

July 16, 2001

Federal Communications Commission
Equipment Approval Services
7435 Oakland Mills Road
Columbia, MD 21046
Attn: Frank Coperich

**SUBJECT: Itronix Corporation
FCC ID: KBCIX550RIM802
731 Confirmation No.: EA101486
Correspondence Reference No.: 19940**

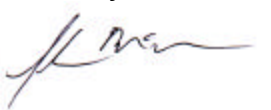
Dear Frank:

On behalf of Itronix Corporation is our response to your e-mail dated July 13, 2001 requesting additional information for the subject application.

1. Attached is the revised Confidentiality Request letter, which includes the Antenna Specifications.
2. The ERP calculation of the EUT was performed as follows: The forward power into the substitution half-wave dipole was determined by taking into account the cable loss between the signal generator and the antenna, and further correcting for the gain of the substitution antenna relative to an ideal half-wave dipole antenna with 0dBd gain. Attached are the calibrated gain values for the substitution half-wave dipole antenna.
3. Attached are the antenna gain values for the substitution double-ridged wave-guide antenna used in determining the radiated spurious emissions of the EUT.

We trust this information is sufficient to issue the grant. If you have any further questions or comments, please do not hesitate to contact me.

Sincerely,



Shawn McMillen
General Manager
Celltech Research Inc.
Testing & Engineering Lab

cc: Itronix Corporation



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July 16, 2001

Federal Communications Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

**In re: ITRONIX CORPORATION
FCC ID: KBCIX550RIM802
FCC Part 90 Certification
Request for Confidentiality**

Gentlemen:

In accordance with 0.459 of CFR 47, ITRONIX CORPORATION hereby requests confidentiality of the Block Diagrams, Circuit Diagrams, Circuit Description, Antenna Specifications, Parts List, Tune-Up Procedure, and Operational Description attachments for the subject application.

These documents contain detailed system and equipment description and related information about the product in which ITRONIX CORPORATION considers to be proprietary, confidential, and a custom design and, otherwise, would not release to the general public. Since this design is a basis from which future technological products will evolve, ITRONIX CORPORATION considers that this information would be of benefit to its competitors, and that the disclosure of the information in these documents would give competitors an unfair advantage in the market.

Sincerely,

Fred Phillips
Certification Engineer
ITRONIX CORPORATION



Gain and Antenna Factors for Dipole Antenna
Manufactured by EMC Test Systems
Model Number: DB-4 Serial Number: 1494
3.0 Meter Calibration Polarization: Horizontal

Frequency (MHz)	Antenna Factor (dB/m)	Gain Numeric	Gain dBi
400	21.0	1.35	1.3
425	21.3	1.42	1.5
450	21.6	1.48	1.7
475	21.9	1.54	1.9
500	22.2	1.58	2.0
525	22.9	1.48	1.7
550	23.6	1.38	1.4
575	24.3	1.28	1.1
600	25.0	1.19	0.7
625	25.2	1.24	0.9
650	25.4	1.29	1.1
675	25.5	1.34	1.3
700	25.7	1.39	1.4
725	26.2	1.31	1.2
750	26.8	1.24	0.9
775	27.3	1.17	0.7
800	27.9	1.10	0.4
825	27.9	1.15	0.6
850	28.0	1.20	0.8
875	28.1	1.26	1.0
900	28.1	1.31	1.2
925	28.4	1.30	1.1
950	28.7	1.28	1.1
975	29.0	1.26	1.0
1000	29.3	1.24	0.9



Gain and Antenna Factors for Double Ridged Guide Antenna

Manufactured by EMC Test Systems

Model Number: 3115 Serial Number: 6267

3.0 Meter Calibration

Polarization: Horizontal

Frequency (MHz)	Antenna Factor (dB/m)	Gain Numeric	Gain dBi
1000	26.5	2.34	3.7
1500	27.6	4.15	6.2
2000	29.5	4.70	6.7
2500	30.4	6.01	7.8
3000	31.9	6.09	7.8
3500	33.0	6.39	8.1
4000	34.3	6.28	8.0
4500	34.6	7.36	8.7
5000	35.6	7.16	8.6
5500	36.4	7.30	8.6
6000	36.6	8.23	9.2
6500	36.9	9.12	9.6
7000	37.8	8.45	9.3
7500	38.8	7.85	8.9
8000	39.0	8.46	9.3
8500	39.5	8.47	9.3
9000	40.5	7.57	8.8
9500	40.5	8.52	9.3
10000	40.3	9.77	9.9
10500	40.3	10.80	10.3
11000	40.8	10.60	10.3
11500	40.4	12.73	11.0
12000	40.5	13.32	11.2
12500	41.1	12.75	11.1
13000	41.8	11.61	10.6
13500	41.9	12.24	10.9
14000	42.0	13.01	11.1
14500	42.4	12.60	11.0
15000	42.6	13.02	11.1
15500	40.6	22.21	13.5
16000	40.3	25.18	14.0
16500	41.5	20.10	13.0
17000	43.1	14.90	11.7
17500	44.9	10.29	10.1
18000	47.4	6.23	7.9

Specification compliance testing factor (3.0 meter spacing) to be added to receiver meter reading in dBV to convert to field intensity in dBV/meter. Calibrated 14 Nov 00 (DD/MM/YYYY). Calibration per ANSI C63.5.