



(REFERENCE COPY - Not for submission)

DTS Engineering STA Application

File Number: **0000004357** | Submit Date: **08/04/2015** | Call Sign: **KILM** | Facility ID: **63865** | FRN: **0003720042** | State: **California** | City: **BARSTOW**
 Service: **DTS** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **09/30/2015** | Expiration Date: **03/30/2016**
 Filing Status: **InActive**

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

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

Application Type	Fee Code	Fee Amount
Engineering STA	MGT	\$190.00
Total		\$190.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
KAZN-TV LICENSEE LLC Doing Business As: KAZN-TV LICENSEE LLC	Arthur Liu 27 WILLIAM STREET 11TH FLOOR NEW YORK, NY 10005 United States	+1 (212) 431- 4300	arthurl@mrbi. net	Limited Liability Company

Authorization Holder Name

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

**Contact
Representatives
(2)**

Contact Name	Address	Phone	Email	Contact Type
Brian Madden <i>Attorney</i> LERMAN SENTER PLLC	2000 K STREET, NW SUITE 600 WASHINGTON, DC 20006 United States	+1 (202) 429- 8970	BMADDEN@LERMANSENTER. COM	Legal Representative
S. Merrill Weiss <i>Technical Consultant</i> Merrill Weiss Group LLC	S. Merrill Weiss 227 Central Avenue Metuchen, NJ 08840 United States	+1 (732) 494- 6400	merrill@mwgrp.com	Technical Representative

Channel and Facility Information

Section	Question	Response
Facility ID	63865	
State	California	
City	BARSTOW	
DTS Channel	44	
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

Primary station proposed to be rebroadcast:

Facility Id	Call Sign	City	State

DTS Reference Point

Section	Question	Response
Construction Permit File Number and Facility ID	File Number for Current Authorized Service Area:	
	Facility ID	63865
Coordinates (NAD83)	Latitude	34° 28' 30.0" N+
	Longitude	117° 18' 33.2" W-

**Site 1: Antenna
Location Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1014642
Coordinates (NAD83)	Latitude	34° 36' 33.9" N+
	Longitude	117° 17' 14.1" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	156.0 meters
	Support Structure Height	156.0 meters
	Ground Elevation (AMSL)	1367.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	146.0 meters
	Height of Radiation Center Above Average Terrain	597.0 meters
	Height of Radiation Center Above Mean Sea Level	1513.6 meters
	Effective Radiated Power	1000.0 kW

**Site 1: Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1000507
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ATW24H4-HSCX-44H
	Electrical Beam Tilt	1.0
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	
	Rotation	0.0 degrees
	Uploaded file for elevation antenna (or radiation) pattern data	

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.171	90	0.403	180	0.974	270	0.983
10	0.139	100	0.582	190	0.978	280	0.995
20	0.228	110	0.741	200	0.988	290	0.998
30	0.298	120	0.865	210	0.997	300	0.976
40	0.316	130	0.947	220	1.0	310	0.92
50	0.276	140	0.989	230	0.994	320	0.821
60	0.19	150	0.998	240	0.984	330	0.681
70	0.127	160	0.99	250	0.975	340	0.512
80	0.228	170	0.979	260	0.975	350	0.33

Additional Azimuths

Degree	V _A
6.0	0.127
38.0	0.317
218.0	1.0

**Site 2: Antenna
Location Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1213941
Coordinates (NAD83)	Latitude	34° 12' 47.9" N+
	Longitude	118° 03' 44.3" W-
	Structure Type	LTOWER-Lattice Tower
	Overall Structure Height	60.9 meters
	Support Structure Height	60.9 meters
	Ground Elevation (AMSL)	1654.5 meters
Antenna Data	Height of Radiation Center Above Ground Level	30.5 meters
	Height of Radiation Center Above Average Terrain	878.9 meters
	Height of Radiation Center Above Mean Sea Level	1685.0 meters
	Effective Radiated Power	169.3 kW

**Site 2: Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Non-Directional
	Do you have an Antenna ID?	
	Antenna ID	93761
Antenna Manufacturer and Model	Manufacturer:	RFS
	Model	DX24-D-44
	Electrical Beam Tilt	3.6
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	
	Uploaded file for elevation antenna (or radiation) pattern data	

Site 3: Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1256620
Coordinates (NAD83)	Latitude	34° 02' 17.1" N+
	Longitude	116° 48' 50.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	52.1 meters
	Support Structure Height	52.1 meters
	Ground Elevation (AMSL)	2407.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	30.5 meters
	Height of Radiation Center Above Average Terrain	767.6 meters
	Height of Radiation Center Above Mean Sea Level	2438.4 meters
	Effective Radiated Power	40.0 kW

**Site 3: Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Non-Directional
	Do you have an Antenna ID?	
	Antenna ID	95812
Antenna Manufacturer and Model	Manufacturer:	RFS
	Model	DX24-H-44
	Electrical Beam Tilt	3.3
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	
	Uploaded file for elevation antenna (or radiation) pattern data	

Certification

Section	Question	Response
<p>General Certification Statements</p>	<p>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.).</p>	
	<p>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>	
<p>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</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 certify that this application includes all required and relevant attachments.</p>	<p>Yes</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>Arthur Liu <i>President, Manager</i></p> <p>08/04/2015</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>8.4 KILM STA Exhibit.pdf</u>	Applicant	General Information	Explanation of STA request
<u>KILM report of resumption of operation at Quartzite Mtn as filed.pdf</u>	Internal	All Purpose	