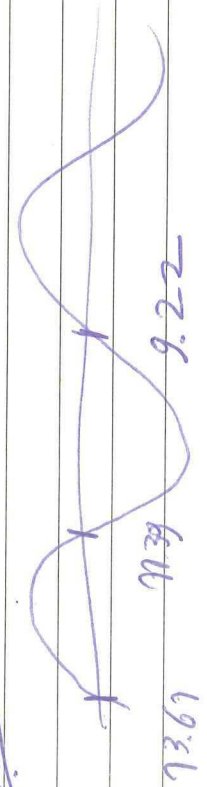


ZEBRO 2016-02-25

= Short circuit motor when standing still.

EM PRABT 2016-03-03  
 APPROACH I  
 07 55mm



$$\lambda = 4.39 \text{ cm}$$

MAX MIN  
 55mm: Sweep 246mVpp 0

DCM: -80mVdc 0

$$V_p = \lambda f = 4.39 \cdot 10^{-2} \text{ m} \cdot 9.475 \cdot 10^9 \text{ Hz}$$

$$= 416.10^6 \text{ m/s}$$

Die Hand nicht in die propagationswellen, das  
 ZC used

MAX MIN  
 33mm Sweep 250mVpp 0

DCM -80mVdc 0

Open MAC MIN  
 Sweep 124mVpp 60mVpp

DCM 56.9mVdc 26.5mVdc

$$VSWR = 2.06$$

$$VSWR = 2.17$$

Model

MAX.

MIN

SCOOP 103 mVpp

94 mVpp

DRM. 46.5 mVoc

41.8 mVoc

46.5

VSWR: 1.11

HORN

MAX

MIN

108 mVpp

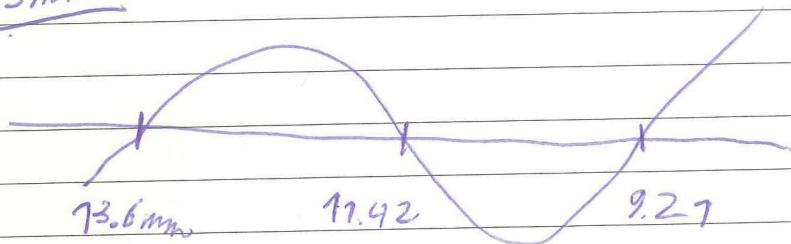
SCOOP ~~108 mVpp~~

88 mVpp

DRM 49.0 mVoc

39.3 mVoc

33 mm



Refold

Want

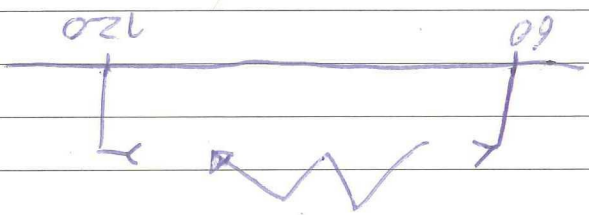
$$\Delta x = \frac{\lambda}{2}$$

EM PRACTICUM

Assignment 1.1

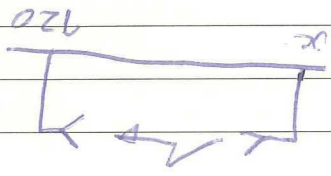
$f = 9.1 \text{ MHz}$

2016-03-24



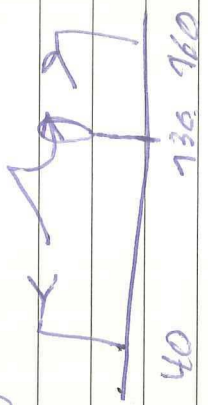
$M_{12}: V = 0.35 V_{AC} \quad x = 92.1 \text{ cm} \quad \Delta = 1.8 \text{ cm}$   
 $M_{13}: V = 0.38 V_{AC} \quad x = 90.3 \text{ cm} \quad \Delta = 9.8 \text{ cm}$   
 $M_{14}: V = 0.40 V_{AC} \quad x = 88.5 \text{ cm}$

Assignment 1.2



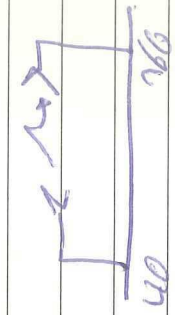
$x(\text{cm})$	$V(V)$
80	4.87
70	4.82
60	4.82
50	4.83
40	4.84
30	4.85
20	4.85
10	4.85

Verstärker gemessen typisch  
 Ausgang 9.3



Load: 2.04V  
 Net: 75mV  
 Diode: 7.97V  
 Output: 30mV  
 Vertical wire: 60mV  
 Horizontal wire: 1.90V

Design 7.4



M → H : 2.74V

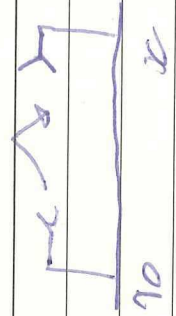
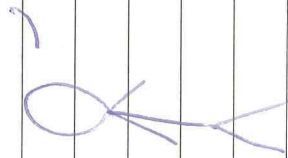
M → V : 7.4mV

Wires III and III 7.4mV

4.2V

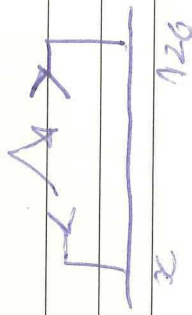
→ Almost 7V, max at 45°

W4000A

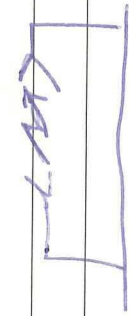


x (cm)	V (V)
130	4.85
150	4.85
160	4.98

Verstärker gemessen typisch



x (cm)	V (V)
80	4.74
70	3.46
60	2.86
50	2.27
40	1.74
30	1.33
20	1.07
10	0.86

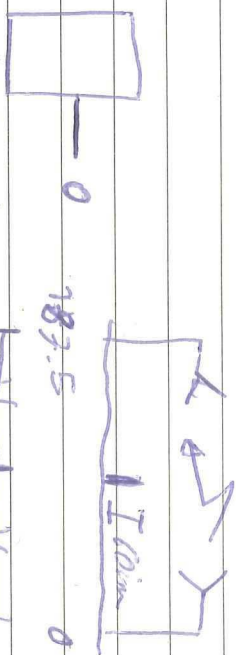


x (cm)	V (V)
130	0.75
140	0.63
150	0.52
160	0.45
170	0.39
180	0.36



Optics 2.1.

$$f = 9.475.$$



2.1.  $\theta$  circular polarized  
2.2. linear polarized



Assignment 2.3

Metal plate:  $650 \times 650 \text{ cm}$   
Placed on the mobile.

Neting 1, linear

Neting 2, circular (Assignment 2.4)

