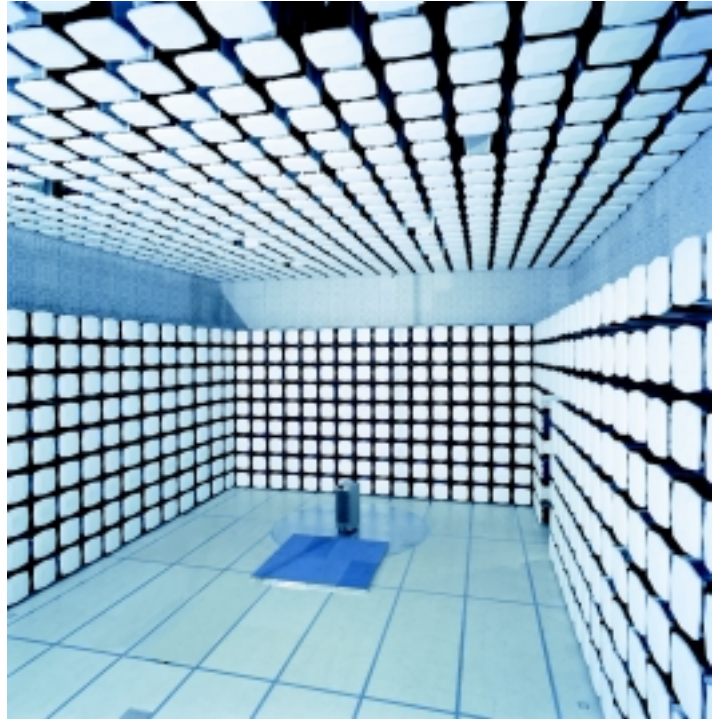


Features

- **Superior EMC Chamber Performance in Broadband Frequency Range of 30 MHz to 18 GHz within ± 3 dB NSA deviation**
- **Broadband Matching Network Technology Maximizes RF Performance***
- **Closed Cell Construction**
 - **Rigid Mechanical Structure**
 - **Waterproof**
- **Fire Retardant**
 - **NRL 8093**
 - **UL 94**
 - **DIN 4102-B2**
- **Warranty**
 - **5 Year Chamber Performance**
 - **25 Year Mechanical Integrity**



10 m EMC Chamber Featuring ETS-Lindgren's FerroSorb™ PS-1250 Anechoic Absorber with ± 3 dB NSA Deviation

FerroSorb™ PS is the latest evolution of ETS-Lindgren's low profile, hybrid anechoic absorber technology. It combines proven FerroSorb performance with rigid, closed cell construction.

Most traditional absorbers attenuate electromagnetic energy using a substrate that has been volumetrically loaded with lossy material. New FerroSorb PS takes a different approach by using lossy films to form a broadband matching network. The network provides a smooth transition from free space impedance to the lossy ferrite tile base. As a result, more of the RF energy enters the ferrite tile where it can be effectively absorbed. FerroSorb PS was designed using the latest in numerical modeling software to optimize its broadband performance.

FerroSorb PS is manufactured by printing lossy film on the surface of

molded substrate materials in predetermined geometric shapes to produce the desired performance. The printing process is rigidly controlled with strict in-line quality control over all manufacturing variables. After the lightweight substrates have been printed, they are shipped disassembled to job-sites for reduced shipping volume. Easily assembled at the site, finished absorbers are pressed and glued into a lightweight mounting matrix mounted on the walls and ceiling of the chamber. This method assures absorber rows are aligned with geometric precision.

As a result of ETS-Lindgren's engineering and manufacturing process, FerroSorb PS demonstrates excellent agreement between computed and measured performance. Our unique ability to model absorber performance, then manu-

facture and test the finished product in one of three broadband test facilities, results in absorber with well characterized performance — before the chamber is built.

Using our proprietary chamber modeling tools for designing EMC chambers, excellent agreement has been shown between predicted performance and actual measured NSA data.

In actual field applications, both 3 m and 10 m EMC chambers that were designed with our modeling tools and installed with FerroSorb PS, delivered better than ± 3 dB NSA deviation performance in their large-sized Quiet Zones. For customers, this means achieving optimal performance with minimal project risk.

*Patent Pending

USA
+1.512.531.6400 Phone
+1.512.531.6500 Fax
info@ets-lindgren.com

Europe (Finland)
+358.2.8383.300 Phone
+358.2.8651.233 Fax
info@ets-lindgren.eu.com

UK
+44.(0)1438.730700 Phone
+44.(0)1438.730751 Fax
info@ets-lindgren.co.uk

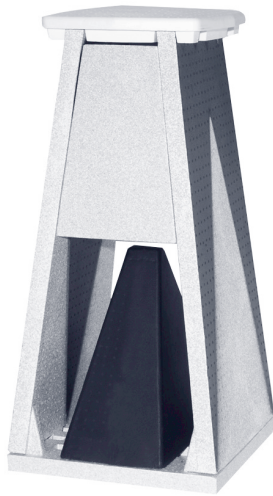
France
+33.1.48.65.34.03 Phone
+33.1.48.65.43.69 Fax
lrp.france@wanadoo.fr

