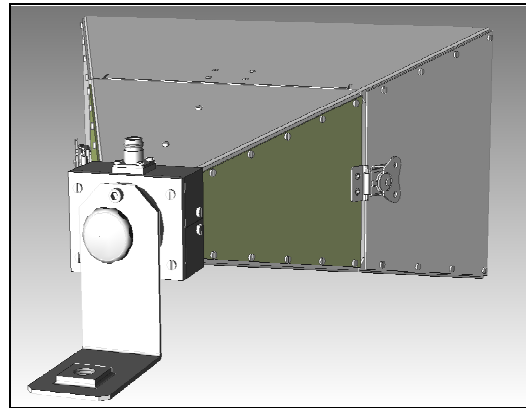
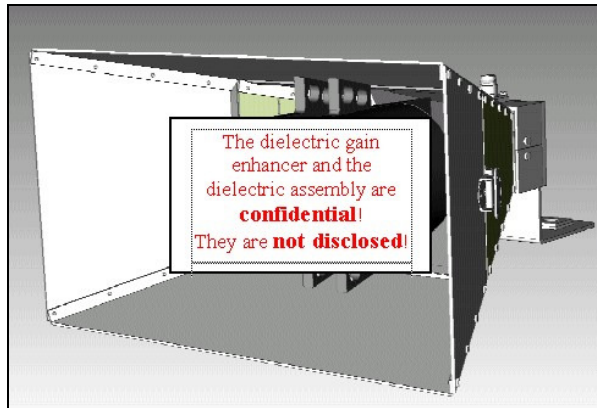


1-18GHz EMC antenna set for EMC measurements above 1GHz Type: DRH0118S



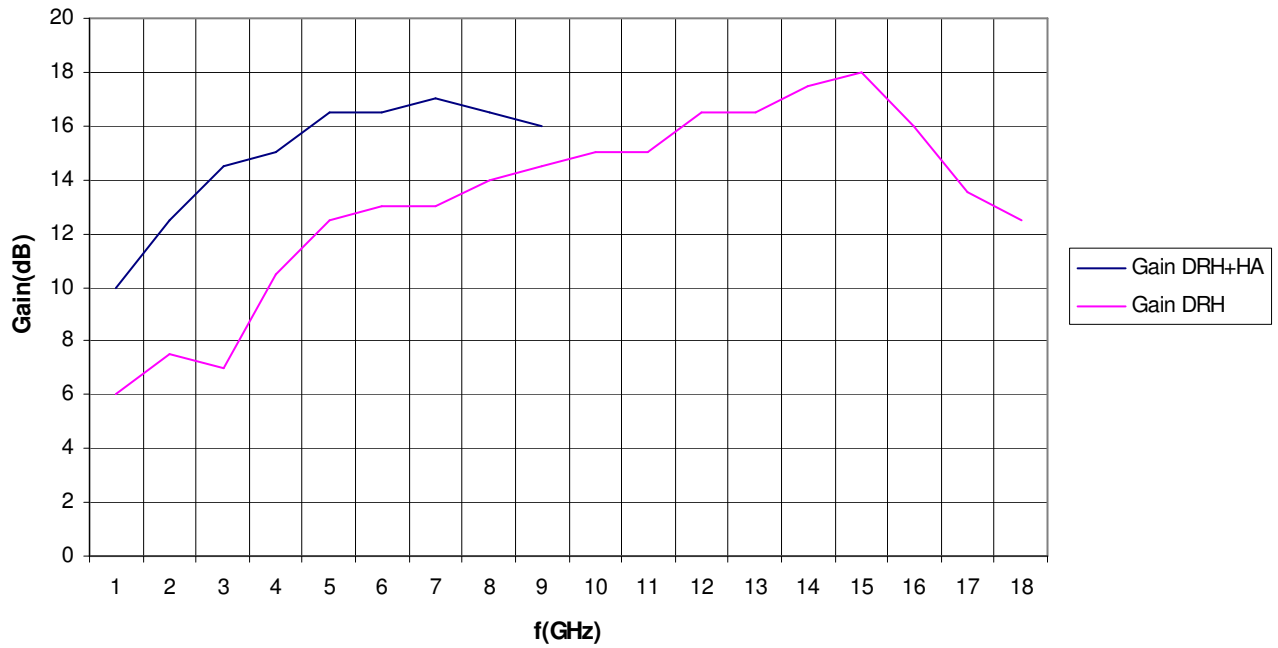
The DRH0118S set was designed for RF disturbance emission tests as well as for susceptibility tests against radiated RF disturbances in frequency band 1 ÷ 18GHz. It comprises the following parts:

