

EKS: ARKIV TRK (A)

KATHREIN



Professionelle Antennen

UHF Transmitting Antenna
SKIEN
Type No. 765.958

KATHREIN - Werke KG - Bereich Professionelle Antennen
Postfach 260 - D-8200 Rosenheim - W.-Germany
Telefon (0 80 31) 184-0 - Telex 525787 - Telefax (0 80 31) 18 49 91

Constructional features see sheet 109

Frequency range 470 ... 790 MHz

Operating channel 24 / 34 / 44

Polarization horizontal

Impedance 50 Ohms

Gain, reference
half wave dipole 12,1 / 12,5 / 12,7 dB

V SWR < 1,05 in the operating channels

Horizontal radiation pattern see sheets 101

Vertical radiation pattern see sheets 102

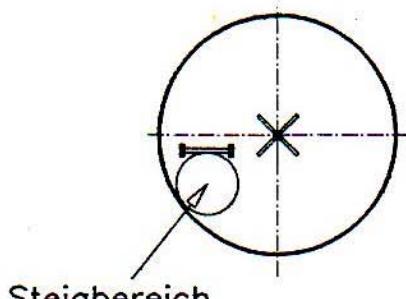
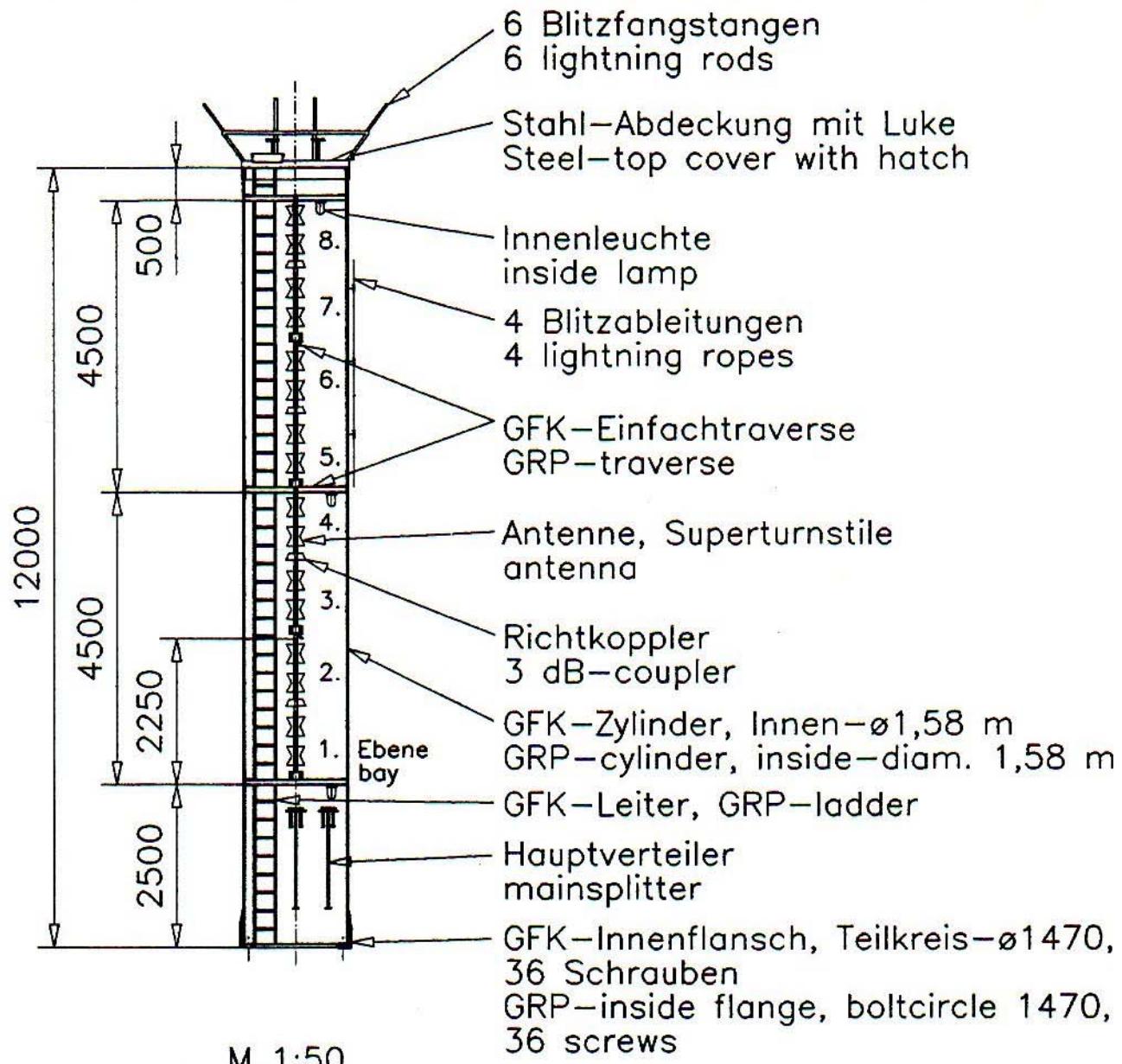
Max. power rate 2 x 20/1 kW

