# Proof of Performance Report

KXSM, Chular, California

FIN: 34526

93.1 Mhz

May 25,2017

Lloyd Moss

Corporate Chief Engineer

Lazer Licenses, LLC

lloyd@airgineeringtech.com

# Table Of Contents

# Introduction

The permittee for the KXSM Construction Permit (file number BPH-20151105ABE) is Lazer Licenses, LLC, Lloyd Moss is the permittees Corporate Chief Engineer and he completed the KXSM spurious emissions proof on May 23, 2017

# Test Equipment

Signal Hound SA44B Spectrum Analyzer S/N 32950424

# Station Equipment

Gates Air FAX 3K Transmitter

PSI 2 Port Star Point Combiner

PSI FMR-4E50WS 4 Bay 1/2 Wave Antenna

195' Andrew HJ7-50 Transmission Line

# Summary

Spurious and Occupied Bandwidth Emissions measurements were completed at the output of the PSI Combiner network with KXSM and all other transmissions operating at 100% power.

These measurements provide proof that KXSM is in compliance with the requirements of FCC Part 73.317.

# Affidavit

I, Lloyd Moss, do affirm that:

1. I am the Corporate Chief Engineer for Lazer Licenses, LLC
2. I am a qualified broadcast engineer with 23 years of experience in the installation and maintenance of FM antenna systems.
3. I hold an FCC General Radiotelephone Operators License. # PG-GB-00783 issued 3/30/1995;
4. I am a Senior Broadcast Engineer, Society of Broadcast Engineers # 16714
5. I further declare, under penalty of perjury, that the statements contained in this document are accurate to the best of my knowledge.

Lloyd Moss

Lloyd Moss

Corporate Chief Engineer

This 25th day of 2017

# Spurious Emissions Measurement

The KXSM transmitter emissions were thoroughly analyzed using a Signal Hound SA44B spectrum analyzer. The KXSM transmitter and RF circuit are free of spurious emissions.

# Occupied Bandwidth Measurement

The occupied bandwidth was measured with a Signal Hound SA44B spectrum analyzer utilizing fourteen mask segments to determine the occupied bandwidth. Measurements were completed over five minutes using a max-hold spectrum sweep, and demonstrate that KXSM is operating within the permissible bandwidth.