

Engineering Programs

FL Study - Results

BLL-20171026ABW/ Call Sign: WZYE-LP



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
<input checked="" type="checkbox"/>	Custom	WZYE-LP	FL -	95.9/240	MAPLEWOOD	NJ	40° 45' 40.3"N	74° 13' 19.5" W	0.1	48.0	97.0	60	F(50,50)

FL Study Results

▼ Subject Station Comments

Average distance to the 60 dBu protected contour is 7.09 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
0000095246	FX - L2C	W240EE	95.9/240	D	CO-CHANNEL	DOVER, NJ	26.57	39.0	Display Distance
BLL-20180321AAN	FL - L2C	WNJI-LP	95.9/240	LP100	CO-CHANNEL	KEARNEY, NJ	5.18	24.0	Display Distance
BLFT-20170821ABB	FX - L2C	W240CY	95.9/240	D	CO-CHANNEL	MT BETHEL, NJ	28.42	39.0	Display Distance
BMLED-20190222AAE	FM - MOD	WPLJ	95.5/238	B	SECOND	NEW YORK, NY	20.01	67.0	Display Distance
BLH-19940204KG	FM - L2C	WXNY-FM	96.3/242	B	SECOND	NEW YORK, NY	20.01	67.0	Display Distance

▼ NEPA Results

Sum of Occupational: 0.68

Sum of Public: 3.38

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
0000187224	WNJI-LP	FL	0.07	0.07	0.0	41.0	0.28	1.39	Pending	Minor Modification
BLL-20171026ABW	WZYE-LP	FL	0.1	0.1	0.0	41.0	0.4	1.99	Granted	License To Cover

▼ ASR Results

ASRNumber:	No ASR Data Found
Application Site Elevation:	54
Application Overall Height:	45
Latitude (NAD83):	40° 45' 40.3" N
Longitude (NAD83):	74° 13' 19.5" W

**▼ AM Tower Results,
Quiet Zones and
Monitoring Stations**

No Interference with FCC Quiet Zones and Stations.

**▼ Antenna Pattern
Result Check**

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

Program Inputs

Coordinates and Community

Frequency/Channel: 95.9MHz /Channel240
Station Class: LP100
Latitude (NAD83): 40° 45' 40.3" N
Longitude (NAD83): 74° 13' 19.5" W
State: NJ
City: MAPLEWOOD

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)	48 m	
RCAMSL (Height of Radiation Center Above Mean Sea Level)	97 m	0 m

Included and Excluded Stations

File Number	Call Sign	Class	Relationship	Channel	City	State	Service	Distance (km)	Status	Latitude	Longitude
BMLED-20190222AAE	WPLJ	B	SECOND	238	NEW YORK	NY	FM	20.013	GRA	40°44'54.4"N	73°59'8.5"W
BLFT-20170821ABB	W240CY	D	CO-CHANNEL	240	MT BETHEL	NJ	FX	28.419	GRA	40°37'17.4"N	74°30'13.6"W
0000095246	W240EE	D	CO-CHANNEL	240	DOVER	NJ	FX	26.571	GRA	40°51'21.3"N	74°30'40.5"W

File Number	Call Sign	Class	Relationship	Channel	City	State	Service	Distance (km)	Status	Latitude	Longitude
BLL-20180321AAN	WNJI-LP	LP100	CO-CHANNEL	240	KEARNEY	NJ	FL	5.179	GRA	40°46'49.8"N	74°9'58.5"W
BLH-19940204KG	WXNY-FM	B	SECOND	242	NEW YORK	NY	FM	20.014	GRA	40°44'54.3"N	73°59'8.5"W