

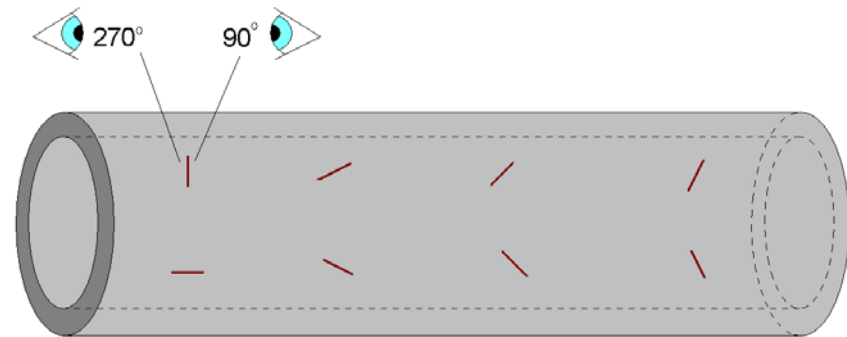
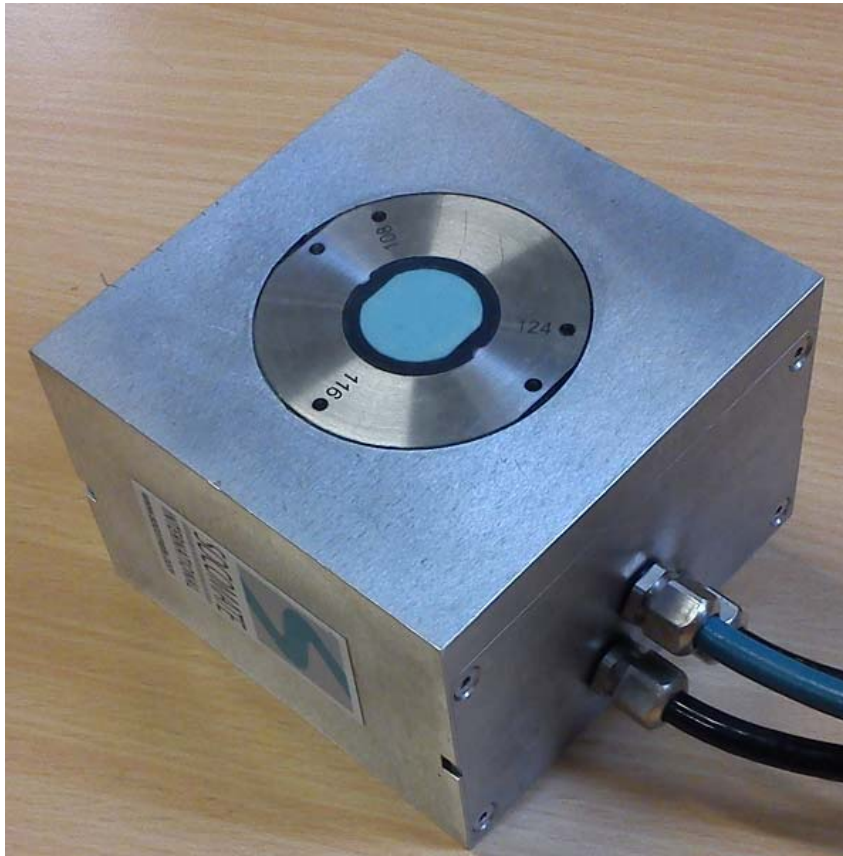
Phased matrix försök

Sandviken v.30-32

Ökade krav från kunder att testa för sneda fel

- Lägre toleransnivåer utan tester
- Fel var 22.5° grad
- 16 traditionella UL-sökare

