

**W34FO-D**

0000179561

Latitude: 33-17-06.20 N

Longitude: 082-35-45.90 W

ERP: 0.20 kW

Channel: 34

Frequency: 593.0 MHz

AMSL Height: 167.8 m

Elevation: 161.8 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

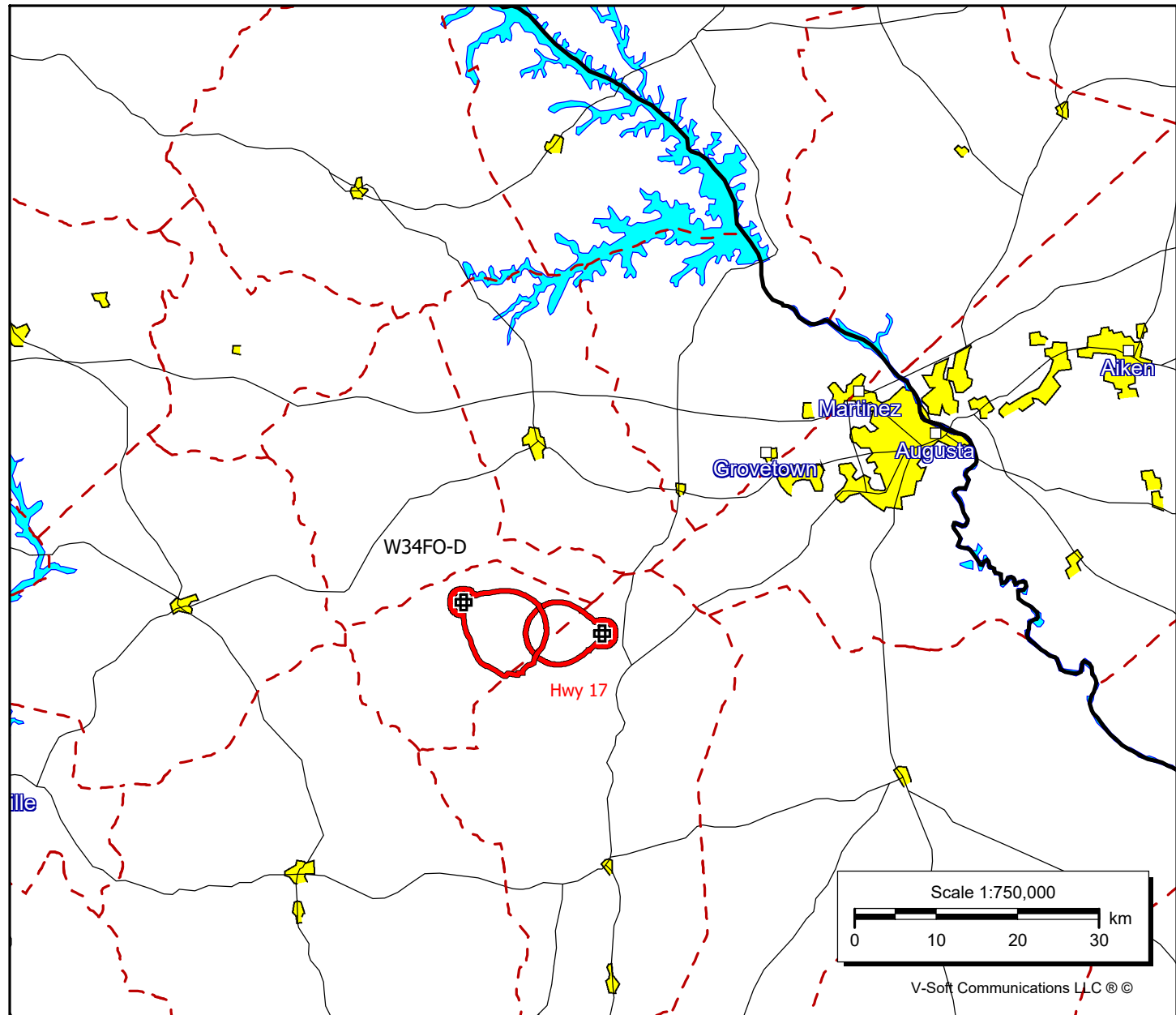
Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast



Line of Sight



Minor Modification: Change of tower location. The Applicant has been unable to negotiate favorable lease terms at the existing site necessitating an immediate change of location.

