



30<sup>th</sup> October 2001

Mr. Stan Lyles  
Authorization & Evaluation Division  
Federal Communications Commission Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046

Re: Form 731 Confirmation Number: EA102183 with FCC ID: AZ489FT5816.

Dear Mr. Lyles;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to the 22<sup>nd</sup> October 2001 request for information in Correspondence Number 21004731.

Q1). Confidentiality for Internal Photographs is not normally granted because the unit is available for examination after it is sold. Please modify your Confidentiality request accordingly.

R1). Attached is a corrected Confidentiality Request (Exhibit 13a) deleting Exhibit 9, Internal Photos.

Q2). Please clarify - Exhibit 12 states that the power output is variable over the range 1 - 3 W. However, Page 41 of the User Manual describes a high / low power output selection.

R2). The radio is continuously variable in power, however from the user perspective, as outlined in the user guide, the user has the capability of choosing a discrete high (3 Watt maximum) and low power setting (1 Watt minimum) which appears on the radio display. The high power or low power setting can be any power level between 1 and 3 Watts. The power settings, as requested by the customer, will be pre-set at the factory or the dealer prior to shipment to the customer. Please note that this radio cannot be programmed by the customer.

Q3). The Modulation Limiting plots you have submitted, Exhibit 6D-1 and 6D-2, are not acceptable. Please send plots showing the transmitter deviation as a function of input level for several different modulating tones - per Section 2.1047(b).

R3). See the attached addendum to Exhibit 6, which contains the Modulation Limiting Plot that was requested.

Q4.) Please supply frequency stability data for battery end-point voltage per Section 2.1055(d)(2). Your data in Exhibit 6I-1 does not cover this range.

R4). See the attached addendum to Exhibit 6, which contains the Frequency Stability Chart that was requested.

Q5.) Please clarify Exhibit 11 pages 9 of 24, 10 of 24, and 11 of 24 shows TX frequency 815.0 MHz. Page 17 of 23 run number 010808-10, 010814-12, and 010814-11 show frequency of 806.0 MHz. These do not agree with Section 7 SAR Test Results Chart, Report B6.

R5.) The frequencies listed on page 17 of 23 run number 010808-10, 010814-12, and 010814-11 were due to a typographical error. The correct frequency is 815 MHz as reported on page 9 of 24, 10 of 24, and 11 of 24.

Q6.) Please resubmit SAR Dipole Test Plots with the date on each plot when test was performed. Report B5.

R6.) See attached PDF document with the revised report

Q7.) Page 18 of 24, Report B5 shows audio accessories NMN6193C RSM does not agree with chart on page 19 of 23, Report B6 NAF5042A/010818-05 shows audio accessories @ 2.5 cm. Please clarify. Also the powerdrift (-2.62 dB) on page 18 of 24, SAR Report B5 is not acceptable. Please resubmit test data.

R7.) Page 19 of 23 from Report B6 contains a typographical error. The "@2.5cm" should be under the column "Carry Acc" only. The audio accessory NMN6193C should be listed in the column next to "@ 2.5cm" under the column "Audio Acc". See the attached PDF document for the retested data.

Q8.) This Grant of Certification will be made under the occupational / controlled exposure limits. However, the filing did not address the issue of how the user would be made aware of these controlled limits. Information in the Users Manual and a warning label on the unit is normally required.

Please indicate how the required information will be provided to the users of this unit.

R8.) We have modified the "User Safety, Training, and General Information" section of the Users Manual to address how the User would be made aware of the Uncontrolled Limits. See the attached for the User Safety, Training, and General Information of the Users Manual.

Q9.) FYI: In the future please submit plots legible, Exhibit 6G-1, 6G-2, 6G-3 and 6G-4. Conducted Spurious Emissions.

R9.) Motorola will insure that all plots are legible in subsequent filings.

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

Regards,  
**/s/ Mike Ramnath**  
FCC Liaison  
Email: [mike.ramnath@motorola.com](mailto:mike.ramnath@motorola.com)