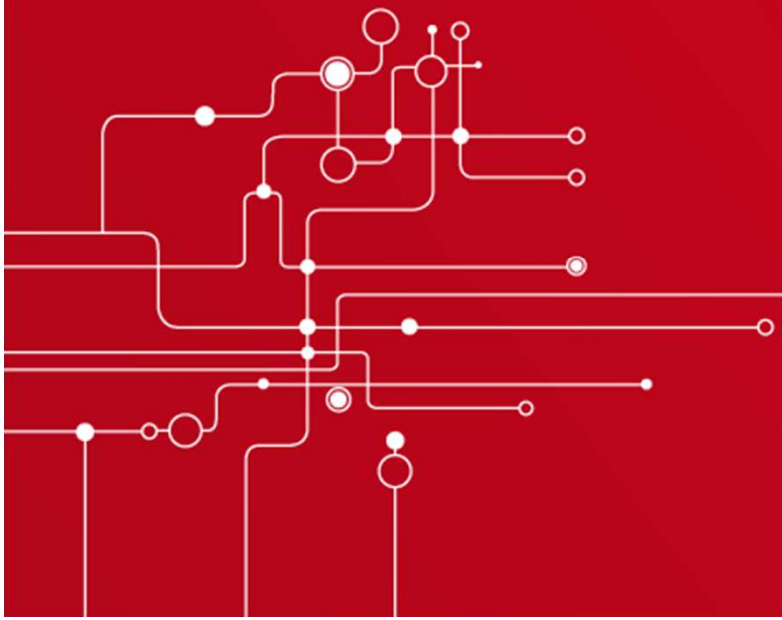
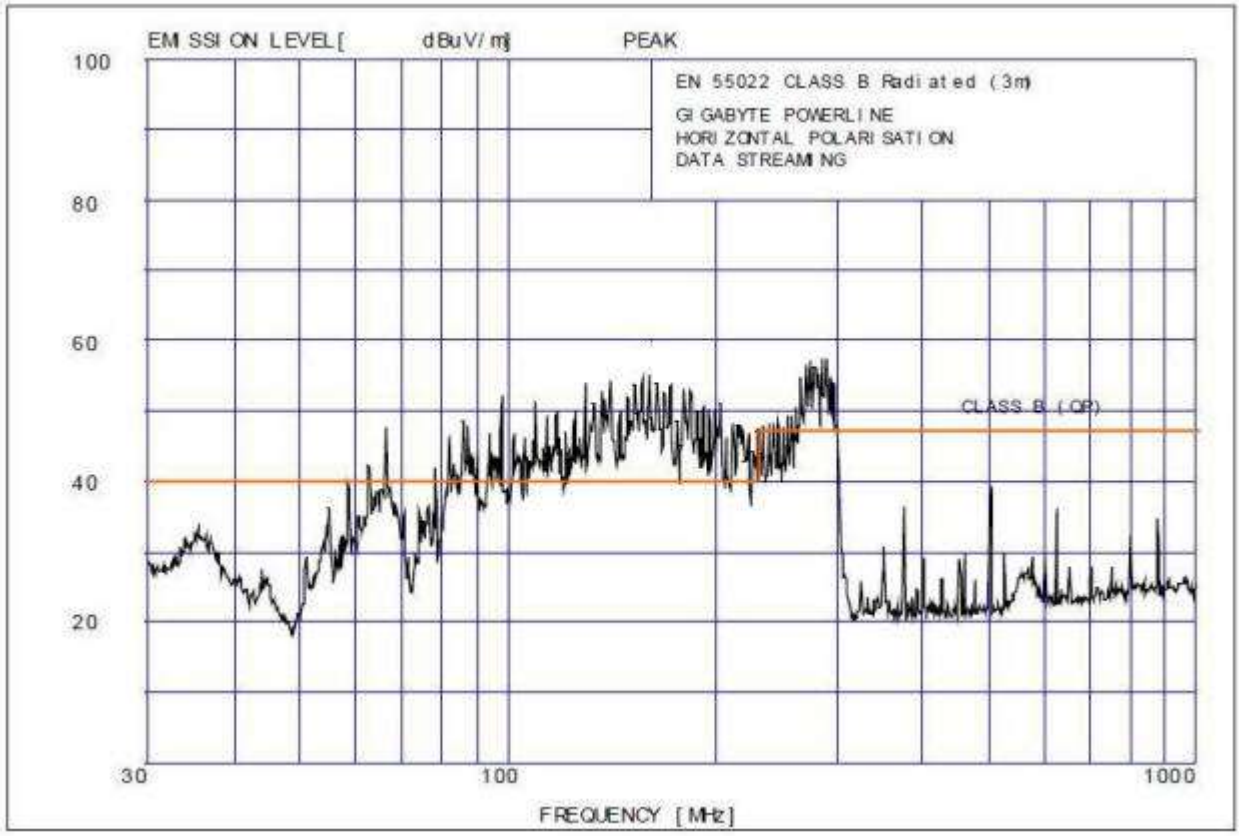
Detectus

