

FCC ID SC9AEVK1
General Atomics
EA744095

Dear Mr. Dichoso,

With regards to the questions concerning the filing for General Atomics here are the answers to your questions.

Correspondence reference number 28100

Q1) Spectral keying is similar to frequency hopping and frequency stepping. Measurement with the signal constant on the frequency is required. A time averaging cannot be introduced. Provide data on a low, middle and high channel.

A1) As per the MBOA waiver we can operate the device in its original mode of usage. All of the relevant data is presented and passed.

Q2) Although you indicated that the device is NOT a computer peripheral, the device is a computer peripheral as indicated in the manual. Indicate whether Certification or DOC approval will be obtained. If certified, then file a composite filing. If DOC approved, provide the DOC label.

A2) The device will be certified as a transmitter. There are no computer interfaces on the radio for it to be used as a peripheral. All references to this in the user's manual have been removed.

Q3) Provide a technical description of compliance with Section 15.517(a)5. Informing the applicant of the requirement is insufficient.

A3) The technical description of compliance with Section 15.517(a)5 is now described in detail in the User's Manual on page 11.

Q4) Provide clearer photo of the label for Section 15.517(f). The one submitted was unclear.

A4) The revised test report has clearer photos for review.

Q5) With regard to Section 4.5 of the report, indicate the frequencies and field strength of all emissions found. You had indicated that these emissions were attributed to oscillators/frequencies in the digital circuitry. Please provide information on this digital circuitry. Is it used to enable the transmitter? If not, what is it used

for? Does this digital circuitry perform some other function or have some other capability? If so, what is it?

A5) The shielding on the radio was improved so that all radiated emissions from digital circuitry (intentional and unintentional) fall below the more stringent UWB limit line. Therefore, there is no need to rely on the higher 15.209 limits for comparison or description of the sources. The revised test report has the results.

Q6) After the above is submitted, a sample may be requested.

A6) OK, please give us one week to prepare a sample.

Correspondence reference number 28800

Q1) Please provide the 10 dB BW (F_L and F_H) of each of the 5 pulses.

A1) Additional data included in the modified test report dated April 22, 2005

Q2) The new label photo did not include the wording required by Section 15.517(f). Please submit it.

A2) This statement required from 15.5217(f) is included on Page 2 of the User's Manual under the "US Operations" of the Regulatory Notice section. According to FCC rules the manufacturer may include the statement; "This equipment may only be operated indoors. Operation outdoors is in violation of 47 U.S.C. 301 and could subject the operator to serious legal penalties." in a conspicuous location on the device or in the instruction manual supplied with the device. The manufacturer has included it in the Users Manual.

Q3) It appears that the device was modified. Please clarify and if appropriate provide all appropriate photos.

A3) The radio has improved out of band emissions by the addition production level flexshield material and the addition of a new rear panel with unused connectors removed. New internal photos have been sent.

Best Regards

Pat Carson