October 16, 2009
RE: ATCB008260 – Original Equipment & Single Certification Applications (model CB2-BLUE11M)
FCC ID: CB2-BLUE11M & IC: 279B-BLUE11M for Johnson Controls Interiors LLC

The following is in response to the comments made on the above referenced application.

1. Mr. Christopher Plank is listed as the contact person for Johnson Controls Interiors LLC (Johnson) on the FCC Grantee Code Database (See attachment entitled "_FCC Grantee Search Result.pdf"). As such, he is the authorized person to sign the FCC agent letter for Johnson. Unfortunately Mr. Daniel Ateru has signed this letter. Please provide either a letter from Mr. Christopher Plank giving Mr. Daniel Ateru the authority to sign this letter for Johnson on this application or have the FCC Database changed to list Mr. Ateru as the contact person for Johnson. For help changing the contact person for Johnson, you may contact Ms. Marianne Bosley by email at Marianne@atcb.com.

The FCC database has been updated to reflect the current contact.

2. The address shown on the IC application form for company number 279B does not agree with the address in the IC database. (See attachment entitled __IC Company Name Search.pdf"). Please either amend the IC application form or have the IC database corrected to show the address on the IC application form. IC has stated that the information put on a TAC by the Foreign Certification Body (American TCB) has no meaning since IC only uses the information in the REL in Canada. Because of this statement, American TCB will only issue the TAC to the address listed in the IC database.

The application forms have been updated to reflect the address in the database.

3. Please provide a justification for holding the internal photos of this device confidential. The FCC does not allow internal photos to be held confidential without sufficient justification.

This was a typographical error in our request for confidentiality exhibit, and has been corrected.

4. The submitted test procedure does not list the FCC-accepted test procedure used for measuring the characteristics of a frequency hopping spread spectrum (FHSS) transmitter. ANSI C63.4-2003 contains no procedures for measuring the dwell time of a FHSS transmitter. Please provide the FCC-accepted test procedure used for testing the FHSS characteristics of this transmitter.

The Test Report has been updated to state the additional procedure employed (DA 00-705).

5. Please provide a separate exhibit for the FCC describing how this transmitter complies with the FCC RF exposure requirements. The FCC wants this exhibit to be separate from the test report. Currently Section 6.1.6 of the submitted test report contains this information. Please provide a separate exhibit for describing how the device meets the FCC RF exposure limits.

The exhibit has been updated to describe not only the results but also how compliance in ensured.

6. The last two photos in the internal photo exhibit show an antenna connector which does not appear in the other 5 photos of the printed circuit board for this device. Please explain this discrepancy.

Section 3.1 of the test report clearly states that a modified sample was provided to allow measurement of conducted RF output. These are photographs of that sample.

7. Please correct the following items on your IC application form:

(a) Change the equipment type to Vehicle Device and Spread Spectrum Device (2400 -2483.5 MHz),

(b) Add the minimum RF conducted output power measured as 0.0014 Watts (The maximum value is fine), and

(c) Change the emission designator to 1M29FXD. (IC has decided that FXD is used for all FHSS transmitters).

The application forms have been updated as requested.

8. For Your Information - The FCC-accepted test procedure for measuring emissions from a FHSS transmitter requires RF antenna conducted emission measurements on a low, middle and high channel. The submitted test report appears to combine these three results onto one plot. I agree that there are no emissions that appear to be close to the limit in this case but three separate plots are preferred by the FCC. In the future, I will not accept one plot for all three channels on the next FHSS transmitter application for equipment authorization from the University of Michigan test lab.

We feel that a single set of plots employing a max-hold procedure between the three channels demonstrates the same if not a greater level of compliance, and saves 2 pages of unnecessary information. The FCC has agreed, as shown in the attached KDB inquiry.

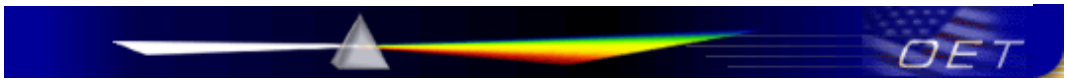
9. For Your Information 2 - Section 6.1.5 of the submitted test report refers me to the output power measurement results in Table 5.1(b) of this test report but these test results are actually in Table 6.1(b). Please be careful when referencing other parts of the test report. Initially I thought the output power measurements were missing from the test report until I discovered them in Table 6.1(b).

This is a typographical error and has been corrected.

Joseph Brunett <jdbrunett@gmail.com>

Response to Inquiry to FCC (Tracking Number 125997)

oetech@fccsun27w.fcc.gov <oetech@fccsun27w.fcc.gov> **Mon, Oct 19, 2009 at 2:24 PM**
To: kdb@emcadviser.com



Office of Engineering and Technology

Inquiry:
When measuring "Spurious RF Conducted Emissions" as prescribed in Public Notice DA 00-705, plots are requested to show spurious emission compliance on the low, middle, and high channels.

Is it acceptable to report these measurements in max-held plots with all three channel's emissions on the same plot? This significantly reduces the number of plots that must be included in the test report while exhibiting the same, if not a greater, level of compliance.

Response:
This is permitted if you use the correct RBW and are showing the peaks of the spurious emissions. This cannot be used to show the average values.

Do not reply to this message. Please select the Reply to an Inquiry Response link from the OET Inquiry System to add any additional information pertaining to this inquiry.