Is it possible for anyone to make an EMC measurement of your board and draw conclusions?



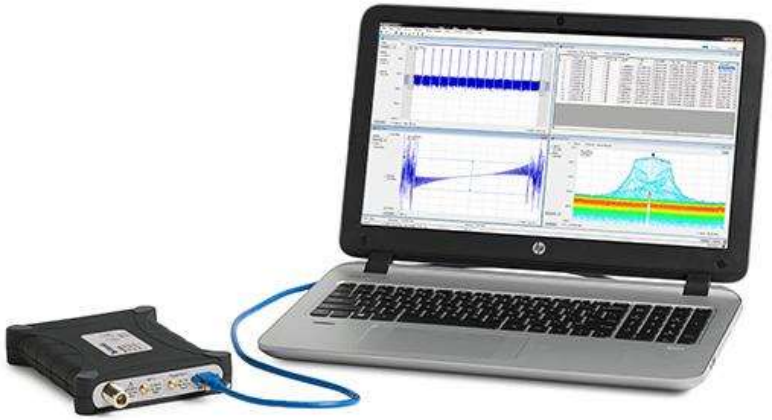
Jan Eriksson

Result from test for emission at test house

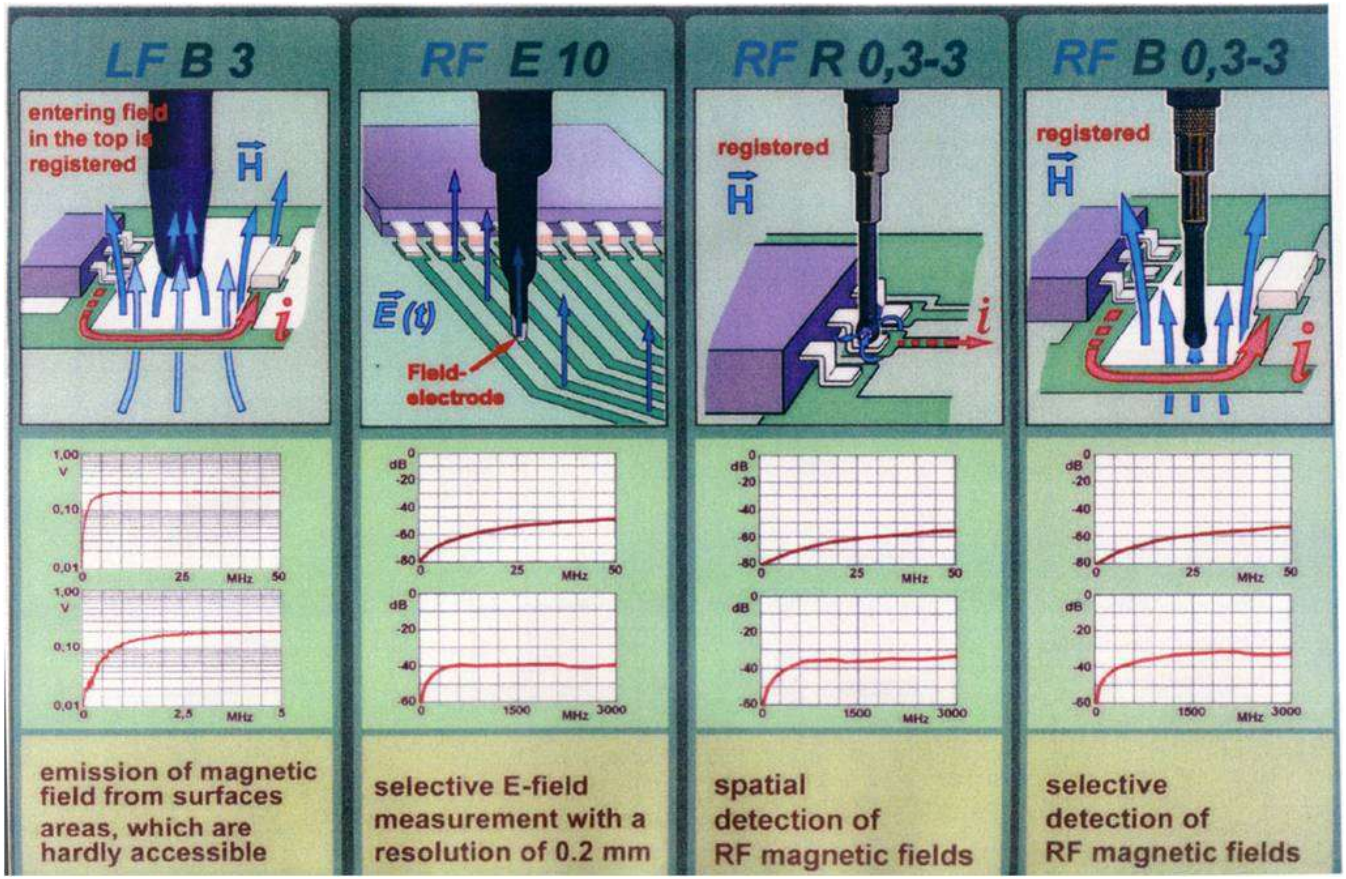


