



April 19, 2001

Federal Communications Commission  
Equipment Approval Services  
7435 Oakland Mills Road  
Columbia, MD 21046

**SUBJECT: COMPAL ELECTRONICS INC.  
FCC ID: GKRVC-5  
731 Confirmation No.: EA100606**

To Whom It May Concern:

On behalf of Compal Electronics Inc. is an amendment to the mid-channel ERP test data in both AMPS and CDMA modes for the subject application. The previous mid-channel data was inadvertently submitted with a clerical error in the dipole forward conducted power levels, and consequently the ERP levels. We respectfully request that the previously submitted ERP test data pages be replaced with the attached revised ERP test data pages to reflect the correct test results.

If you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Shawn McMillen", written over a vertical line.

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

cc: Compal Electronics Inc.

**3.5 EFFECTIVE RADIATED POWER OUTPUT - §2.1046**

**AMPS MODE**

Frequency Tuned	EUT Conducted Power	Max. Field Strength of EUT (dBm)		Dipole Gain	Dipole Forward Conducted Power	ERP of EUT Dipole Gain + Dipole Forward Conducted Power	
		V	H			(dBm)	(Watts)
(MHz)	(dBm)			(dBd)	(dBm)	(dBm)	
824.04	26.0	- 12.01	- 12.22	- 1.44	25.51	24.07	0.255
836.49	26.0	- 12.39	- 12.60	- 1.34	24.46	23.12	0.205
848.97	25.5	- 13.00	- 13.21	- 1.24	26.04	24.80	0.302

Notes:

1. ERP Measurements by Substitution Method:

The EUT was placed on a turntable 3-meters from the receive antenna. The field of maximum intensity was found by rotating the EUT approximately 360 degrees and changing the height of the receive antenna from 1 to 4 meters. The field strength was recorded from a calibrated spectrum analyzer for each channel being tested. A half-wave dipole was substituted in place of the EUT. The dipole was fed through a directional coupler and the power at the coupler port was monitored. A signal generator and power amplifier controlled the dipole, and the input level of the dipole was adjusted to the same field strength level as the EUT. The feed point for the dipole was then connected to a calibrated power meter and the power adjusted to read the same as the coupler port previously recorded, this is to account for any mismatch in impedance, which may occur at the dipole antenna. The conducted power at the antenna feed point was recorded. The forward power for the dipole was then determined and the ERP level was determined by adding the forward dipole power and the dipole gain in dB. For readings above 1GHz the above method is repeated using standard gain horn antennas.

2. ERP measurements were performed using the standard battery, which is the only battery option for this phone.

**CDMA MODE**

Frequency Tuned	EUT Conducted Power	Max. Field Strength of EUT (dBm)		Dipole Gain	Dipole Forward Conducted Power	ERP of EUT Dipole Gain + Dipole Forward Conducted Power	
		V	H			(dBm)	(Watts)
(MHz)	(dBm)	V	H	(dBd)	(dBm)	(dBm)	(Watts)
824.70	24.0	- 14.01	-14.22	-1.44	23.51	22.07	0.161
835.89	24.0	- 14.29	-14.50	- 1.34	22.56	21.22	0.132
848.31	24.0	- 14.50	-14.71	- 1.24	24.54	23.30	0.214

Notes:

1. ERP Measurements by Substitution Method:

The EUT was placed on a turntable 3-meters from the receive antenna. The field of maximum intensity was found by rotating the EUT approximately 360 degrees and changing the height of the receive antenna from 1 to 4 meters. The spectrum analyzer was set to measure channel power for CDMA mode. The field strength was recorded from a calibrated spectrum analyzer for each channel being tested. A half-wave dipole was substituted in place of the EUT. The dipole was fed through a directional coupler and the power at the coupler port was monitored. A signal generator and power amplifier controlled the dipole, and the input level of the dipole was adjusted to the same field strength level as the EUT. The feed point for the dipole was then connected to a calibrated power meter and the power adjusted to read the same as the coupler port previously recorded, this is to account for any mismatch in impedance, which may occur at the dipole antenna. The conducted power at the antenna feed point was recorded. The forward power for the dipole was then determined and the ERP level was determined by adding the forward dipole power and the dipole gain in dB. For readings above 1GHz the above method is repeated using standard gain horn antennas.

2. ERP measurements were performed using the standard battery, which is the only battery option for this phone.