Input 4 1/2" EIA

Weight

Wind load

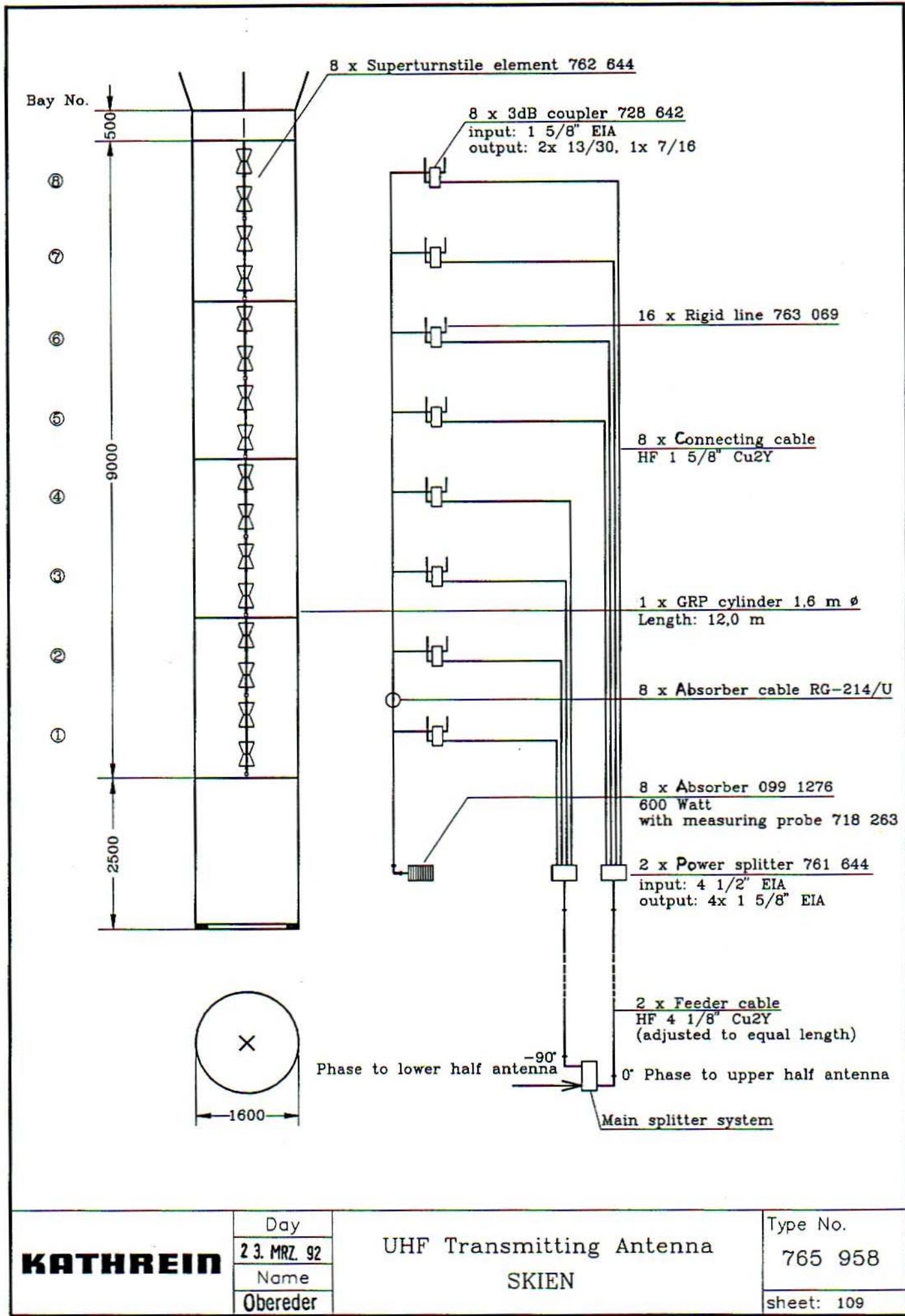
 KATHREIN	KATHREIN-Werke KG 82 ROSENHEIM 2	Date	UHF Transmitting Antenna SKIEN	Type No.
		21.1.92		765.958
		Sign.	Obereder	Sheet 111



10. APR. 1992

GRP = glass reinforced plastics

			Allgemein-toleranz	Rohgew. %	Oberfl.:		
					SENDEANTENNE TRANSMITTING ANTENNA SKIEN (NORWEGEN)		
					Masstab 1:100 1:50		
Bearb.	Tag	Name					
Bearb.	16.01.92	Heinrich W.					
Gepr.	27.01.92	Seebacher					
Ausgabe	Renderung	Tag	Name		Blatt 1		
KATHREIN					765 958		
					f/MHz 470 - 860		



