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International Scripture Ministries, Inc.
New Non-Commercial Educational Station
Class A, Channel 210, Silver City, NM
32-46-40.7 N, 108-18-44.1 W – ERP = 1 KW (H&V) – RCAMSL = 2059 Meters

The applicant seeks new NCE Station serving Silver City, New Mexico on Channel 210.

Allocation Considerations

The facility is fully compliance pursuant to 73.525, 73.209 and all other rule sections with respect to interference with existing broadcast authorizations and applications.

ComStudy 2.2 search of Channel 210 (Class A) at (NAD 83) 32-46-40.7 N, 108-18-44.1 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
KLVA	SUPERIOR	AZ	210	C	301.77	226.0	291.4	14.25 dB
KYCM	ALAMOGORDO	NM	210	C3	227.13	142.0	87.9	16.11 dB
KDNM	RESERVE	NM	211	A	111.69	72.0	337.9	25.61 dB
KAZK	WILLCOX	AZ	209	A	153.84	72.0	248.7	27.26 dB
KMBN	LAS CRUCES	NM	209	A	142.75	72.0	112.6	27.26 dB
KAZK	CATALINA	AZ	209	C2	234.80	106.0	261.5	34.69 dB
KLVA	SUPERIOR	AZ	210	C	320.56	226.0	285.3	35.35 dB
KRMB	BISBEE	AZ	211	A	211.70	72.0	227.6	36.04 dB
KUAT-FM	TUCSON	AZ	213	C	229.18	95.0	260.5	38.39 dB
KTDB	RAMAH	NM	209	C3	242.97	89.0	357.6	38.35 dB
KUAT-FM	TUCSON	AZ	213	C	229.18	95.0	260.5	38.57 dB

Community of License Coverage

The proposed f(50,50) 60 dBu Contour serves 100 percent of the Community of License and 100 percent of the land area of Silver City, New Mexico. Attached is a map to demonstrate this.

Height Above Average Terrain

Using the FCC Online Computer Program HAAT, using the proposed geographic coordinates, radiation center and the eight cardinal radials, the Height Above Average Terrain for the proposed antenna is 202 meters.

The 8 cardinal radial data results are below:

0°	97.8 m
45°	25.0 m
90°	228.0 m
135°	314.1 m
180°	247.8 m
225°	286.0 m
270°	346.7 m
315°	69.1 m

TV 6 Considerations

There are no Full-Service or Class A TV 6 Licenses, Permits or Applications within the threshold distance pursuant to 47 CFR Section 73.525. No further showing is required.

Basis for Land Area and Population Coverage (Technical Parameters)

Attached is a map showing the f(50,50) 60 dBu new area using USGS 3 arc-second terrain data and the population contained in the calculated area. The map shows a Census 2010 population density color underlay representation of the population served. The count was made by Radiosoft Comstudy.

The new area served in the Points System Factors/Tiebreakers – Technical Parameters Section is 2142.4 square kilometers. The basis for this calculation is the f(50,50) 60 dBu contour area. No derating for water is included since the only water areas covered by the proposed contour are streams and small rivers unable to be calculated using available tools.

The new population served in the Points System Factors/Tiebreakers – Technical Parameters Section is 26032. The basis for this calculation is the f(50,50) 60 dBu contour area overlay with Census 2010 population block centroids.

Environmental Statement

The applicant has proposed to co-locate the proposed transmitting antenna and equipment on and existing, established communications tower facility. Using the FCC computer program, FM Model and using a proposed antenna of ERI LP-2E “Opposed- U” antenna type, with 1 KW ERP (Horizontal and Vertical) at a height above ground level of 28 meters, the maximum RF radiation level reaching 2 meters above ground is 14.23 microwatts per centimeter squared.

This is a de minimis contribution to the allowed levels for of both General Population and Occupational standards set forth in OET Bulletin 65 and successor documents.

- End of Report -

Attachments:

1. Community of License Coverage Map.
2. f(50,50) 60 dBu contour map showing population overlay and land area covered.