Singapore
+65.6536.7078 Phone
+65.6536.7093 Fax
lrfesin@singnet.com.sg

Japan
+81.3.3813.7100 Phone
+81.3.3813.8068 Fax
info@ets-lindgren.co.jp

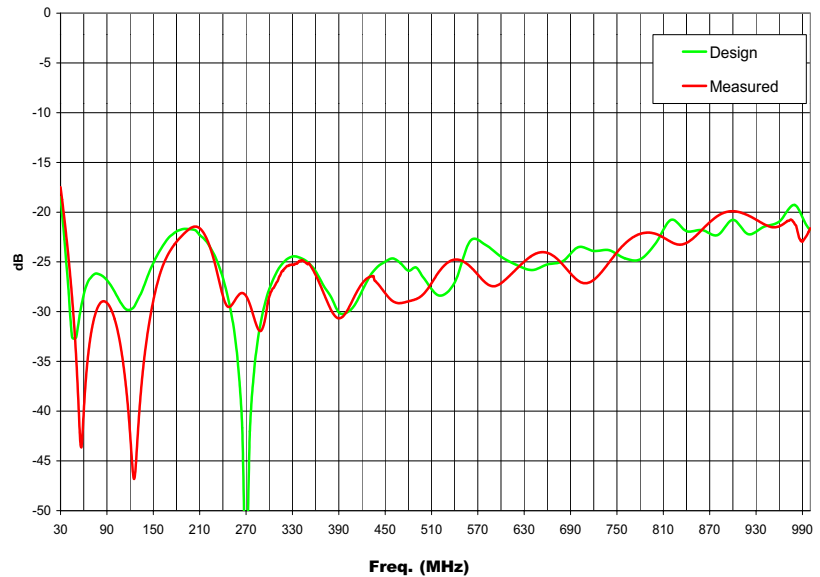
China
+86(0)10.8275.5086 Phone
+86(0)10.8275.5537 Fax
infochina@ets-lindgren.net

FerroSorb PS Performance Charts



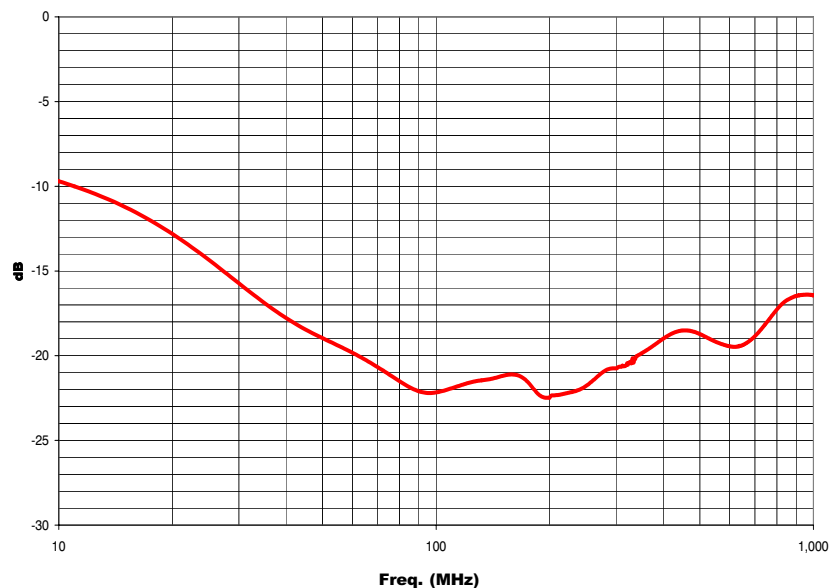
ETS-Lindgren's FerroSorb™ PS-1250
Anechoic Absorber

FerroSorb PS-1250 Design and Measured Reflectivity Performance



ETS-Lindgren's FerroSorb™ PS-600
Anechoic Absorber

Measured FerroSorb PS-600 Reflectivity Performance



USA
+1.512.531.6400 Phone
+1.512.531.6500 Fax
info@ets-lindgren.com

Europe (Finland)
+358.2.8383.300 Phone
+358.2.8651.233 Fax
info@ets-lindgren.eu.com

