

September 18, 2000

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

**SUBJECT: WIDE TELECOM INC.
FCC ID: NPWWCH-100
731 Confirmation No.: EA98600
Correspondence Reference No.: 16102**

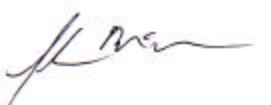
Dear Errol:

On behalf of Wide Telecom Inc. is an amendment in response to your e-mail dated September 14, 2000 requesting additional information for the subject application.

1. Please find attached the calibration certificate and gain information for the dipole antenna used for the ERP measurements. The following is a detailed description of the ERP signal substitution measurement method used: The EUT is first placed into the field test area at 3.0 meters. The field of maximum intensity is found by rotating the EUT approximately 360 degrees and changing the height of the receive antenna from 1 to 4 meters. Both horizontal and vertical polarizations are investigated. The field strength is recorded from a calibrated spectrum analyzer for each channel being performed. The EUT is then replaced with a calibrated dipole of a well-known gain. The dipole is fed through a directional coupler and the power at the coupler port is monitored. The field of maximum intensity is found for the dipole and the power adjusted in order to read the same on the spectrum analyzer that was found for the EUT. The feed point for the dipole is then connected to a calibrated power meter and the power adjusted to read the same as the coupler port previously recorded, to account for any mismatch in impedance, which may occur at the dipole antenna. The forward power for the dipole is then determined. The actual ERP level is determined by adding the forward power and the calibrated gain of the dipole.
2. Please find attached the revised AGC value table for the Tune-Up Procedure attachment listing a maximum output of 24dBm conducted power. Also attached is a letter from the applicant confirming that the maximum power level of all production units will be 24dBm conducted output.
3. The 731 Form was submitted inadvertently requesting 251mW ERP to be listed on the grant. This power level is the conducted output. The correct output power to be listed on the grant is 244mW ERP.

If you have any further questions or comments, please contact the undersigned.

Sincerely,



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

cc: Wide Telecom Inc.



Cert I.D. 6557

Lab Code 115844/1207.01

P.O. Box 80589 78708-0589
2205 Kramer Lane, Austin, TX., 78753-4002
(512) 835-4684

Certificate of Calibration Conformance

Page 1 of 3

The instrument identified below has been individually calibrated in compliance with the following standard(s):

ANSI C63.5 - 1988, American National Standard for Electromagnetic Compatibility-Radiated Emission Measurements in Electromagnetic Interference (EMI) Control-Calibration of Antennas, American National Standards Institute, Inc.

Environment: Laboratory MTE is maintained in a temperature controlled environment with ambient conditions from 18 to 28 C, relative humidity less than 90%. The instrument under test has been calibrated on an open air test site (OATS) with environment temperature conditions ranging from 0 to 40 C which has no known influences on measurement quality.

Manufacturer:	EMCO	Operating Range:	400 - 1000 MHz
Model Number:	3121C-DB4	Instrument Type:	DIPOLE Balun 4
Date Code/SN:	0003 - 1494		
Tracking Number:	J 49718		
Date Completed:	04-Apr-00		
Test Type:	3 and 10 Meter, Horizontal		
Calibration Uncertainty:	03m	400 - 1000 MHz, +/-1.0 dB;	
(95% Confidence Level)	10m	400 - 1000 MHz, +/-1.0 dB;	

Test Remarks: None

Recall/Interval: 18 Month Factory Calibration Provided

Calibration Traceability: All Measuring and Test Equipment (MTE) identified below are traceable to the National Institute for Standards and Technology (NIST). Calibration Laboratory and Quality System controls are compliant with the objectives of MIL-STD 45662A, ISO/IEC Guide 25 and ANSI/NC SL Z540-1.

Standards and Equipment Used:

Make / Model / Name / S/N / Recall Date

Anritsu	MS4623A	Network Analyzer	992201	14-Jun-00
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Condition of Instrument

On Release:

In Tolerance


Calibration Completed By

Lee D. Thompson, Cal Lab Technician


Attested and Issued on 04-Apr-00

Rick Flores, Calibration Lab Manager



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



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Confirmation No.: EA98600
Correspondence Ref. No.: 16102

Dear Errol:

Please find attached our revised AGC power level table for the tune-up procedure attachment. We hereby confirm that the maximum power level in all production units of our single-mode CDMA cellular handset (FCC ID: NPWWCH-100) shall not exceed 24dBm conducted output.

If you have any further questions, please do not hesitate to contact me.

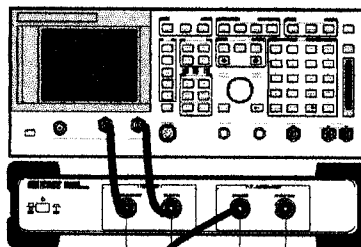
Sincerely,

Matt Park
Wide Telecom Inc.

AGC_VALUE & TX_POWER LEVEL

A. Test Configurtn

Mobile TestSet



RF Cable

DC Power Supply



Test Handset

- Equipment : HP8924C (CDMA MOBILE STATION TEST SET)
- RF Cable : SMK TO SMA Cable
- RF Cable Loss : 1dB

B. AGC_VALUE & TX_POWER LEVEL

AGC Value	TX_Power	AGC Value	TX_Power
0	-59.5	300	6.08
50	-56.3	350	14.6
100	-44.6	390	18.5
150	-30.7	400	22.9
200	-17.4	410	23.8
250	-4.9	415	24.0