- The basic element, the **DRH0118** antenna is an enhanced double ridged horn structure with dielectric gain enhancer plug-in providing plane wave like radiation from 6 GHz to 18 GHz.
- The radiation of DRH0118 antenna fitted together with **HA0108** horn adaptor also is plane wave like as a result of specially shaped dielectric assembly built into HA0108
- Low reflectivity **antenna tripod**
- **Elbow** that serves for fixing on the tripod DRH0118 antenna (behind it) it makes possible the change of antenna polarization by 45° angle steps.

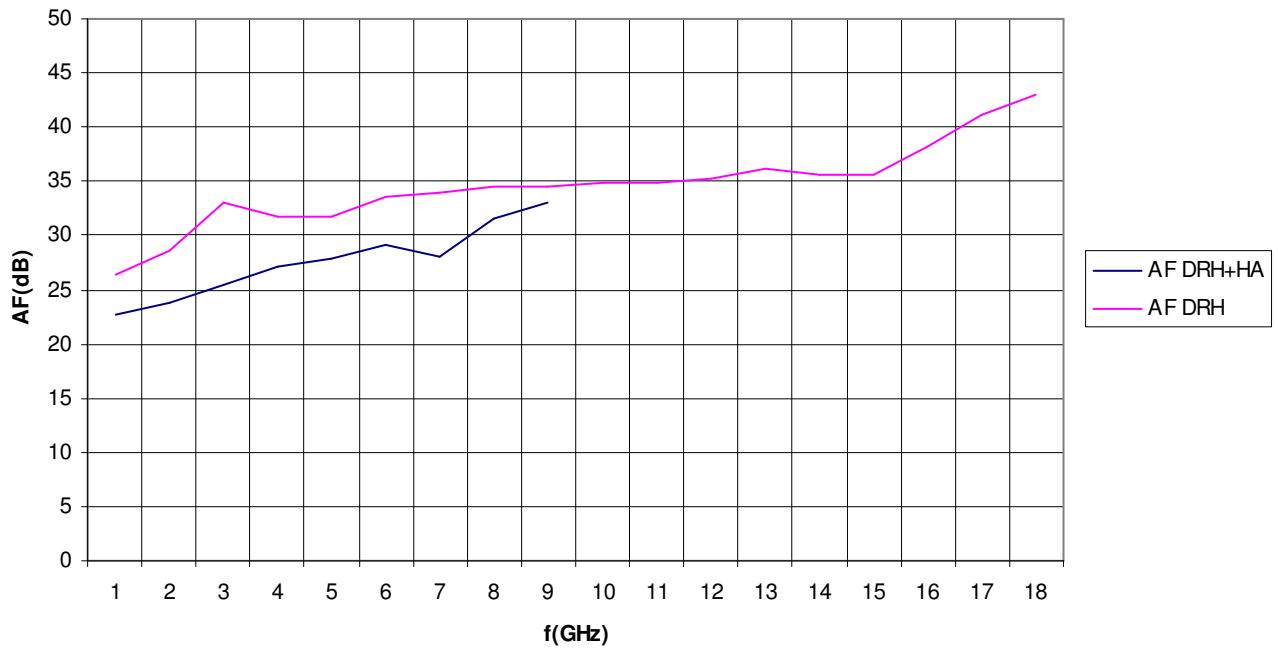
General technical performances:

- | | |
|---|-----------------|
| • Operational Frequency Range | 1-18GHz |
| • Environmental Conditions | Indoor use |
| • Connector | N female 50Ω |
| • Return Loss | 7.5 dB typical. |
| • Input Power | 300 W maximum |
| • Dimensions [mm: width x height x depth] | |
| DRH0118 antenna without gain enhancer plug-in | 260x150x240 |
| DRH0118 antenna with gain enhancer plug-in | 260x150x270 |
| DRH0118 antenna with HA0108 horn adaptor | 410x220x410 |
| • Weight | |
| DRH0118 | 1.8 kg max. |
| DRH0118 with HA0108 | 3.8 kg max. |

