

CKC Certification Services, LLC

CB: US0103; NB: 0976
4933 Sierra Pines Drive
Mariposa, CA 95338
Domestic Phone: 1 800-500-4EMC (4362)
Domestic FAX: 1 866-779-9776
International Phone: +1 209-966-5240
International Fax: +1 858-300-5341



APP-FCC
CKC CS Application for
Radio Equipment Certification
in United States
(FCC OET Form 731)

Applicant/Grantee Information

Company Name & Address: ClearRF, LLC 12825 E. Mirabeau Pkwy, Suite 104 Spokane Valley, WA 99216	Full Name: Pete Wilhite Title: Principal Engineer Email Address: petew@clearrf.com	Telephone No: 509-321-9533 Facsimile No: 509-321-9510
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☐ Check here if this is a change in name and/or address not previously reported (See 47 CFR §2.929)

Product Identification (FCC ID):

FCC ID:	XS7WRE2710
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CORES Information

CKC CS FRN:	0005044755
Applicant FRN:	0020041091

Application Details:

Application Purpose	Original Equipment
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For Change in FCC ID Only:

Original FCC ID:	FCC ID.
Grant Date:	Click to enter date.

Product Description: (Description of product as marketed)

Note: this text will appear on the Grant of Equipment Authorization

Dual-Band Bi-Directional Direct Connect Cellular Amplifier

Note: Max 50 characters.

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**Technical Contact Information**

Company Name & Address: ClearRF, LLC 12825 E. Mirabeau Pkwy, Ste 104 Spokane Valley, WA 99216	Full Name: Pete Wilhite Title: Principal Engineer Email Address: petew@clearrf.com	Telephone No: 509-321-9533 Facsimile No: 509-321-9510
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Non Technical Contact Information

*If non-technical contact is the same as the technical contact, leave these items blank.

Company Name & Address: CKC Certification Services, LLC 5046 Sierra Pines Dr Mariposa, CA 95338	Full Name: Randal Clark Title: TCB Manager Email Address: Info@ckccertification.com	Telephone No: 209-966-5240 Facsimile No: 866-779-9776
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Test Firm Information

Yes	Is the test firm accredited?	
A2LA	If yes, enter Accreditation Body	
0803.02	If yes, enter Certificate Number	
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Company Name & Address: CKC Laboratories, Inc. 110 North Olinda Place Brea, CA 92823	Full Name: Steve Behm Title: Director of Engineering Email Address: certification@ckc.com	Telephone No: 800-500-4362 Facsimile No: 866-779-9780

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**Equipment Details / Specifications**

Yes / No	Question
Yes	Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR §0.459 of the Commission Rules?
No	Does short-term confidentiality apply to this application? If Yes, specify the short-term confidentiality release date: Click here to enter a date.
No	Is there an equipment authorization waiver associated with this application?
No	If there is an equipment authorization waiver associated with this application, has the associated waiver been approved and all information uploaded?
No	Is this application for modular approval? If yes, enter the type of module: Choose an item.
No	Does this application include a Specific Absorption Rate (SAR) report for RF exposure compliance?
No	Is this application for software defined / cognitive radio authorization?
No	Is there a KDB (Knowledge Data Base) inquiry associated with this application? If yes, enter the inquiry tracking number: Click here to enter text.
No	Do you wish to defer the grant? (If product is approved, certification will not be made public until this date): Click here to enter a date.
No	Is the equipment in this application a composite device subject to an additional equipment authorization?
No	Is the equipment in this application part of a system that operates with, or is marketed with, another device that requires an equipment authorization?
If either of the above questions is answered "yes", complete the following statement:	
The related application: Choose an item.	
i. FCC ID: Click here to enter text.	iii. FCC ID: Click here to enter text.
ii. FCC ID: Click here to enter text.	iv. FCC ID: Click here to enter text.

