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March 4, 2002

Federal Communications Commission

Attention: Martin Perrine

Applicant: Nokia Inc.

FCC ID: GMLNPW-2NX EA143962

Correspondence No.: 22148

1) Please note that ALL test performed on ALL devices in our lab are performed by currently calibrated instrumentation which is programmed to select the worst case.

Radiated Power 800 TDMA – Substitution Method with Signal Generator

Tuned, MHz	Emission, MHz	@M	ERP, dbm	ERP, Watts
824.04	824.04	3	26.4	0.439
836.40	836.40	3	27.5	0.565
848.97	848.97	3	27.1	0.516

2) Please reference paragraph 2.2.17 TIA/EIA 603A

average radiated power = $10 \log_{10} \Sigma 10(\text{LVL} - \text{Loss})/10 \text{ dbm}$

As shown on page 10, paragraph (e)

At 0°, Average = $10 \log_{10} 10(26.9 + 1.4)/10 \text{ dbm}$

= 28.3 dbm

[also $(26.9 + 1.4) = 28.3 \text{ dbm}$]

[also $\Sigma = 212/8 = 26.5 + 1.4 = 27.9 \text{ dbm}$ Average for 8 readings]

3) As noted above in reply 1), software makes selection of worst case. The software stores the measured data for both TDMA and AMPS modes of operation, compares the results, and outputs high and low power plots. As such, plots supplied re: 22.917(f) indicate worst case values across the band as a combination of both modes of operation (one each for low and high power). This removes the redundancy of creating 4 plots for this information. Definition of "ANY" is, in this case, ALL.

We trust this is acceptable.

Sincerely yours,

Morton Flom, P. Eng.