

TVSTUDY ANALYSIS FOR PROPOSED CHANNEL 9 TONOPAH, NEVADA

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Tono9, Model: Longley-Rice

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

Proposal: TONO9 D9 DT APP TONOPAH, NM
File number: Tono9
Facility ID: 0
Station data: User record
Record ID: 4752
Country: U.S.
Zone: II

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KOLO-TV	D8	DT	LIC	RENO, NV	BLCDT20090612ABN	270.3 km
No	KCAL-TV	D9	DT	APP	LOS ANGELES, CA	BLANK0000190276	437.1
No	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	437.1
No	KVIE	D9	DT	LIC	SACRAMENTO, CA	BLANK0000160094	377.9
No	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLANK0000142740	302.0
No	KMYU	D9	DT	CP	ST. GEORGE, UT	BLANK0000035745	338.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D9
Latitude: 38 5 42.10 N (NAD83)
Longitude: 117 11 12.20 W
Height AMSL: 2104.0 m
HAAT: 340.0 m
Peak ERP: 2.45 kW
Antenna: SCA-DRV-1/1 (ID 1003223) 235.0 deg
Elev Pattnr: Generic

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.040 kW	127.2 m	38.5 km
45.0	0.003	361.9	36.0
90.0	0.021	426.3	53.0
135.0	0.008	442.0	47.0
180.0	0.380	263.9	65.2
225.0	2.31	329.3	83.2
270.0	1.16	418.0	84.1
315.0	0.021	350.4	49.3

Distance to Canadian border: 1212.0 km

Distance to Mexican border: 612.5 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 265.5 degrees Distance: 402.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 73.9 degrees Distance: 1052.6 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%

Interference to proposal scenario 1

Desired:	Call TONO9	Chan D9	Svc DT	Status APP	City, State TONOPAH, NM	File Number Tono9	Distance
Undesireds:	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLANK0000142740	302.0 km
11241.6	Service area 2,984	8451.8	Terrain-limited 2,900		8408.1	IX-free 2,900	Percent IX 0.52 0.00
Undesired KVVU-TV D9 DT LIC		43.6	Total IX 0		43.6	Unique IX 0	Prcnt Unique IX 0.52 0.00