Stück	Kabel Nr.	Phase (655,25MHz)	Gesamt- länge	Kabel Typ	Stecker Typ
1	(8)	125	12.849	HF 1 5/8" Cu2y (914.526)	2x 1 5/8" EIA (092.1163) 1 Stecker durchbohrt andere Seite markiert mit ANTENNE
1	(7)	60-90	13.036		
1	(6)	-10	13.012		
1	(5)	0-90	13.109		
1	(4)	-40-180+90	13.157		
1	(3)	-25-270+90	13.248		
1	(2)	-40-180+90	13.157		
1	(1)	0-270+90	13.217		
1	(8)		10.000	RG-214/U (914.541)	2x 7/16 (092.890)
1	(7)		9.000		
1	(6)		8.000		
1	(5)		7.000		
1	(4)		5.500		
1	(3)		4.500		
1	(2)		3.500		
1	(1)		2.500		

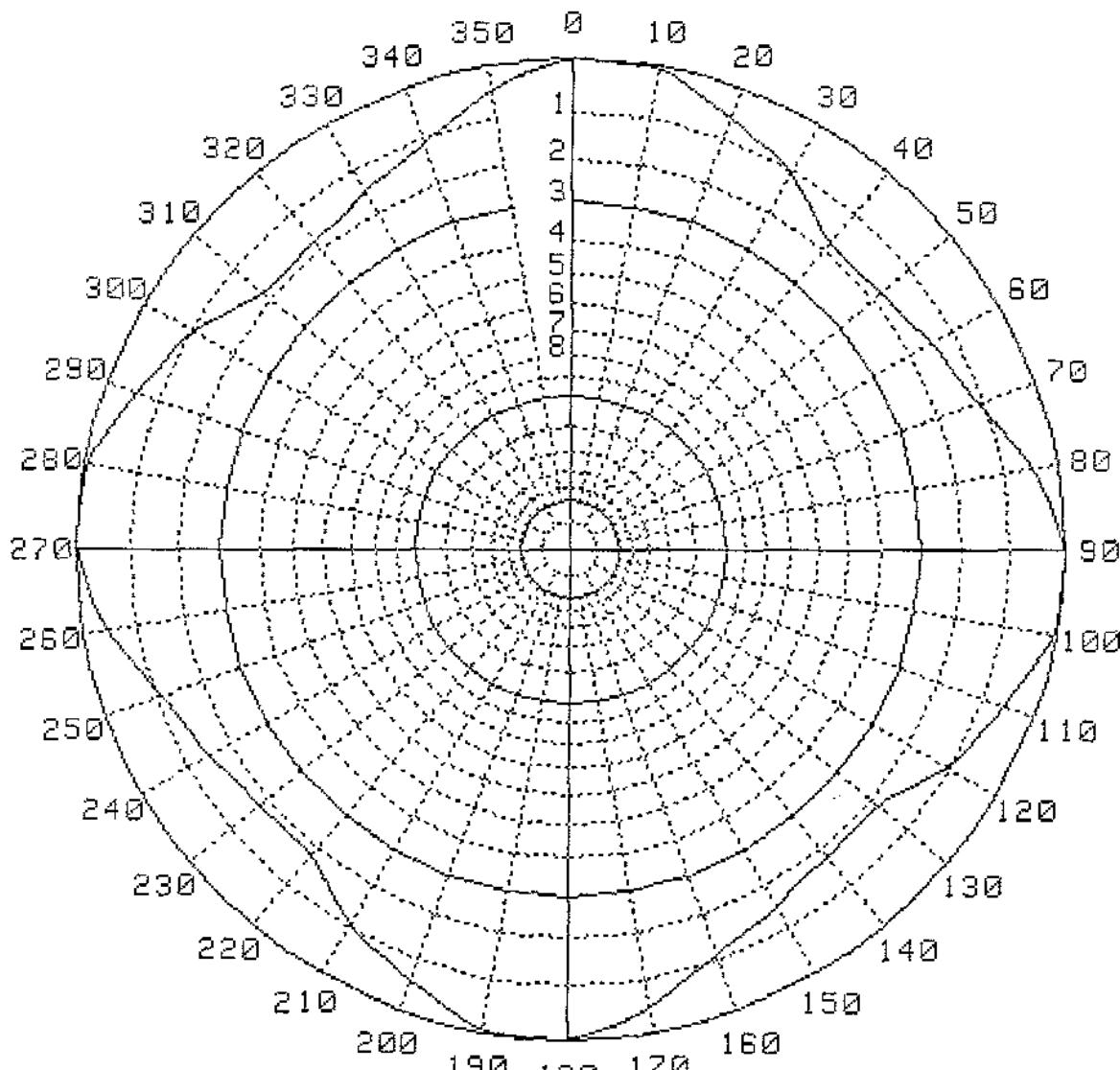
KATHREIN	Tag	UHF Transmitting Antenna SKIEN	Typ Nr.
	23.3.92		765 958
	Name		
	Obereder		Blatt: 115