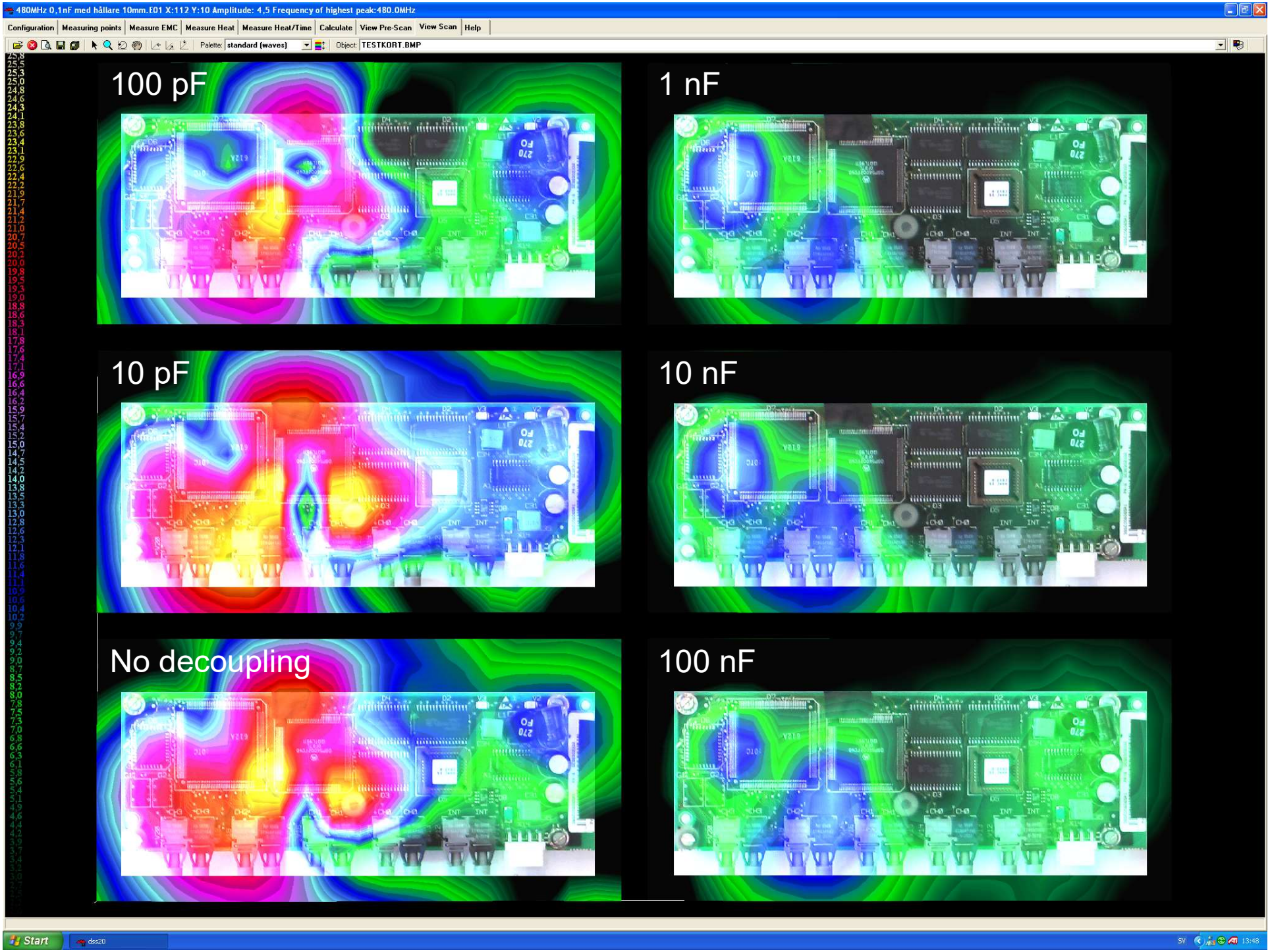
Test of emission with EMC-scanner

- PC
- Robot (RSE or HRE models)
- Preamplifier (PA306)
- Near field probes (different kind of kits)
- Spectrum analyzer (Tektronix RSA306B or other)

