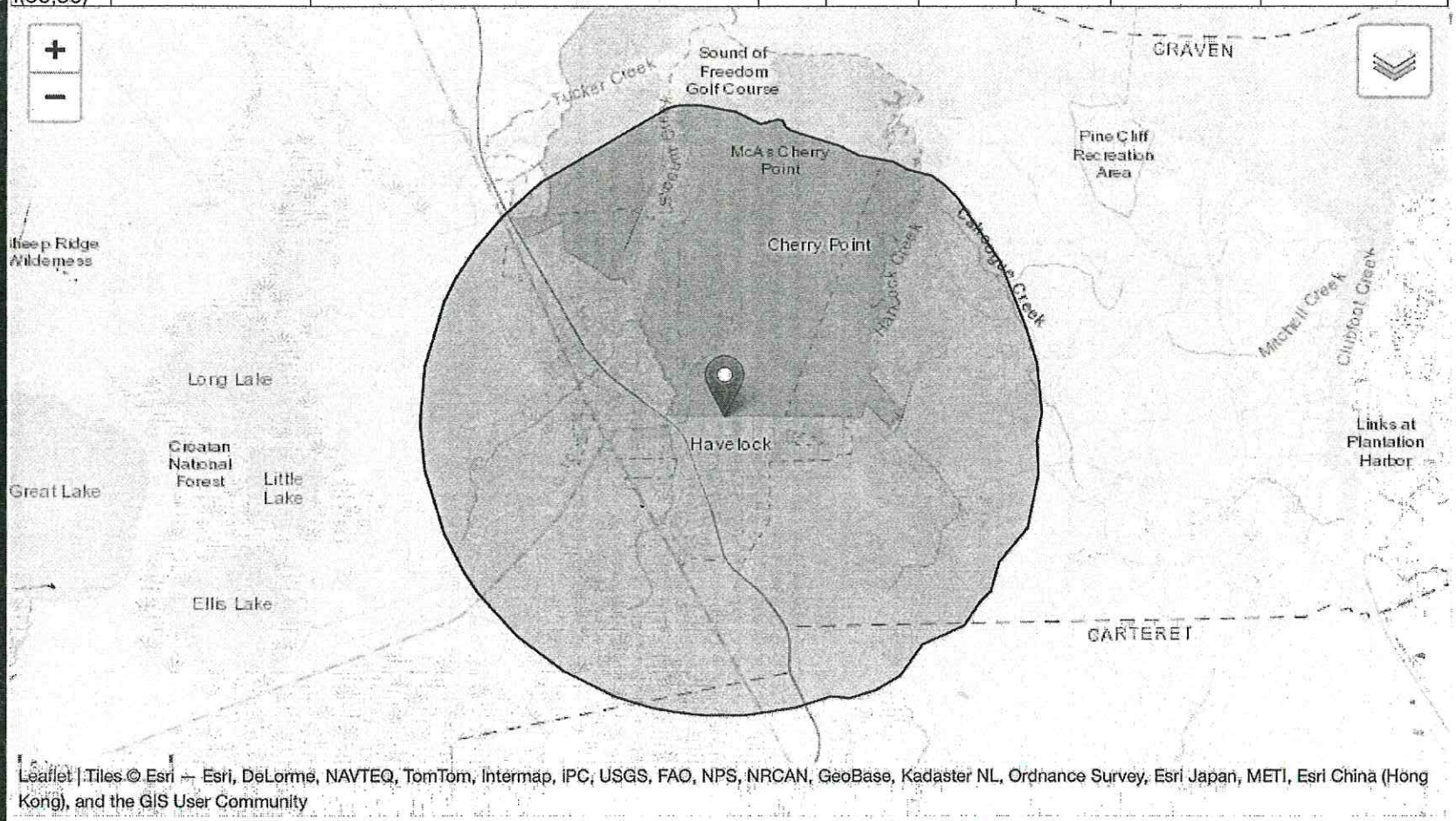
LPFM-116
120W@30m HAAT 28.1m AG

Change Location | Frequency | Elevation, Height | Check | View | kkratoville...