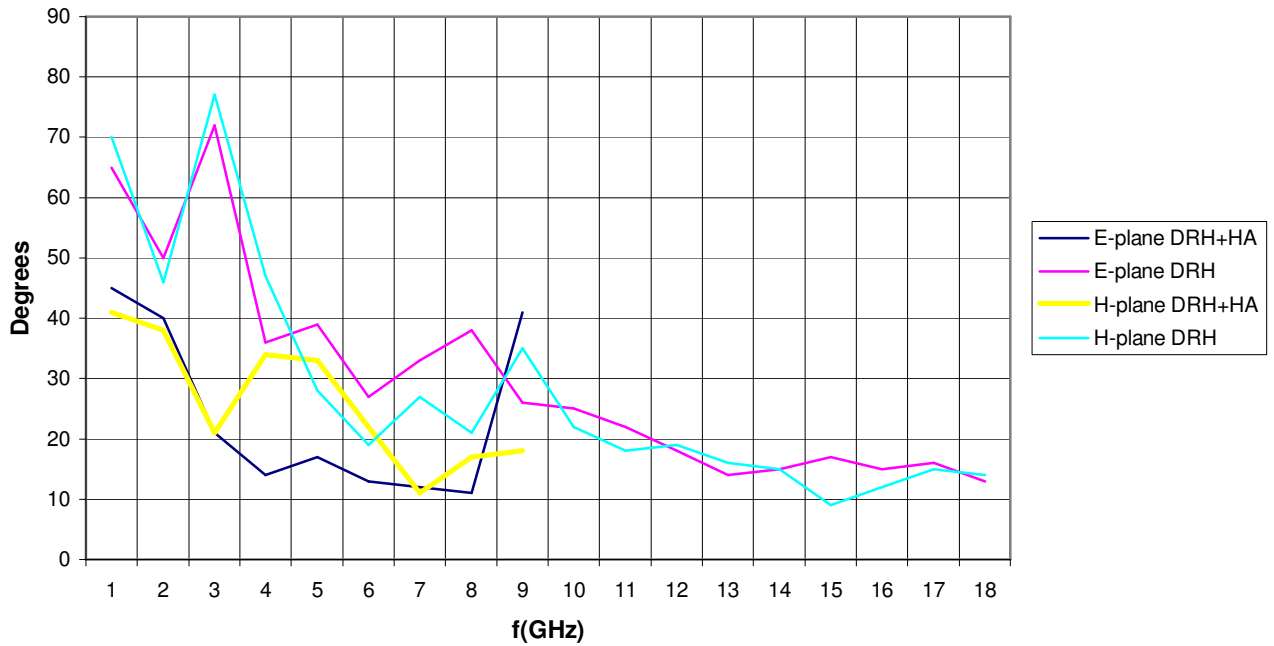
Gain of DRH0118 and Gain of DRH0118 + HA0108 Assembly



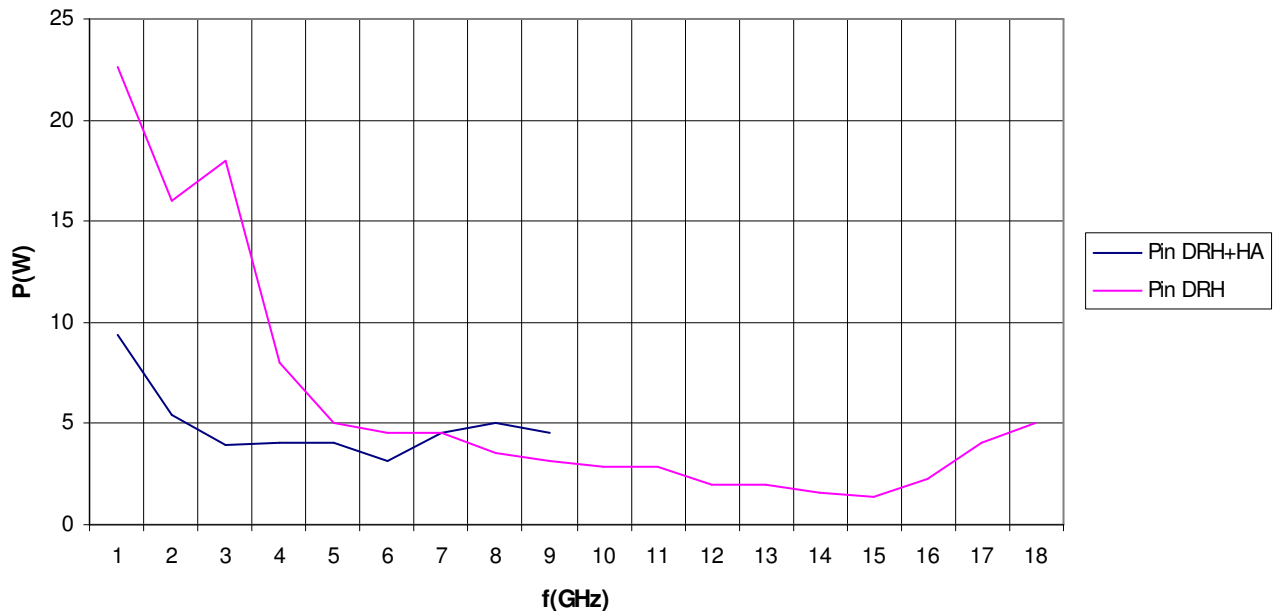
Antenna Factor of DRH0118 and Antenna Factor of DRH0118 + HA0108 Assembly