UK
+44.(0)1438.730700 Phone
+44.(0)1438.730751 Fax
info@ets-lindgren.co.uk

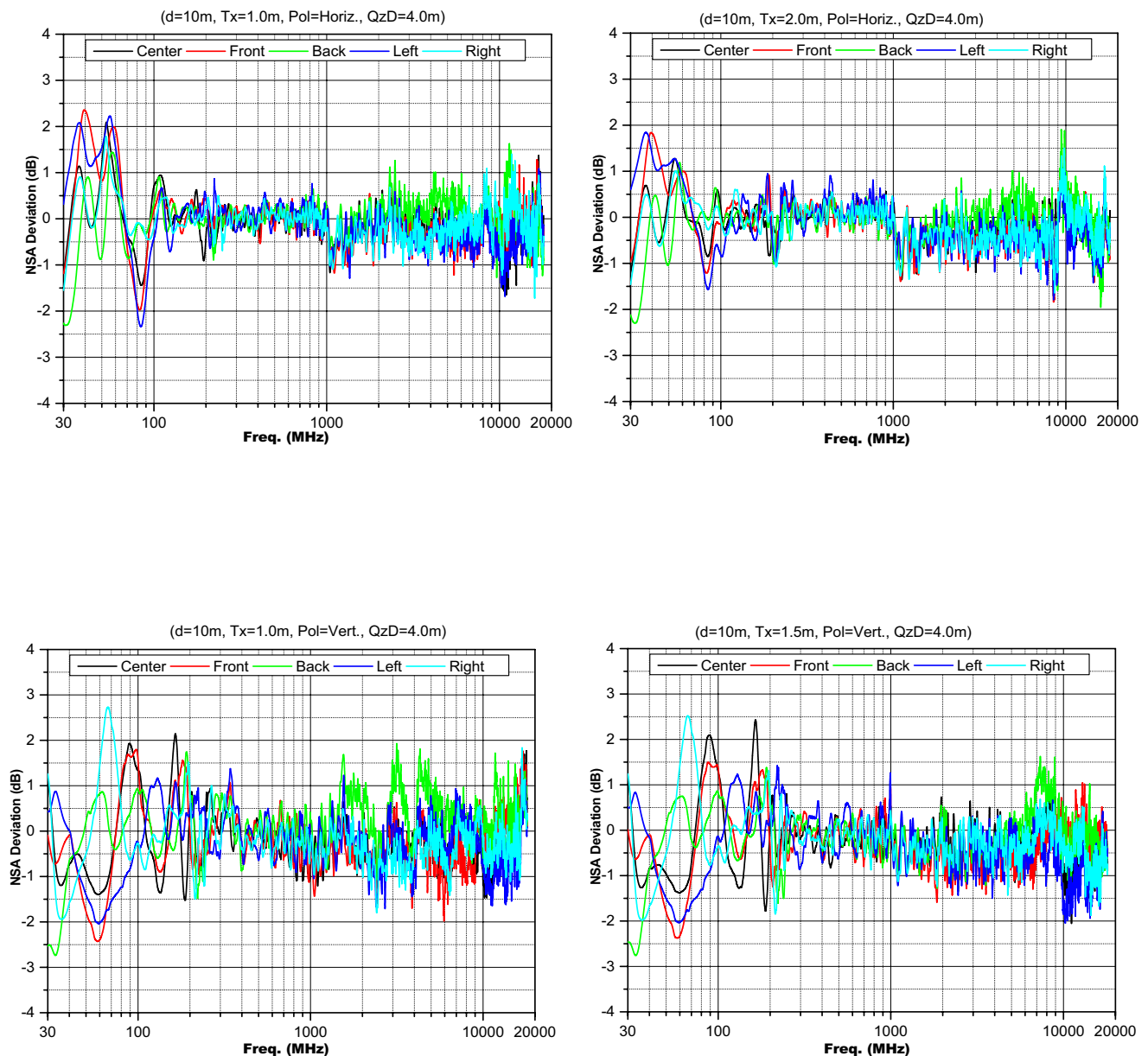
France
+33.1.48.65.34.03 Phone
+33.1.48.65.43.69 Fax
lrf.france@wanadoo.fr

Singapore
+65.6536.7078 Phone
+65.6536.7093 Fax
lrfesin@singnet.com.sg

Japan
+81.3.3813.7100 Phone
+81.3.3813.8068 Fax
info@ets-lindgren.co.jp

China
+86(0)10.8275.5086 Phone
+86(0)10.8275.5537 Fax
infochina@ets-lindgren.net

Typical NSA Deviation Data Measured in a 10 m Chamber Using PS-1250 Hybrid Absorber



USA
+1.512.531.6400 Phone
+1.512.531.6500 Fax
info@ets-lindgren.com

Europe (Finland)
+358.2.8383.300 Phone
+358.2.8651.233 Fax
info@ets-lindgren.eu.com

UK
+44.(0)1438.730700 Phone
+44.(0)1438.730751 Fax
info@ets-lindgren.co.uk

France
+33.1.48.65.34.03 Phone
+33.1.48.65.43.69 Fax
lrp.france@wanadoo.fr

Singapore
+65.6536.7078 Phone
+65.6536.7093 Fax
lrresin@singnet.com.sg

Japan
+81.3.3813.7100 Phone
+81.3.3813.8068 Fax
info@ets-lindgren.co.jp

China
+86(0)10.8275.5086 Phone
+86(0)10.8275.5537 Fax
infochina@ets-lindgren.net

Typical NSA Deviation Data Measured in a 3 m Chamber Using PS-600 Hybrid Absorber