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**Equipment Specifications:**

Equipment Scope	FCC Rule Part & Equipment Class*	Frequency Range (MHz)	Output Power (Watts)	Frequency Tolerance	Emissions Designator	Microprocessor (Optional)
	Part 22H – B2W	824-849	0.48	AMP	F9W	CDMA
	Part 22H – B2W	869-894	0.0000085	AMP	F9W	CDMA
	Part 24E – B2W	1850-1910	0.39	AMP	F9W	CDMA
	Part 24E – B2W	1930-1990	0.0000051	AMP	F9W	CDMA
	Part 22H – B2W	824-849	0.48	AMP	G7W	EDGE
	Part 22H – B2W	869-894	0.0000085	AMP	G7W	EDGE
	Part 24E – B2W	1850-1910	0.39	AMP	G7W	EDGE
	Part 24E – B2W	1930-1990	0.0000051	AMP	G7W	EDGE
	Part 22H – B2W	824-849	0.45	AMP	GXW	GSM
	Part 22H – B2W	869-894	0.0000093	AMP	GXW	GSM
	Part 24E – B2W	1850-1910	0.30	AMP	GXW	GSM
	Part 24E – B2W	1930-1990	0.0000081	AMP	GXW	GSM

Notes: For parts 11, 15 or 18 leave blank the Frequency Tolerance and Emissions Designator columns

For parts 11, 15 or 18 except 15.247 and 15.407, leave blank the Output Power column

* Rule Parts and Equipment classes drop-down is only a partial list. For other options, please contact CKC CS.

Scope List (General):

- 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"

Certification

Read each certification carefully before answering and signing this application

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312 (a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

SECTION 5301 (ANTI-DRUG ABUSE) CERTIFICATION:

The applicant must certify that neither the applicant nor any party to the application is subject to a denial of Federal benefits, that include FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862 because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the definition of a "party" for these purposes.


Yes	Does the applicant or authorized agent so certify?
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Applicant/Agent Certification:

I certify that I am authorized to sign this application. I accept the terms and conditions listed in Exhibit A. All of the statements herein and the exhibits attached hereto, are true and correct to the best of my knowledge and belief. In accepting a Grant of Equipment Authorization as a result of the representations made in this application, the applicant is responsible for (1) labeling the equipment with the exact FCC ID specified in this application, (2) compliance statement labeling pursuant to the applicable rules, and (3) compliance of the equipment with the applicable technical rules. If the applicant is not the actual manufacturer of the equipment, appropriate arrangements have been made with the manufacturer to ensure that production units of this equipment will continue to comply with the FCC's technical requirements.

Authorizing an agent to sign this application, is done solely at the applicant's discretion; however, the applicant remains responsible for all statements in this application.

If an agent has signed this application on behalf of the applicant, a written letter of authorization which includes information to enable the agent to respond to the above section 5301 (Anti-Drug Abuse) Certification statement as been provided by the applicant. It is understood that the letter of authorization must be submitted to the FCC upon request, and that the FCC reserves the right to contact the applicant directly at any time.

Signature of Authorized Person Filing:	
Printed Name:	Michelle Branum
Title of authorized signature:	Administrative Assistant
Date	12/24/2013

Complete items below if agent signs the application

Agent Company Name & Address: CKC Certification Services, LLC 5046 Sierra Pines Dr Mariposa, CA 95338	Full Name: Michelle Branum Title: Administrative Assistant Email Address: info@ckccertification.com	Telephone No: 209-966-5240 Facsimile No: 866-779-9776
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Exhibit A

Terms and Conditions Attendant to Equipment Certification in the United States

I, the above signed, acting as an authorized representative of the above named entity, having its registered offices at the above listed address, hereinafter referred to as the "Applicant," acknowledge and accept the following terms and conditions as provided herein.

Applicant authorizes CKC Certification Services, LLC., having its registered offices at 4933 Sierra Pines Dr., Mariposa, CA 95338, hereinafter referred to as "CKC CS," to perform the requested services in accordance with the articles of this agreement and the current regulations set forth by the Federal Communications Commission (hereinafter FCC).

Purpose:

The purpose of this annex is to convey to the Applicant in a concise format: the requirements of ISO Guide 65, the requirements of product certification schemes, and the terms and conditions applicable to all services provided by CKC CS.

