

tvstudy v2.2.2
Database: localhost, Study: KLUZ 176 KW, Model: Longley-Rice
Start: 2017.07.01 11:08:06

Study created: 2017.07.01 11:07:59

Study build station data: LMS TV 2017-06-25 (12)

Proposal: KLUZ-TV D16 DT APP ALBUQUERQUE, NM
File number: KLUZ 176 KW
Facility ID: 35084
Station data: User record
Record ID: 550
Country: U.S.

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
KREZ-TV	D15	DT	LIC	DURANGO, CO	BLCDT20030324ADD	262.5 km
KTEL-CD	D15	DC	LIC	ALBUQUERQUE, NM	BLDTL20141007ACM	0.3
KTSM-TV	D16	DT	LIC	EL PASO, TX	BLANK0000001605	378.6
KPTB-DT	D16	DT	LIC	LUBBOCK, TX	BLCDT20090210AFA	462.8
KAZQ	D17	DT	LIC	ALBUQUERQUE, NM	BLEDT20051012ACK	0.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D16
Latitude: 35 12 41.10 N (NAD83)
Longitude: 106 26 58.00 W
Height AMSL: 3274.0 m
HAAT: 1255.0 m
Peak ERP: 176 kW
Antenna: DIE-TFU-14ETT-VP-R-P230 0.0 deg

38.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	47.8 kW	1162.3 m	115.2 km
45.0	176	1225.4	131.4
90.0	47.8	1129.8	114.4
135.0	49.3	932.3	109.6
180.0	47.8	1020.7	111.6
225.0	175	1514.8	140.0
270.0	47.8	1583.2	127.2
315.0	49.3	1474.3	124.4

ERP exceeds maximum
ERP: 176 kW ERP maximum: 92.1 kW

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1532.6 km

Distance to Mexican border: 381.0 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 216.7 degrees Distance: 508.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 10.6 degrees Distance: 555.4 km

No land mobile station failures found

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 BLCDT20030324ADD LIC, scenario 1

Proposal causes no interference.

Interference to BLDLTL20141007ACM LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTEL-CD	D15	DC	LIC	ALBUQUERQUE, NM	BLDTL20141007ACM	
Undesireds:	KLUZ-TV	D16	DT	BL	ALBUQUERQUE, NM	DTVBL35084	0.3 km
	KLUZ-TV	D16	DT	APP	ALBUQUERQUE, NM	KLUZ 176 KW	0.3
	KREZ-TV	D15	DT	LIC	DURANGO, CO	BLCDT20030324ADD	262.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
15174.1	1,023,353	14238.6	1,013,462	13862.4	1,010,148	13782.6 1,006,553	0.58 0.36
Undesired		Total IX		Unique IX, before		Unique IX, after	
KLUZ-TV D16 DT BL		376.2	3,314	376.2	3,314		
KLUZ-TV D16 DT APP		456.0	6,909			456.0 6,909	

Interference to BLANK0000001605 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTSM-TV	D16	DT	LIC	EL PASO, TX	BLANK0000001605	
Undesireds:	KLUZ-TV	D16	DT	BL	ALBUQUERQUE, NM	DTVBL35084	378.6 km
	KLUZ-TV	D16	DT	APP	ALBUQUERQUE, NM	KLUZ 176 KW	378.6
	KFOX-TV	D15	DT	LIC	EL PASO, TX	BLCDT20051103AAE	1.2
	KVIA-TV	D17	DT	LIC	EL PASO, TX	BLCDT20140828ACL	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
20658.8	1,015,348	19282.2	1,011,264	19048.1	1,011,249	19044.1 1,011,249	0.02 0.00
14002.8	1,343,235	13138.2	1,343,231	13110.3	1,343,228	13110.3 1,343,228	0.00 0.00 (in
Mexico)							
Undesired		Total IX		Unique IX, before		Unique IX, after	
KLUZ-TV D16 DT BL		0.0	0	0.0	0		
KLUZ-TV D16 DT APP		4.0	0			4.0 0	
KFOX-TV D15 DT LIC		234.1	15	234.1	15	234.1 15	
KFOX-TV D15 DT LIC		27.9	3	27.9	3	27.9 3	(in Mexico)