Study created: 2024.01.03 10:39:08

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

Proposal: W34FO-D D34 LD LIC AUGUSTA, GA  
File number: Crown site  
Facility ID: 183224  
Station data: User record  
Record ID: 69  
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	DWLOW-LP	N19-	TX	APP	BEAUFORT, SC	BLTT20000302AAU	182.7 km
No	W33EU-D	D33	LD	LIC	ATHENS, GA	BLANK0000197450	124.1
No	WIRE-CD	D33	DC	LIC	ATLANTA, GA	BLANK0000130086	188.6
No	W33ER-D	D33	LD	LIC	AUGUSTA, GA	BLANK0000218372	50.6
No	WGNM	D33	DT	LIC	MACON, GA	BLANK0000113679	119.7
No	WDID-LD	D33	LD	LIC	SAVANNAH, GA	BLANK0000106516	164.1
No	W33EV-D	D33	LD	CP	VALDOSTA, GA	BLANK0000217792	228.3
No	WRLK-TV	D33	DT	LIC	COLUMBIA, SC	BLANK0000111852	167.2
No	WNGS-LD	D33	LD	LIC	GREENVILLE, SC	BLANK0000059653	187.8
No	W34EY-D	D34	DC	LIC	HUNTSVILLE, AL	BLANK0000069366	414.0
No	WBIH	D34	DT	LIC	SELMA, AL	BLANK0000110807	420.8
No	WBXJ-CD	D34	DC	LIC	JACKSONVILLE, ETC., FL	BLANK0000108581	340.2
No	W34FW-D	D34	LD	LIC	JASPER, FL	BLANK0000198529	352.4
No	W34FF-D	D34-	LD	APP	PANAMA CITY, FL	BLANK0000234035	422.3
No	WATC-DT	D34	DT	LIC	ATLANTA, GA	BLANK0000107129	209.5
No	WXVK-LD	D34z	LD	LIC	Columbus, GA	BLANK0000115071	266.0
No	WXVK-LD	D34z	LD	CP	Columbus, GA	BLANK0000217326	270.4
No	WXVK-LD	D34z	LD	LIC	Columbus, GA	BLANK0000232628	270.4
No	WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	199.4
No	W34FX-D	D34	LD	LIC	MONTROSE, GA	BLANK0000194505	93.7
No	WPEN-LD	D34	LD	LIC	LUMBERTON, NC	BLANK0000219333	349.0
No	WPEN-LD	D34	LD	LIC	LUMBERTON, NC	BLANK0000121677	349.0
No	WPEN-LD	D34	LD	CP	LUMBERTON, NC	BLANK0000124896	349.0
No	W34FH-D	D34	LD	LIC	MARION, ETC., NC	BLANK0000086808	285.1
No	WYBE-CD	D34	DC	LIC	PINEHURST, NC	BLANK0000080833	347.9
No	WACN-LD	D34z	LD	LIC	RALEIGH, NC	BLANK0000197876	417.6
No	W34EP-D	D34	LD	LIC	SAPPHIRE VALLEY, ETC., NC	BLANK0000119380	207.3
No	W34DX-D	D34	LD	LIC	WEST ASHEVILLE, NC	BLDTT20130530AGK	261.1
No	WIDO-LD	D34	LD	CP	WILMINGTON, NC	BLANK0000224609	369.9
No	WGWG	D34	DT	LIC	CHARLESTON, SC	BLANK0000199719	255.4
No	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	218.4
No	WVLT-TV	D34	DT	LIC	KNOXVILLE, TN	BLANK0000081956	336.1
No	WUVG-DT	D35	LD	LIC	ATHENS, GA	BLANK0000081844	124.1
No	W35DV-D	D35	LD	LIC	AUGUSTA, GA	BLANK0000222336	70.6
No	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	167.4
No	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDT20060627ABT	247.0
No	W35BB-D	D35	LD	LIC	DUBLIN, GA	BLDTL20141230AAP	86.2
No	W35DA-D	D35	LD	CP	MACON, GA	BLANK0000197147	125.7
No	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000190291	155.8
No	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000233414	155.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34  
Mask: Simple  
Latitude: 33 15 2.65 N (NAD83)  
Longitude: 82 24 48.95 W  
Height AMSL: 152.2 m (Adjusted based on actual ground elevation calculation)  
HAAT: 0.0 m  
Peak ERP: 0.200 kW

Antenna: SCA-CL-1469 (ID 20778) 270.0 deg  
Elev Pattn: Generic

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	33.8 m	2.9 km
45.0	0.000	27.3	2.9
90.0	0.000	43.0	2.9
135.0	0.000	36.4	2.9
180.0	0.000	36.9	2.9
225.0	0.010	23.6	5.5
270.0	0.200	11.3	11.4
315.0	0.010	9.6	5.5

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 28 m

Distance to Canadian border: 936.5 km

Distance to Mexican border: 1616.3 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 288.3 degrees    Distance: 224.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 297.2 degrees    Distance: 2164.3 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 2.78% interference from scenario 1  
No IX check failures found.