

Non-Conformities FCC ID: T3YZ90 (CKC CS Ref # E10-000004-FCC-01)

The items listed below represent requests for information following review of this application for certification under United States (FCC) regulations. Further question may arise pending review of responses to these items.

OK	ID	#	Non-Conformity or Comment	Submitted Response	Respondent / Date of Response
√	C	1	Please remove the FCC logo for Declaration of Conformity from your FCC ID label for you are Certifying the transmitter and Verifying the Digital/Receiver portion. Also, this label appears to be a “stick-on” type of label. Please describe how this label is to be applied since “stick-on” labels are not approved. Ref: 15.19(b)(4) OK – C Kendall 1/27/10	The "sticker" is a plastic label, silkscreen printed and coated with a laminate to make it permanent. It is applied to the device using a 3M permanent plastic adhesive. The same label with the same adhesive was approved for use with the Z50 device in 2005. The revised "FCC-free" The label is provided.	Nick Foster 1/27/10
√	C	2	Please submit two Letters of Confidentiality: 1) for Permanent Confidentiality for the Schematics, Block Diagram, & Operational Description and 2) for Temporary Confidentiality (180 days after release) for the interior photos. Note: special permission by the FCC has to be obtained for making the Interior Photos permanently Confidential. Typical reason for holding Interior Photos Confidential is: it is a security device used by law enforcement and the interior will be potted. OK – C Kendall 1/27/10	The attached revised confidentiality letter no longer requests confidentiality for internal photographs. However, I have requested confidentiality for the Operational Description and Block Diagram. Hopefully that's OK.	Nick Foster 1/27/10
√	C	3	Please provide an Operational Description for your product describing briefly how the circuits function, how they operate, how it is modulated to include a description of the ground system and antenna. Ref: FCC 2.1033(b)(4). OK – C Kendall 1/27/10	Operational Description Provided.	Nick Foster 1/27/10
√	C	4	Please provide a Block Diagram for your product showing the frequency of all oscillators in the device. The tuning range(s) and	Block Diagram Provided.	Nick Foster

			intermediate frequencies shall be indicated at each block. Remember the Schematic is not a substitute for the Block Diagram. Ref: FCC Part 2.1033(b)(5). OK – C Kendall 1/27/10		1/27/10
√	C	5	Schematic should include all portions of the RF sections of the transmitter. Where is the oscillator circuitry shown on the schematic? Ref: 2.1033(b)(5). OK – C Kendall 1/27/10	The oscillator for the transceiver is internal to the CC2430 chip and is derived from the 32MHz oscillator labeled X1 in the schematic.	Nick Foster 1/27/10
√	C	6	One needs to change the signer of the cover letters to James Collias who is the contact for Zylight, LLC, change the contact information for the Grantee, or get James Collias to provide a letter authorizing Nicolas Foster to act on his behalf. OK – C Kendall 1/27/10	Authorization Letter providing permission for Nick Foster to sign letters on James Collias's behalf provided.	Nick Foster 1/27/10
√	C	7	Please add to your User's Manual a statement regarding the RF exposure. OK – C Kendall 1/27/10	Please disregard the request for users manual statement for RF exposure. Since the power output is below the requirement for RF exposure evaluation, this statement is unnecessary. We'll close the issue on our end. Per discussion with Randy Clark of CKC, language regarding RF exposure will not be added to the manual.	Randal Clark 1/21/10 Nick Foster 1/27/10
√	C	8	Please provide a diagram or photo showing FCC ID label placement. Label provided does not show location of FCC ID label placement. C Kendall - 1/27/10 It's OK now – C Kendall 1/27/10	Provided photograph showing FCC ID label placement on the device. Un-cropped Photo Provided. The previous one I sent was not the correct photo.	Nick Foster 1/27/10 Nick Foster 1/27/10
√	C	9	In accordance with 15.105(b) Information to the User: A Class B device should have the following statement incorporated in the User's Manual. For a Class B digital device or peripheral, the instructions	Provided revised User's Manual including Class B statement.	Nick Foster 1/27/10

			furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: -- Reorient or relocate the receiving antenna. -- Increase the separation between the equipment and receiver. -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. -- Consult the dealer or an experienced radio/TV technician for help. According to the test report, this is a Class B device; therefore it should have this statement placed into the User's Manual and not the Class A statement that is in there now. Please make this change to the User's Manual. OK – C Kendall 1/27/10		
√	C/TL	10	Although 15.247 devices are excluded from RF Exposure Evaluation, it is a requirement to provide a statement indicating the exemption. OK – C Kendall 1/27/10	Per discussion with Randy Clark RF exposure statement is not needed.	Nick Foster 1/27/10
√	TL	11	On the first page of report FC09-006 the date listed as the date the report was written is listed as 1/20/09 the dates of test are shown as December 8th – 17th 2009. The actual dates tested are in 2008 not 2009. Please update the report. OK – C Kendall 1/27/10	FC09-006A test report uploaded 20 January 2010	
√	C	12	FCC ID Label is in GIF format. Please provide label in PDF or JPG format. OK – C Kendall 1/27/10	Converted to PDF.	Jessina Hunter 1/27/10

The items indicated above must be submitted before processing can continue on the referenced application. Failure to provide the requested information within 60 days may result in application dismissal pursuant to Section 2.917(c) and forfeiture of the filing fee pursuant to Section 1.1106.

How to read the table:

OK column indicates closure by CKC CS.

ID column is for use with Agents to assist in identifying the probable source for closure.

A – Application issue

TL – Test lab issue

C – Client issue

R – Retesting may be necessary

column indicates unique or separate non-conformity items (note some items may be related).

Non-Conformity or Comment column indicates the evaluators specific question or comment.

Submitted response column indicates the response or a summary of the response provided.

Respondent / Date of Response column indicates the responding party or agent and the date of the response was either received or logged.