bluetooth Access Server	Wrap 2293	0401200035	10/02/04
19786/11	AC/DC Adapter	PSA11R-120	----	10/02/04

During the tests were used next ancillary equipment:

<u>Control No.</u>	<u>Description</u>	<u>Model</u>	<u>Serial No.</u>	<u>Date of reception</u>
19786/02	AC/DC Adapter	PSA11R-120	----	10/02/04
19786/09	Null Modem Adapter			10/02/04
19786/10	Bluetooth Access Server	Wrap 2293	0401200034	10/02/04

NOTE 1: The following modifications were made to the sample S/03:

- 1 Fair Rite 0443164151 ferrite were added in the power cable, with 3 turns.

Sample S/15 is composed of the following elements:

<u>Control No.</u>	<u>Description</u>	<u>Model</u>	<u>Serial No.</u>	<u>Date of reception</u>
19786/11	AC/DC Adapter	PSA11R-120	----	10/02/04
19786/22	Bluetooth Access Server	Wrap 2293	0403030003	05/03/04
19786/23	Ethernet shielding cable	----	----	05/03/04

During the tests were used next ancillary equipment:

<u>Control No.</u>	<u>Description</u>	<u>Model</u>	<u>Serial No.</u>	<u>Date of reception</u>
19786/09	Null Modem Adapter			10/02/04
19786/10	Bluetooth Access Server	Wrap 2293	0401200034	10/02/04

NOTE 1: The following modifications were made to the sample S/15:

- 1 Fair Rite 0443164151 ferrite were added in the power cable, with 2 turns.

Different samples were used in the following way:

1. Sample S/03 has undergone to the following test(s):

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1. Continuous conducted emission, power leads
2. Sample S/15 has undergone to the following test(s):
 1. Radiated emission, electromagnetic field

5.2. TESTING PERIOD

The performed test started on 2004/02/16 and finished on 2004/05/05.

The tests have been performed at CETECOM.

5.3. ENVIROMENTAL CONDITIONS

Environmental conditions:

In the control chamber, the following limits were not exceeded during the test:

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 20 % Max. = 80 %
Shielding effectiveness	> 100 dB
Electric insulation	> 10 k Ω
Reference resistance to earth	< 0,5 Ω

In the semianechoic chamber (21 meters x 11 meters x 8 meters), the following limits were not exceeded during the test.

Temperature	Min. = 15 °C Max. = 30 °C
Relative humidity	Min. = 45 % Max. = 60 %
Air pressure	Min. = 860 mbar Max. = 1060 mbar
Shielding effectiveness	> 100 dB
Electric insulation	> 10 k Ω
Reference resistance to earth	< 0,5 Ω
Normal site attenuation (NSA)	< ± 4 dB at 10 m distance between item under test and receiver antenna, (30 MHz to 1000 MHz)
Field homogeneity	More than 75% of illuminated surface is between 0 and 6 dB (26 MHz to 1000 MHz).

In the chamber for conducted measurements, the following limits were not exceeded during the test:

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Temperature	Min. = 15 °C Max. = 30 °C
Relative humidity	Min. = 45 % Max. = 60 %
Air pressure	Min. = 860 mbar Max. = 1060 mbar
Shielding effectiveness	> 100 dB
Electric insulation	> 10 kΩ
Reference resistance to earth	< 0,5 Ω

6. TEST RESULTS

Abbreviations used in the VERDICT column of the following tables are:

P	Pass
F	Fail
NA	not applicable
NM	not measured

6.1. RESULTS FOR ELECTROMAGNETIC EMISSION

See Annex: A

MEASURING RESULTS FOR ELECTROMAGNETIC EMISSION	VERDICT			
	NA	P	F	NM
Continuous conducted emission, power leads. Class B. (On sample 03)		P		
Radiated emission, electromagnetic field. Class B. (On sample 15)		P		

7. REMARKS AND COMMENTS

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 150 kHz to 30 MHz is $1 = \pm 3$ dB for quasi-peak measurements, $1 = \pm 2,8$ dB for peak measurements ($k = 2$).

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 30 MHz to 1 GHz is $1 = \pm 3,1$ dB for quasi-peak measurements, $1 = \pm 2,9$ dB for peak measurements ($k = 2$) and from 1 to 12,75 GHz is $1 = \pm 4,04$ dB for average measurements. And for average measurements from 1 to 12,75 GHz the uncertainty $1 = \pm 4,04$ dB and from 12,75 GHz to 25 GHz is 4,21 dB.

7.1. SUMMARY

Considering the results of the performed test, stated in annex A, the item under test is **IN COMPLIANCE** with the specifications listed in section 3.1 "TEST REQUESTED".

NOTE: The results presented in this Test Report apply only to the particular item under test established in section "4.3. IDENTIFICATION OF ITEM/ITEMS TESTED" of this document, as presented for test on the date(s) shown in section 5, "USAGE OF SAMPLES, TESTING PERIOD AND ENVIRONMENTAL CONDITIONS".

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ANNEX A

MEASURING RESULTS FOR ELECTROMAGNETIC EMISSION

For the samples under test, named S/03 and S/15, and that were formed by the elements described in the clause “Identification of the tested item/items” of this test report.

ANNEX A CONTENTS:

1. - CONTINUOUS CONDUCTED EMISSION, POWER LEADS ON THE SAMPLE S/03	2
2. - RADIATED EMISSION, ELECTROMAGNETIC FIELD ON SAMPLE S/15	3
3. - GRAPH RESULTS	3
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* * *

1. - CONTINUOUS CONDUCTED EMISSION, POWER LEADS ON THE SAMPLE S/03

LIMITS OF INTERFERENCE

The applied limit for continuous conducted emissions in power leads, according with the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart B (2003/07/22 Ed.) in the frequency range 0,15 to 30 MHz, for Class B equipment was:

Frequency range (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0,15 to 0,5	66-56	56-46
0,5 to 5	56	46
5 to 30	60	50

TEST METHOD

According to Part 15, Subpart B of FCC Rules (2003/07/22 Ed.)

