

FMCommander Contour-to-Contour - HAAT Method= 4 ©V-Soft Communications®								
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HGDC 30 SEC DATA: 10-20-15 - Zone 2								
<div> <div>N. Lat. 34 42 02.0 W. Lng. 79 06 32.0</div> <div>143.9 M COR 4.0 kW</div> <div>Contours are detailed CH 208. 89.5 A</div> <div>Lumberton NC 98.2 M HAAT</div> <div>M</div> <div>wlps-fm.c.vsf Job: 10-20-15</div> </div>								
Call	Type	Ch	Location		Azi	Dist	In	Out
WLPS-FM	CP	208A	Lumberton	NC	0.0	0.00	100.0	100.0
WLPS-FM	LIC-D	208A	Lumberton	NC	0.0	0.00	71.2	82.7
WDFJ	CP-D	206C2	Dillon	SC	282.1	30.94	3.1	0.3
WZRI	LIC-D	207A	Spring Lake	NC	14.3	53.83	5.8	0.5
WZCO	LIC-D	210C2	Chadbourn	NC	116.2	40.78	11.8	6.4
WCPE	LIC	209C	Raleigh	NC	22.3	148.98	6.7	32.2
WTJY	LIC-D	208C2	Asheboro	NC	325.3	124.00	7.2	9.8
WMHK	LIC-D	209C	Columbia	SC	246.6	166.28	15.1	42.7
W208BA	LIC	208D	Myrtle Beach	SC	169.7	110.40	62.9	23.3
WCCE	LIC-D	211C3	Buies Creek	NC	23.8	61.94	33.8	24.9

End of Screen List

WLPS-FM Ch. 208A - Lumberton, NC - FID: 91947

CP BPED-20120629ACS - Expired on 10/19/2015

This application essentially requests a replacement for that CP **with no changes**:
4 kW-Omni H/V at 95.6 m AGL / 143.9 m AMSL / 98.2 m HAAT.

There are no TV 6 facility in the area and thus,
this CP is for both H & V polarization.

The 30" terrain data base used by Mullaney Engineering appears to differ from the data base used to evaluate the potential for contour overlap. Specifically, the FCC analysis showed **an overlap to WZRI Ch. 207A**. The "critical" radial from WLPS is N-17-E and from WZRI is N-188-E. The average terrain along each of these radials was determined from the USGS 7.5' Topographic Data Base (evaluation in feet, between 2-10 miles, elevation spacing 0.1 miles for a total of 81 points).

The WLPS CR.AMSL is 143.9 m AMSL.

On N-17-E the average terrain was determined to be 169' (51.5 m) AMSL.

The resulting HAAT is $143.9 - 51.5 = 92.4$ m on the N-17-E radial.

The WZRI CR.AMSL is 116.0 m AMSL.

On N-188-E the average terrain was determined to be 205' (62.5 m) AMSL.

The resulting HAAT is $116.0 - 62.5 = 53.5$ m on the N-188-E radial.



FIGURE 1 - NCE CONTOUR OVERLAP STUDY from CP Site of WLPS-FM with ERP at 4.0 kW

(replacement CP - no changes)

WLPS-FM - Ch. 208A - Lumberton, NC

Mod of License Facility - October 2015