The Louisiana Council of Amateur Radio Clubs

HAAT CALCULATION

This worksheet may be used to calculate your repeater transmitting antenna's Height Above Terrain (HAAT)

Transmit site (Ground Elevati	ion above Sea L	evel:	_ Feet				
Height of cent	er of Antenna	above the grour	nd:	_ Feet				
Antenna Make	and Model: _							
		_	45° increments, o			ocation. Then p	lot 5 circles at 2	2-, 4-, 6-, 8-,
and 10-mile ra	dii, centered o	nthe transmitte	r location. Deterrible III. See FIGU	mine the grou				
radiais and 5 c	incles, and eno	er these into Ta						
Circle			<u> </u>	TABLE III Rad	Hial			
Radius	0°	45°	90°	135°	180°	225°	270°	315°
2 miles		73	70	133	100	223	270	313
4 miles								
6 miles								
8 miles								
10 miles								
=Feet Now calculate	a Height abov	HAAT - Subtra	act the Average G	=	s Average Grou _Feet on	und Elevation:		
Antenna Heigl	nt above Sea L	evel:	Feet			_		
Minus Averag	e Ground Elev	ation:	Feet					
Equals Antenn	na HAAT:	=	Feet				0 .,	miles
		7)	FIGURE # 1 Not drawn to scale	2)	27(315	8 8 6 n 4 mi	45 mi

WORKSHEET DO NOT RETURN

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