

EP04

CKC Certification Services

Evaluation/Application Report

**For Application:
E10-000024-FCC**

Date of Report: March 26, 2010
Report Number: EV10-024

Written by:
Randal Clark

Reviewed and Approved by:

Name	Title	Signature
MarDell Kendall	President	*

*PDF copy with approval signatures on file in QA.

Revision History

7/2/03	Rev 0	Original Release
10/24/03	Rev 1	Created word template from original form. Added new section 3 Restructured document layout and required fields for new section. Added standard text for conclusion section.
3/23/04	Rev2	Restructured document to accommodate Industry Canada requirements. Formatted document into a template format. All future revision tracking will be logged in the Visual Basic Editor Notes.
12/3/04	Rev 3	History is located in the "AutoNew" module notes
1/10/04	Rev 4	Refer to AutoNew module notes for revision history.
5/17/05	Rev 5	Refer to AutoNew module notes for revision history.
2/10/06	Rev 6	Refer to AutoNew module notes for revision history.
4/11/06	Rev 7	Refer to AutoNew module notes for revision history.
2/13/07	Rev 8	Refer to AutoNew module notes for revision history.
6/23/07	Rev 9	Refer to AutoNew module notes for revision history.
5/9/08	Rev 10	Refer to AutoNew module notes for revision history.
8/7/08	Rev 11	Refer to AutoNew module notes for revision history.

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1 Administrative Summary

Report Issued By: CKC Certification Services
4933 Sierra Pines Dr.
Mariposa, CA 95338
Phone: (209) 742-2378
Fax: (866) 779-9776
International Fax: +1 858-300-5341

Applicant Information: SmartLabs, Inc.
16542 Millikan Ave.
Irvine, CA 92606
USA
Phone: 949-221-0037
Fax: 949-221-9241

Description of Services: Evaluation of SwitchLinc™ - INSTEON Dimmer Switch (Dual-Band) for equipment authorization according to the applicable rules as defined by the services requested.

Evaluation Procedure Documents: TCB03
TCB35

Certification Numbers FCC ID: SBP2477D
IC:
iDA:
EU:

WO Number: 90456

2 List of CKC CS Personnel Involved with Application

It is CKC Certification Services policy that each decision on certification is taken by a person(s) different from those who carried out the evaluation. No person acting as an agent or technical or non-technical contact (i.e. as listed on the 731 Form) shall perform any certification functions. Refer also to procedures *TCB04 Section 3 (Certification Committee Operating Procedures)*

Any person employed by CKC Certification Services or by CKC Laboratories who performs functions for CKC Certification Services who has a direct involvement with the applicant, such as a person acting as an agent for the applicant or a person who has performed testing for this application is exempt from the certification decision and must have their name listed below. Persons performing multiple functions need only be listed once. Note: Evaluation may be performed by persons involved with other functions, however certification decision may not.

2.1 Exempted Persons

Function	Name	Comments
Non-Technical Contact	Jessina Hunter	
Technical Contact	Jessina Hunter	
Agent	Jessina Hunter	
Test Engineer	Shaminderjit Hundal	CKC - Brea
Consultant		
Other		

2.2 Reviewers and Decision Makers

All persons responsible for this application and their role within the evaluation are to be listed.

Function	Name	Comments
Admin Evaluator(s)	Randal Clark	
Technical Evaluator(s)	Randal Clark	Person(s) issuing recommendataion
Certifier(s)	Amrinder Brar	Person(s) issuing certification decision

3 Conclusions / Recommendations

3.1 US Radio Equipment Authorization

Results of evaluation for Certification pursuant to the procedures outlined in 47 CFR Part 2 for a Grant of Equipment Authorization to be issued by CKC Certification Services as a TCB acting under the authority of the Federal Communications Commission:

Approval:

The review of this application and all the exhibits it contains demonstrate compliance to the applicable regulations set forth by the FCC for a grant of equipment authorization. It is my recommendation that this application be approved.

4 US Application for Radio Equipment Authorization

4.1 Application Checklist

Description	OK	NA	Notes
Has the General Checklist been used and does it comply?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has the Technical Checklist been used and does it comply?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has RF Exposure Evaluation been performed (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Grant Line entries verified and listed below?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Grant Notes and any additional Notes to be placed on grant verified and listed below	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Evaluation Completed and correct	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Notes Section (Not to be included with 731 Filing):

Administrative Notes:	<p>The Customer would like to defer this grant but is not set on a date of deferral at this time. Please write this up as a question for the customer. Thank you. 4/6/10 EW date provided, 16-July-10</p> <p>The Customer requested to defer the grant until 7/16/2010. Customer Contacted us and said he would like to move the deferral date.</p> <p>NEW Deferral Date: 8/6/2010</p>
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4.2 Application Information

<i>CKC CS FRN:</i>	0005044755		
<i>Applicant FRN:</i>	0011200474		
<i>FCC ID:</i>	SBP2477D (Grantee Code + Product Code)		
<i>Grantee Code:</i>	SBP		
<i>Product Code</i>	2477D		
<i>TCB Confirmation Number</i>	New: TC712686 Expired:TC182647		
<i>Modular Approval:</i>	NO	Modular Type	<input type="checkbox"/> Single <input type="checkbox"/> Single Limited
<i>Defer Grant:</i>	YES	Date to Defer:	6-August-2010
<i>Application Purpose:</i>	Original Equipment	Original Grant Date	(PC II only)
<i>Waiver?:</i>	No		
<i>Waiver approved</i>	No		
<i>Product Description:</i>	SwitchLinc™ - INSTEON Dimmer Switch (Dual-Band)		