OPERATING MODES OF EUT

Different tested operating modes (OM)

- OM#01: EUT ON. Stand by. Idle mode.
- OM#02: EUT ON. Communication bluetooth established.

TEST RESULTS

CCmmnnxx: CC, Conduction condition^o; mm: sample number; nn: operation mode; xx: wire.

- OM#01.

CDmmnnxx	Description	Result
CC03010N	Interference voltage on N wire	PASS
CC0301L1	Interference voltage on L1 wire	PASS

- OM#02.

CDmmnnxx	Description	Result
CC03020N	Interference voltage on N wire	PASS
CC0302L1	Interference voltage on L1 wire	PASS

2. - RADIATED EMISSION, ELECTROMAGNETIC FIELD ON SAMPLE S/15

LIMITS OF INTERFERENCE

The applied limit for radiated emissions, 3 m distance, according with the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart B (2003/07/22 Ed.) in the frequency range 30 MHz to 12.5 GHz, for Class B equipment was:

Frequency range (MHz)	Limit for 3 m ($\mu\text{V/m}$)	Limit for 3 m ($\text{dB}\mu\text{V/m}$)
30 to 88	100	40
88 to 216	150	43,52
216 to 960	200	46,02
Above 960	500	53,98

TEST METHOD

According to Part 15, Subpart B of FCC Rules (2003/07/22 Ed.)

OPERATING MODES OF EUT

Different tested operating modes (OM)

- OM#01: EUT ON. Idle mode.

TEST RESULTS

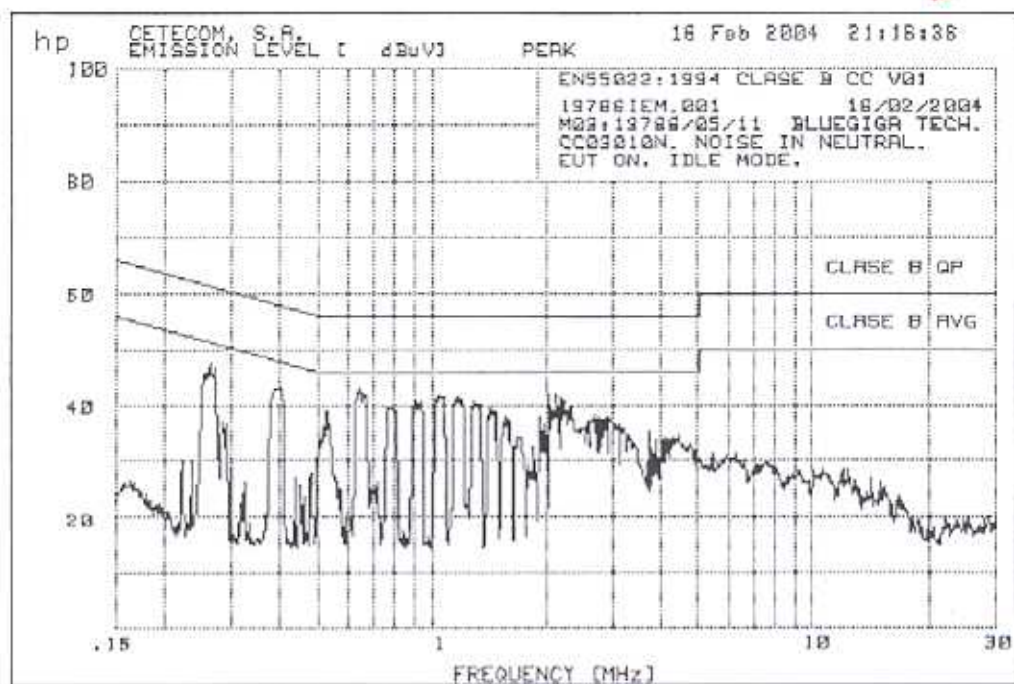
CRmmnn: CR, Radiated Condition; mm: sample number; nn: operation mode.

- OM#01.

CRmmnn	Description	Result
CR1501RB	[30 MHz - 1000 MHz]	PASS
CR1501RAPH	[1 GHz - 12,5 GHz]	PASS
CR1501RAPV	[1 GHz - 12,5 GHz]	PASS

3. - GRAPH RESULTS

See next pages.