Utrustning och materiel



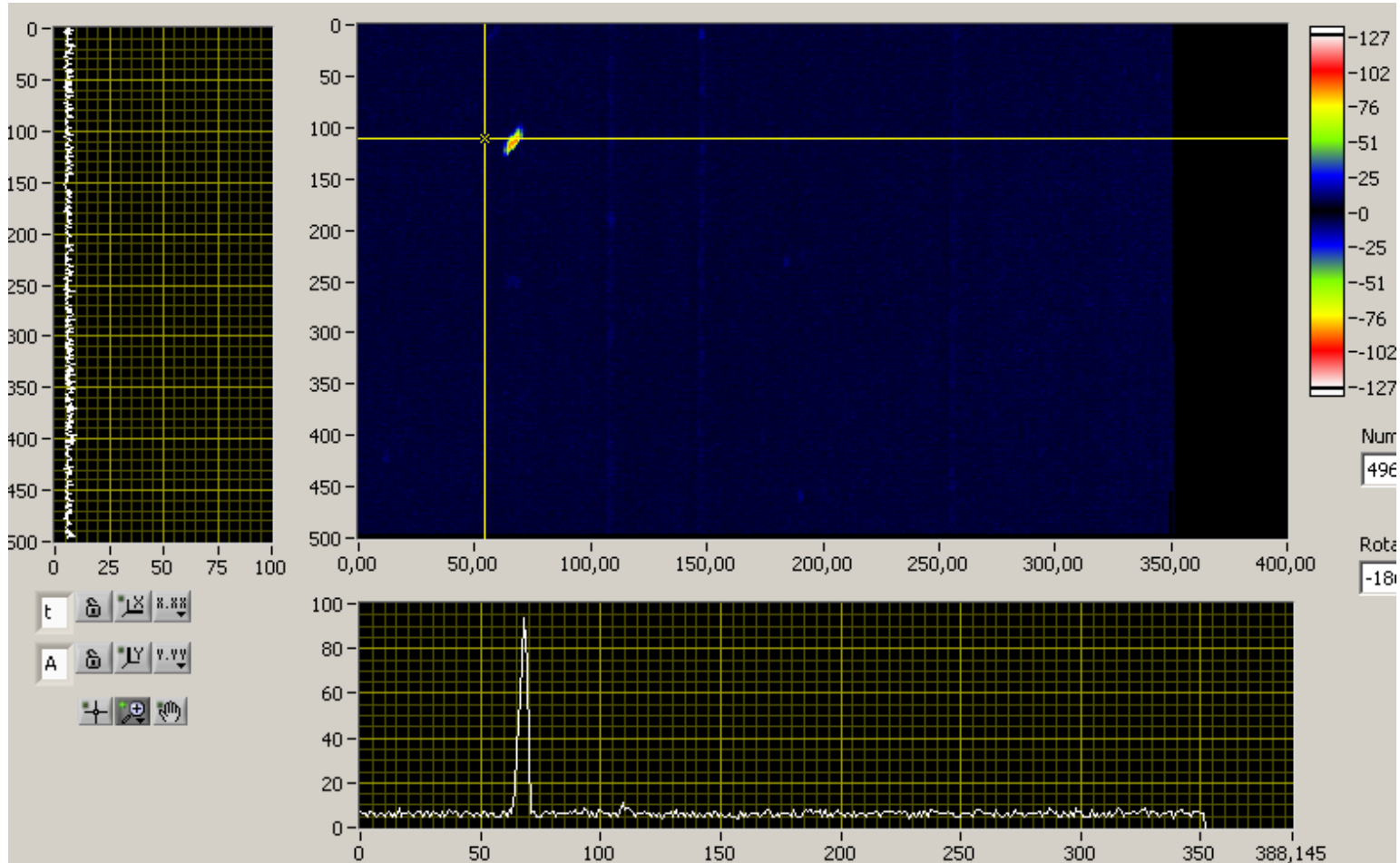
- Test tube No. 22908, San29 (fine grain), 158.5 x 22.1mm
- Test tube No. 21924, San29 (coarse grain), 158.5 x 22.1mm
- Test tube No. 14466, 2R60, 180 x 30mm