Frequenz (MHz): 495.25

Datenfile Nr.: 401

Rzimut (Grad)	Abstand (mm)	Versatz(+/-mm)	Phase (Grad)	Leistung(-fach)
0.0	-25	0	0.0	1.00
90.0	-25	0	90.0	1.00
180.0	-25	0	180.0	1.00
270.0	-25	0	270.0	1.00

G_{max}/G_{mittel} (dB): 0.88



05-12-91

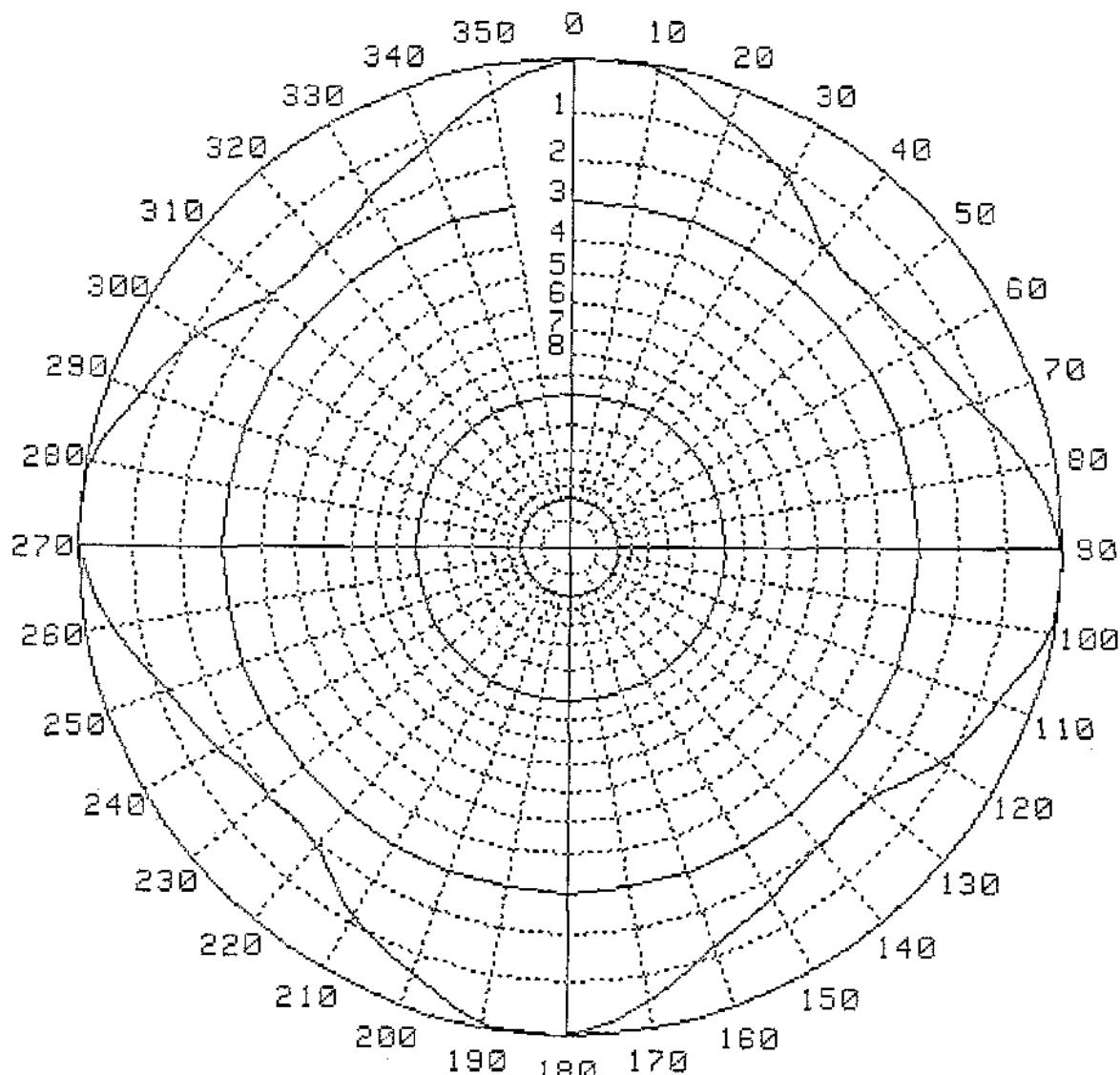
Horizontal Pattern of a Superturnstile Ant.
in a Selfsupporting GRP Cylinder

