

K29NW-D

0000179572

Latitude: 32-02-01 N

Longitude: 102-04-00 W

ERP: 0.10 kW

Channel: 29+

Frequency: 563.5 MHz

AMSL Height: 854.0 m

Elevation: 848.0 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


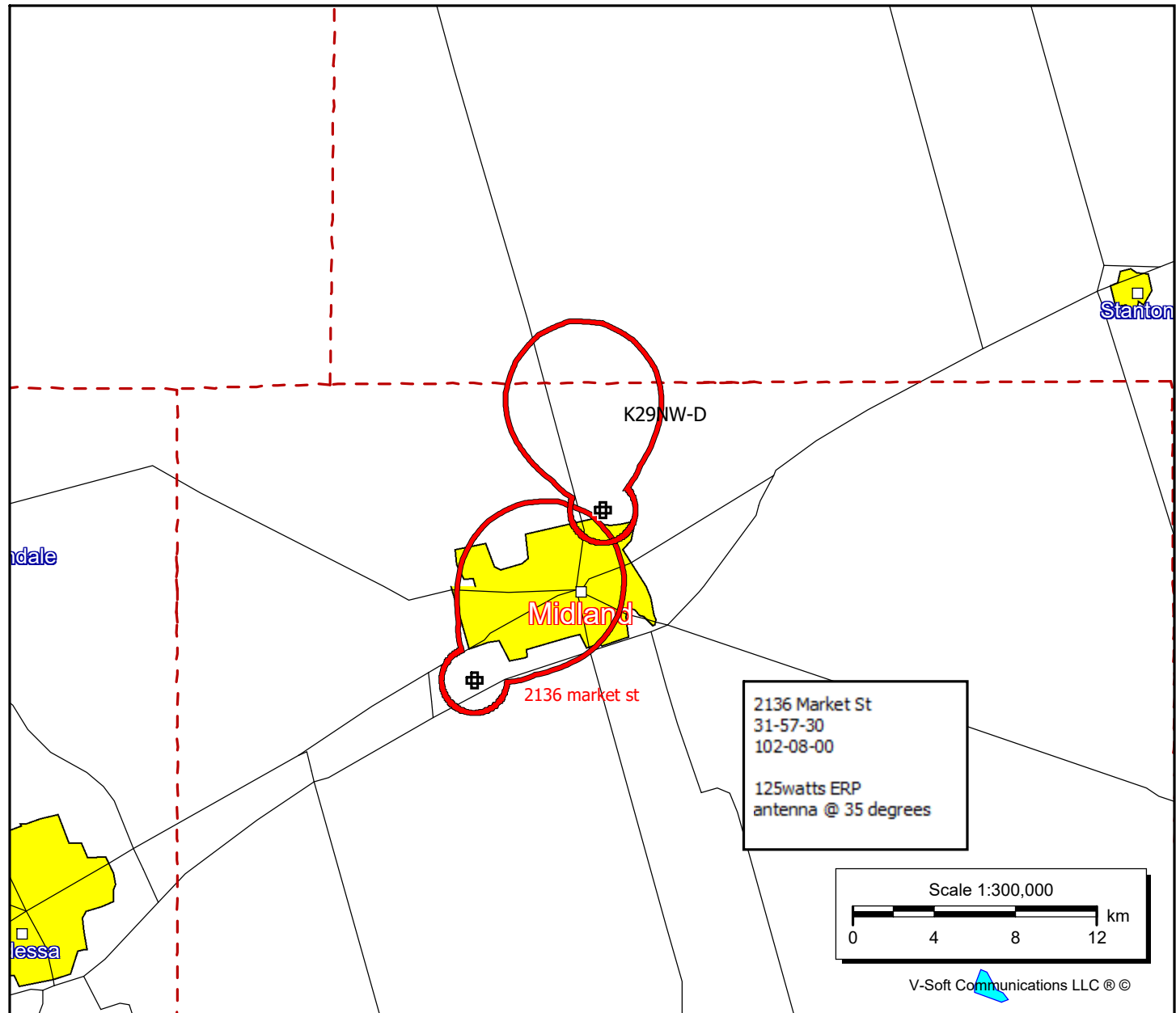
Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

 Line of Sight

Minor Modification: Applicant has been unable to negotiate a reasonable long term lease at the licensed site. This station needs to vacate the current site and make an immediate change of location.

Study created: 2024.01.04 15:27:01

Study build station data: LMS TV 2024-01-02

Proposal: K29NW-D D29+ LD LIC MIDLAND, TX
File number: crown site 2136 MARKET ST
Facility ID: 127750
Station data: User record
Record ID: 263
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	K21GU-D	N21z	TX	LIC	MIDLAND, TX	BLTTL20061107AEL	11.8 km
No	DDKFMP-LP	D28+	LD	APP	LUBBOCK, TX	BLANK0000011027	176.0
No	KPBT-TV	D28	DT	LIC	ODESSA, TX	BLANK0000063946	20.3
No	DKAPT-LP	N29-	TX	APP	ALAMOGORDO, NM	BLTTL19911205JF	365.4
No	K29FM-D	D29	LD	LIC	ARTESIA, NM	BLDTT20071205ADC	236.7
No	K29HB-D	D29	LD	LIC	CLOVIS, NM	BLDTL20091109AAU	293.5
No	KUPT	D29	DT	LIC	HOBBS, NM	BLCDT20081125ADR	124.2
No	KRBC-TV	D29	DT	LIC	ABILENE, TX	BLCDT20070831AAK	241.3
No	K29MZ-D	D29	LD	LIC	CLARENDON, TX	BLANK0000091151	345.8
No	KNKC-LD	D29	LD	LIC	LUBBOCK, TX	BLANK0000125555	175.2
No	K29FR-D	D29	LD	LIC	QUANAH, TX	BLDTT20110118AAN	335.5
No	KENS	D29	DT	LIC	SAN ANTONIO, TX	BLANK0000074877	475.5
No	KTAB-TV	D30	DT	LIC	ABILENE, TX	BLANK0000145912	241.3
No	KBZO-LD	D30	LD	LIC	LUBBOCK, TX	BLANK0000063504	176.0
Yes	KWWT	D30	DT	CP	ODESSA, TX	BLANK0000127640	43.3
No	KWWT	D30	DT	LIC	ODESSA, TX	BLCDT20090612AJT	18.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29+
Mask: Simple
Latitude: 31 57 30.00 N (NAD83)
Longitude: 102 8 0.00 W
Height AMSL: 873.0 m (Adjusted based on actual ground elevation calculation)
HAAT: 847.0 m
Peak ERP: 0.100 kW
Antenna: SCA-CL-1469 (ID 20778) 35.0 deg
Elev Pattn: Generic

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.024 kW	9.7 m	7.0 km
45.0	0.090	22.0	9.6
90.0	0.000	32.4	2.3
135.0	0.000	28.7	2.2
180.0	0.000	16.3	2.2
225.0	0.000	6.5	2.2
270.0	0.000	-13.5	2.2
315.0	0.000	-2.8	2.2

Database HAAT does not agree with computed HAAT
Database HAAT: 847 m Computed HAAT: 12 m

Distance to Canadian border: 1894.1 km

**Proposal is within coordination distance of Mexican border

Distance to Mexican border: 231.7 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 139.7 degrees Distance: 648.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 343.9 degrees Distance: 948.4 km

Study cell size: 1.00 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%

---- Below is IX received by proposal crown site 2136 MARKET ----

Proposal receives 9.47% interference from scenario 1
Proposal receives 8.51% interference from scenario 2
No IX check failures found.