Provningsutförande

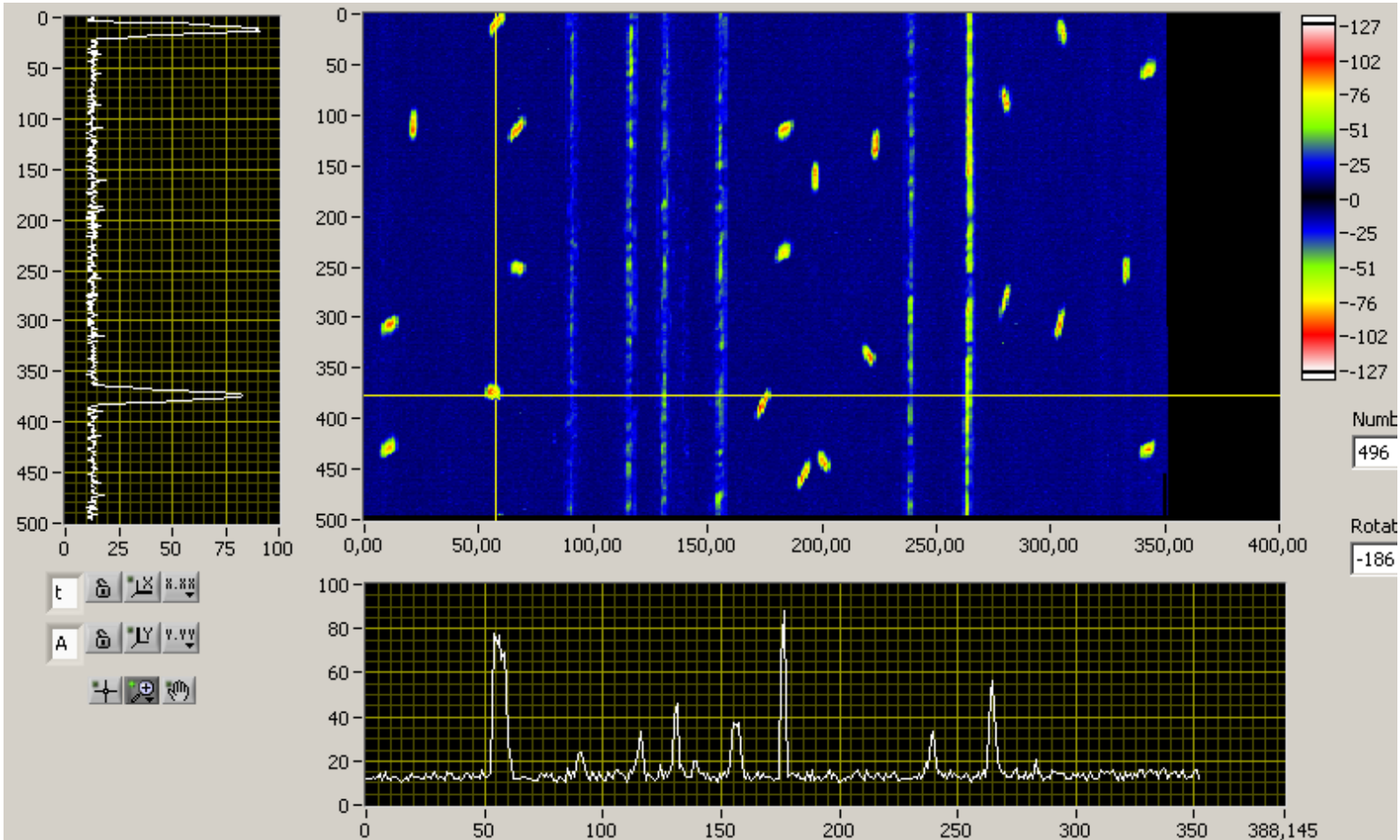


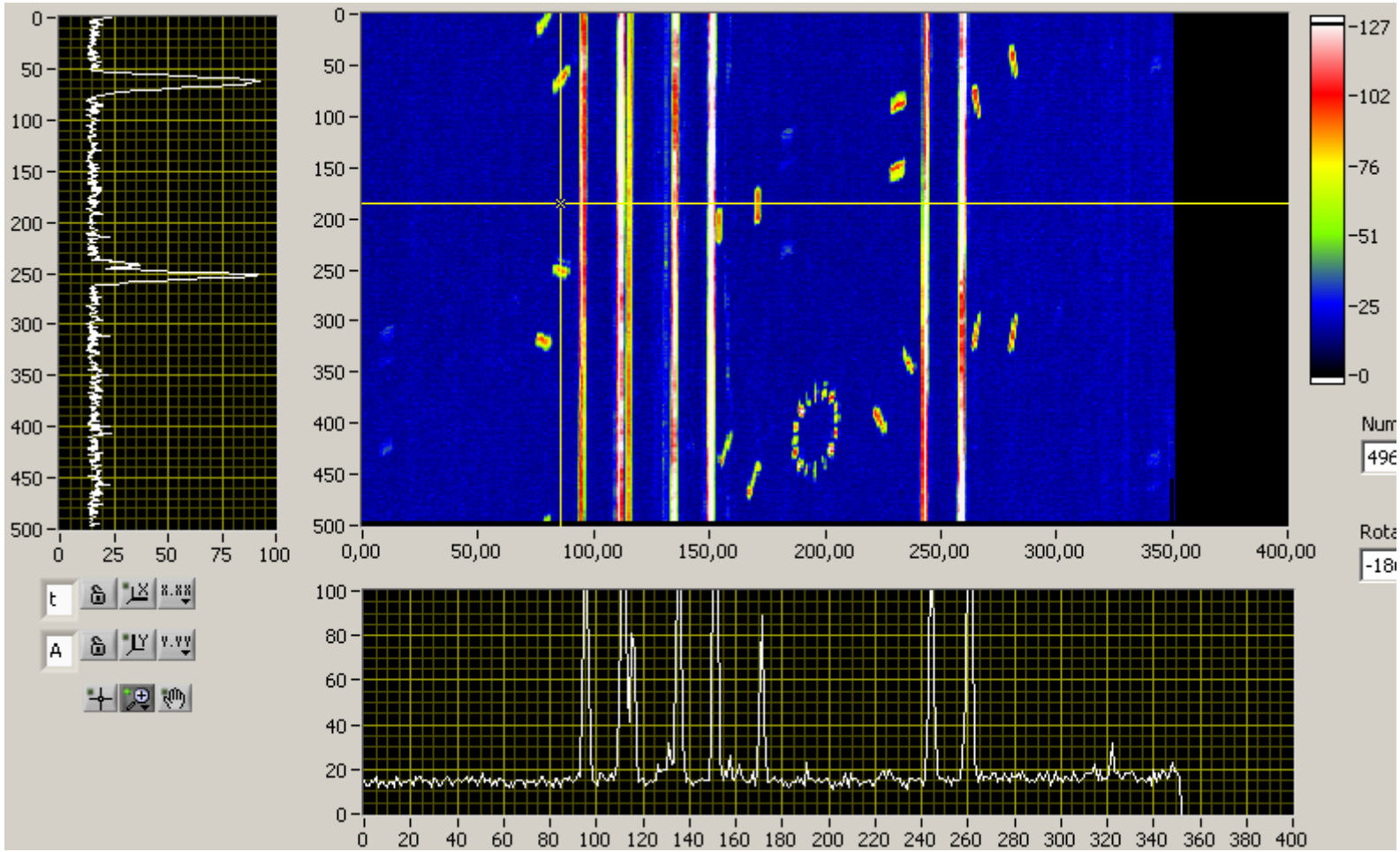
- 3 stigningshastigheter
- 10 körningar per s.h.
- Signal/brus nivå
- Repeterbarhet

