

K21KJ-D CH 11 FI 182493

MINOR MODIFICATION: CHANGE TOWER TO ASR 1211888, NO NEW CONSTRUCTION, CONTROLLED ACCESS SITE.
APPLICANT WILL COOPERATE WITH OTHER USERS AS NECESSARY.

STUDY RUN WITH:

Study cell size: 1.00 km

Profile point spacing: 0.50 km

Study created: 2024.05.17 12:24:40

Study build station data: LMS TV 2024-04-25

Proposal: K21KJ-D D11 LD CP MINERAL WELLS, TX
File number: Ch 11 ASR 1211888 @290
Facility ID: 182493
Station data: User record
Record ID: 641
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
Yes	KHPK-LD	D10	LD	LIC	DE SOTO, TX	BLANK0000029265	51.4 km
No	KWTX-TV	D10	DT	LIC	WACO, TX	BLCDT20110822AEA	153.6
Yes	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	203.2
No	KOED-TV	D11	DT	LIC	TULSA, OK	BLEDT20120419ABK	406.0
No	DDKQUX-LP	D11	LD	APP	AUSTIN, TX	BDFCDVA20090723AEL	265.5
No	KQFW-LD	D11	LD	APP	DALLAS, TX	BLANK0000054275	47.4
Yes	KUVN-CD	D11	DC	LIC	FORT WORTH, TX	BLANK0000092996	37.2
No	KHOU	D11	DT	LIC	HOUSTON, TX	BLANK0000167273	397.1
No	KCBD	D11	DT	LIC	LUBBOCK, TX	BLANK0000010766	414.0
No	K11WJ	D11z	LD	CP	PARIS, TX	BLANK0000151855	203.4
No	K11WJ	D11z	LD	LIC	PARIS, TX	BLANK0000179368	203.4
No	K11WJ	N11	TX	CP	PARIS, TX	BPTVL20120622ADE	207.8
No	K11WJ	N11z	TX	LIC	PARIS, TX	BLTVL20110825ABY	203.4
No	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	281.3
No	KVHC-LD	D11-	LD	LIC	SAN ANTONIO, TX	BLANK0000184930	356.3
No	KVCT	D11	DT	CP	VICTORIA, TX	BPCDT20120105ABP	429.4
No	KVCT	D11	DT	LIC	VICTORIA, TX	BLCDT20120104AAJ	429.4
No	KLCW-TV	D11	DT	APP	WOLFFORTH, TX	BLANK0000235315	414.0
No	K12XA-D	D12-	LD	LIC	ABILENE, TX	BLANK0000153496	102.9
Yes	KJJM-LD	D12	LD	LIC	DALLAS & MESQUITE, TX	BLANK0000187499	39.0
No	KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	162.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D11
Mask: Full Service
Latitude: 32 41 41.60 N (NAD83)
Longitude: 97 30 19.70 W
Height AMSL: 325.3 m
HAAT: 0.0 m
Peak ERP: 0.200 kW
Antenna: Kathrein-750 10085 (ID 1007568) 290.0 deg
Elev Pattnr: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.009 kW	101.0 m	13.4 km
45.0	0.001	120.6	9.4
90.0	0.000	124.4	8.3
135.0	0.000	94.5	7.0

180.0	0.000	79.9	6.5
225.0	0.015	51.4	10.9
270.0	0.155	50.3	19.0
315.0	0.133	47.7	17.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 84 m

Distance to Canadian border: 1629.7 km

Distance to Mexican border: 492.5 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 183.7 degrees Distance: 585.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 322.3 degrees Distance: 1075.0 km

Study cell size: 1.00 km
Profile point spacing: 0.50 km

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

---- Below is IX received by proposal Ch 11 ASR 1211888 @290 ----

Proposal receives 70.11% interference from scenario 1
No IX check failures found.

K21KJ-D

BLDTL-20140612AAS
Latitude: 32-44-21 N
Longitude: 097-48-00 W
ERP: 15.00 kW
Channel: 21
Frequency: 515.0 MHz
AMSL Height: 437.3 m
Elevation: 338.3 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.75
Prop Model: Longley-Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 90.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

Line of Sight