Havelock, NC, US
7.5m elevation
NAD83: 34 52 55.35 N,
76 53 47.26 W

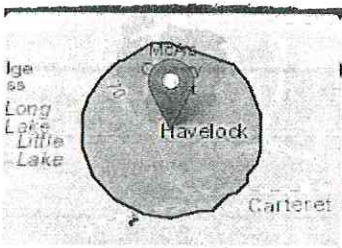
Contour	Census	Population	White	Black	Am. Indian	Asian	Hawaiian/Pacific	Other Race	Multiple Race	Non Hispanic	Hispanic	Male	Female	Incarcerated	Area
60 dBµ f(50,50)	2010	20,412	14,281	3,592	160	584	62	801	932	18,091	2,321	11,237	9,175	81	114



Find Station
advanced find

Version 2.6 , CDBS Version 2021-12-08 04:28:00 , LMS Version 2021-12-09 02:40:32

I | Thanks | Hey



LPFM-116
120W@30m HAAT 28.1m AG

Havelock, NC, US
7.5m elevation
NAD83: 34 52 55.35 N,
76 53 47.26 W

Find Station
advanced find





Version 2.6 , CDBS Version 2021-12-08 04:28:00 , LMS Version 2021-12-09 02:40:32

Change Location | Frequency | Elevation, Height | Check | View | kkratoville...

Details for Frequency 89.9 MHz (210)

Warning! You are reviewing a frequency other than the one currently selected for this station or location search (or no frequency is yet selected). This isn't a problem, but can be confusing. You can select a frequency with the menu **[Frequency->Select]**

Sort-by: Severity | Show: Selected Stations | Apply

Nearby Station	Too Close?	Where	Channel	Clear-Signal Distance (km) FCC Contour	Clear-Signal Distance (km) Longley-Rice	FCC Contour Interference dB In	FCC Contour Interference dB Out
762565.210A.CPAPP.NCECP 762565 Craven County SBA Inc 89.9 MHz 120W@35m NEW BERN, NC, US 0000165535(BNPED-20211102) DIS More from App LMS CDBS REC CMA	Too close by 29.80km	37.2km@318° 67km needed	210	9.7	7.5	-6.0	-7.2
WTEB.207C1.LICEN.MOD 14356 CRAVEN COMMUNITY COLLEGE 89.3 MHz 100kW@147m NEW BERN, NC, US (LMS)BMLED-20111202AFW GRA More from App LMS CDBS REC CMA	Too close by 41.57km	31.4km@323° 73km needed	207	24.9	25.9	-21.3	
WJKA.211C3.LICEN.L2C 87089 AMERICAN FAMILY ASSOCIATION 90.1 MHz 17kW@85.5m JACKSONVILLE, NC, US (LMS)BLED-20080527AEH GRA More from App LMS CDBS REC CMA	Far enough away by 4.5km	71.5km@249° 67km needed	211	8.4	8.6	-4.3	-24.0
WZPE.211A.LICEN.L2C 93744 EDUCATIONAL INFORMATION CORPORATION 90.1 MHz 4.5kW@39m BATH, NC, US (LMS)BLED-20100818ABQ GRA More from App LMS CDBS REC CMA	Far enough away by 10.31km	66.3km@7° 56km needed	211	13.2	16.4	-12.6	-27.0
W210BS.210D.LICEN.L2C 106585 EDUCATIONAL INFORMATION CORPORATION 89.9 MHz 120W@36m NEW BERN, NC, US (LMS)BLFT-20041207ACT GRA More from App LMS CDBS REC CMA	Far enough away by 11.19km	37.2km@319° 26km needed	210	9.7	7.6	-6.0	-7.2

