



(REFERENCE COPY - Not for submission)  
Direct Measurement of Power Application (302-AM)

File Number: **BZ-20090731AGU** | Submit Date: **08/06/2009** | Lead Call Sign: **KXEX** | FRN: **0029822012**

Service: **Full Power AM** | Purpose: **Direct Measurement of Power** | Status: **Granted** | Status Date: **09/17/2009**

Filing Status: **Inactive**

### General Information

Section	Question	Response
<b>Attachments</b>	Are attachments (other than associated schedules) being filed with this application?	

### Fees, Waivers, and Exemptions

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
	Is the applicant exempt from FCC regulatory Fees?	
<b>Waivers</b>	Does this filing request a waiver of the Commission's rule (s)?	
	Total number of rule sections involved in this waiver request:	

### Applicant Information

#### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>RAK COMMUNICATIONS, INC.</b> Applicant Doing Business As: RAK COMMUNICATIONS, INC.	2171 RALPH AVENUE STOCKTON, CA 95206 United States	+1 (559) 233-8803	RAKRADIO@COMCAST.NET	Company

### Contact Representatives (2)

Contact Name	Address	Phone	Email	Contact Type
<b>MARK D NEWMANN PE</b> REGISTERED PROFESSIONAL ENGINEER	HAMMETT & EDISION INC P O BOX 280068 SAN FRANCISCO, CA 94128 United States	+1 (707) 966-5200		Technical Representative
<b>RICHARD A. HELMICK</b> COHN AND MARKS LLP	United States	+1 (202) 452-4831	RICHARD. HELMICK@COHNMARKS.COM	Legal Representative

**Legal  
Certifications**

Section	Question	Response
<b>Character Issues</b>	<p>Applicant certifies that neither applicant nor any party to the application has or had any interest in, or connection with:</p> <p>(a) any broadcast application in any proceeding where character issues were left in unresolved or were resolved adversely against the applicant or party to the application; or</p> <p>(b) any pending broadcast application in which character issues have been raised.</p>	
<b>Adverse Findings</b>	<p>Applicant certifies that, with respect to the applicant and any party to the application, and any non-party equity owner in the applicant, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination.</p>	

**Frequency and  
Facility  
Information**

Section	Question	Response
<b>Filing Type of License</b>	filing type	Direct Measurement Of Power
<b>Proposed Community of License</b>	State	California
	City	Fresno
<b>Facility Information</b>	Frequency	1550
	Service Type	Main
	Facility Type	Commercial
	Class	B
<b>Modes/Hour of Operation</b>	Modes/Hour of Operation	Daytime, NightTime

**Antenna  
Summary Data**

**Directional Antenna Data - Daytime**

Section	Question	Response
<b>Parameters</b>	Nominal Power	5.000
	Antenna Input Power	5.400
	RF common point or antenna current without modulation	10.400
	Measured antenna or common point resistance at operating frequency	50
	Latitude	36° 46` 13.8N
	Longitude	119° 55` 23.5W
	Excitation	
	Antenna Monitor Manufacturer	GORMAN-REDLICK CMR (242)

	Antenna Monitor Type							
<b>Towers</b>	<b>Tower</b>	<b>Field Ratio</b>	<b>Phase (deg.)</b>	<b>ASRN</b>	<b>Overall Ht. (m)</b>	<b>AGL w/o light(m)</b>	<b>AGL w light(m)</b>	<b>Tower Type</b>
	1	0.606			48.4		49.6	Neither
	2	0.606			48.4		49.6	Neither
	3	0.606			48.4		49.6	Neither
<b>Tower Description</b>	Attach as an exhibit, a description of the towers (uniform cross section, guyed, top-loaded, or such) with details, dimensions and information regarding any other antennas mounted on the tower.							
<b>Ground System Description</b>	Attach as an exhibit, a complete description of the ground system.							
<b>Antenna or Common Point Resistance</b>	Attach as an exhibit, reasons for any change in antenna or common point resistance, if applicable.							
<b>Antenna Performance</b>	Proof of Performance							
	Ground System Description		Attach as an exhibit, an engineering statement describing the techniques and software used in the moment method model. Include a complete description of the sampling system and related measurements. If base sampling is specified, an exhibit of the circuit model must be provided. A tower survey certification must also be included unless the station is exempt per Section 73.151(c)(1)(ix). The station must meet all the requirements specified in Section 73.151.					
	Description of Sampling System							
	Sampling System Certification		Yes					

### Directional Antenna Data - Nighttime

Section	Question	Response						
<b>Parameters</b>	Nominal Power	2.500						
	Antenna Input Power	2.700						
	RF common point or antenna current without modulation	7.350						
	Measured antenna or common point resistance at operating frequency	50						
	Latitude	36° 46' 13.8N						
	Longitude	119° 55' 23.5W						
	Excitation							
	Antenna Monitor Manufacturer	GORMAN-REDLICK CMR (242)						
	Antenna Monitor Type							
<b>Towers</b>	<b>Tower</b>	<b>Field Ratio</b>	<b>Phase (deg.)</b>	<b>ASRN</b>	<b>Overall Ht. (m)</b>	<b>AGL w/o light(m)</b>	<b>AGL w light(m)</b>	<b>Tower Type</b>
	1	0.553			48.4		49.6	Neither
	2	0.553			48.4		49.6	Neither
	3	0.553			48.4		49.6	Neither
	4	0.553			48.4		49.6	Neither

<b>Tower Description</b>	Attach as an exhibit, a description of the towers (uniform cross section, guyed, top-loaded, or such) with details, dimensions and information regarding any other antennas mounted on the tower.	
<b>Ground System Description</b>	Attach as an exhibit, a complete description of the ground system.	
<b>Antenna or Common Point Resistance</b>	Attach as an exhibit, reasons for any change in antenna or common point resistance, if applicable.	
<b>Antenna Performance</b>	Proof of Performance	
	Ground System Description	Attach as an exhibit, an engineering statement describing the techniques and software used in the moment method model. Include a complete description of the sampling system and related measurements. If base sampling is specified, an exhibit of the circuit model must be provided. A tower survey certification must also be included unless the station is exempt per Section 73.151(c)(1)(ix). The station must meet all the requirements specified in Section 73.151.
	Description of Sampling System	
	Sampling System Certification	Yes

## License Certifications

Section	Question	Response
<b>Correcting Coordinates</b>	Is this application being filed to correct coordinates as authorized by 47 CFR Section 73.1690(c)(11)?	
<b>Change in License Status</b>	Is this application being filed to authorize a change in license status from commercial to non-commercial or from non-commercial to commercial, pursuant to 47 CFR Section 73.1690(c)(9)?	

## Certification

Section	Question	Response
<b>General Certification Statements</b>	The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).	
	The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §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. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification § 1.2002(c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.	

<p><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></p> <p>Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application.</p> <p>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND /OR FORFEITURE (U.S. Code, Title 47, §503).</p>	
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>ALBERT R PEREZ</b></p>

**Attachments**

Information not provided.