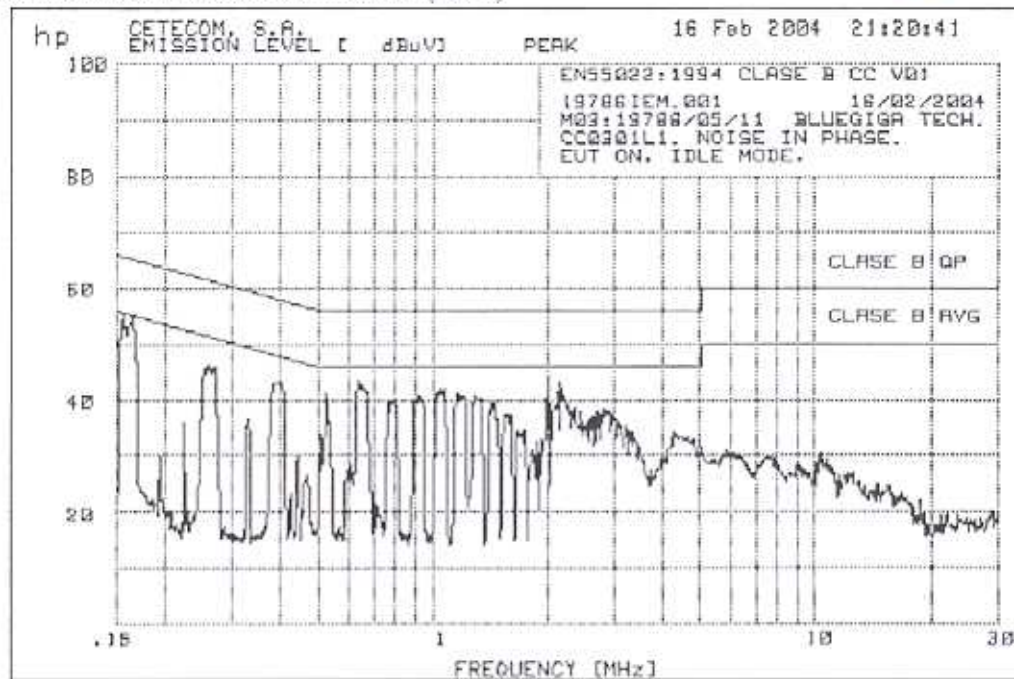
Peaks above -10 dB of Limit Line #2
peak criteria = 1 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.2587	46.5	-4.9
2	.2643	47.3	-3.9
3	.2714	46.5	-4.5
4	.3994	43.2	-4.6
5	.5259	38.9	-7.1
6	.5315	39.1	-6.9
7	.643	43	-3.0
8	.7658	39.8	-6.2
9	.8976	40.5	-5.5
10	.9119	40.5	-5.5
11	.9413	40.5	-5.5
12	1.041	41.8	-4.2
13	1.151	40.9	-5.1
14	1.163	41.4	-4.6
15	1.273	39.8	-6.2
16	1.286	40.5	-5.5
17	1.415	39.3	-6.7
18	1.43	39	-7.0
19	1.468	38.9	-7.1
20	1.573	37.7	-8.3
21	1.598	37.2	-8.8
22	1.913	36.1	-9.9
23	1.934	38	-8.0
24	1.975	36.8	-9.2
25	2.039	41.7	-4.3
26	2.071	38.8	-7.2
27	2.105	40.6	-5.4
28	2.127	41.8	-4.2

Continuous conducted emission: CC03010N (Peak)

29	2.172	41.6	-4.4
30	2.196	41.1	-4.9
31	2.243	40.8	-5.2
32	2.266	39.1	-6.9
33	2.303	39.8	-6.2
34	2.327	39.7	-6.3
35	2.573	36.9	-9.1
36	2.685	38.3	-7.7
37	2.742	37.9	-8.1
38	2.771	37.6	-8.4
39	2.816	37.6	-8.4
40	2.861	37.9	-8.1
41	2.891	37.8	-8.2
42	2.938	37.5	-8.5
43	3	36.8	-9.2

Continuous conducted emission: CC03011.1 (Peak)



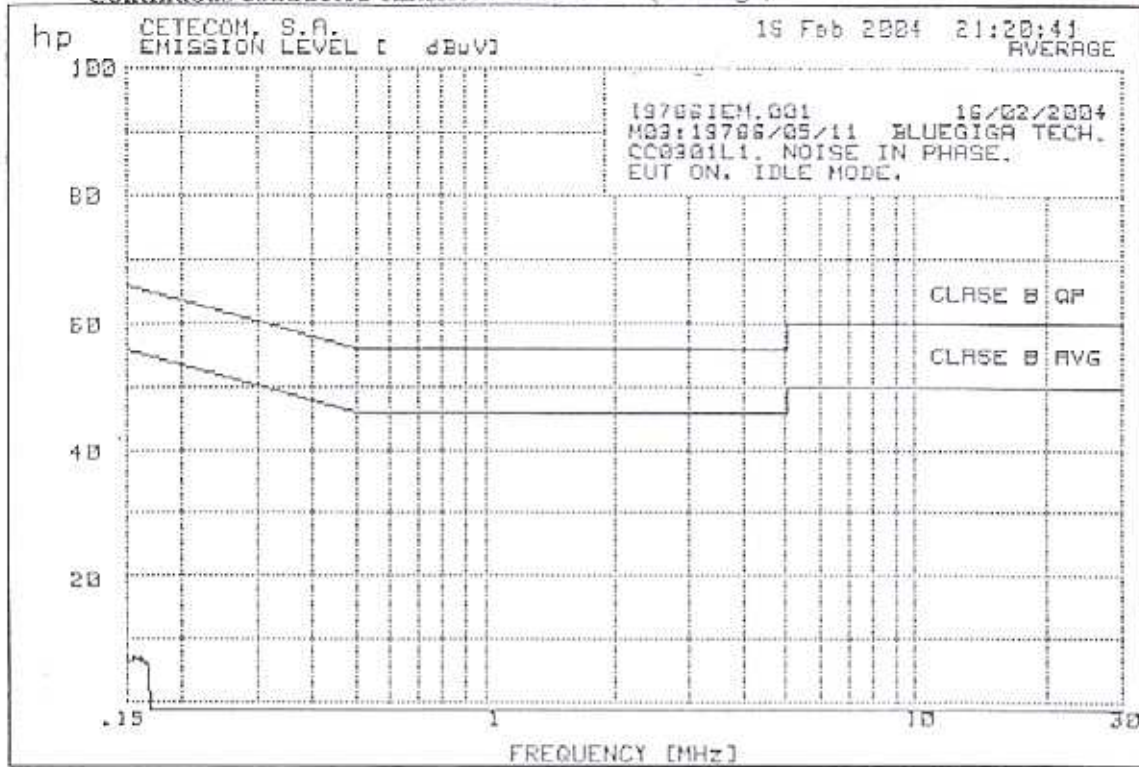
Peaks above -10 dB of Limit Line #2
peak criteria = 1 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.1557	55.1	-1.5
2	.1641	54.5	-1.7
3	.2615	46.3	-5.0
4	.2671	45.9	-5.3
5	.3972	43.1	-4.8
6	.5287	40.9	-5.1
7	.6363	43.3	-2.7
8	.7658	39.8	-6.2
9	.7739	39.8	-6.2
10	.9216	40.7	-5.3
11	1.052	41.8	-4.2
12	1.08	41.7	-4.3
13	1.169	41.2	-4.8
14	1.273	39.5	-6.5
15	1.293	40.6	-5.4
16	1.415	39.3	-6.7
17	1.445	39.5	-6.5
18	1.461	39.5	-6.5
19	1.484	36.8	-9.2
20	1.565	37.6	-8.4
21	1.607	37.1	-8.9
22	2.007	43.9	-2.1
23	2.039	39.6	-6.4
24	2.127	41.6	-4.4
25	2.15	42.9	-3.1
26	2.278	38.8	-7.2
27	2.352	38.6	-7.4
28	2.441	37.7	-8.3