Grafiskt resultat en kanal

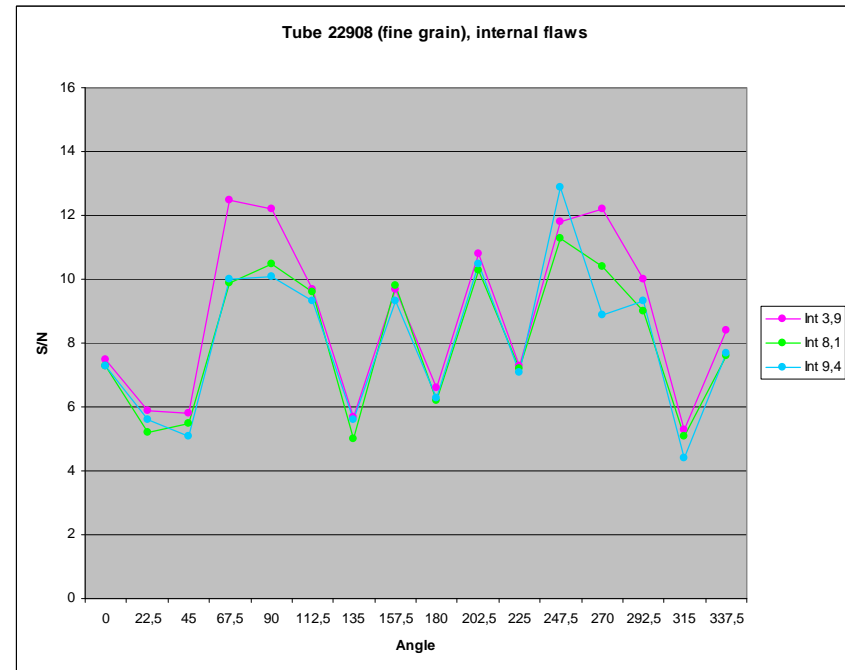
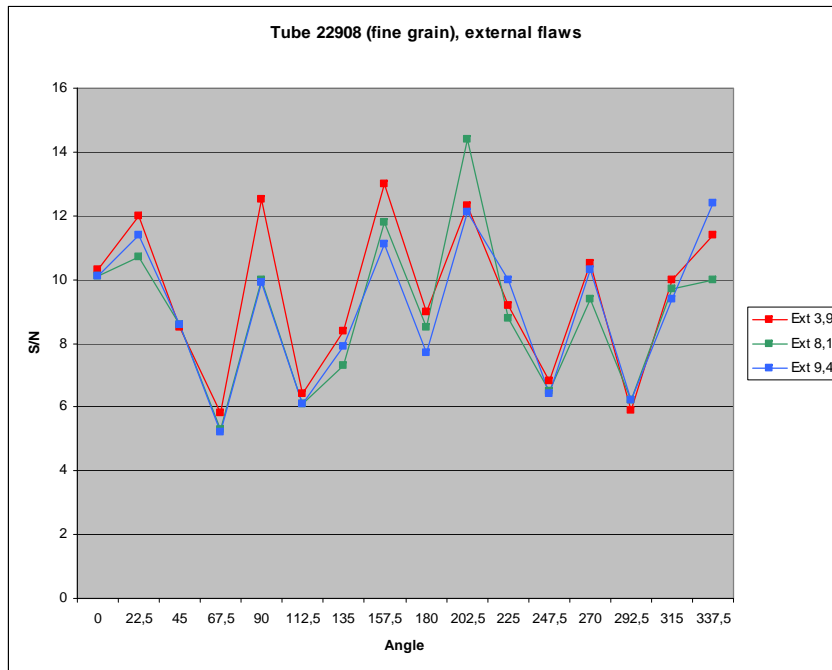


