

MOTOROLA, INC.

July 8, 1998

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046

Re: Request for Additional Technical Information, received by E-Mail on July 1, 1998, regarding pending Application for Type Acceptance, FCC ID: IHDT6ND1, [Correspondance ID: 1670].

Dear Mr. Coperich:

In response to item 1 of the above request, to supplement the test report with a direct reference to the emission limits under Section 25.200(b) of the (proposed) Commission's R&R, the equipment was tested for compliance to those limits and this is specified in the Measurement Procedures (Exhibit 12, reference Exhibit 12-2 for conducted and Exhibit 12-3 for radiated) as well as in the text below the graphs of the Exhibit 9C series. This information has been added to the REVISED Exhibit 9D graph being submitted per below. While there is not a specific reference that these are the 25.200(b) proposed limits, they are the limits. If it is necessary to include specific reference to 25.200(b) in these Exhibits, please advise and this will be done.

In response to item 2 of the above request, an indication of the highest frequency measured for radiated spurious emissions, the highest measurement frequency was indeed 16.3 GHz, which includes at least the 10th Harmonic of the highest fundamental frequency (based on the upper Carrier Frequency of 1626 MHz). This refers to Exhibit 9D. The oversight of indicating Frequency along the x-axis only to 10000 MHz (10 GHz) is noted, however, in the text below the graph, the following statement is made "Spectrum search performed from 30 MHz to 16.3 GHz (10X Carrier Frequency)." Additional units have been produced and tested since the testing of the prototype that was used to produce the data in these test reports. Several Radiated Emissions, harmonics of the carrier, have become "reportable" emissions over design iterations, variations in production and component characteristics. Please accept the enclosed REVISED Exhibit 9D which shows an "inclusive" x-axis Frequency range (to 100000 MHz) and the additional "reportable" emissions.

In response to item 3 of the above request, which requests "measurement report for SAR levels responding to Section 2.1093 of the Commission's R&R", this testing has been done and the transceiver is compliant but we have not yet been successful in attempts to format this report to be electronically submitted. Please advise if it will still be acceptable to submit this report as "hard copy" and to whom that should be addressed.

I trust that, pending submittal of the "SAR report," this will satisfy the request and allow the Grant to be issued for this equipment.

Please contact me by telephone at (847) 523-7373 or by facsimile at (847) 523-2350 if there are any further questions or additional information needed concerning this filing and/or this reply.

Regards,

John A. Kalenowsky
Patent Engineer/FCC Liaison
Cellular Subscriber Sector

cc: File