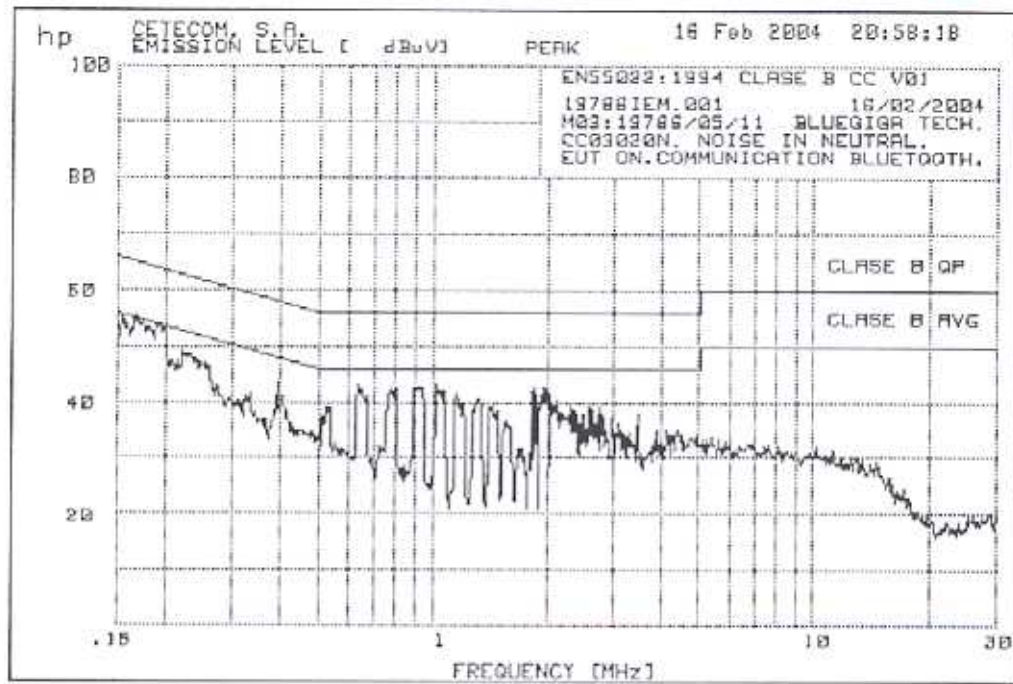
Continuous conducted emission: CC03011.1 (Peak)

29	2.56	36.8	-9.2
30	2.587	37.1	-8.9
31	2.656	37.1	-8.9
32	2.699	37.9	-8.1
33	2.742	37.5	-8.5
34	2.801	38.2	-7.8
35	2.953	37.3	-8.7

Continuous conducted emission: CC0301L1 (Average)



No Avg Peaks above -10 dB of Limit Line #2



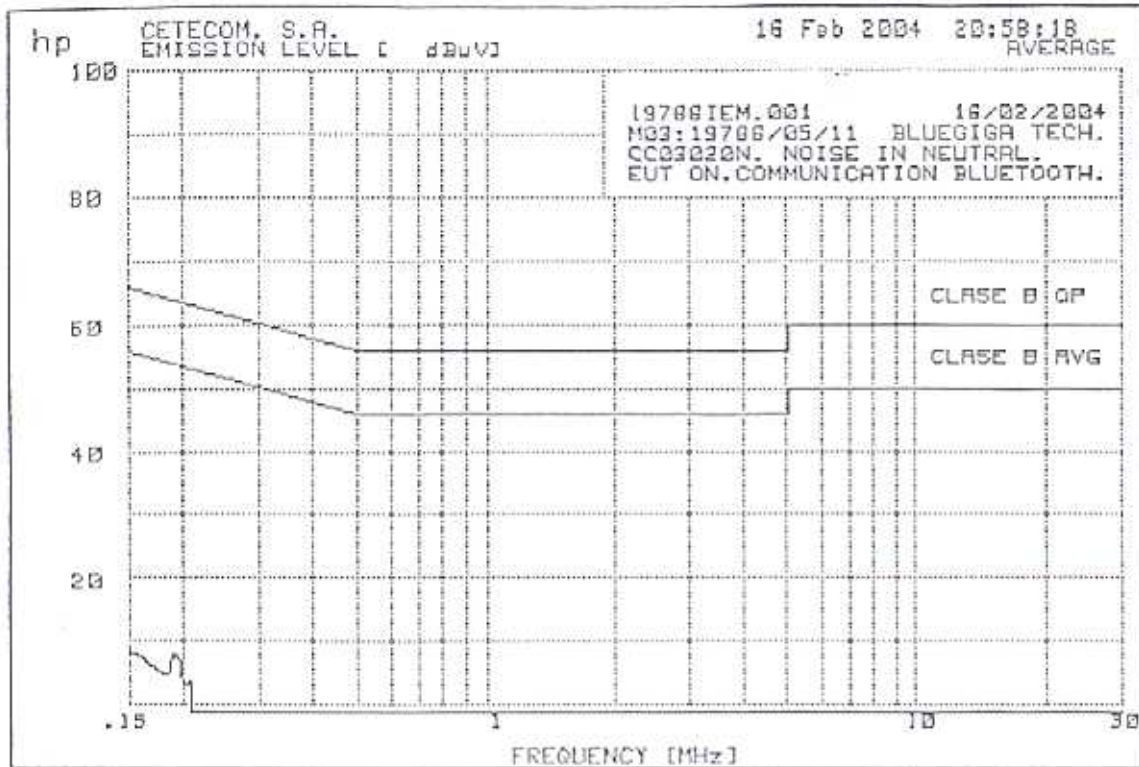
Peaks above -10 dB of Limit Line #2
peak criteria = 1 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.154	55.4	-.3
2	.1685	55.4	.4
3	.1815	53.5	-.9
4	.1893	53.9	-.1
5	.1996	53.6	0.0
6	.2083	47.6	-5.6
7	.215	47.6	-5.4
8	.2219	48.9	-3.8
9	.248	47.1	-4.7
10	.2728	43	-8.0
11	.2892	40.7	-9.8
12	.3098	40.4	-9.5
13	.3249	41	-8.5
14	.3336	41.4	-7.9
15	.3828	38.8	-9.4
16	.3931	43.3	-4.6
17	.4057	40.9	-6.8
18	.5094	37.4	-8.6
19	.5176	37.5	-8.5
20	.5287	39	-7.0
21	.54	38.9	-7.1
22	.6397	43.1	-2.9
23	.7739	42.3	-3.7
24	.7905	42.2	-3.8
25	.8074	42.1	-3.9
26	.8928	42.7	-3.3
27	1.025	43.1	-2.9
28	1.063	42.2	-3.8

