



22nd October 2001

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

Re: Form 731 Confirmation Number: EA102210 with FCC ID: AZ489FT5804.

Dear Mr. Coperich;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to the 16th October 2001 request for information in Correspondence Number 20934.

In addition to the responses below, Motorola is attaching an addendum to the Users Manual's "User Safety, Training, and General Information" section anticipating a question as to how Occupational/Controlled Exposure information will be provided to users. This information was presented and accepted by the FCC for the application FCC ID: AZ489FT5806, EA102220.

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, 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 Plots (Exhibit 6D-1/2/3/4 Rev. 1) that were requested.

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

R4). See the attached addendum to Exhibit 6, which contains the Frequency Stability Plot (Exhibit 6K-1 Rev.1) that was requested.

Q5). Multiple (2) batteries are indicated in Exhibit 12, (Note Users Manual Page 94 shows 4 batteries) but only one was tested during the SAR measurements. Please supply additional data for the remainder of the batteries.

R5.) Exhibit 12 correctly indicates that two different chemistry batteries are available, Ni-Cad and Ni-MH. The Users Manual correctly identifies four available batteries by kit number and description. The SAR Report also identifies the same four batteries in section 3.0(page 6 of 23) where it is also noted as follows that two of the four batteries are identical except for labels:

NTN9816A	1525 mAh NiCad high capacity FM Intrinsically Safe
NTN9815A	1525 mAh NiCad high capacity (identical to NTN9816A except for label)
NTN9857A	1800 mAh NMH ultra high capacity FM Intrinsically Safe
NTN9858A	1800 mAh NMH ultra high capacity (identical to NTN9857A except for label)

To further clarify, batteries NTN9816 and NTN9857 have a green and white battery label which is a reference designator for Factory Mutual Intrinsic Safety certification. These two batteries are in all other respects identical to NTN9815A and NTN9858A respectively.

As described in section 5.0 (page 9 of 23) of the SAR Report two of the four batteries (NTN9816A and NTN9857A) were fully tested. Section 5.0 further states "the NTN9815A and NTN9858A batteries were not tested since they are identical to the tested batteries except for label."

Section 7.0 of the SAR Report contains the test results for the NTN9816A and NTN9857A batteries; the applicable battery is indicated for each line item.

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

Regards,
/s/ Mike Ramnath
FCC Liaison
Email: mike.ramnath@motorola.com