Grafiskt resultat 16 kanaler

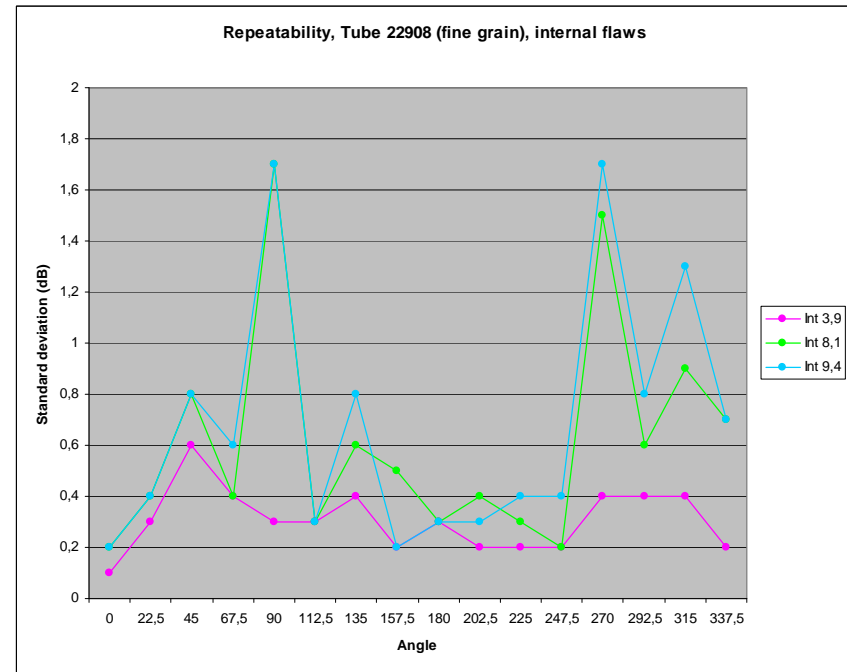
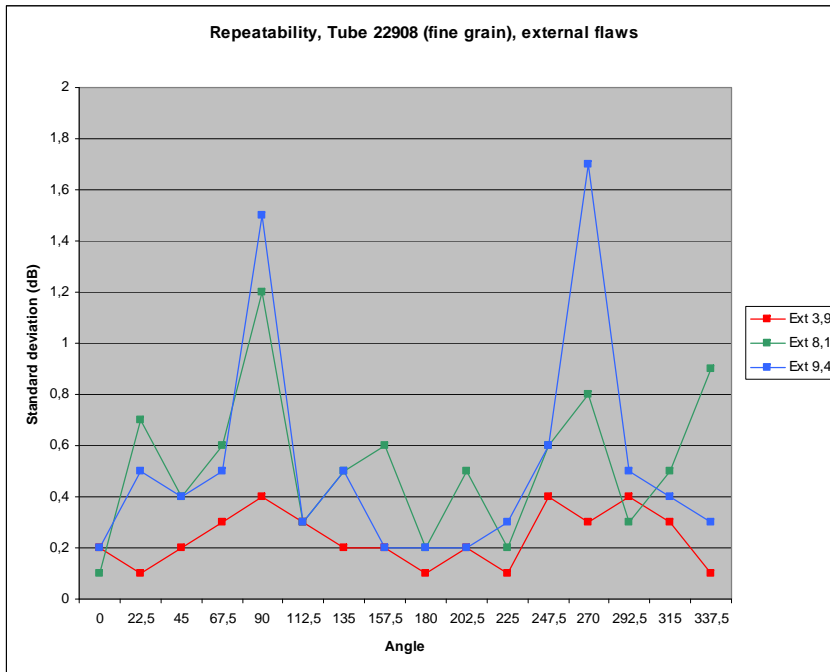




