



30th October 2001

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

Re: Form 731 Confirmation Number: EA102137 with FCC ID: AZ489FT5817.

Dear Mr. Lyles;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to the 17th October 2001 request for information in Correspondence Number 20938.

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 29 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 6H-2 does not cover this range.

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

5) Multiple (4) batteries are indicated in Exhibit 12, but only one was tested during the SAR measurements. Please supply additional data for the remainder of the batteries.

R5) See the amended Exhibit 12, which now reflects the one battery chemistry tested as Ni-Cd.

Q6) Please clarify Exhibit 11 page 9 of 9, of SAR Report 3 of 3 shows carry case kit number NTN8381B distance at base of antenna to the bottom of phantom surface is 47 mm. Pages 4 of 22 and 6 of 22, of SAR Report 2 of 3 shows carry case kit number NTN8381B distance at base of antenna is 65 mm and 73 mm.

R6.) To clarify the information provided on page 9 of 9 of SAR Report 3 of 3 submitted within Exhibit 11, the 47mm distance was a typographical error. The correct dimension is 65mm. This reflects the closest measured separation distance at "A (Base)" observed with carry case kit NTN8381B and the reported antennas. Refer to the following revised table:

Antenna separation distance with NTN8381B carry case	
Antenna model	A (Base) dimension
NAF5042A	65mm
NAF5080A	73mm
NAF5037A	67mm

The delta observed on page 4 of 22 and 6 of 22 of SAR Report 2 of 3 can be attributed to differences in the "A (base)" distance of each antenna used for the respective scans.

Please note that Page 8 of 22 of SAR report 2 of 3 also reflect the error indicated above. The correct dimensions should be A (base) 67mm, B (center) 95mm, C (tip) 117mm.

Q7) FYI: In the future please submit dipole serial number on plots.

R7) SAR Reports for subsequent applications will contain Serial Numbers of the dipole on the plots.

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

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