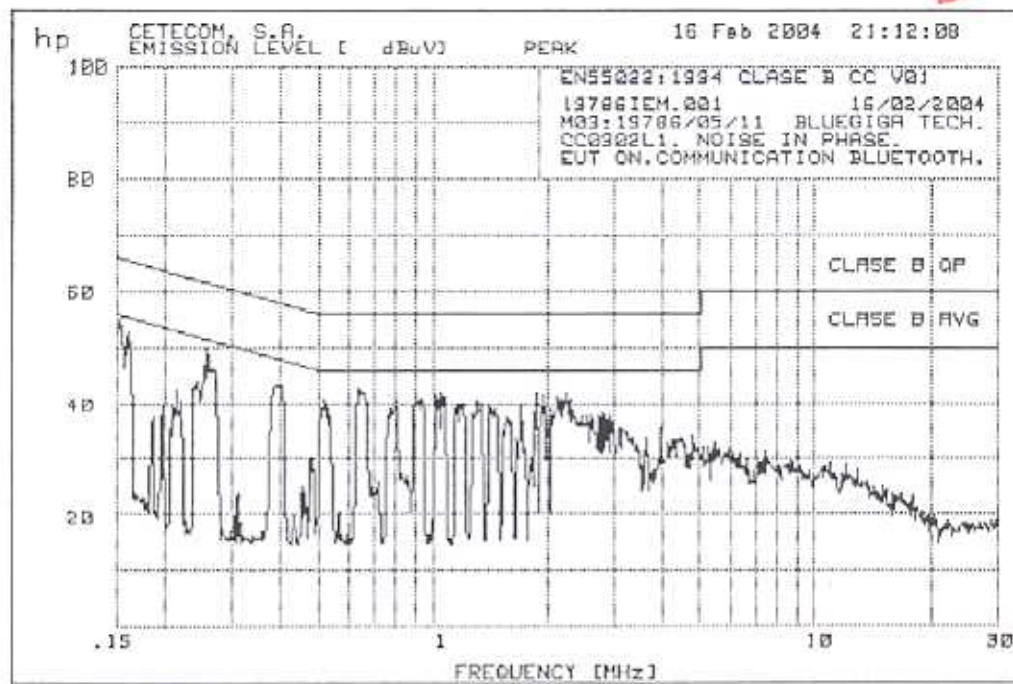
Continuous conducted emission: CC03020N (Peak)

29	1.157	41.6	-4.4
30	1.176	40.5	-5.5
31	1.195	39.7	-6.3
32	1.307	40.8	-5.2
33	1.408	39.2	-6.8
34	1.476	38.5	-7.5
35	1.573	36.8	-9.2
36	1.834	42.8	-3.2
37	1.853	37.1	-8.9
38	1.873	41.3	-4.7
39	1.934	41.4	-4.6
40	1.954	42.7	-3.3
41	1.986	42.2	-3.8
42	2.039	41.4	-4.6
43	2.093	39.6	-6.4
44	2.116	40.1	-5.9
45	2.15	38.4	-7.6
46	2.184	38.2	-7.8
47	2.291	38.9	-7.1
48	2.327	38.7	-7.3
49	2.352	38.6	-7.4
50	2.377	37.9	-8.1
51	2.428	36.3	-9.7
52	2.454	37.8	-8.2
53	2.506	37.9	-8.1
54	2.573	39	-7.0
55	2.615	38.9	-7.1
56	2.642	38.6	-7.4
57	2.685	36.3	-9.7
58	2.742	39.1	-6.9
59	2.801	37.9	-8.1
60	2.846	37.6	-8.4
61	2.938	37.2	-8.8
62	3.081	36.2	-9.8
63	3.48	37.7	-8.3

Continuous conducted emission: CC03020N (Average)