Alternate Format

I | Thanks | Hey

LPFM-116
120W@30m HAAT 28.1m AG

Havelock, NC, US
7.5m elevation
NAD83: 34 52 55.35 N,
76 53 47.26 W

Find Station
advanced find



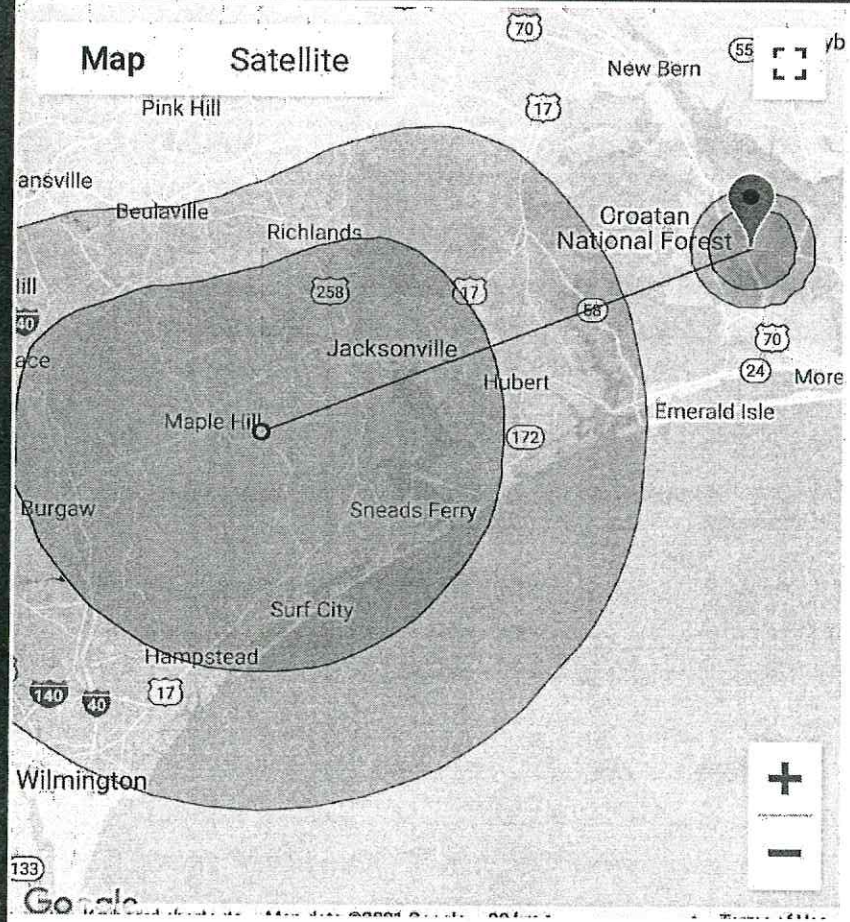


Version 2.6 , CDBS Version 2021-12-08 04:28:00 , LMS Version 2021-12-09 02:40:32

Change Location | **Frequency** | **Elevation, Height** | **Check** | **View** | **kkratoville...**

Relationship with WJKA 90.1 MHz (211)

Warning! You are reviewing the relationship between your antenna location and another station based upon a frequency other than the one currently selected for this antenna location (or no frequency is yet selected). This isn't a problem, but can be confusing. You can select a frequency with the menu **[Frequency->Select]**



Reference Station (LPFM-116)	LPFM-116 120W@30m HAAT ch 34 52 55.93 N, 76 53 46.05 W (NAD27) 34 52 55.35 N, 76 53 47.26 W (NAD83)
Other Station (WJKA)	**WJKA.211C3.LICEN.L2C** 87089 AMERICAN FAMILY ASSOCIATION 90.1 MHz 17kW@85.5m JACKSONVILLE, NC, US (LMS)BLED-20080527AEH GRA More from App LMS CDBS REC CMA
Distance	71.50km @ 249° (67.00 km required)
Clearest Signal Distance (CD)	8.4km (fcc) | 8.6km (LR)

Interference to...	Prohibited Contour overlap, "FM over" method, 0dB means contours touch, positive is overlap
☑ **WJKA (Out)**	-24.0 dB @ 68°
☑ **LPFM-116 (In)**	-4.3 dB @ 250°

WJKA signal strength at LPFM-116	
60 dBµ Protected	41.73 f(50,50) | 40.77 (LR)
54 dBµ Interfering	48.02 f(50,10) | 47.6 (LR)

