

K25QA-D

0000179567

Latitude: 31-55-06.40 N

Longitude: 102-22-05.90 W

ERP: 0.10 kW

Channel: 25+

Frequency: 539.5 MHz

AMSL Height: 917.3 m

Elevation: 911.3 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


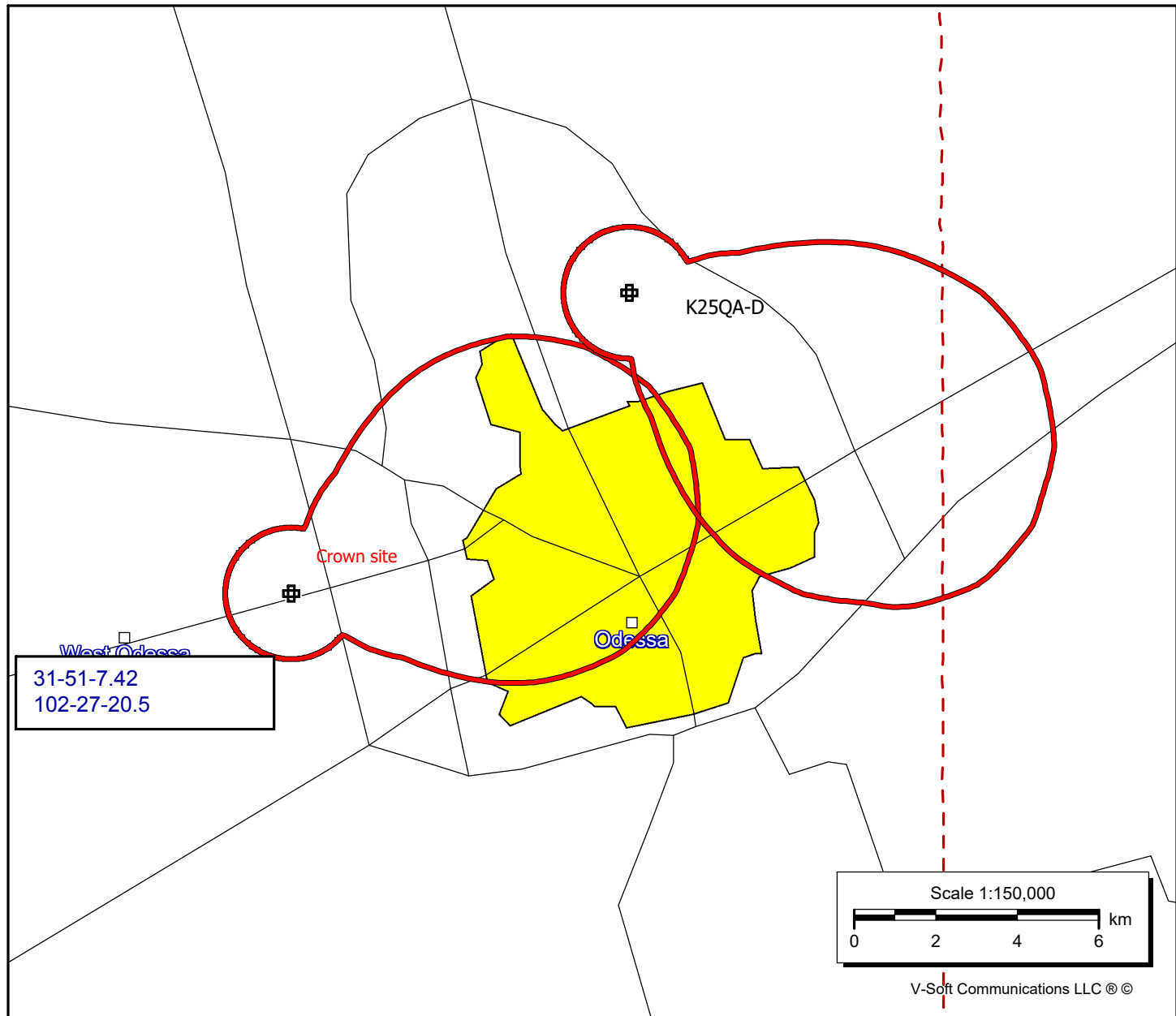
Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

 Line of Sight

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: 2024.01.05 10:52:21

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

Proposal: K25QA-D D25+ LD LIC ODESSA, TX
File number: Crown Site
Facility ID: 127758
Station data: User record
Record ID: 264
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	41.9 km
No	K24MB-D	D24	LD	LIC	HOBBS, NM	BLANK0000063254	122.5
No	KXTQ-CD	D24	DC	LIC	LUBBOCK, TX	BLANK0000063861	191.4
No	KEOO-LD	D24	LD	LIC	MIDLAND, TX	BLANK0000178764	35.3
No	KEOO-LD	D24	LD	CP	MIDLAND, TX	BLANK0000223369	30.5
No	KZSA-LD	D24+	LD	LIC	SAN ANGELO, TX	BLANK0000179309	226.3
No	KZSA-LD	D24	LD	CP	SAN ANGELO, TX	BLANK0000199533	226.3
No	KTEL-TV	D25	DT	LIC	CARLSBAD, NM	BLANK0000151164	175.5
No	K25CQ-D	D25	LD	LIC	CHILDRESS, TX	BLDTT20100708TPX	354.1
No	KINT-TV	D25	DT	LIC	EL PASO, TX	BLCDT20061117ABX	380.4
No	KTTZ-TV	D25	DT	LIC	LUBBOCK, TX	BLANK0000063358	199.4
No	K25CP-D	D25	LD	LIC	TULIA, TX	BLDTT20110425ACD	305.7
No	K26PL-D	D26z	LD	CP	Roswell, NM	BLANK0000159429	178.5
No	KTES-LD	D26	LD	LIC	ABILENE, TX	BLANK0000143282	229.7
No	KLSO-LD	D26	LD	LIC	LUBBOCK, TX	BLANK0000217282	191.4
No	KMID	D26	DT	LIC	MIDLAND, TX	BLCDT20110218AAS	31.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25+
Mask: Simple
Latitude: 31 51 7.42 N (NAD83)
Longitude: 102 27 20.50 W
Height AMSL: 908.0 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 0.100 kW
Antenna: SCA-CL-1469 (ID 20778) 75.0 deg
Elev Pattn: Generic

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-6.9 m	2.3 km
45.0	0.039	3.1	8.0
90.0	0.077	25.1	9.5
135.0	0.000	24.5	2.3
180.0	0.000	-7.3	2.3
225.0	0.000	-16.5	2.3
270.0	0.000	-28.7	2.3
315.0	0.000	-14.4	2.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -3 m

Distance to Canadian border: 1905.9 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 219.6 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 136.8 degrees Distance: 659.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 345.6 degrees Distance: 951.8 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 ----

Proposal receives 44.09% interference from scenario 1
Proposal receives 44.09% interference from scenario 2
No IX check failures found.