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International Scripture Ministries, Inc.  
New Non-Commercial Educational Station  
Class A, Channel 212, Ruidoso, NM  
33-23-6.0 N, 105-39-43.0 W – ERP = 0.7 KW (H&V) – RCAMSL = 2333 Meters

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The applicant seeks new NCE Station serving Ruidoso, NM on Channel 212.

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 212 (Class A) at (NAD 83) 33-23-6.0 N, 105-39-43.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
NCE-MXG-157	ANTHONY	NM	212	C1	165.18	200.0	202.7	0.20 dB
KRLU	ROSWELL	NM	211	A	95.42	72.0	91.2	12.90 dB
KYCM	ALAMOGORDO	NM	210	C3	65.07	42.0	198.9	15.85 dB
KLXC	CARLSBAD	NM	212	A	173.49	115.0	127.1	19.33 dB
NCE-MXG-157	EL PASO	TX	212	A	194.47	115.0	204.7	19.44 dB
NCE-MXG-157	CHAPARRAL	NM	212	A	164.34	115.0	203.0	20.56 dB
NCE-MXG-157	DEMING	NM	212	C2	224.87	166.0	234.7	20.81 dB
NCE-MXG-157	SILVER CITY	NM	212	A	247.61	115.0	257.1	21.36 dB
KELU	CLOVIS	NM	212	C3	255.41	142.0	62.0	22.37 dB
NCE-APP-AMD	ALAMOGORDO	NM	215	A	65.84	31.0	206.4	25.55 dB
	PRAXEDIS GUERR	CH	211	B	225.58	125.0	188.3	26.40 dB
KANM	GRANTS	NM	212	C2	273.13	166.0	320.0	26.48 dB
NCE-MXG-153	HOBBS	NM	212	A	249.74	115.0	107.1	28.33 dB
NCE-MXG-156	LAS VEGAS	NM	212	A	249.20	115.0	9.5	30.98 dB
NCE-MXG-149	ROSWELL	NM	215	A	99.85	31.0	89.0	33.07 dB
NCE-MXG-156	LAS VEGAS	NM	212	A	248.87	115.0	8.4	34.40 dB
NCE-MXG-156	LAS VEGAS	NM	212	A	249.20	115.0	9.5	34.01 dB
KRWG	LAS CRUCES	NM	214	C1	175.26	75.0	224.8	35.01 dB
NCE-MXG-155	JAL	NM	211	C1	293.46	133.0	124.7	35.26 dB
KUNM	ALBUQUERQUE	NM	210	C	215.27	95.0	340.6	36.96 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 Ruidoso, 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 52 meters.

The 8 cardinal radial data results are below:

0°	167.7 m
45°	255.4 m
90°	277.6 m
135°	128.9 m
180°	148.4 m
225°	-28.8 m
270°	-404.2 m
315°	-128.6 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 1169.9 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 18771. 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-HW "Opposed- U" antenna type, with 0.7 KW ERP (Horizontal and Vertical) at a height above ground level of 59.2 meters, the maximum RF radiation level reaching 2 meters above ground is 2.05 microwatts per centimeter squared. This is within 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.