No Avg Peaks above -10 dB of Limit Line #2

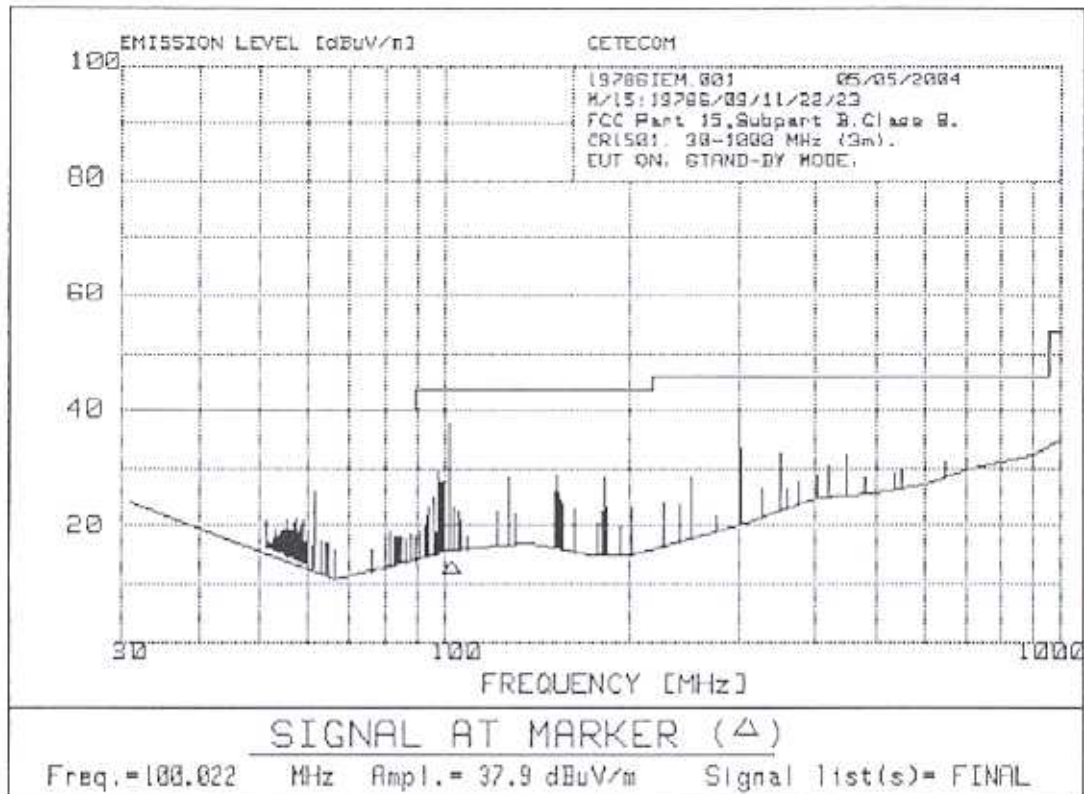


Peaks above -10 dB of Limit Line #2
peak criteria = 1 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.1524	54.8	-1.0
2	.1607	52.6	-2.8
3	.1624	51	-4.3
4	.2428	43.7	-8.2
5	.2547	46.5	-5.1
6	.2574	49.9	-1.6
7	.3994	43.3	-4.5
8	.5094	39	-7.0
9	.5203	40.7	-5.3
10	.5315	39	-7.0
11	.54	37.8	-8.2
12	.6397	42.6	-3.4
13	.7698	39	-7.0
14	.7989	38.9	-7.1
15	.8074	40.4	-5.6
16	.9265	40.5	-5.5
17	.9413	40.7	-5.3
18	1.025	41.6	-4.4
19	1.041	41.7	-4.3
20	1.063	41	-5.0
21	1.157	40	-6.0
22	1.169	40	-6.0
23	1.273	38.2	-7.8
24	1.307	40.1	-5.9
25	1.349	39.8	-6.2
26	1.408	39.4	-6.6
27	1.461	38.9	-7.1
28	1.573	37.4	-8.6

Continuous conducted emission: CC0302I.1 (Peak)

29	1.703	39.5	-6.5
30	1.863	41.8	-4.2
31	1.913	39.3	-6.7
32	1.944	41.4	-4.6
33	1.965	39.5	-6.5
34	2.039	39	-7.0
35	2.127	41	-5.0
36	2.172	40.5	-5.5
37	2.231	41.9	-4.1
38	2.291	40.8	-5.2
39	2.315	38.8	-7.2
40	2.377	37.5	-8.5
41	2.467	37.7	-8.3
42	2.546	38	-8.0
43	2.615	37.8	-8.2
44	2.699	37.9	-8.1
45	2.771	38.1	-7.9
46	2.816	38	-8.0
47	2.891	38	-8.0
48	2.938	36.8	-9.2



PRODUCT EMISSIONS

19786IEM.001 05/05/2004 Data File: CR1501 5 May 2004 21:20

No	EMISSION FREQUENCY MHz	SPEC LIMIT dBuV/m	MEASUREMENTS			SITE			CORR FACTOR dB	COMMENTS
			ABS	dLIM	MODE	POL	HGT cm	AZM deg		
1	48.74	40.0	17.6	-22.4	PK	V	250	90	N/T	
2	50.06	40.0	20.9	-19.1	PK	V	250	1	N/T	
3	50.24	40.0	18.8	-21.2	PK	V	250	90	N/T	
4	50.61	40.0	17.4	-22.6	PK	V	250	90	N/T	
5	50.98	40.0	17.2	-22.8	PK	V	250	90	N/T	
6	51.34	40.0	18.0	-22.0	PK	V	250	90	N/T	
7	51.75	40.0	19.6	-20.4	PK	V	250	90	N/T	
8	52.11	40.0	17.4	-22.6	PK	V	250	90	N/T	
9	52.48	40.0	18.4	-21.6	PK	V	250	90	N/T	
10	52.84	40.0	19.1	-20.9	PK	V	250	90	N/T	
11	53.21	40.0	19.5	-20.5	PK	V	250	90	N/T	
12	53.58	40.0	19.5	-20.5	PK	V	250	90	N/T	
13	53.94	40.0	20.3	-19.7	PK	V	250	90	N/T	
14	54.34	40.0	20.8	-19.2	PK	V	250	90	N/T	
15	54.71	40.0	19.4	-20.6	PK	V	250	90	N/T	
16	55.04	40.0	19.4	-20.6	PK	V	250	90	N/T	
17	55.44	40.0	20.6	-19.4	PK	V	250	90	N/T	
18	55.81	40.0	21.5	-18.5	PK	V	250	90	N/T	
19	56.17	40.0	19.1	-20.9	PK	V	250	90	N/T	
20	56.50	40.0	19.2	-20.8	PK	V	250	90	N/T	
21	56.91	40.0	20.3	-19.7	PK	V	250	90	N/T	
22	57.27	40.0	20.9	-19.1	PK	V	250	90	N/T	
23	57.64	40.0	16.5	-23.5	PK	V	250	90	N/T	

