

Study created: 2022.05.16 17:26:57 JMC

Study build station data: LMS TV 2022-05-16

Proposal: KYUM-LD D15 LD APP YUMA, AZ
File number: BLANK00000055172
Facility ID: 74378
Station data: User record
Record ID: 1406
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K14SL-D	D14	LD	CP	ROLL, AZ	BNPDTL20100510AAO	98.4 km
No	K14SO-D	D14	LD	CP	DESERT CENTER, CA	BNPDTL20100514ACI	168.6
No	K15CR-D	D15	LD	LIC	LAKE HAVASU CITY, AZ	BLDTT20140530APD	213.8
No	K15LR-D	D15	LD	LIC	MEADVIEW, AZ	BLANK00000071713	355.9
No	KNXV-TV	D15	DT	LIC	PHOENIX, AZ	BLANK00000150948	246.2
No	K15HY-D	D15	LD	LIC	WILLIAMS-ASHFORK, AZ	BLANK00000053656	355.5
No	KUNA-LD	D15	LD	LIC	INDIO, CA	BLANK00000177278	196.1
Yes	KUNA-LD	N15-	TX	LIC	INDIO, CA	BLTTL20031124AQH	196.1
No	K24LS-D	N15+	TX	LIC	LUCERNE VALLEY, CA	BLTT19880307IE	289.6
No	K15FC-D	D15	LD	LIC	twentynine palms, CA	BLANK00000004552	200.0
No	KELV-LD	D15	LD	LIC	LAS VEGAS, NV	BLDTL20120215ABO	364.6
No	K16NM-D	D16	LD	CP	SALOME, AZ	BNPDTL20100514AEO	144.6
No	K19CX-D	N19	TX	LIC	YUMA, AZ	BLTT19941212JC	23.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
Mask: Stringent
Latitude: 32 41 14.52 N (NAD83)
Longitude: 114 35 25.53 W
Height AMSL: 95.5 m
HAAT: 0.0 m
Peak ERP: 6.00 kW
Antenna: KAT-K72314 (ID 19753) 295.0 deg
Elev Pattn: Generic
Elec Tilt: 0.50

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.265 kW	47.5 m	17.2 km
45.0	0.029	37.7	8.8
90.0	0.007	33.0	5.9
135.0	0.015	20.1	6.7
180.0	0.029	33.3	8.2
225.0	0.015	56.1	9.2
270.0	3.84	56.7	32.2
315.0	4.54	36.1	27.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 40 m

Distance to Canadian border: 1813.2 km

**Proposal is within coordination distance of Mexican border

Distance to Mexican border: 12.6 km

Conditions at FCC monitoring station: Douglas AZ

Bearing: 104.5 degrees Distance: 483.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 42.6 degrees Distance: 1173.3 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 1.00 km

Profile point spacing: 0.10 km

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

Maximum new IX to LPTV: 2.00%

No IX check failures found.