

NEW ALA1530
Manufactured after August 2011
 Equivalent Electric Field (Far Field)
 Antenna Factor

Freq. Hz	A. F. dB		Freq. Hz	A. F. dB
20k	44.7		1.2M	5.3
30k	36.1		1.5M	5.1
40k	30.7		2.0M	4.5
50k	26.9		3.0M	4.5
			4.0M	4.0
60k	22.6		5.0M	3.5
			6.0M	3.2
70k	21.5		7.0M	3.1
80k	19.8		8.0M	2.8
90k	18.6		9.0M	2.6
100k	17.7		10.0M	2.4
120k	16.1		12.0M	2.2
150k	14.7		14.0M	2.0
180k	12.8		16.0M	1.6
200k	11.8		18.0M	1.3
220k	11.2		20.0M	0.8
300k	9.0		22.0M	0.7
400k	7.7		24.0M	0.6
500k	6.8		25.0M	0.5
600k	6.3		26.0M	0.9
700k	5.8		27.0M	1.5
800k	5.6		28.0M	1.9
900k	5.4		29.0M	2.6
1.0M	5.4		30.0M	3.3

Values in **Bold** are interpolated due to Broadcast Transmissions

Adding the above Antenna Factor to receiver indication converts dBuV to dBuV/m

Receiver indication assumes the antenna driving into a 50 Ohm system.

For example, if the receiver indication at 300kHz was 90dBuV the Field strength is 99dBuV/m

The lower the A.F. the more sensitive the antenna.

Note. The above A. F. does not take ground reflection into consideration.

The above Data was sourced from a UKAS Laboratory Calibration report for ALA1530-N003.

With LF data <150kHz revised for loops manufactured after August 2011.