LPFM-116 signal strength at WJKA

I | Thanks | Hey

LPFM-116
120W@30m HAAT 28.1m AG

Havelock, NC, US
7.5m elevation
NAD83: 34 52 55.35 N,
76 53 47.26 W

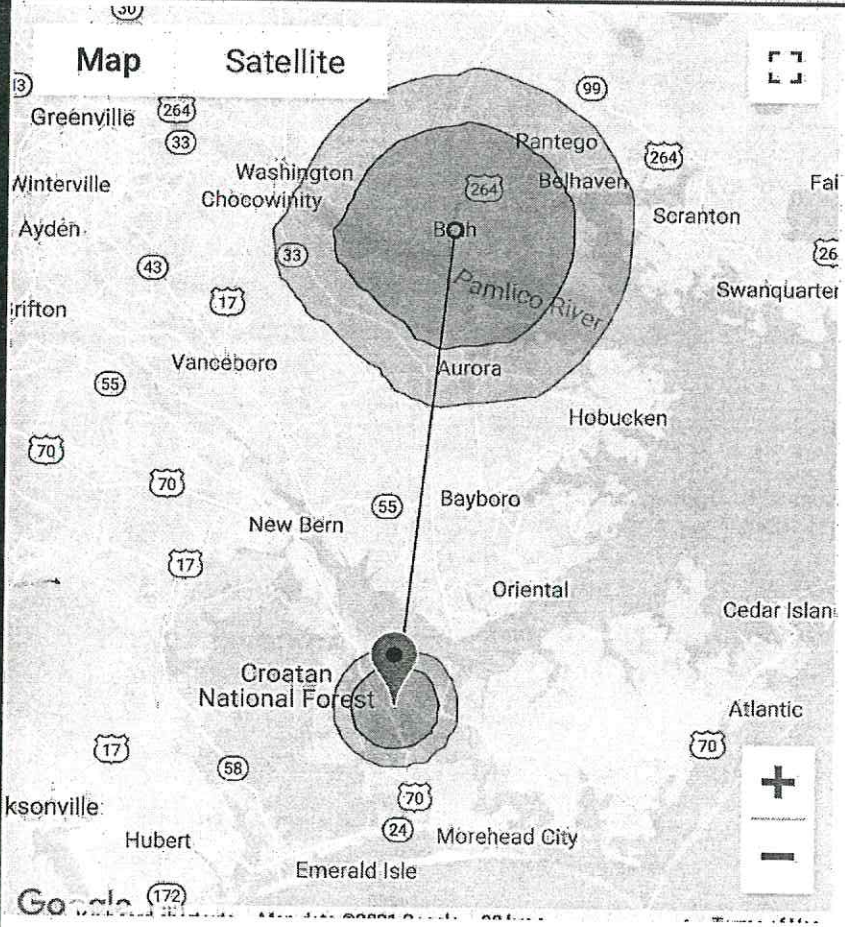
Find Station
advanced find

Version 2.6 , CDBS Version 2021-12-08 04:28:00 , LMS Version 2021-12-09 02:40:32

Change Location | Frequency | Elevation, Height | Check | View | kkratoville...

Relationship with WZPE 90.1 MHz (211)

Warning! You are reviewing the relationship between your antenna location and another station based upon a frequency other than the one currently selected for this antenna location (or no frequency is yet selected). This isn't a problem, but can be confusing. You can select a frequency with the menu **[Frequency->Select]**



Reference Station (LPFM-116)	LPFM-116 120W@30m HAAT ch 34 52 55.93 N, 76 53 46.05 W (NAD27) 34 52 55.35 N, 76 53 47.26 W (NAD83)
Other Station (WZPE)	**WZPE.211A.LICEN.L2C** 93744 EDUCATIONAL INFORMATION CORPORATION 90.1 MHz 4.5kW@39m BATH, NC, US (LMS)BLED-20100818ABQ GRA More from App LMS CDBS REC CMA
Distance	66.31km @ 7° (56.00 km required)
Clearest Signal Distance (CD)	13.2km (fcc) | 16.4km (LR) 1

Interference to...	Prohibited Contour overlap, "FM over" method, 0dB means contours touch, positive is overlap
☑ **WZPE (Out)**	-27.0 dB @ 187°
☑ **LPFM-116 (In)**	-12.6 dB @ 10°

WZPE signal strength at LPFM-116	
60 dBµ Protected	32.42 f(50,50) | 28.99 (LR)
54 dBµ Interfering	40.05 f(50,10) | 36.43 (LR)

