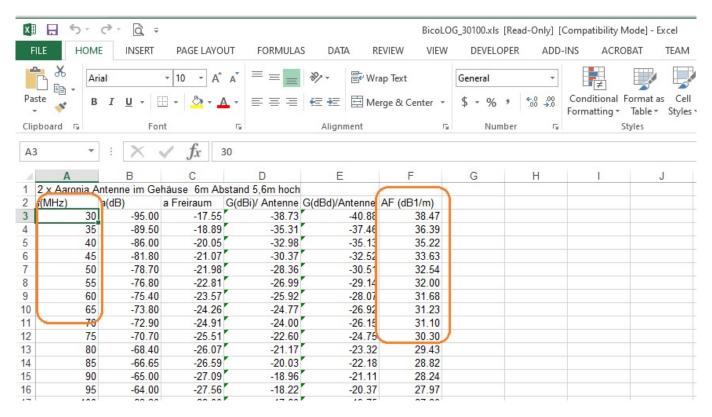


Which values do I enter for antenna correction factors on my spectrum analyzer?

December 27, 2019

If you have an antenna with calibration data, chances are it includes a number of columns of data. One column should be the frequency being tested. The others can include free-range performance, gain, and more.

Here is an example of antenna correction data from a German antenna manufacturer:



The most useful entry is the AF, or antenna factor data. This data has positive values and typically has units of dB/m (decibels per meter) and can be directly entered into a spectrum analyzers correction table. This data mathematically corrects the incoming data and "removes" the antenna characteristics from the measurement.



North American Headquarters

SIGLENT Technologies America, Inc 6557 Cochran Rd Solon, Ohio 44139

Tel: 440-398-5800 Toll Free:877-515-5551 Fax: 440-399-1211 info@siglent.com

www.siglentamerica.com/

European Sales Offices

SIGLENT TECHNOLOGIES EUROPE GmbH Staetzlinger Str. 70 86165 Augsburg, Germany Tel: +49(0)-821-666 0 111 0

Fax: +49(0)-821-666 0 111 22

info-eu@siglent.com www.siglenteu.com

Asian Headquarters

SIGLENT TECHNOLOGIES CO., LTD.
Blog No.4 & No.5, Antongda Industrial Zone,
3rd Liuxian Road, Bao'an District,
Shenzhen, 518101, China.
Tel:+ 86 755 3661 5186
Fax:+ 86 755 3359 1582

sales@siglent.com
www.siglent.com/ens