MOTOROLA

13thSeptember 2005

TIMCO ENGINEERING INC
849 NW State Road 45
Newberry, Florida 32669

REFERENCE: JOB 1550UC5 with FCC ID: AZ489FT5824.

Dear Mr. Clavier;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida, herein submits its responses to the 8th September 2005 requests for information for Job 1550UC5.

Q1. Section 10 – Table 1: the field strength values were changed per new method of measurement, but it appears that the PMF values were not updated. For example, the PMF for 813.5MHz should be 1.86, which would yield a corrected E field of 52.75V/m, which is even better than the previous value of 54.81V/m. Please revise reported test data in section 9.0 and 10.0.

A1. Thank you for pointing out this oversight. The tables in Sections 9 and 10 have been corrected in the attached updated report per your inputs.

Q2. Section 6.1: The C63.19 target for 813.5MHz should be 224.6V/m and not 224.8 which I think is a typo. Please revise.

A2. Thank you for pointing out this error. This was a typographical error, and it has been corrected in the attached report.

Q3   It could not be identified the location of the final probe rotation for the worst-case configuration. Please provide such information.

A3. Probe rotations were taken at the highest measured location for every configuration. These have been marked on the contour plots in the attached report.

Q4   Section 4.2.2.1.2 requires that full validation with the three type of signal listed be performed. It could not be found any information concerning the validation with the AM 80% and WD modulated signals. Please comments.

A4. Additional verification information has been added for 80% AM test signals. Unfortunately no calibrated test set or signal generator emulating the iDEN protocol is commercially available that has the capability to accurately reproduce the quad 16-QAM signal. Alternatively the results for iDEN modulation were obtained using the device under test as a signal source to drive the antenna via an antenna adapter and an attenuator that assures a

good match. That data is provided in Section 10 where it is compared to CW modulation during the measurement of the probe modulation response, per the alternate procedure given in C63.19-2005 Annex C.3.1.

Q5   Please provide more details on the automated scanning method used.   It appears that the FCC would like to see a summary of the measurement system and computational procedures.

A5.   Appendix D has been added to the attached report which provides additional details concerning the measurement system, as well as the computations carried out by the measurement system. Additional concerning the computation of scaled field strength data are also given in Section 9.

Contact me at (954) 723-5793 if you require any additional information.

Sincerely,
/s/ Mike Ramnath (signed)
Manager, Regulatory Compliance
Email: Mike.Ramnath@motorola.com