LPFM-116 signal strength at WZPE

I | Thanks | Hey

LPFM-116
120W@30m HAAT 28.1m AG

Havelock, NC, US
7.5m elevation
NAD83: 34 52 55.35 N,
76 53 47.26 W

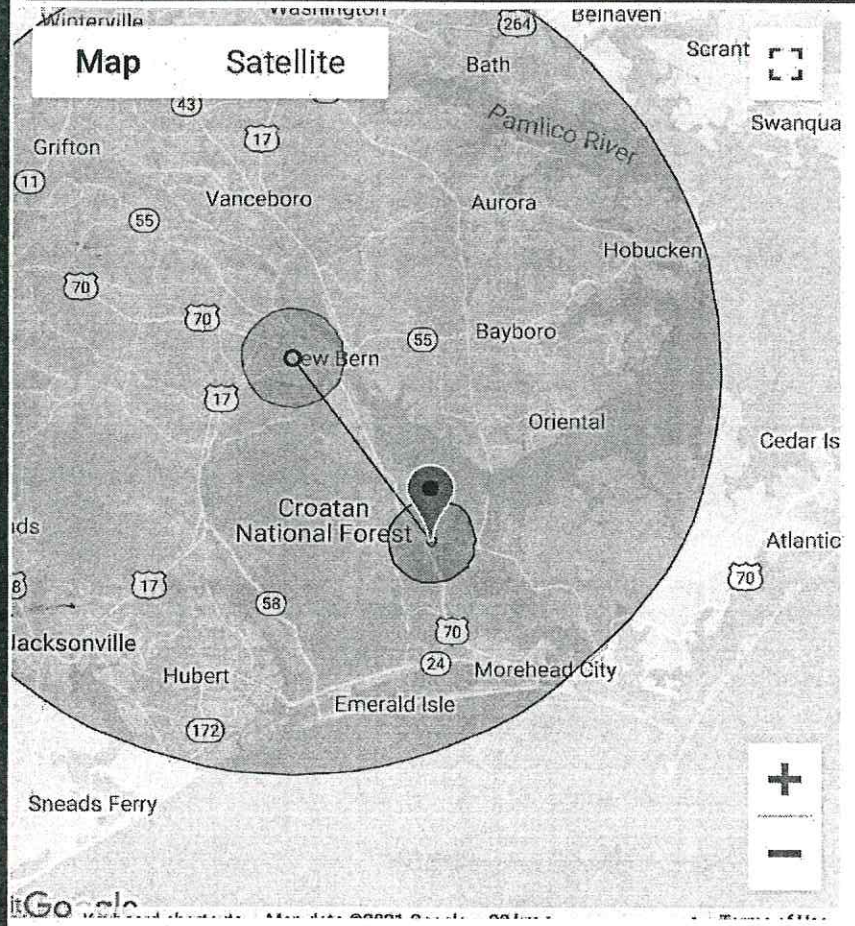
Find Station
advanced find

Version 2.6 , CDBS Version 2021-12-08 04:28:00 , LMS Version 2021-12-09 02:40:32

Change Location ▾ | Frequency ▾ | Elevation, Height | Check ▾ | View ▾ | kkratoville... ▾

Relationship with WTEB 89.3 MHz (207)

Warning! You are reviewing the relationship between your antenna location and another station based upon a frequency other than the one currently selected for this antenna location (or no frequency is yet selected). This isn't a problem, but can be confusing. You can select a frequency with the menu **[Frequency->Select]**



Reference Station (LPFM-116)	LPFM-116 120W@30m HAAT ch 34 52 55.93 N, 76 53 46.05 W (NAD27) 34 52 55.35 N, 76 53 47.26 W (NAD83)
Other Station (WTEB)	**WTEB.207C1.LICEN.MOD** 14356 CRAVEN COMMUNITY COLLEGE 89.3 MHz 100kW@147m NEW BERN, NC, US (LMS)BMLED-20111202AFW GRA More from App LMS CDBS REC CMA
Distance	31.43km @ 323° (73.00 km required)
Clearest Signal Distance (CD)	24.9km (fcc) | 25.9km (LR)
Prohibited Interference Zone (PZ)	161m f(50,50) | 176m (LR)
Interference to...	Prohibited Contour overlap, "FM over" method, 0dB means contours touch, positive is overlap
WTEB (Out)	n/a
LPFM-116 (In)	-21.3 dB @ 999°
	WTEB signal strength at LPFM-116
60 dBµ Protected	73.56 f(50,50) | 72.82 (LR)

I | Thanks | Hey

Reasonable Assurance of Havelock Tower Site

Joshua Crumpler, owner: 252-652-6363

400 Fontana Blvd Havelock, NC 28532

Untitled

ANTENNA / LINE SYSTEM GAINS AND LOSSES
Prepared January 2021
Craven County SBA Inc.
Proposed New Bern, NC Facility

Proposed Effective Radiated Power: 0.12kW
-9.21dBk

Antenna System:

SWR Model FMEC/1 Antenna

Max power gain: 0.441

Line & other Losses:

150 feet LMR-400 Loss: -2.1db

Transmitter Power Output:
.425kW