

EXPERT REPORT

Ordered by: YSHIELD EMR-Protection
Christian Danner
Am Schulplatz
D-94099 Ruhstorf
Germany

Device under Test : RF- and Microwave Shielding Paint HSF 54
One layer, covering 7.5 squaremeter per liter
applied to an even wooden surface

Subject: Shielding-measurements of electromagnetic waves from
200 MHz to 4 GHz, Polarization radially, undirected

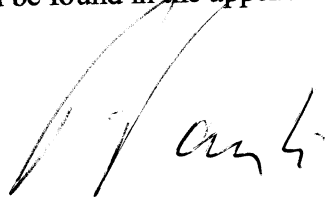
Regulations: According to ASTM D4953-89

**Date of
Measurements:** 23rd of February 2010

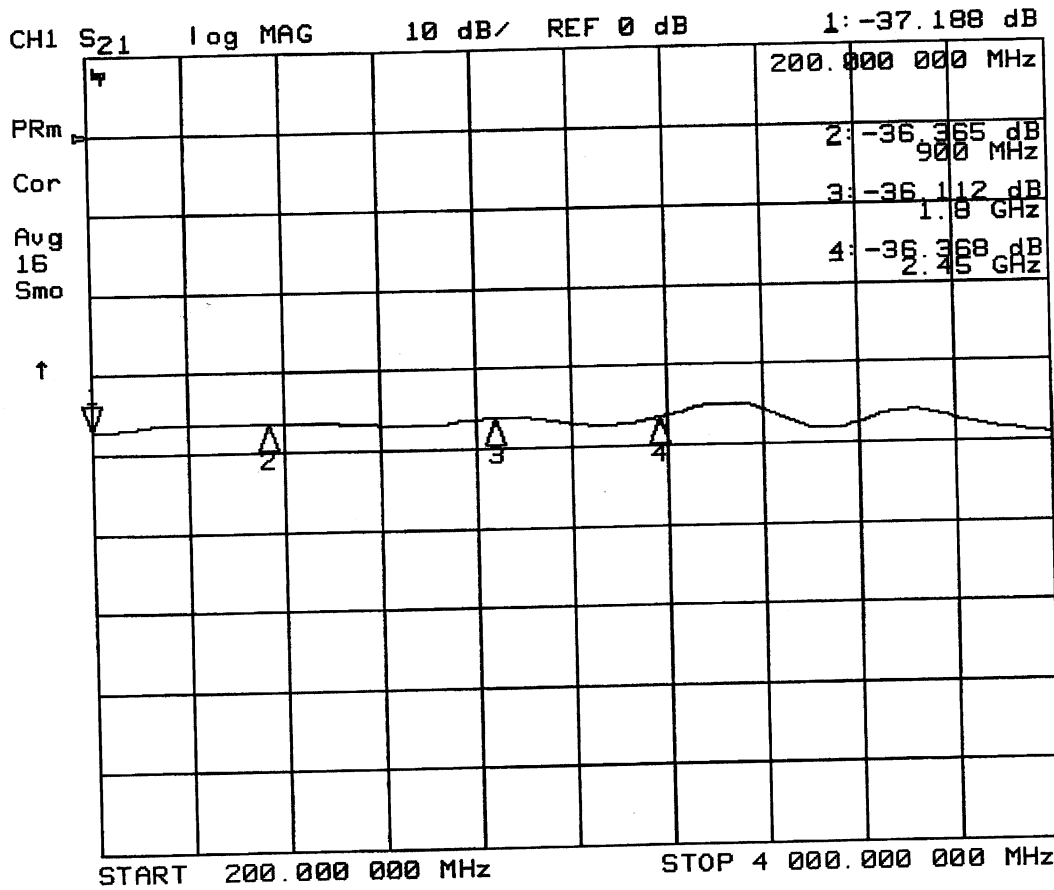
Contents: 1 page text, 1 measured diagram as appendix

Results: The measurements proved, that the painted surfaces presented a totally identical shielding effectiveness to vertically and horizontally polarized electromagnetic waves.
Another remarkable fact is the very constant and almost frequency independent shielding across the entire measured frequency range. Details about the shielding effectiveness can be found in the appendix.

Neubiberg, 27th of February 2010


Prof. Dipl.-Ing. P. Pauli

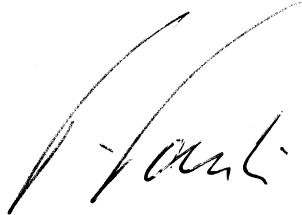
Device under test : **RF- and Microwave Shielding Paint HSF54, one layer,**
 applied to an even wooden panel with a productiveness of 7.5 m²/liter
 (Frequency range: 200 MHz – 4 GHz)



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- Ordered by:** YSHIELD EMR-Protection
Christian Danner
Am Schulplatz
D-94099 Ruhstorf
Germany
- Device under Test :** RF- and Microwave Shielding Paint HSF 54
Double layer, each covering with a productiveness
of 7.5 squaremeter per liter applied to an even wooden surface
- Subject:** Shielding-measurements of electromagnetic waves from
200 MHz to 4 GHz, Polarization radially, undirected
- Regulations:** According to ASTM D4953-89
- Date of
Measurements:** 23rd of February 2010
- Contents:** 1 page text, 1 measured diagram as appendix
- Results:** The measurements proved, that the painted surfaces presented a totally identical shielding effectiveness to vertically and horizontally polarized electromagnetic waves.
Another remarkable fact is the very constant and almost frequency independent shielding across the entire measured frequency range.
Details about the shielding effectiveness can be found in the appendix.

Neubiberg, 27th of February 2010



Prof. Dipl.-Ing. P. Pauli

Device under test : **RF- and Microwave Shielding Paint HSF54, double layer,**
 applied two times to an even wooden panel, each layer
 with a productiveness of 7.5 m²/liter
 (Frequency range: 200 MHz – 4 GHz)