KATHREIN D-8200 ROSENHEIM PTR Obereder	UHF Transmitting Antenna SKIEN Channel 24	Typ Nr. 765958 Bl. 101
---	--	-------------------------------------

Frequenz (MHz): 575.25
Datenfile Nr. : 401

Azimut (Grad)	Abstand (mm)	Versatz(+/-mm)	Phase (Grad)	Leistung(-fach)
0.0	-18	0	0.0	1.00
90.0	-18	0	90.0	1.00
180.0	-18	0	180.0	1.00
270.0	-18	0	270.0	1.00

G_{max}/G_{mittel} (dB): 0.96



05-12-91

Horizontal Pattern of a Supertturnstile Ant.
in a Selfsupporting GRP Cylinder

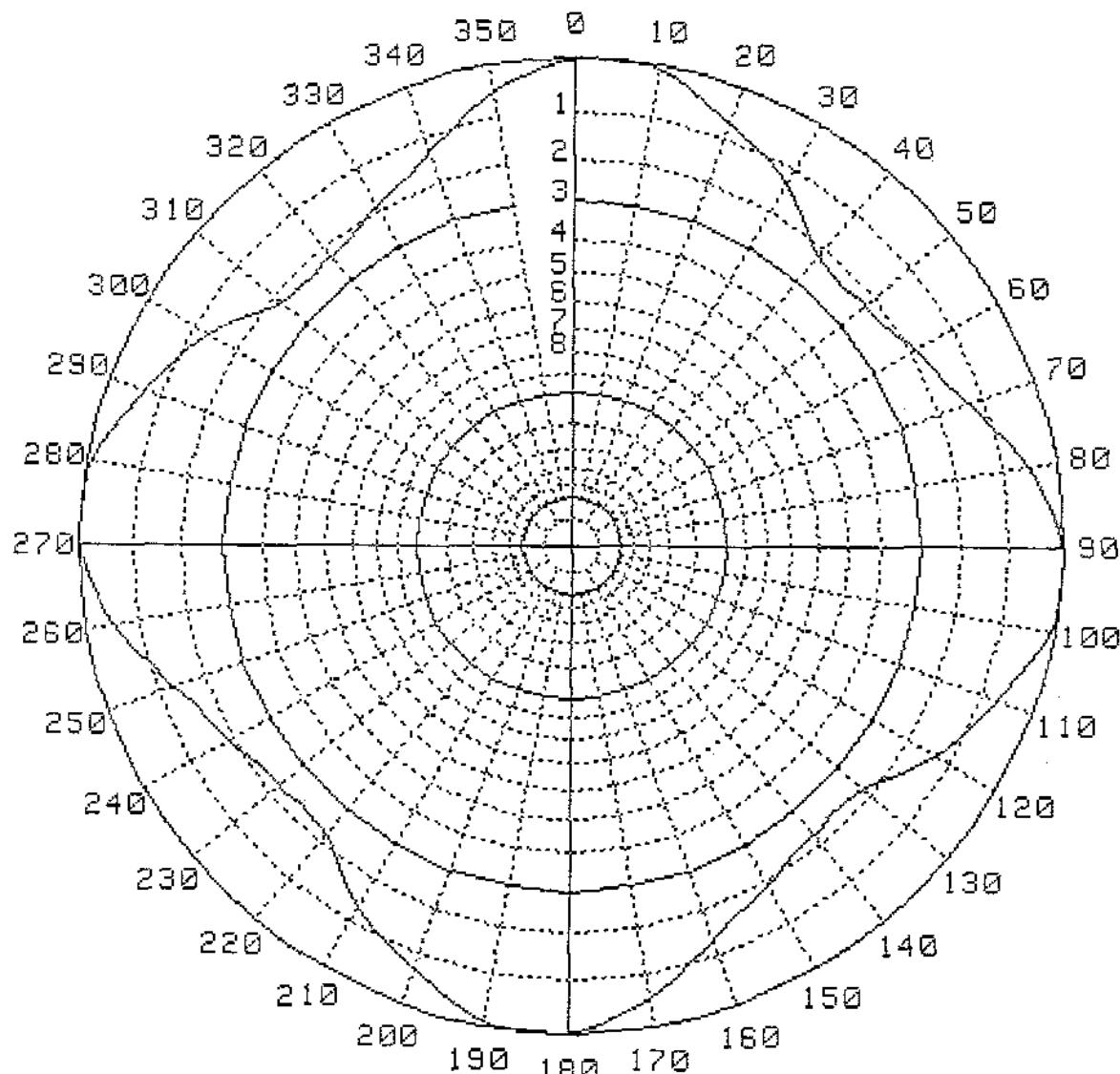
KATHREIN D-8200 ROSENHEIM PTR Obereder	UHF Transmitting Antenna SKIEH Channel 34	Typ Nr. 7 6 5 9 5 8 Bl. 101
---	--	-----------------------------------