Enter information for first equipment class

<i>Composite Device:</i>	NO	Reference FCC ID(s):	
	<input type="checkbox"/> Multiple transmitters is the same device		
	<input type="checkbox"/> Part of a system or marketed with		
<i>Equipment Scope:</i>	A1		
<i>Equipment Class:</i>	DXT		
<i>KDB Number:</i>			

Additional Grant Comments (Form 731 Section I)

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Section II Entries

<i>Additional Comments</i>	<i>FCC Rule Part</i>	<i>Frequency Range (MHz)</i>	<i>Output Power (Watts)</i>	<i>Frequency Tolerance</i>	<i>Emissions Designator</i>	<i>Microprocessor</i>
20	15C	914.9-915.1				

('na' or blank indicates not required or needed)

Exhibit Confidentiality Checklist

Check boxes in **BLACK** for permanent confidentiality

Check boxes in **GREY** for temporary confidentiality

Note both permanent and temporary may not be selected simultaneously

Permanent Confidentiality

Perm	Temp	Temp Release Date	Exhibits to be marked Confidential
<input checked="" type="checkbox"/>	<input type="checkbox"/>		Block Diagram
<input checked="" type="checkbox"/>	<input type="checkbox"/>		Operational Description / Theory of operation
<input checked="" type="checkbox"/>	<input type="checkbox"/>		Parts List / BOM
<input checked="" type="checkbox"/>	<input type="checkbox"/>		Schematics
<input type="checkbox"/>	<input type="checkbox"/>		Tune Up Procedure
The following must be accompanied by proper justification in order to be held permanently confidential			
<input type="checkbox"/>	<input type="checkbox"/>		Internal Photos
<input type="checkbox"/>	<input type="checkbox"/>		External Photos
<input type="checkbox"/>	<input type="checkbox"/>		Users manual
The following exhibits are not available for permanent confidentiality			
	<input type="checkbox"/>		Test Setup Photos
Other Items require proper justification			
<input type="checkbox"/>		N/A	(list items)

CKC CS Notes:

1. Other than items indicated above, **no other items** may be held temporarily confidential.
2. Applications under multiple scopes and or multiple equipment classes may require multiple form 731 filings (e.g. multiple grants for the same device).

Scope List:

- A1 - Low power transmitters on frequencies below 1 GHz (with the exception of spread spectrum devices), emergency alert systems, unintentional radiators (e.g., personal computers and associated peripherals and TV interface devices) and consumer ISM devices subject to certification (e.g., microwave ovens, RF lighting and other consumer ISM devices). Parts 11,15B, 15C, 15F and 18
- A2 - Radar Detectors, low power transmitters operating on frequencies above 1 GHz, (with the exception of spread spectrum).Parts 15B, 15C, 15F and 18
- A3 - Unlicensed Personal Communication Systems (PCS) devices.Part 15D only
- A4 - Unlicensed National Information Infrastructure (UNII) devices and low power transmitters using Spread Spectrum techniques. Part 15C and 15E
- B1 - Personal Mobile Radio Services in 47 CFR parts 22 (cellular), 24, 25, and 27.
- B2 - General Mobile Radio Services in 47 CFR Parts 22 (non-cellular), 73, 74, 90, 95, and 97.
- B3 - Maritime and Aviation Radio Services in 47 CFR parts 80 and 87
- B4 - Microwave Radio Services in 47 CFR Parts 27, 74, and 101

Appendix A

Non-Conformities for US Radio Equipment Authorization

Non-Conformities FCC ID: SBP2477D (CKC CS Ref # E10-000024-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
x	C	1	The application requests grant deferral, however no specific date was provided to which the grant should be deferred. Please provide confirmation of grant deferral date or send notice of abrogation to the request for deferral.	Yes, defer to 16-July-10	John Lockyer 1-April-10
x	C	2	In the users manual under FCC compliance statement, the two part warning required by 15.19 has been run together with the 15.105 warning. CKC requests an extra paragraph separation or other delination between the two comments; “...may cause undesired operation. The digital circuitry of this device...”	Updated as requested The manual has been updated to include the Canadian version of the two warnings and the section has been re-titled to include Industry Canada. See file: 2477D_QSG_20100402_NEW. 4/6/10 EW, ‘The digital circuit...’ now starts on a new line.	John Lockyer 1-April-10 John Lockyer 2-April-10
		3			
		4			
		5			
		6			

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.

---CKC CS SECTION--- ---Information below this line is for CKC CS Evaluators only---

CKCCS Note: Additions to non-conformities may be listed in a separate table for convenience. When separated, the non-conformity reference serial number (NN) is incremented using in the following format reference # E10-000024-FCC-NN.

Appendix Z

Record of complaints regarding this application

Regulatory Agency Non-Conformities (Ref # E10-000024-FCC-REG)

List all correspondence from and responses to all agencies in this section. All correspondence must be recorded for monitoring purposes. If necessary, separate tables may be used to identify different agency's correspondence.

Agency	
App#	E10-000024-FCC
Date Opened	
Date Closed	

OK	#	Corr. #	Non-Conformity or Comment	Corr. Date	Submitted Response	Resp. Date
	1					
	2					
	3					
	4					
	5					
	6					

Customer / External Complaints (Ref # E10-000024-FCC-COMP)

List all correspondence from and responses to all external customers or customer complaints in this section. All correspondence must be recorded for monitoring purposes. If necessary, separate tables may be used to identify different parties.

Party	
App#	E10-000024-FCC
Date Opened	
Date Closed	

OK	#	Corr. Date	Non-Conformity or Comment	Corr. Date	Submitted Response	Resp. Date
	1					
	2					
	3					
	4					
	5					
	6					