Radiated emission: CR1501RB

24	58.04	40.0	17.6	-22.4	PK	V	250	90	N/T
25	58.41	40.0	18.3	-21.7	PK	V	250	90	N/T
26	58.74	40.0	19.1	-20.9	PK	V	250	90	N/T
27	59.50	40.0	16.5	-23.5	PK	V	250	90	N/T
28	60.02	40.0	26.0	-14.0	PK	V	250	90	N/T
29	61.37	40.0	16.9	-23.1	PK	V	250	90	N/T
30	61.70	40.0	17.6	-22.4	PK	V	250	90	N/T
31	62.80	40.0	17.1	-22.9	PK	V	250	90	N/T
32	63.16	40.0	17.1	-22.9	PK	V	250	90	N/T
33	64.63	40.0	15.9	-24.1	PK	V	250	1	N/T
34	74.20	40.0	16.1	-23.9	PK	V	250	90	N/T
35	78.32	40.0	17.0	-23.0	PK	V	250	90	N/T
36	79.79	40.0	18.6	-21.4	PK	V	250	90	N/T
37	80.11	40.0	19.1	-20.9	PK	V	250	90	N/T
38	81.22	40.0	18.3	-21.7	PK	V	250	90	N/T
39	81.97	40.0	18.3	-21.7	PK	V	250	90	N/T
40	82.72	40.0	18.2	-21.8	PK	V	250	90	N/T
41	83.51	40.0	18.2	-21.8	PK	V	250	90	N/T
42	84.94	40.0	17.8	-22.2	PK	V	250	90	N/T
43	86.41	40.0	18.5	-21.5	PK	V	250	90	N/T
44	87.91	40.0	18.3	-21.7	PK	V	250	90	N/T
45	89.38	44.0	19.2	-24.8	PK	V	250	90	N/T
46	90.92	44.0	20.4	-23.6	PK	V	250	90	N/T
47	91.96	44.0	21.9	-22.1	PK	V	250	90	N/T
48	92.75	44.0	23.4	-20.6	PK	V	250	90	N/T
49	93.82	44.0	24.8	-19.2	PK	V	250	1	N/T
50	94.96	44.0	19.2	-24.8	PK	H	250	1	N/T
51	95.72	44.0	29.6	-14.4	PK	V	250	90	N/T
52	96.83	44.0	27.8	-16.2	PK	V	250	90	N/T
53	97.22	44.0	27.8	-16.2	PK	V	250	90	N/T
54	98.29	44.0	24.1	-19.9	PK	V	250	1	N/T
55	98.65	44.0	27.6	-16.4	PK	V	250	90	N/T
56	100.022	44.0	37.9	-6.1	QP	V	103	47	-2.4
57	101.50	44.0	23.3	-20.7	PK	V	250	90	N/T
58	103.01	44.0	22.5	-21.5	PK	V	250	1	N/T
59	104.44	44.0	21.0	-23.0	PK	V	250	1	N/T
60	104.62	44.0	18.8	-25.2	PK	H	250	1	N/T
61	106.66	44.0	18.2	-25.8	PK	H	250	1	N/T
62	120.08	44.0	22.5	-21.5	PK	V	250	90	N/T
63	125.10	44.0	28.5	-15.5	PK	V	250	1	N/T
64	128.53	44.0	22.3	-21.7	PK	V	250	1	N/T
65	148.07	44.0	26.2	-17.8	PK	H	250	90	N/T
66	150.07	44.0	28.8	-15.2	PK	H	250	90	N/T
67	151.00	44.0	25.9	-18.1	PK	H	250	90	N/T
68	152.54	44.0	24.4	-19.6	PK	H	250	90	N/T
69	154.01	44.0	23.6	-20.4	PK	H	250	90	N/T
70	160.24	44.0	23.1	-20.9	PK	H	250	90	N/T
71	175.03	44.0	20.5	-23.5	PK	V	250	1	N/T
72	177.55	44.0	22.6	-21.4	PK	H	250	90	N/T
73	179.76	44.0	28.6	-15.4	PK	H	250	90	N/T
74	180.19	44.0	19.6	-24.4	PK	V	250	1	N/T
75	181.64	44.0	23.3	-20.7	PK	H	250	90	N/T
76	190.48	44.0	19.8	-24.2	PK	V	250	90	N/T
77	199.78	44.0	20.0	-24.0	PK	H	250	1	N/T
78	200.09	44.0	23.2	-20.8	PK	V	250	90	N/T
79	225.1	46.0	24.2	-21.8	PK	H	250	1	N/T
80	239.8	46.0	23.6	-22.4	PK	V	250	90	N/T
81	250.2	46.0	28.4	-17.6	PK	H	250	1	N/T
82	275.3	46.0	22.0	-24.0	PK	H	250	1	N/T
83	300.017	46.0	39.2	-6.8	QP	H	134	210	1.8
84	300.5	46.0	33.4	-12.6	PK	H	250	1	N/T
85	325.1	46.0	26.6	-19.4	PK	H	250	1	N/T
86	350.1	46.0	32.7	-13.3	PK	V	250	1	N/T
87	359.5	46.0	26.6	-19.4	PK	H	250	1	N/T