Frequenz (MHz): 655,25

Datenfile Nr.: 401

Azimut (Grad)	Abstand (mm)	Versatz (+/-mm)	Phase (Grad)	Leistung (-fach)
0.0	-11	0	0.0	1.00
90.0	-11	0	90.0	1.00
180.0	-11	0	180.0	1.00
270.0	-11	0	270.0	1.00

G_{max}/G_{mittel} (dB): 1.08



85-12-91

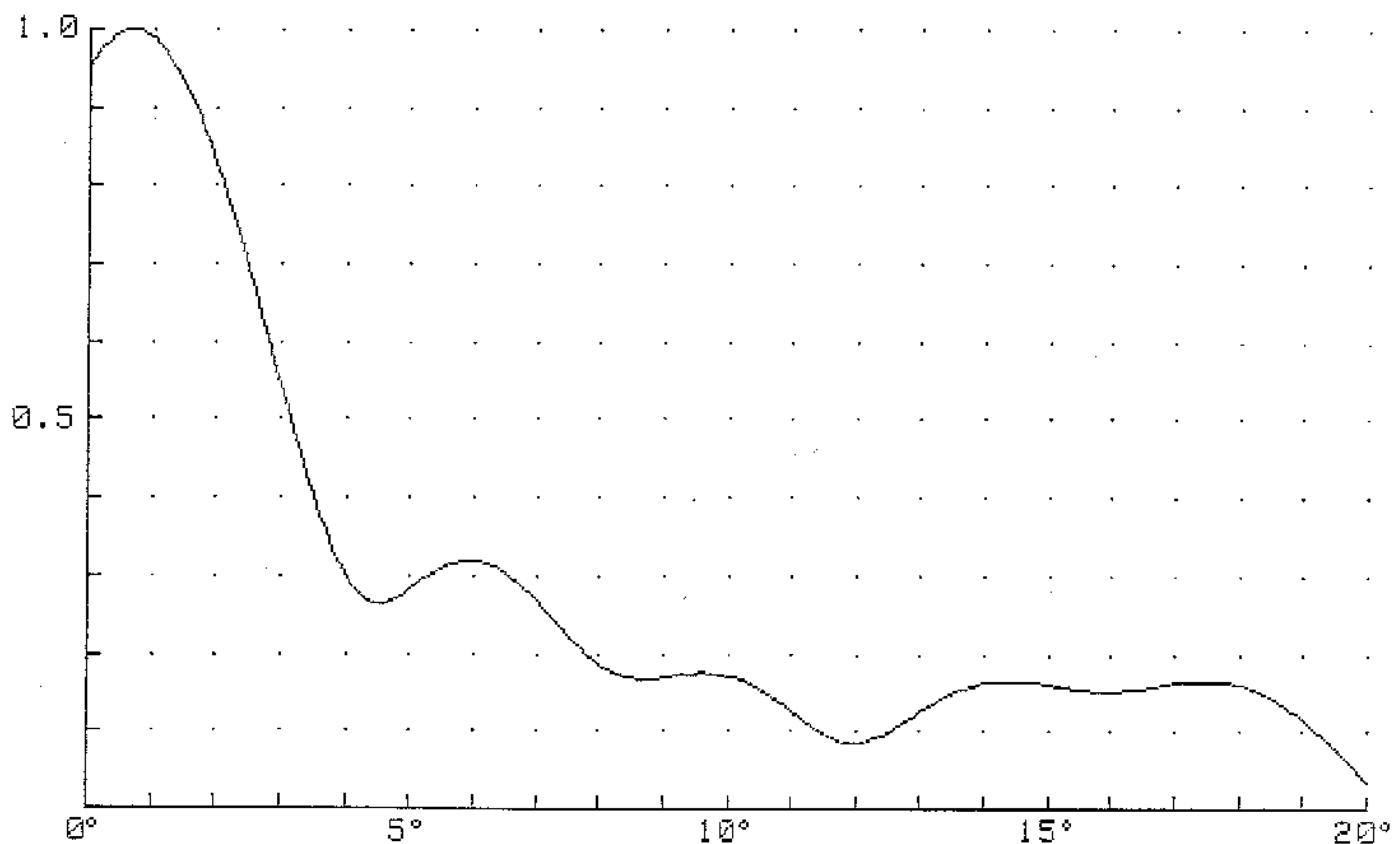
Horizontal Pattern of a Supertturnstile Ant.
in a Selfsupporting GRP Cylinder

KATHREIN D-8200 ROSENHEIM PTR Obereder	UHF Transmitting Antenna SKIEN Channel 44	Typ. Nr. 7 6 5 9 5 8 B1. 101
---	--	------------------------------------

