

Engineering Programs

FL Study - Results

0000219876/ Call Sign: WEAQ-LP

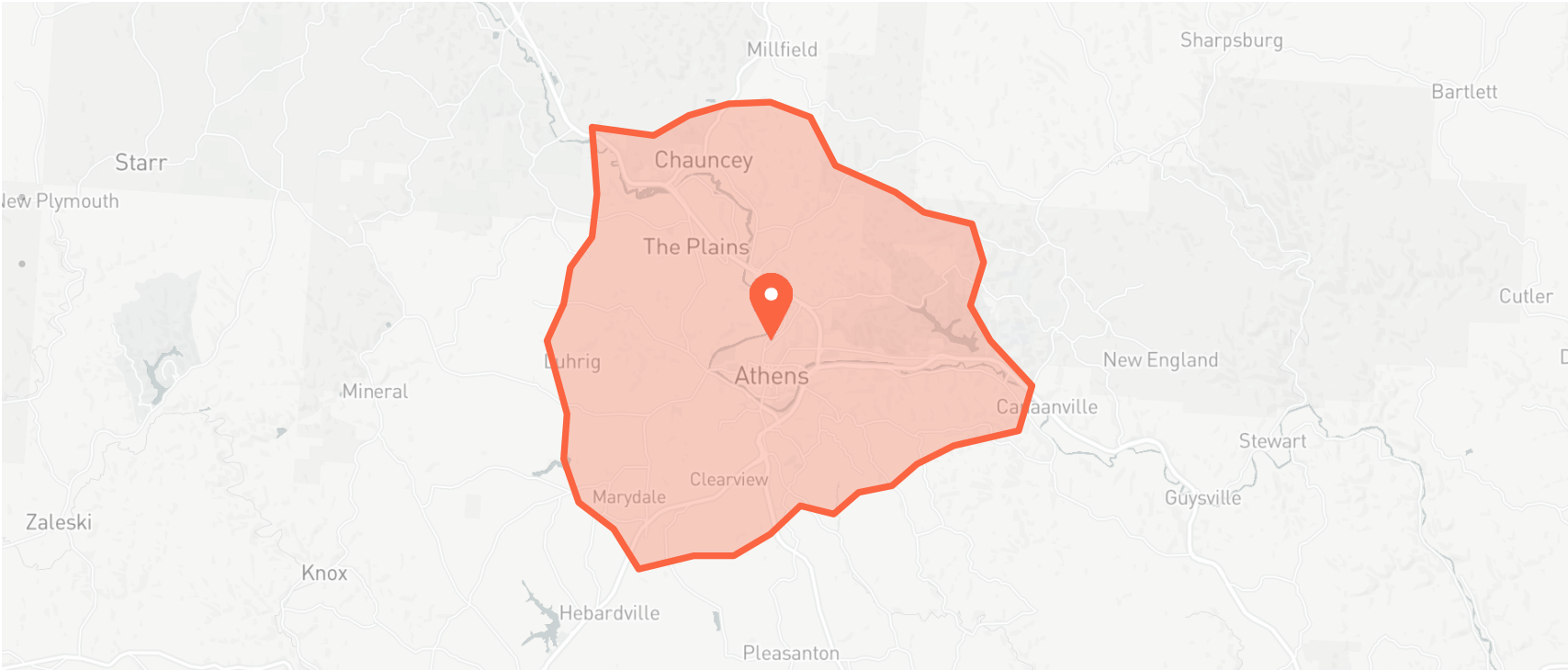
Legend

Application Station

Primary Station

Auxiliary Station

Nearby Station



Station and Contour Data

View		File Number	Call Sign	Service Code	Channel	City	State	Latitude	Longitude	ERP (kw)	HAAT (m)	RCAMSL (m)	Field Strength (dBu)	Curve
		Custom	WEAK-LP	FL -	106.7/294	ATHENS	OH	39° 20' 25.2"N	82° 06' 4.5" W	0.1	57.45	305.0	60	F(50,50)

FL Study Results

▼ Subject Station Comments

Application station contour is within 320km of the Canadian Border.
Average distance to the 60 dBu protected contour is 5.64 km
Proposed ERP 0.1 kW is less than class LP100 minimum 100.0 kW

▼ Short Spacing

File Number	App. Type	Call Sign	Channel	Class	Adjacency	Comm. of License	Actual Spacing (km)	Required Spacing (km)	Action
0000214331	FL - STA	WEAK-LP	106.7/294	LP100	CO-CHANNEL	ATHENS, OH	6.27	24.0	Display Distance
BLL-20050823ACL	FL - L2C	WEAK-LP	106.7/294	LP100	CO-CHANNEL	ATHENS, OH	6.27	24.0	Display Distance

▼ NEPA Results

Sum of Occupational: 1.03
Sum of Public: 5.14
RF (Radiofrequency) measured from the point 2 meters less than the study stations' RCAGL (Radiation Center Above Ground Level) value.

File Number	Call Sign	Service	HERP (kW)	VERP (kW)	Distance (m)	Height (m)	RF Occupational (%)	RF Public (%)	Status	Purpose
0000129575	W260DF	FX	0.028	0.028	0.0	41.0	0.11	0.56	Granted	License To Cover
0000219876	WEAK-LP	FL	0.1	0.1	0.0	27.0	0.92	4.58	Pending	Minor Modification

▼ ASR Results

ASRNumber:	No ASR Data Found
Application Site Elevation:	276
Application Overall Height:	46
Latitude (NAD83):	39° 20' 25.2" N
Longitude (NAD83):	82° 06' 4.5" W

▼ AM Tower Results,
Quiet Zones and
Monitoring Stations

No Interference with FCC Quiet Zones and Stations.

Application 0000204241 (Facility ID 71096) is 0.601 km from WATH, ATHENS, OH, 970, D, AM AA AM License Authorized Non-directional. Condition #110 may be necessary. Application BL-13441 (Facility ID 71096) is 0.601 km from WATH, ATHENS, OH, 970, D, AM L2C AM License Authorized Non-directional. Condition #110 may be necessary.

▼ Antenna Pattern
Result Check

Maximum to minimum ratio:
Maximum rate of change:
Rates exceeding 2.0 db:

Program Inputs

▼ Coordinates and Community

Frequency/Channel: 106.7MHz /Channel294
Station Class: LP100
Latitude (NAD83): 39° 20' 25.2" N
Longitude (NAD83): 82° 06' 4.5" W
State: OH
City: ATHENS

▼ Non-Directional Antenna Data

Antenna Data		
	Horizontal	Vertical
ERP (Maximum Effective Radiated Power)	0.1 kW	0.1 kW
HAAT (Height of Radiation Center Above Average Terrain)	29.996521 m	57.45 m
RCAMSL (Height of Radiation Center Above Mean Sea Level)	305.0 m	305.0 m

▼ Included and Excluded Stations

File Number	Call Sign	Class	Relationship	Channel	City	State	Service	Distance (km)	Status	Latitude	Longitude
0000214331	WEAK-LP	LP100	CO-CHANNEL	294	ATHENS	OH	FL	6.266	GRA	39°18'59.2"N	82°10'1.5"W
BLL-20050823ACL	WEAK-LP	LP100	CO-CHANNEL	294	ATHENS	OH	FL	6.266	GRA	39°18'59.2"N	82°10'1.5"W