Interference to BLANK0000001605 LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTSM-TV	D16	DT	LIC	EL PASO, TX	BLANK0000001605	
Undesireds:	KLUZ-TV	D16	DT	BL	ALBUQUERQUE, NM	DTVBL35084	378.6 km
	KLUZ-TV	D16	DT	APP	ALBUQUERQUE, NM	KLUZ 176 KW	378.6
	KFOX-TV	D15	DT	LIC	EL PASO, TX	BLCDT20051103AAE	1.2
	KVIA-TV	D17	DT	APP	EL PASO, TX	BMPCDT20120914ABB	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
20658.8	1,015,348	19282.2	1,011,264	19048.1	1,011,249	19044.1 1,011,249	0.02 0.00
14002.8	1,343,235	13138.2	1,343,231	13110.3	1,343,228	13110.3 1,343,228	0.00 0.00 (in
Mexico)							
Undesired		Total IX		Unique IX, before		Unique IX, after	
KLUZ-TV D16 DT BL		0.0	0	0.0	0		
KLUZ-TV D16 DT APP		4.0	0			4.0 0	
KFOX-TV D15 DT LIC		234.1	15	234.1	15	234.1 15	
KFOX-TV D15 DT LIC		27.9	3	27.9	3	27.9 3	(in Mexico)

Interference to BLCDT20090210AFA LIC, scenario 1

Proposal causes no interference.

Interference to BLCDT20090210AFA LIC, scenario 2

Proposal causes no interference.

Interference to BLEDT20051012ACK LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KAZQ	D17	DT	LIC	ALBUQUERQUE, NM	BLEDT20051012ACK	
Undesireds:	KLUZ-TV	D16	DT	BL	ALBUQUERQUE, NM	DTVBL35084	0.3 km
	KLUZ-TV	D16	DT	APP	ALBUQUERQUE, NM	KLUZ 176 KW	0.3

KVIA-TV	D17	DT	LIC	EL PASO, TX	BLCDT20140828ACL	378.9			
Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX			
38908.1	1,097,010	34311.1	1,084,327	34055.0	1,083,543	34063.0	1,083,567	-0.02	-0.00
Undesired	Total IX		Unique IX, before		Unique IX, after				
KLUZ-TV D16 DT BL	248.1	784	248.1	784					
KLUZ-TV D16 DT APP	240.1	760			240.1	760			
KVIA-TV D17 DT LIC	8.0	0	8.0	0	8.0	0			

Interference to BLEDT20051012ACK LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KAZQ	D17	DT	LIC	ALBUQUERQUE, NM	BLEDT20051012ACK	
Undesireds:	KLUZ-TV	D16	DT	BL	ALBUQUERQUE, NM	DTVBL35084	0.3 km
	KLUZ-TV	D16	DT	APP	ALBUQUERQUE, NM	KLUZ 176 KW	0.3
	KVIA-TV	D17	DT	APP	EL PASO, TX	BMPCDT20120914ABB	378.9

Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX			
38908.1	1,097,010	34311.1	1,084,327	34051.0	1,083,543	34059.0	1,083,567	-0.02	-0.00
Undesired	Total IX		Unique IX, before		Unique IX, after				
KLUZ-TV D16 DT BL	248.1	784	248.1	784					
KLUZ-TV D16 DT APP	240.1	760			240.1	760			
KVIA-TV D17 DT APP	12.0	0	12.0	0	12.0	0			

Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KLUZ-TV	D16	DT	APP	ALBUQUERQUE, NM	KLUZ 176 KW	
Undesireds:	KTEL-CD	D15	DC	LIC	ALBUQUERQUE, NM	BLDTL20141007ACM	0.3 km
	KTSM-TV	D16	DT	LIC	EL PASO, TX	BLANK0000001605	378.6
	KAZQ	D17	DT	LIC	ALBUQUERQUE, NM	BLEDT20051012ACK	0.3

Service area	Terrain-limited		IX-free		Percent IX		
46885.3	1,135,838	41443.4	1,098,951	41226.8	1,095,191	0.52	0.34
Undesired	Total IX		Unique IX		Prcnt Unique IX		
KTEL-CD D15 DC LIC	176.7	3,745	88.4	2,990	0.21	0.27	
KTSM-TV D16 DT LIC	24.0	0	24.0	0	0.06	0.00	
KAZQ D17 DT LIC	104.3	770	16.0	15	0.04	0.00	