

# *APPLICATION FOR LICENSE*

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FM STATION KWIE  
BARSTOW, CALIFORNIA  
FACILITY ID: 191522

POINT FIVE, LLC

JUNE, 2016

## *APPLICATION FOR LICENSE*

The following engineering statement and related exhibits have been prepared for **Point Five, LLC** ("Point Five"), permittee of FM broadcast station KWIE at Barstow, California, and are in support of their application for license to cover construction of that facility authorized under FCC File No. BMPH-20151229AAS.<sup>1</sup> Construction of the facility in accordance with the terms of the construction permit has been completed.

KWIE is authorized to operate with an effective radiated power of 2.25 kilowatts, at a center of radiation of 939 meters above mean sea level. This elevation corresponds to a center of radiation of 49 meters above ground, or 165 meters above average terrain. A non-directional antenna has been authorized for use by the facility under the related construction permit.

The main studio is in compliance with the provisions of Section 73.1125 of the Commission's Rules. The main studio is located within leased space at the City of Barstow Harvey House. The address of this facility is 685 North 1st Street, and Point Five specifically has leased Suite #214. This location is within the corporate limits of the community of license of the KWIE. Additionally, as the map in Exhibit E-1 demonstrates, this location is within the predicted 70 dBu service contour.

The specified transmitter power achieves the authorized effective radiated power. The authorized effective radiated power for the facility is 2.25 kW. The antenna utilized by KWIE is a Bext TFC2K-7-16. This antenna consists of two bays spaced 0.85 wavelength apart. In a

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<sup>1</sup> The Facility ID for KWIE at Barstow, California is 191522.

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conversation with the manufacturer, it was learned that the gain of this antenna is 1.0. Thus, the input power to the antenna to achieve the authorized effective radiated power is 2.25 kilowatts.

Preceding the antenna is the main run of transmission line, which consists of 171 feet of Andrew/Commscope AVA5-50X coaxial cable. This cable has a nominal diameter of 7/8 inch, and is constructed with a foam dielectric. The insertion loss of the line is 0.356 dB per 100 feet, resulting in a total insertion loss of 0.6088 dB. This corresponds to an efficiency of 86.92 percent, resulting in a necessary input power to the transmission line of 2.59 kW.

The RF system also includes an ERI bandpass filter, which has a nominal insertion loss of 0.11 dB. Between the filter and the input to the main transmission line is a calibrated wattmeter. The bandpass filter has been included in the system to mitigate the potential for spurious product emission. As a result of its presence, and that of the calibrated wattmeter, the output of the transmitter will be assumed to be at the wattmeter, with a power of 2.59 kW.

Per the provisions of Section 73.212 of the Commission's Rules, the transmitter power output is to be rounded to 2.60 kW. Therefore, it is respectfully submitted that the specified transmitter power output achieves the authorized effective radiated power.

The facility was constructed in accordance with the terms of the construction permit. The construction permit specified two special conditions. Point Five is in compliance with both of these conditions.

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The first special condition or restriction pertains to radiofrequency radiation safety at the site. This condition requires the coordination with other users of the site to protect workers and other personnel from radiofrequency radiation in excess of the applicable safety standards. Point Five certifies that it will undertake appropriate coordination activities. Such activities will include, but are not necessarily limited to, a reduction in transmitter power, or a cessation of operation.

The second special condition pertains to the staffing, location, and mailing address for KWIE and its main studio. This condition lists three specific prongs necessary for demonstrating compliance. First, Point Five will operate KWIE independently from stations owned by The Drive, LLC, and from any station in the Victor Valley Market not owned by the principals of Point Five. Secondly, KWIE is not to share studio or office space, or a mailing address with any station licensed to The Drive, LLC, KHWY, Inc., or any subsidiaries of either entity. Thirdly, KWIE will not share employees of management personnel with any station licensed to The Drive, LLC or KHWY, Inc. or any of their subsidiaries.

Point Five certifies that it is in compliance with each of these portions of this detailed second special condition. Point Five has established a studio location totally separate from the other stations in the valley. The facilities licensed to The Drive, LLC are located at 1611 E. Main Street in Barstow. Additionally, Point Five certifies that it will not share staff with any other facility not specifically licensed to Point Five.

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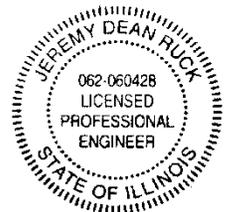
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other personnel from radiofrequency radiation in excess of the applicable safety standards. Chadrad certifies that it will undertake appropriate coordination activities. Such activities will include, but are not necessarily limited to, a reduction in transmitter power, or a cessation of operation.

The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature  
License Expires November 30, 2017

Jeremy D. Ruck, PE  
June 3, 2016

**JEREMY RUCK & ASSOCIATES, INC.**

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**KWIE.C**  
BMPH20151229AAS  
Latitude: 34-51-22 N  
Longitude: 117-02-59 W  
ERP: 2.25 kW  
Channel: 267  
Frequency: 101.3 MHz  
AMSL Height: 939.0 m  
Elevation: 890.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

*Jeremy Ruck & Associates, Inc.*

KWIE Main Studio  
Location

KWIE Transmitter  
Site Location

KWIE 70 dBu  
Service Contour

Exhibit E-1  
Depiction of Main Studio Location  
KWIE - Barstow, California  
Point Five, LLC  
June, 2016

