



Date: February 20, 2001.

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

Re: Correspondence Number 17967 regarding 731 Confirmation Number EA99558.

Gentlemen;

This correspondence is provided in response to the request for information dated February 02, 2001 concerning transmitter with FCC ID: AZ489FT5805.

Q1. Please provide ERP measurements.

A1. See attached ERP measurement data.

Q2. Please provide photos for the two holsters described in the SAR report. SAR was tested with the front of the device facing the user's body, placed in one of the holsters (FLN9623A). Please indicate on the photos or with separate illustrations that the device, by design, can only be inserted into these two holsters with its front facing the user. Otherwise, test in the other configurations would be needed.

A2. Two photos are submitted at this time and both photos indicate that the HDT will only fit in the holster with the keypad facing the user. Note: The HDT515 and 502 both have identical housings.



Photo 1 illustrates a side view of the HDT515 with Holster FLN9623A.

Photo 2 illustrates a side view of the HDT515 Holster FLN9202A.

Q3. The SAR report describes holster FLN9202A has an additional strap with three metallic buttons on it but the other holster (FLN9623A) has been used for the SAR tests. Please verify that the metallic buttons on the holster that has not been tested do not affect the SAR results measured using FLN9623A and the two holsters are otherwise the same. If not, additional SAR tests may be needed.

A3. Holsters FLN9202A and FLN9623A were both tested as indicated in the SAR report, revision A Dec. 12, 2000 (refer to section 5.0). However, only the holster that caused the highest measured SAR was reported. Data for both holsters is listed below.

<u>Holster</u>	<u>Power</u>	<u>SAR measured</u>	<u>SAR maximum calculated</u>
FLN9623A	0.592W	0.0047 mW/g	0.02 mW/g
FLN9202A	0.592W	0.0035 mW/g	0.02 mW/g

Q4. End of Section 5.0 of the SAR report indicates this device was tested for SAR at 16.67% duty factor and other info in the filing indicates this data terminal operates at 67.5% duty factor. Please confirm the duty factors and operating modes that are applicable for this device.

A4. Section 5.0 of the SAR report states "All SAR measurements performed with the device positioned in the test positions and test modes were performed while the device was operating in 16.67% TDMA duty cycle" (which is our internal standard used for testing). As standard practice Motorola reports the maximum calculated SAR by duty cycle scaling the measurements using the

minimum transmitter duty cycle. This device is capable of a Maximum Transmission Duty Cycle of 67.5%.

The maximum calculated SAR limit reported in Section 7.2 of the SAR Report was based on the Maximum Transmission Duty Cycle of 67.5%.

Q5. FYI - The SAR report has indicated this device has been tested with respect to occupational exposure limit. Please be aware that if the device complies with general population exposure limit, there is no need to use a more relaxed limit that could require additional operating restrictions.

A5. At this time Motorola would like to exercise the opportunity to revise the exposure limit for this device to "General Population at 1.6 mW/g". A revised SAR report to reflect this change is submitted at this time.

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

Regards,
Mike Ramnath
FCC Liaison
Email: emr003@email.mot.com