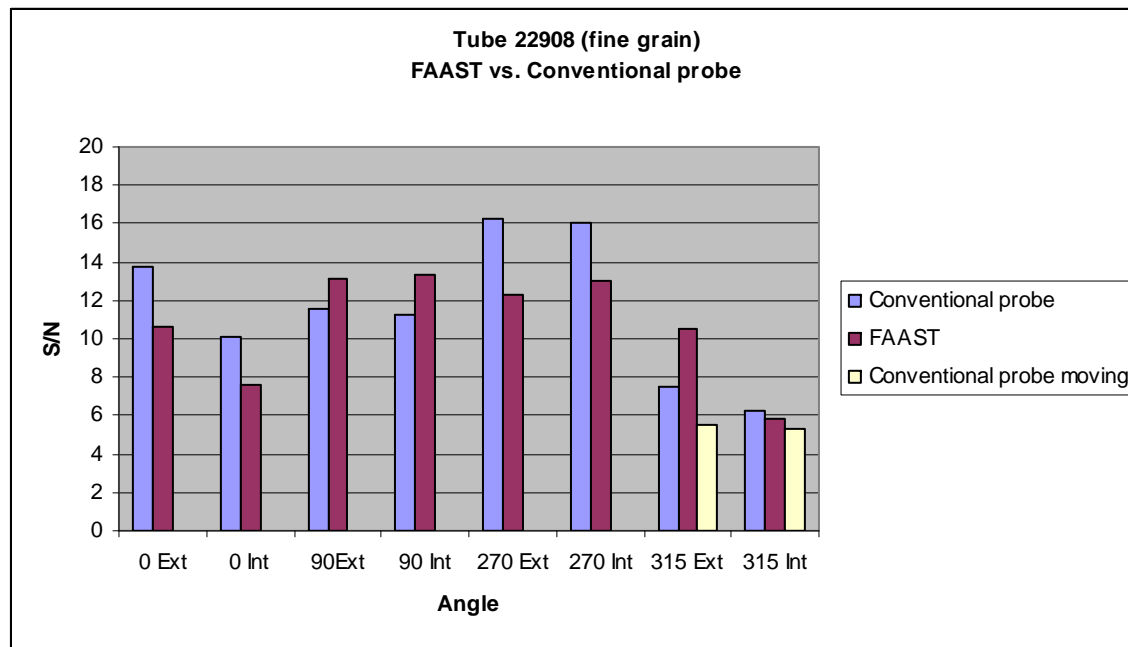
Resultat signal/brus



Resultat repeterbarhet



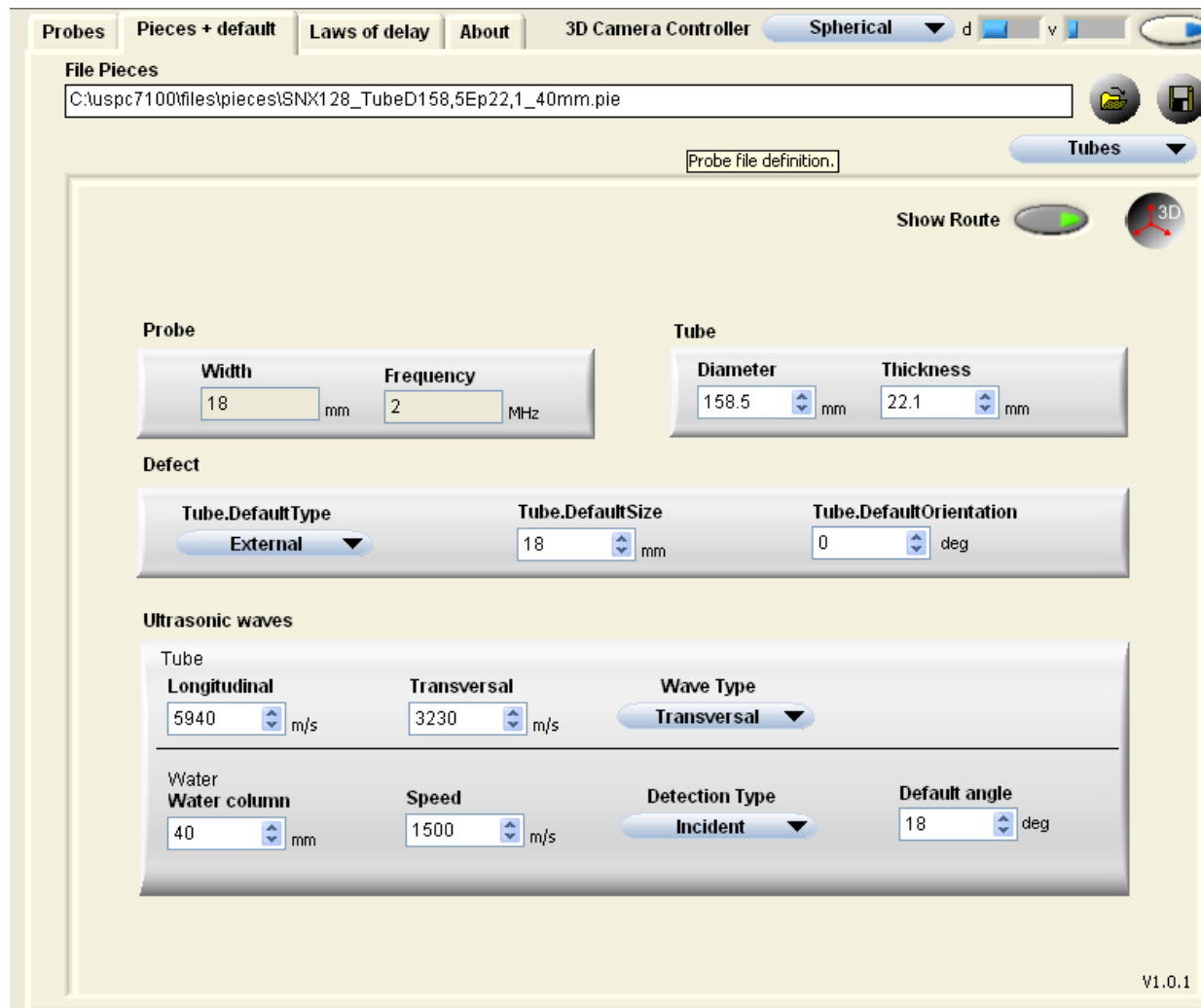
Jämförelse med traditionell sökare

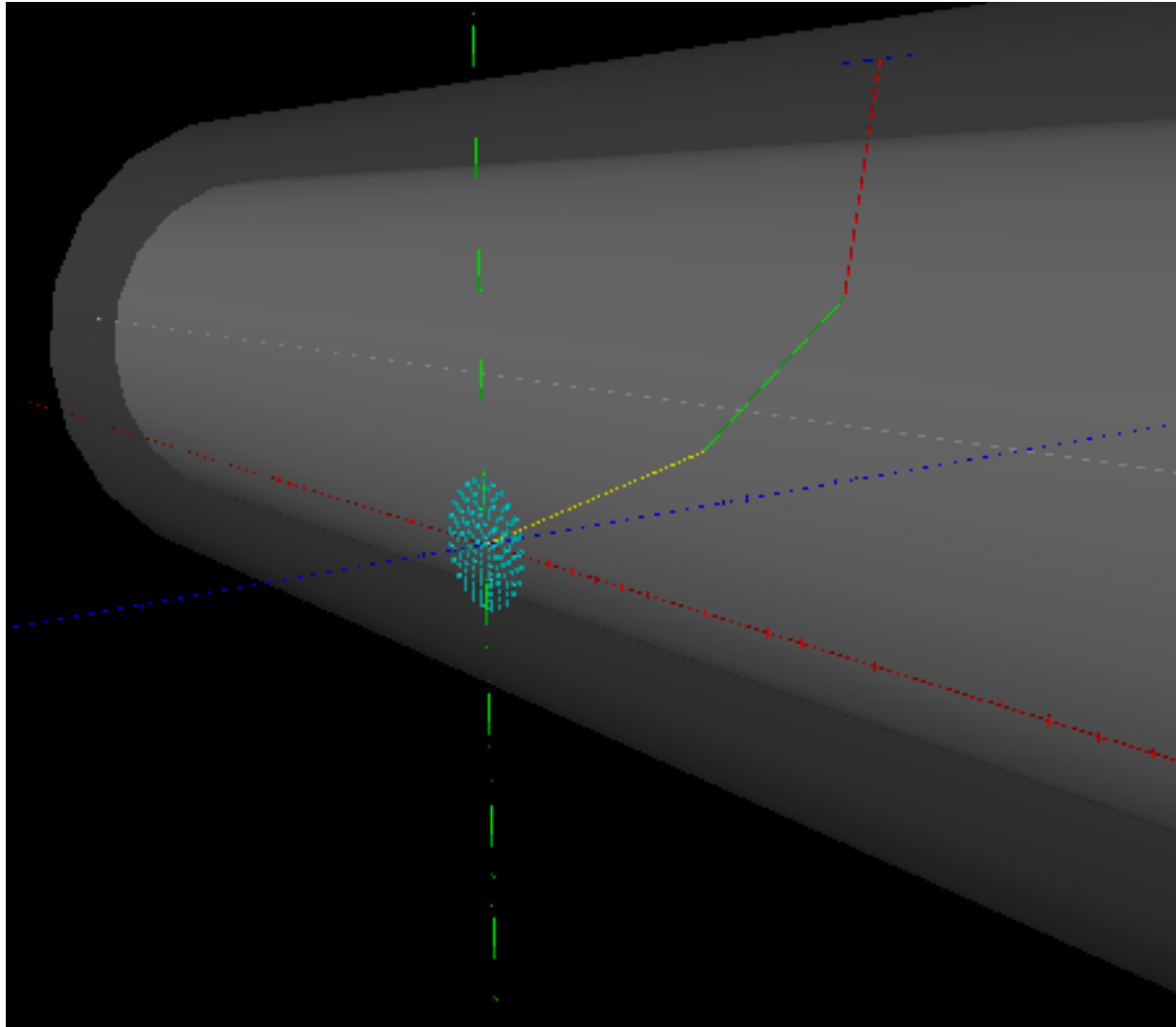


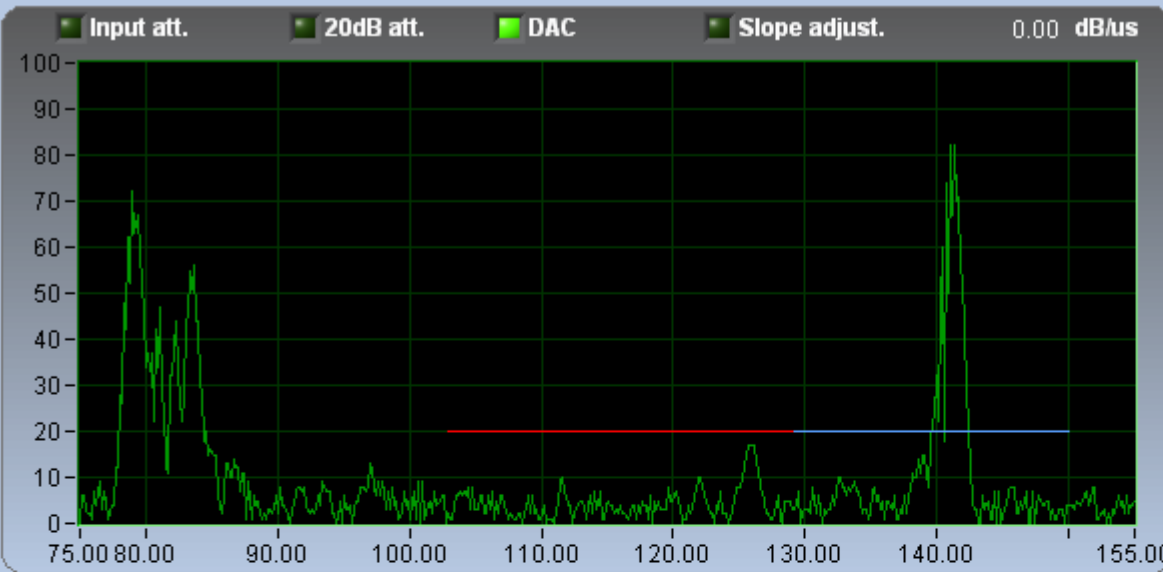
Fördelar/nackdelar med phased matrix

- Enkelt, en sökare
- Snabbt att ställa
- Mindre underhåll
- Överskådligt
- Lite lägre S/B-förhållande
- "Ny teknik"

Hur man bygger ljudlagar







Gain 1: 41

Gain 2: 0

IF.TOF (us): 0.000

1.Amp. (%): 20

1.TOF (us): 125.940

2.Amp. (%): 86

2.TOF (us): 141.030

Alarm Clear

US device: Probe128

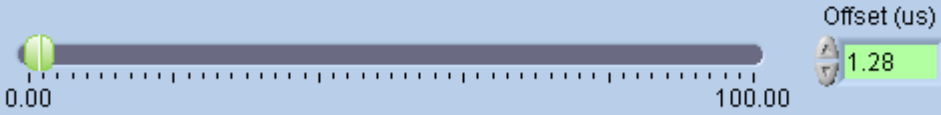
A-scan: 0°E

us STOP

Warning on Gate IF: TOF/WT Process limit Min is outside of gate

Pulser Receiver Scope Gate IF Gate 1 Gate 2 I/O Ctrl man.