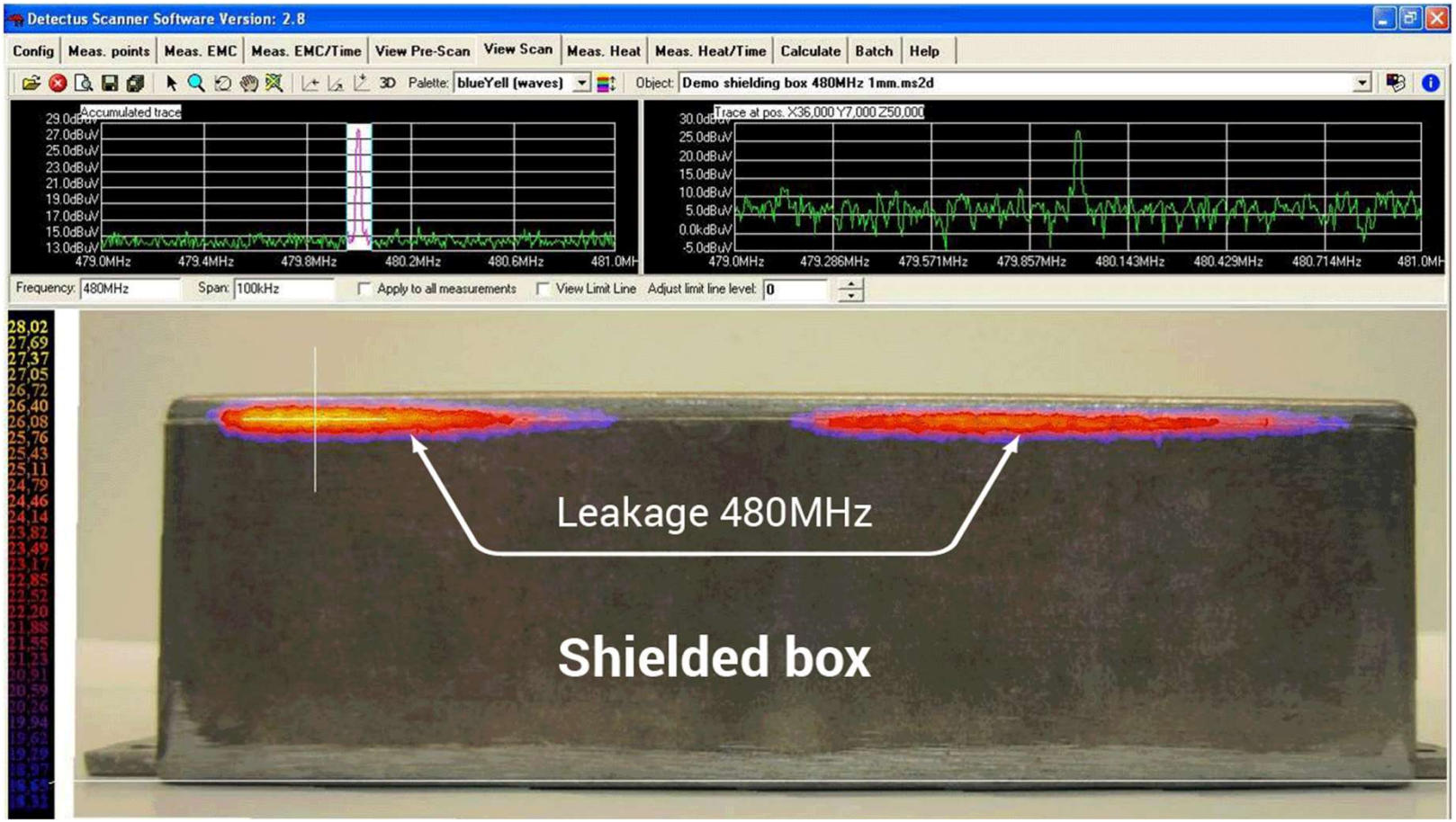


Near field probes

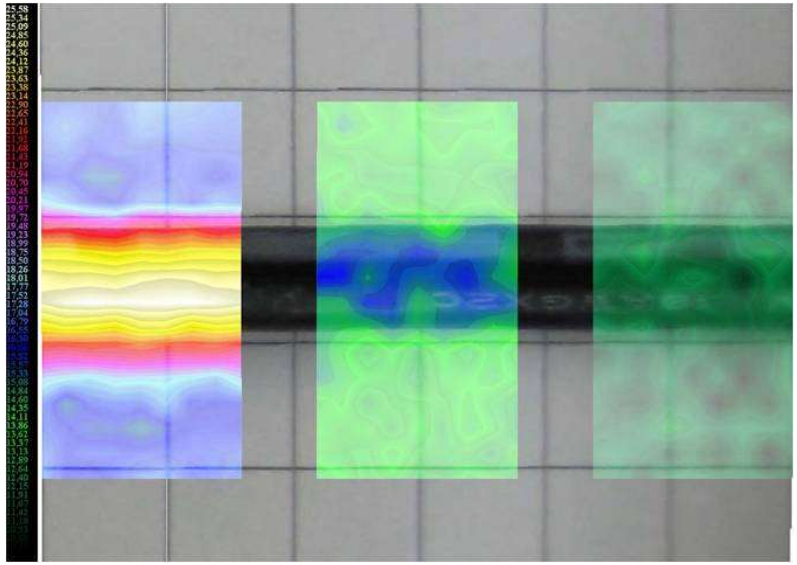


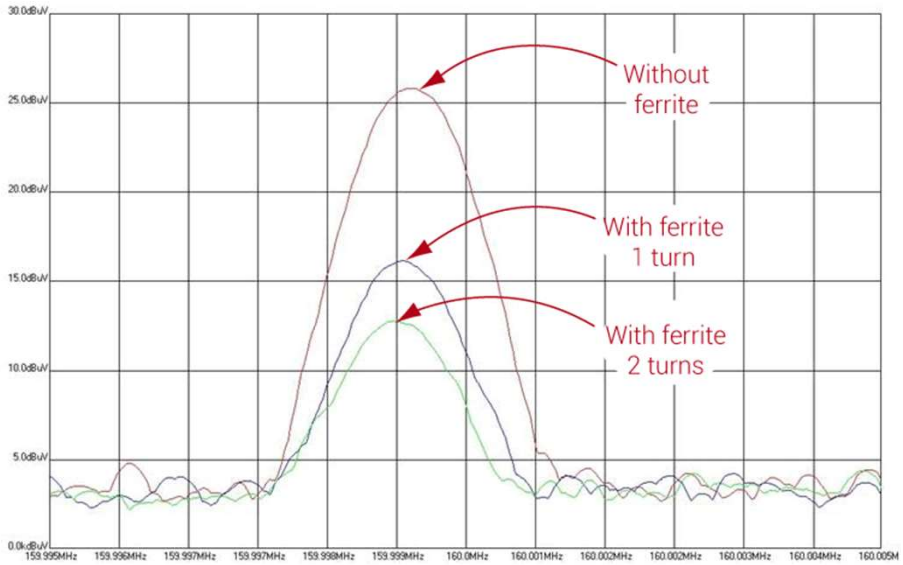

480MHz 0,1nF med hållare 10mm.E01 X:112 Y:10 Amplitude: 4,5 Frequency of highest peak:480.0MHz
Configuration
Measuring points
Measure EMC
Measure Heat
Measure Heat/Time
Calculate
View Pre-Scan
View Scan
Help
Palette: standard (waves)
Object: TESTKORT.BMP
100 pF
1 nF
10 pF
10 nF
No decoupling
100 nF
Start
dss20

