

TVSTUDY ANALYSIS FOR PROPOSED CHANNEL 12 SILVER CITY, NEW MEXICO

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Silv12, Model: Longley-Rice

Study build station data: LMS TV 2022-07-19

Proposal: SILV12 D12 DT APP SILVER CITY, NM
File number: Silv12
Facility ID: 0
Station data: User record
Record ID: 4750
Country: U.S.
Zone: II

Search options:

Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KOBF	D12	DT	LIC	FARMINGTON, NM	BLCDT20090224AAZ	435.5 km
No	KCOS	D13	DT	LIC	EL PASO, TX	BLEDT20110620AHQ	204.3

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

NEW 700 DAN D SILVER CITY, NM
NEW 700 DAN N SILVER CITY, NM

Record parameters as studied:

Channel: D12
Latitude: 32 46 40.80 N (NAD83)
Longitude: 108 18 44.20 W
Height AMSL: 2075.6 m
HAAT: 216.0 m
Peak ERP: 2.80 kW
Antenna: SCA-DRV-1/1 (ID 1003223) 115.0 deg
Elev Pattn: Generic

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.037 kW	120.3 m	37.3 km
45.0	0.109	29.7	26.1
90.0	1.91	242.3	76.7
135.0	2.20	333.9	83.2
180.0	0.189	260.4	59.8
225.0	0.030	304.0	49.4
270.0	0.010	362.2	44.4
315.0	0.005	71.9	19.4

Distance to Canadian border: 1803.0 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 110.9 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 222.0 degrees Distance: 190.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 17.6 degrees Distance: 860.3 km

Study cell size: 2.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

TVSTUDY ANALYSIS FOR PROPOSED CHANNEL 12

SILVER CITY, NEW MEXICO

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	SILV12	D12	DT	APP	SILVER CITY, NM	Silv12	

	Service area		Terrain-limited		IX-free		Percent IX
8917.6	46,878	6559.0	46,342	6559.0	46,342	0.00	0.00