Frequenz (MHz): 495.25
Datenfile Nr.: 181

Nr.	Abstand (mm)	Vorversatz(mm)	Phase (Grad)	Leistung(-fach)
8	1095	0	94.5	1.00
7	1155	0	67.3	1.00
6	1095	0	-7.6	1.00
5	1155	0	22.0	1.00
4	1095	0	-8.3	1.00
3	1155	0	25.1	1.00
2	1095	0	-8.3	1.00
1		0	44.0	1.00

E-Faktor: 0.86



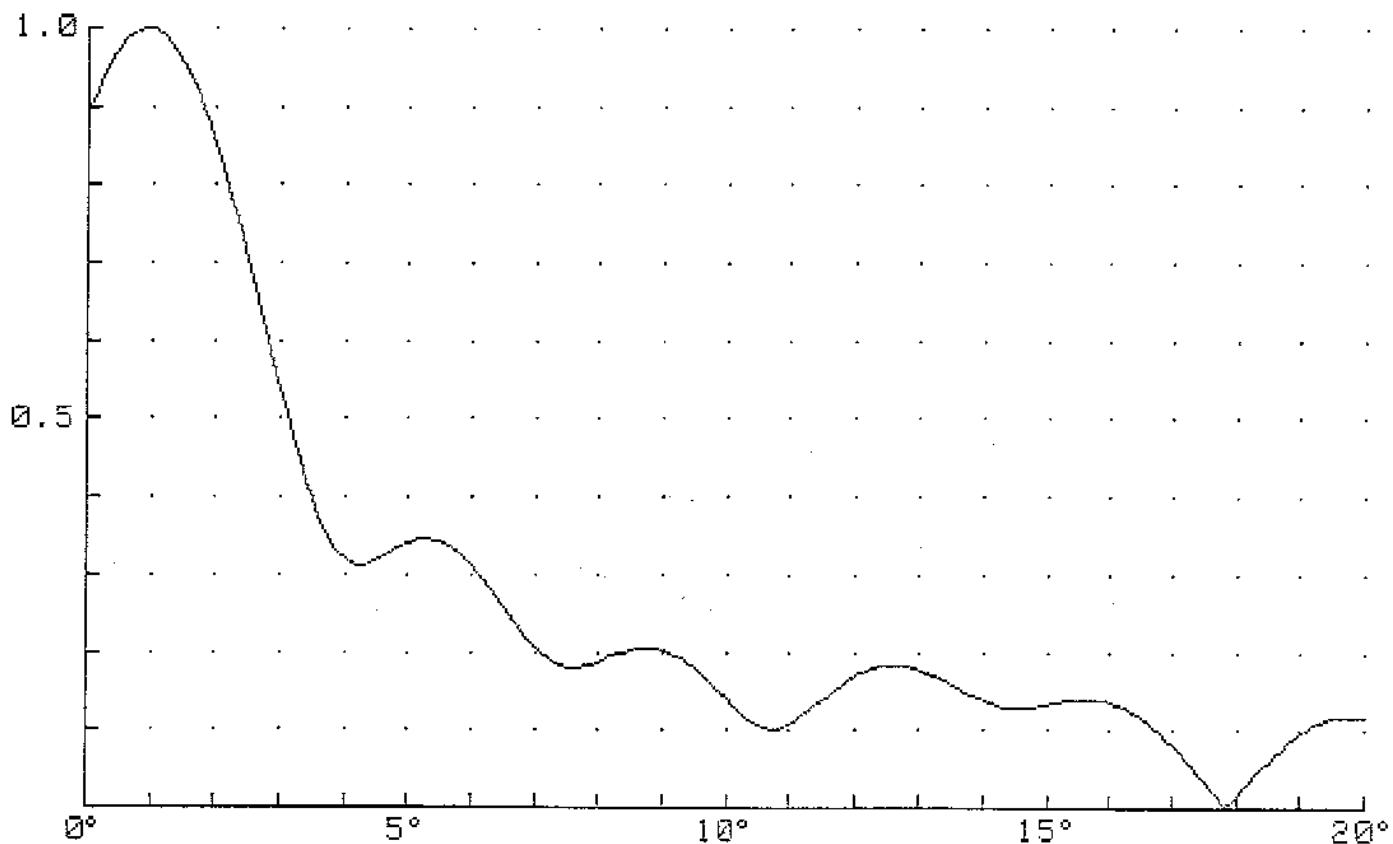
18-03-92

KATHREIN D-8200 ROSENHEIM PTR	UHF Transmitting Antenna SKIEN Channel 24	Typ Nr. 765.958 Bl. 102
--	--	-------------------------------

Frequenz (MHz): 575.25
Datenfile Nr.: 183

Nr.	Abstand (mm)	Vorversatz(mm)	Phase (Grad)	Leistung(-fach)
8	1095	0	109.7	1.00
7	1155	0	63.7	1.00
6	1095	0	-8.6	1.00
5	1155	0	11.0	1.00
4	1095	0	-24.1	1.00
3	1155	0	.0	1.00
2	1095	0	-24.1	1.00
1		0	22.0	1.00