1. Confidentiality:

CKC CS shall ensure confidentiality is maintained by its employees and any subcontractors concerning all confidential information with which they become acquainted as a result of their contacts with the Applicant or application materials. Except as required by law or by the certification scheme, information gained by CKC CS about a particular product shall not be disclosed to a third-party without the written consent of the Applicant. Applicant acknowledges that all information pertaining to a product certification may be provided to the governing regulatory agency. Applicant shall hold harmless CKC CS in the event that the governing agency denies confidential treatment to any portion of the provided materials.

2. Application Forms:

The Applicant is requested to fill out the application forms as provided by CKC CS however, the Applicant may choose to submit application forms from any source provided that the forms meet all requirements for the services sought. Regardless of application form, the provisions of this annex must be acknowledged in writing by the applicant.

2.1. The applicant acknowledges that all information provided on the application form is considered confidential unless an approved certificate is published in a public forum at which time the content of application form or its likeness, in full or in part, may become open for public inspection.

3. Compliance:

The applicant agrees to fulfill the requirements of, to implement changes as a result of change to and to continue to fulfill the technical and administrative requirements set forth in Title 47 of the Code of Federal Regulations (47 CFR), FCC Public Notices, Knowledge Database Interpretations and any other official policy statement or interpretation issued by the FCC that pertain to the services rendered according to the scope of service requested.

4. Jurisdiction:

The Applicant acknowledges and understands that the governing regulatory agency retains ultimate authority in all matters pertaining to certification, regardless of any actions or statements by CKC CS. (References US: 47 CFR §2.962(f)(6)).

5. Arrangements:

The Applicant agrees to make all necessary arrangements for a) the conduct of the evaluation, or surveillance, including provision for examining documentation and records, and access to the relevant equipment, location(s), area(s) and personnel (if necessary), and b) investigation of complaints.

6. Samples and Surveillance Testing:

The Applicant agrees to furnish to CKC CS within 14 days of request and without charge, production samples of products certified by CKC CS, including any requisite support or peripheral equipment including software necessary to facilitate testing.

6.1. APPLICANT IS REQUIRED to retain a minimum of one production product sample for a period of at least one year from the date of certification (CKC CS recommends five years).

6.2. CKC CS shall make attempts to minimize the duration of surveillance testing and agrees to perform up to 4 hours of testing at no charge to the Applicant. If the surveillance testing requires additional testing time due to non-compliant or inoperable equipment then the Applicant will be held responsible for any additional testing costs.

6.3. Should the product require Specific Absorption Rate (SAR) surveillance testing, CKC CS shall endeavor to minimize the scope of testing to that necessary to determine continued compliance of the product. All fees associated with SAR Surveillance testing shall be the responsibility of the Applicant.