Radiated emission: CR1501RB

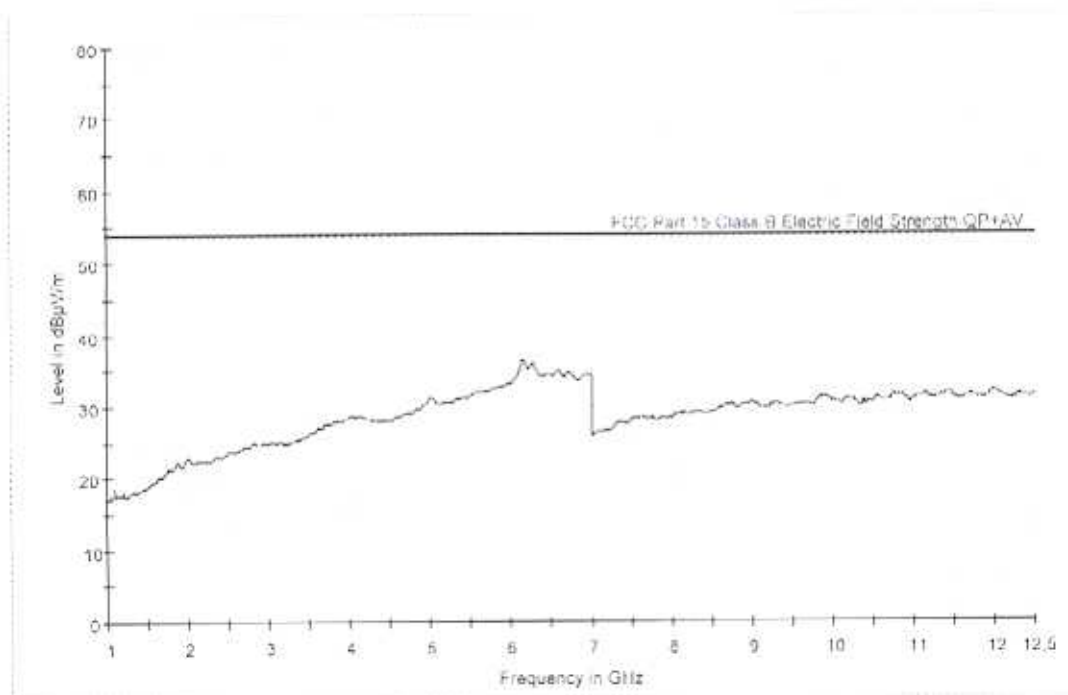
88	375.1	46.0	27.5	-18.5	PK	V	250	1	N/T
89	400.3	46.0	28.8	-17.2	PK	V	250	90	N/T
90	419.4	46.0	30.4	-15.6	PK	H	250	1	N/T
91	450.2	46.0	32.2	-13.8	PK	H	250	90	N/T
92	479.4	46.0	28.5	-17.5	PK	H	250	1	N/T
93	539.2	46.0	29.3	-16.7	PK	V	250	90	N/T
94	550.1	46.0	29.9	-16.1	PK	V	250	1	N/T
95	650.1	46.0	31.1	-14.9	PK	V	250	1	N/T
96	700.3	46.0	32.1	-13.9	PK	V	250	90	N/T

N/T in CORR FACTOR column denotes a non-traceable signal.

Test Information

Proyecto:	19786iem.001
Empresa:	BLUEGIGA TECHNOLOGIES OY
Muestra:	M/15
Modo operacion:	MO#01
Fecha:	2004-05-05
Setup:	EMI radiated

FCC 1-12.5GHz



Peak Reduction

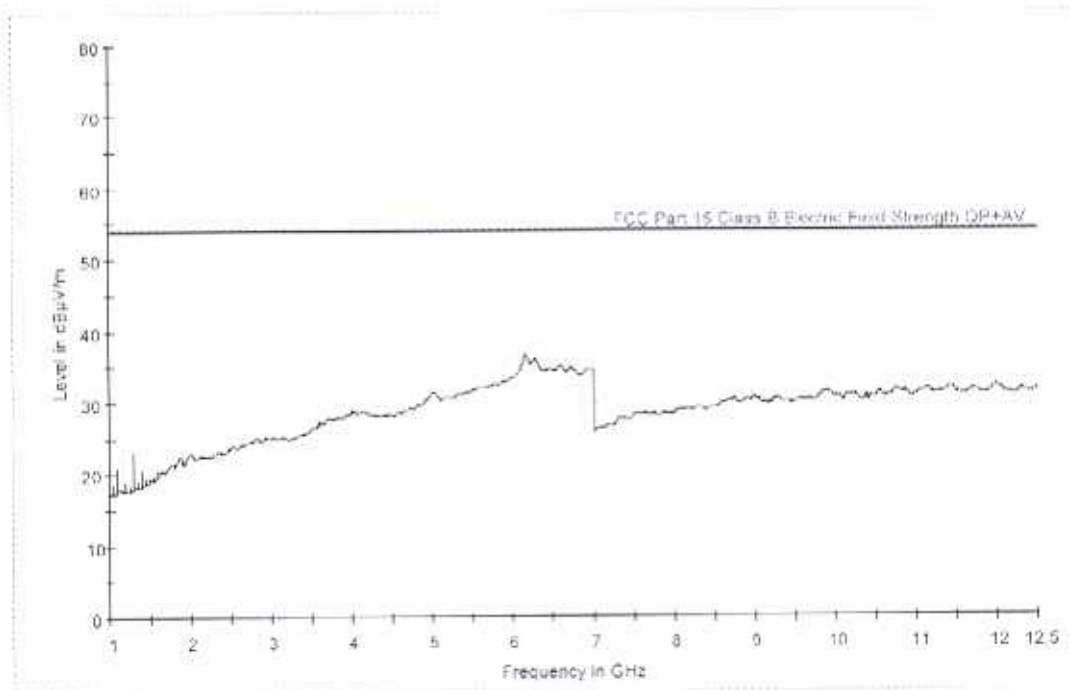
Frequency (MHz)	Average-ClearWrite (dBµV/m)	Comment
6160.000000	36.5	
12000.000000	32.2	

Radiated emission: CR1501RAPV

Test Information

Proyecto:	19786iem.001
Empresa:	BLUEGIGA TECHNOLOGIES OY
Muestra:	M/15
Modo operacion:	MO#01
Fecha:	2004-05-05
Setup:	EMI radiated

FCC 1-12.5GHz



Peak Reduction

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Comment
6160.000000	36.5	
12010.000000	32.2	

4. - EQUIPMENT UNDER TEST PICTURES