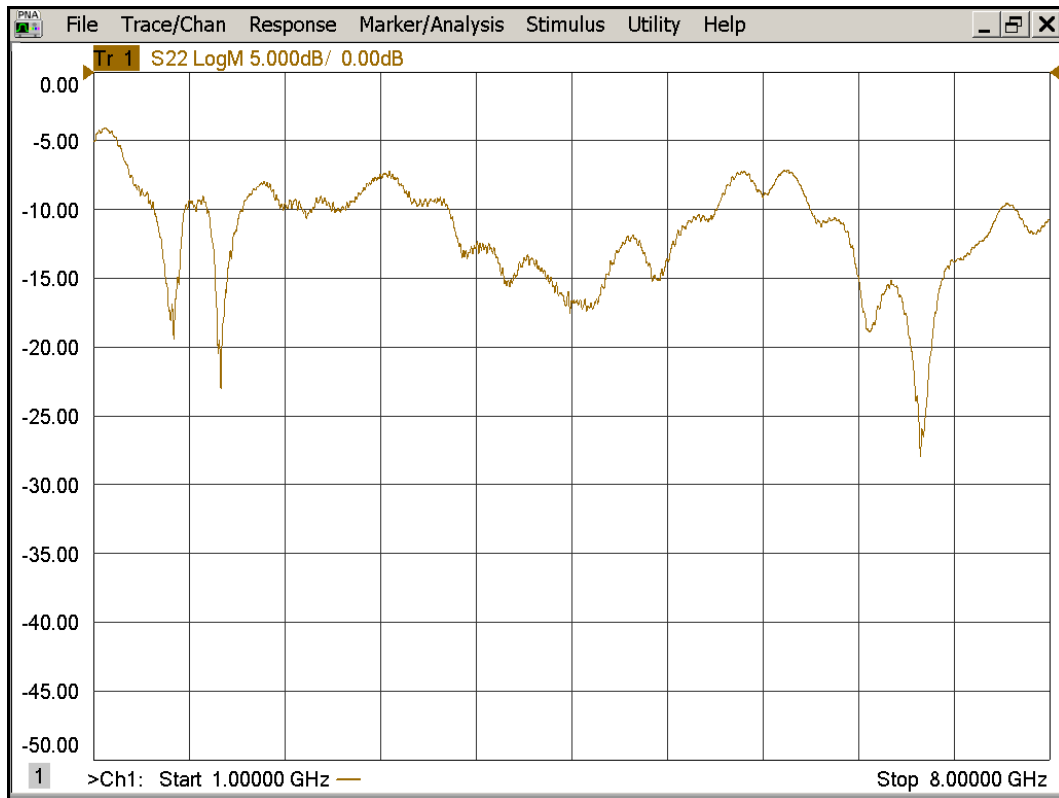
3dB Beamwidth versus frequency



Input power for RF immunity test on 0.5m×0.5m×0.5m size EUT Test distance 3m, Field strength 10V/m, Modulation 80%AM



Return Loss of DRH0118 antenna with HA0108 horn adaptor



Return Loss of DRH0118 antenna