Trigger: Int. synchro.

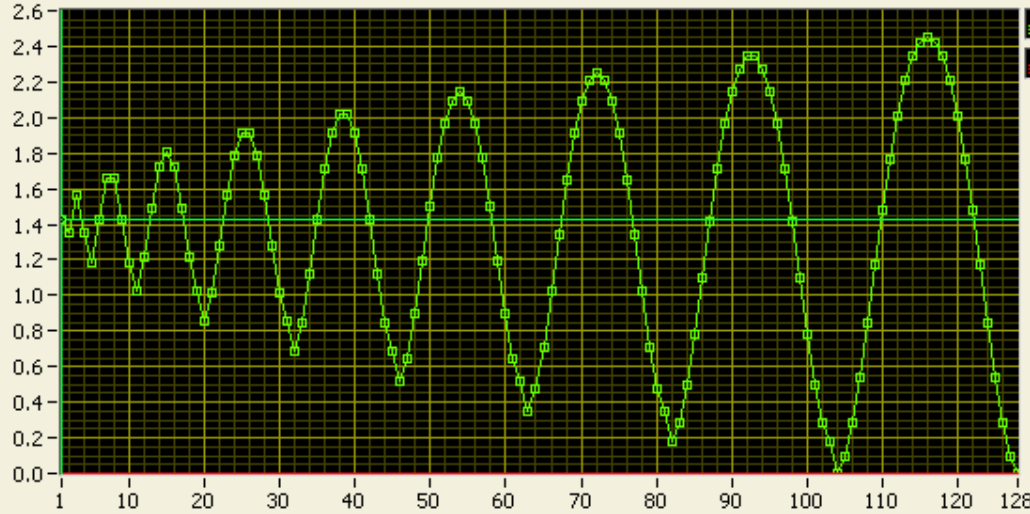


Globale Freq.(KHz): 0.54

File Laws



Us



0

1428	ns
1358	ns
1563	ns
1358	ns
1182	ns
1425	ns
1655	ns
1655	ns
1425	ns

Nb

Aperture parameters

Nb Circles

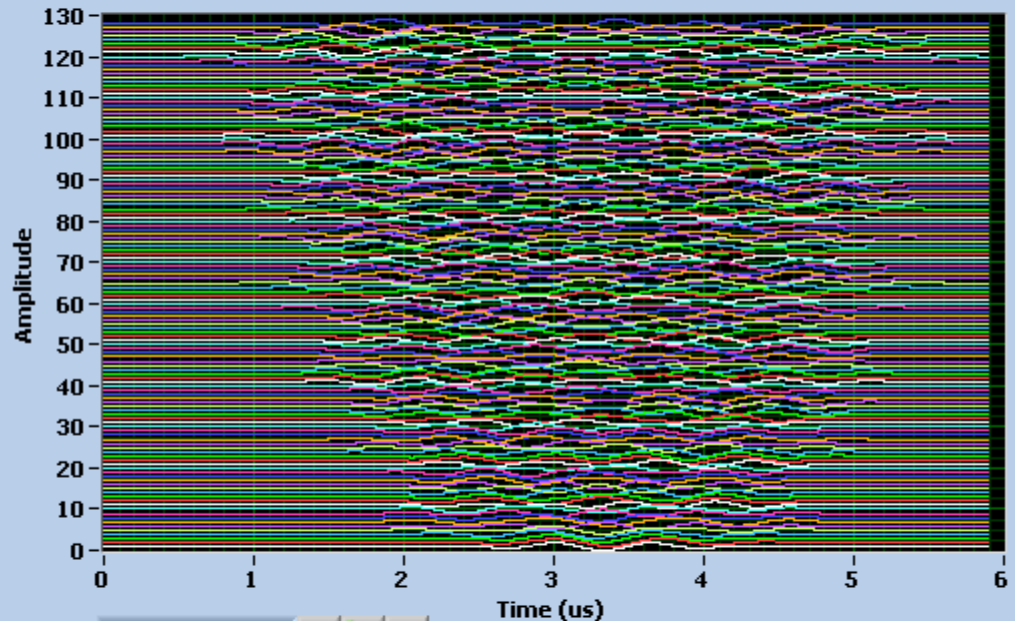
Delays 1		
Delays 1	1	1.4
Delays 2		
Delays 2	0	0.0









3 Setting All 45°Ext Name   8/64



Parameters Graph



RF

Color map



- Elem. 1 
- Elem. 2 
- Elem. 3 
- Elem. 4 
- Elem. 5 
- Elem. 6 
- Elem. 7 
- Elem. 8 

Time (us)   8.88

Amplitude   9.99



Apply