Measurement shielded box

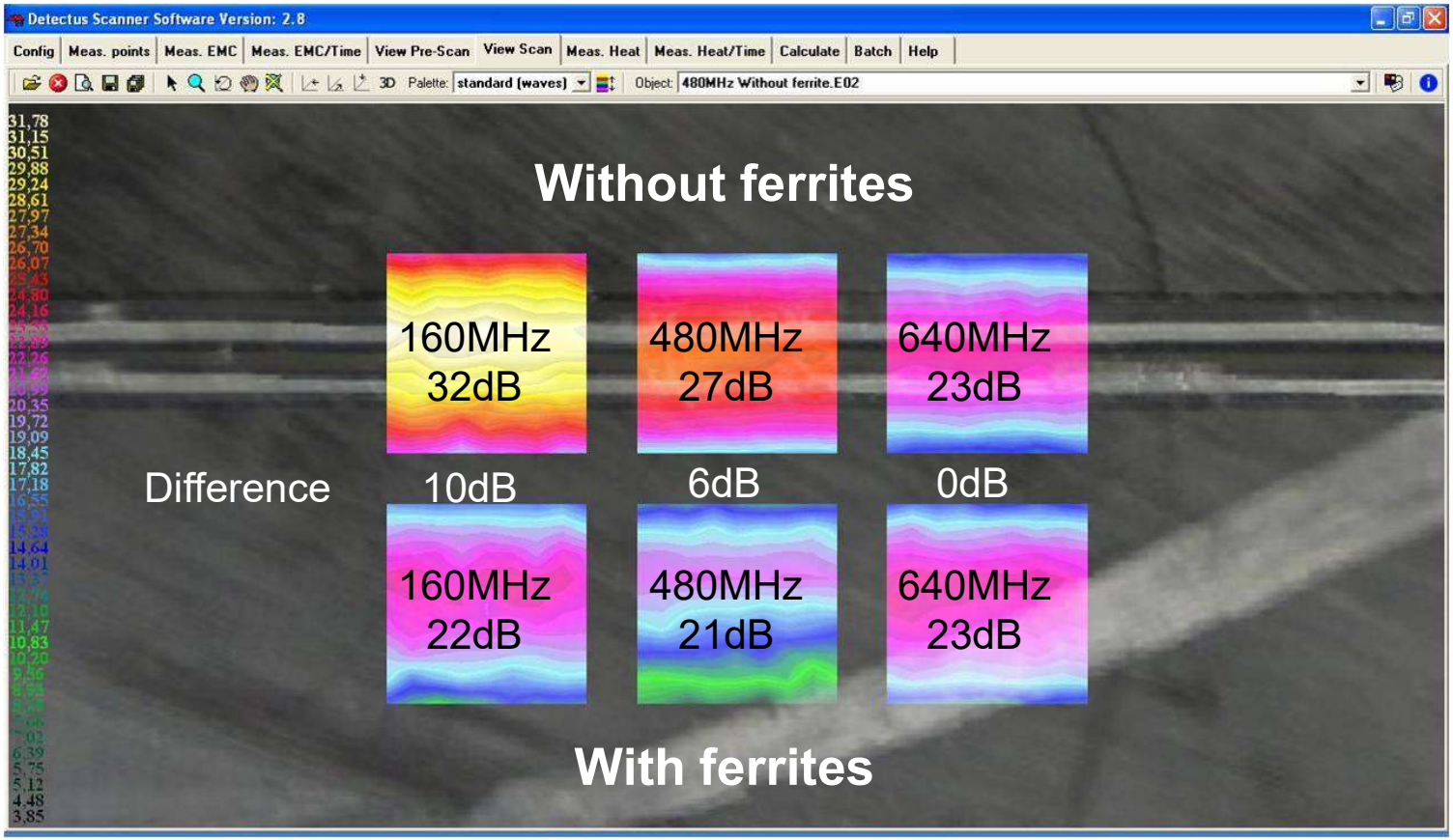


Power cable 160MHz with and without ferrite (Würth 74271221).

