

KDIS-FM, Little Rock, AR
Channel 258A (99.5 MHz)
4.0 kW ERP, 124 m HAAT
March, 2014

Antenna Height Above Average Terrain (HAAT) Calculation

N. Lat. = 344611.0 W. Lng. = 922024.0
HAAT and Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - NGDC 30 SEC

Azi .	AV EL	HAAT	ERP kW	dBk	Fi el d	60-F5
000	99.1	131.9	4.0000	6.02	1.000	29.12
030	124.4	106.6	4.0000	6.02	1.000	26.62
060	101.0	130.0	4.0000	6.02	1.000	28.94
090	79.7	151.3	4.0000	6.02	1.000	31.00
120	81.9	149.1	4.0000	6.02	1.000	30.78
150	91.5	139.5	4.0000	6.02	1.000	29.84
180	88.6	142.4	4.0000	6.02	1.000	30.13
210	99.3	131.7	4.0000	6.02	1.000	29.09
240	138.9	92.1	4.0000	6.02	1.000	24.85
270	160.8	70.2	4.0000	6.02	1.000	21.87
300	119.8	111.2	4.0000	6.02	1.000	27.12
330	95.9	135.1	4.0000	6.02	1.000	29.42

Ave EI = 106.75 M HAAT= 124.25 M AMSL= 231

Equivalent Class A Equivalent Effective Radiated Power (ERP) Calculation

Proposed ERP = 4.0 kW

Proposed antenna HAAT = 124 meters

Maximum Class A Reference Contour Distance = 28 km*

* pursuant to 47 C.F.R. §73.212(b)(1)

Reference Distance to 1 mV/m (60 dBu) Contour = 28 km**

** rounded to the nearest meter pursuant to 47 C.F.R. §73.212(b)(1)(i)