- 6.4. All shipping expenses are the responsibility of the Applicant.
- 6.5. The governing authority may require of CKC CS mandatory notification in the event that product surveillance testing results are non-compliant or for failure to provide a surveillance sample. Any consequences of such circumstances are the sole responsibility of the Applicant.
7. *Use of Certification:*
- The Applicant agrees to a) make claims regarding certification only in respect of the scope for which certification has been granted and b) use certification only to indicate that products are certified as being in conformity with specified standards. The Applicant shall endeavor to ensure that no certificate or report nor any part thereof is used in a misleading manner or in a manner which CKC CS may consider misleading or unauthorized. Applicant agrees that any reproduction of a certificate issued by CKC CS shall be in entirety. In the event that a certificate contains an expiration date and an extension is desired, then it is the responsibility of the Applicant to apply for extension at least 30 days prior to the expiration date.
8. *Advertising and Publicity:*
- CKC CS permits of the applicant use of appropriate references to CKC CS in advertising, promotional or other material solely in connection with the specific products that it has certified, provided that a) the reference to CKC CS in no way creates a misleading impression as to the nature of CKC CS's findings, coverage or service and b) the manner in which the material is presented in no way brings CKC CS into disrepute.
9. *Modifications:*
- The Applicant Agrees to promptly inform CKC CS about changes significantly affecting the product's design or specification, or changes in the ownership of the Applicant or any change indicating that the product may no longer comply with the requirements of the certification program, such as intended modification to the product, or manufacturing process or, if relevant, its quality system, which affect the conformity of the product. CKC CS shall determine whether the announced changes require further investigations. If such is the case, the applicant shall not release certified products resulting from such changes until appropriate approvals have been obtained and CKC CS has notified the applicant accordingly.
10. *Consent:*
- The Applicant hereby gives consent to CKC CS to subcontract all or part of review, testing or other services at the discretion of CKC CS.
11. *Complaints:*
- The Applicant Agrees a) to keep a record of all complaints made known to the applicant relating to a product's compliance with certification, b) to make these records available to CKC CS if requested, c) Take appropriate action with respect to such complaints and any deficiencies found in products that affect compliance with the requirements of certification, and d) document actions taken.
12. *Indemnity:*
- Applicant agrees to indemnify and hold harmless CKC CS, its members, directors, officers and employees against any and all liability, loss, costs, damages, reasonable legal fees and expenses of whatever kind or nature, which is proximately caused by a) any breach by Applicant of the terms of this Agreement, including without limitation any failure to abide by the requirements, or b) any use of the Equipment, Process or Service in any manner that is not consistent with the requirements. The Applicant acknowledges that the opinions and findings of CKC CS represent its judgment given with due consideration to the necessary limitations of practical operation and in accordance with performance of its duties and agrees that CKC CS does not warrant or guarantee the correctness of its opinions or that its findings will be recognized or accepted by a governing regulatory agency or any other third party. The Applicant agrees to hold harmless and to defend and indemnify CKC CS against any loss, expense, liability or damage, including reasonable attorney's fees, arising out of any misuse by the Applicant of a CKC CS certification, opinion or decision; or arising out of any violation by the Applicant of the terms and conditions of this agreement.
- 12.1. *Force Majeure:* In the event of major catastrophic circumstances, services may be disrupted. The applicant agrees to hold harmless CKC CS for any and all liability, loss, costs, damages, reasonable legal fees and expenses of whatever kind or nature, which is proximately caused by such an event.
- 12.2. *Limit of Liability:* In no event shall CKC CS's liability under this Agreement exceed the cost of services billed to the Applicant for the specific service provided, excluding any registration fees paid by CKC CS to another authority on behalf of the Applicant.

12.3. *Testing:* CKC CS neither assumes nor accepts responsibility for any damage to Applicant's property or injury to personnel that may occur during or as a result of tests, whether performed in whole or in part by Applicant or CKC CS, and whether or not any device, test equipment, facility or personnel for or in connection with the test is furnished by Applicant or CKC CS.

13. *Cancellation Policy:*

Any application may be cancelled at any time at the discretion of the Applicant. The Applicant may however forfeit any fees charged after commencement of review.

14. *Termination:*

Upon suspension or cancellation of certification, the Applicant agrees to discontinue its use of all advertising material that contains any reference thereto and return or certify the destruction of any certification documents as required by CKC CS.

15. *Pending Application Termination Policy:*

CKC CS reserves the right to close or dismiss any pending application if the Applicant fails to submit requested information or exhibits within 60 days of the request. Applicants are encouraged to inform CKC CS in the event that a request for information or exhibits will take longer than 60 days to provide. In such cases, CKC CS may extend the application review period up to the maximum period for an incomplete application. All incomplete applications will automatically be dismissed after a period of 1 year from receipt of the application or 1 year from the oldest date of all provided test reports associated with an individual service, whichever comes earlier.

16. *Appeals/Disputes:*

All disputes that may arise in connection with this agreement are to be settled in accordance with the appeal procedures of CKC CS (TCB12). In the case of certificates, the specified governing regulatory agency is always the final arbiter of any appeals/disputes between CKC CS and the Applicant. In the event of an Appeal or Dispute, materials, including those deemed confidential may be provided to the Arbiter to facilitate resolution of the Appeal or Dispute.

17. *Agreement Period:*

This agreement comes into force as of the date signed above and remains in force unless withdrawn for justified reasons or cancelled by either party upon due notice given to the other party. The Applicant acknowledges that termination of this Agreement does not in any way obviate the Applicant's responsibility to comply with the relevant certification requirements for the governing regulatory agency under which a certification has been granted.

18. *Agents:*

At the discretion of the Applicant, an authorized Agent may sign this application form. Regardless of signatory, the applicant shall hold all final responsibility with regard to this applications and all attendant terms and conditions.