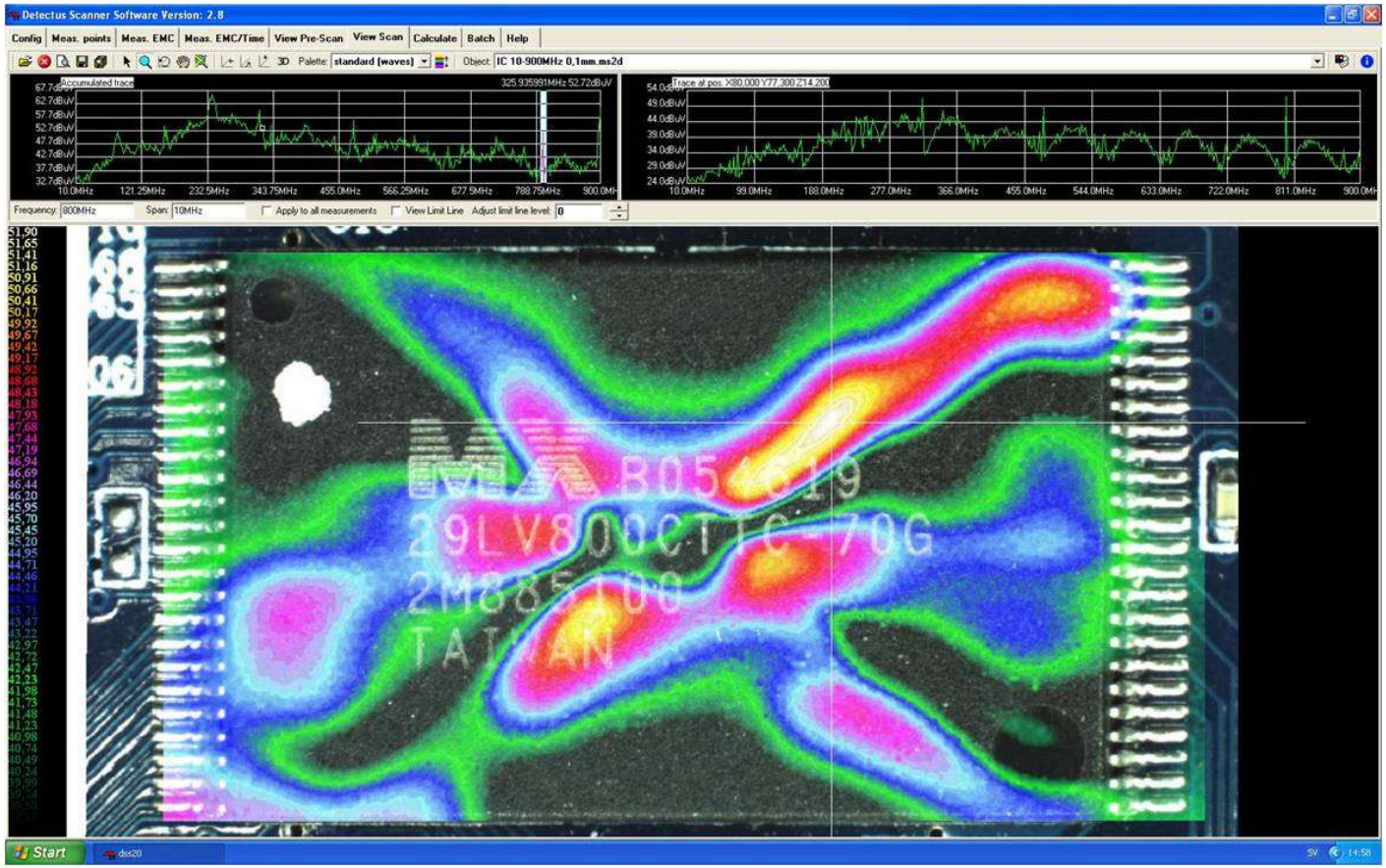




Cable, with and without ferrite



Measurement IC 0,1mm step size



22 x 12 mm

Thank you for your attention!

You are welcome to find out more about the EMC-scanner at the C.N. ROOD booth