



Date: 23rd December 2004

Gregory Czumak
Quality Manager
PCTEST Engineering Laboratories, Inc.
6660-B Dobbin Road
Columbia, MD 21045

Re: Form 731 Confirmation Number: TC4385 and 4401 with FCC ID: AZ489F5841.

Dear Mr. Czumak;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to your 14th December 2004 request for information via correspondence reference number 241214A.AZ4

Part 15C Application:

Q1: Please confirm that the statement from Section 15.21 will be included in the user's manual, as required, prior to shipment of the EUT.

R1: Statements to that effect are distributed throughout the User Manual. For example, in the Safety Section (page 115) there are two items instructing the user that only Motorola-approved antennas and accessories should be used with the radio. Additional text on page 122 further addresses unauthorized modifications to either the radio hardware or software.

This User Manual language is identical to that found in the two prior similar Part 15 radio products approved by the FCC (FCC ID: AZ489FT5830 and AZ489FT5832), and also to the Part 15 radio FCC ID: AZ489FT5831. Motorola believes that this is sufficient to comply with the requirement of 47 CFR 15.21.

Q2: The output power measurement for 15.247 operation was performed using a pulse average power detector. Section 15.247(b) requires that the maximum peak power be measured. Please re-measure the output power for 15C operation with a peak responding power meter and submit new data.

R2: Peak power was measured in the ISM band at 833 mW.

Q3. Please provide both peak and average field strength data demonstrating compliance with the limits of Section 15.209 for any radiated emissions that fall within a restricted band (15.205), pursuant to Section 15.247(d).

R3: See the amended data the attached Exhibit 6B.

Q4: What is the channel separation in a single hopset, for 15C operation?

R4: The channel separation is 500 KHz as stipulated in 6.11.

Q5. Please address the following questions from 15.247(a)(1): (a) is the hopping channel sequence pseudorandom? (b) Does the RX hop in sync with the transmitted signal?

R5 a and b: Once a transmission is detected by the receiver, the transmitter and receiver hop in sequence.

(c) Does the RX have an input bandwidth (either RF or IF) that is approximately equal to the bandwidth of the transmitted signal?

R5 c: The receiver has an input band that is approximately equal to the transmitter signal.

Q6: Please address Section 15.247(h).

R6: Each radio has a pseudorandom hopping sequence minimizing the probability of simultaneous occupancy with diverse users. Beyond that there are user-selectable codes and channels which allow the user move a transmission in the event of a conflict.

Part 90 Application:

Q7: The max SAR at the body, listed on p.27/27 in the SAR report, appears to be a typo- should it be 1.33 W/kg, as seen on the SAR plot data page (p.25/27)? If this is the case, then the user's manual value must also be corrected (p.115). Please address.

R7: The shortened scan results which utilized a 5x5x7 cube scan grid exhibited a 1.38mW/g 1-g average performance and thus reflect the highest results observed at the body for this filing. The Shortened scan tabulated results can be found on page 27 of 27 and the plotted results can be found in Part 2 of 2 Appendix A on page 4 of 49 of the submitted report.

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

Sincerely,
/s/ Mike Ramnath (signed)
Manager, Regulatory Compliance
Email: Mike.Ramnath@motorola.com