

tvstudy v2.2.5 (4uoc83)
 Database: localhost, Study: K42EY_700W #1186, Model: Longley-
 Rice
 Start: 2018.07.20 17:08:33

Study created: 2018.07.20 17:08:33

Study build station data: LMS TV 2018-07-16

Proposal: K42EY-D D30 LD APP ALAMOGORDO, NM
 File number: K42EY_700W
 Facility ID: 55523
 Station data: User record
 Record ID: 423
 Country: U.S.

Search options:
 Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State
	File Number			Distance	
No	K28HB	N28+	TX	LIC	ALAMOGORDO, NM
	BLTTL20010801ALG			7.5 km	
Yes	KAPT-LP	N29-	TX	LIC	ALAMOGORDO, NM
	BLTTL19911205JF			6.3	
No	K29FM-D	D29	LD	LIC	ARTESIA, NM
	BLDTT20071205ADC			140.4	
No	K49GV-D	D29	LD	APP	DEMING, NM
	BLANK0000053177			174.3	
No	KUPT	D29	DT	LIC	HOBBS, NM
	BLCDT20081125ADR			265.4	
No	KWBQ	D29	DT	LIC	SANTA FE, NM
	BLANK0000004459			264.6	
No	K29LC-D	D29	LD	LIC	TRUTH OR CONSEQUENCE, NM
	BLDTT20131022ANI			129.8	
No	K30MT-D	D30	LD	CP	BOWIE, AZ
	BNPDTL20100504AMQ			338.2	
No	KUAT-TV	D30	DT	LIC	TUCSON, AZ
	BLEDT20040727ABR			450.5	
No	K30GM-D	D30	LD	LIC	CAPITAN/RUIDOSO, NM
	BLDTT20111229AAS			60.7	
No	K30KV-D	D30	LD	LIC	CROWNPOINT, NM
	BLDTT20110927AGJ			372.7	
No	KLCP-LP	N30	TX	LIC	LAS CRUCES, NM
	BLTTL19990419JD			93.4	
No	K43FI-D	D30	LD	CP	LAS VEGAS, NM
	BLANK0000040235			309.8	
No	KWPL-LD	D30	LD	APP	SANTA FE, NM
	BLANK0000052470			256.2	
No	K30FP-D	D30	LD	LIC	SANTA ROSA, NM

BLDTT20111110AAV	258.6			
No K30KU-D D30	LD	LIC	SILVER CITY, NM	
BLDTT20110915ABI	215.4			
No K30NW-D D30	LD	CP	SOCORRO, NM	
BNPDTL20100513AER	146.1			
No K30HD-D D30	LD	LIC	TUCUMCARI, NM	
BLDTT20071205ADE	324.8			
No K30LN-D D30	LD	CP	LAMESA, TX	
BNPDTL20100323AIN	375.0			
No KBZO-LD D30	LD	APP	LUBBOCK, TX	
BLANK0000054054	384.8			
No KWWT D30	DT	APP	ODESSA, TX	
BLANK0000036063	353.1			
No KWWT D30	DT	LIC	ODESSA, TX	
BLCDT20090612AJT	353.1			
No K31GJ-D D31	LD	LIC	ALAMOGORDO, NM	
BLDTT20110825ACB	6.4			
No K31DR D31	LD	LIC	CABALLO, NM	
BLANK0000004964	121.0			
No K31DR N31	TX	LIC	CABALLO, NM	
BLTT20041021AEZ	121.0			
No K31KB-D D31	LD	LIC	DEMING, NM	
BLDTT20090709AKL	174.2			
No K31GS-D D31	LD	LIC	ROSWELL, NM	
BLDTT20060111AAR	156.0			
No K31MW-D D31	LD	LIC	RUIDOSO, NM	
BLANK0000013232	60.7			
No K34CR N34	TX	LIC	ALAMOGORDO, ETC., NM	
BLTT19890703IB	6.3			

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Mask: Full Service
Latitude: 32 52 21.60 N (NAD83)
Longitude: 105 55 55.10 W
Height AMSL: 1459.8 m
HAAT: 0.0 m
Peak ERP: 0.700 kW
Antenna: SCA-ODD990528JD (ID 101599) 20.0 deg
Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.062 kW	-2.9 m	8.8 km
45.0	0.006	-511.5	4.9
90.0	0.003	-967.1	4.3
135.0	0.002	-835.9	3.8

180.0	0.003	115.2	8.3
225.0	0.006	205.3	12.4
270.0	0.141	189.1	26.0
315.0	0.337	145.1	27.8

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: -208 m

Distance to Canadian border: 1792.5 km

**Proposal is within coordination distance of Mexican border
 Distance to Mexican border: 132.5 km

Conditions at FCC monitoring station: Douglas AZ
 Bearing: 247.5 degrees Distance: 381.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 4.1 degrees Distance: 807.6 km

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%

 Interference to BLTTL19911205JF LIC scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	KAPT-LP	N29-	TX	LIC	ALAMOGORDO, NM
BLTTL19911205JF					
Undesireds:	K42EY-D	D30	LD	APP	ALAMOGORDO, NM
K42EY_700W			6.3 km		
	K28HB	D28+	LD	CP	ALAMOGORDO, NM
BLANK0000054865			0.0		
	KWBQ	D29	DT	LIC	SANTA FE, NM
BLANK0000004459			270.0		

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
745.3	41,007	656.3
655.3	39,294	40,041
	0.15	1.87

Undesired	Total IX	Unique IX, before
Unique IX, after		

K42EY-D D30 LD APP	1.0	747		
1.0	747			
K28HB D28+ LD CP	1.0	0	0.0	0
0.0	0			
KWBQ D29 DT LIC	12.0	144	11.0	144
11.0	144			

Interference to BLTTTL19911205JF LIC scenario 2

File Number	Call	Chan	Svc	Status	City, State
Desired:	KAPT-LP	N29-	TX	LIC	ALAMOGORDO, NM
BLTTTL19911205JF					
Undesireds:	K42EY-D	D30	LD	APP	ALAMOGORDO, NM
K42EY_700W			6.3 km		
	KWBQ	D29	DT	LIC	SANTA FE, NM
BLANK0000004459			270.0		

Service area	Terrain-limited	IX-free, before
IX-free, after	Percent New IX	
745.3	41,007	668.3
655.3	39,294	40,185
	0.15	1.87

Undesired	Total IX	Unique IX, before
Unique IX, after		
K42EY-D D30 LD APP	1.0	747
1.0	747	
KWBQ D29 DT LIC	12.0	144
12.0	144	12.0
		144

Interference to proposal scenario 1

File Number	Call	Chan	Svc	Status	City, State
Desired:	K42EY-D	D30	LD	APP	ALAMOGORDO, NM
K42EY_700W					
Undesireds:	K31DR	D31	LD	LIC	CABALLO, NM
BLANK0000004964			121.0 km		

Service area	Terrain-limited	IX-free
Percent IX		
793.8	44,236	792.8
0.00	0.00	44,236