E-Faktor: 0.84



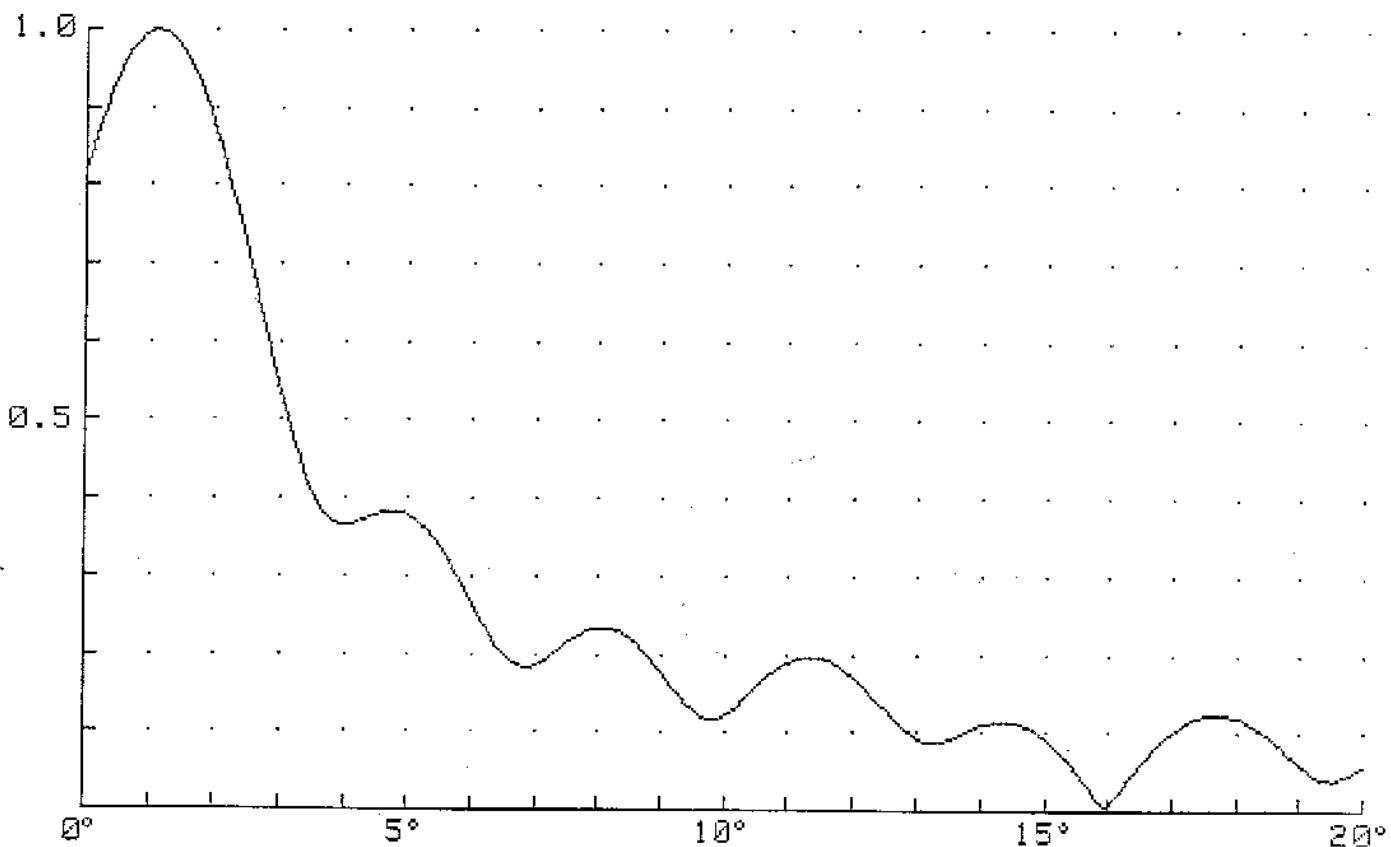
18-03-92

KATHREIN D-8200 ROSENHEIM PTR	UHF Transmitting Antenna SKIEN Channel 34	Typ Nr. 765.958 Bl. 102
--	---	-------------------------------

Frequenz (MHz): 655.25
Datenfile Nr.: 184

Nr.	Abstand (mm)	Vorversatz(mm)	Phase (Grad)	Leistung(-fach)
8	1095	0	125.0	1.00
7	1155	0	60.0	1.00
6	1095	0	-10.0	1.00
5	1155	0	0.0	1.00
4	1095	0	-40.0	1.00
3	1155	0	-25.0	1.00
2	1095	0	-40.0	1.00
1	1095	0	0.0	1.00

E-Faktor: 0.82

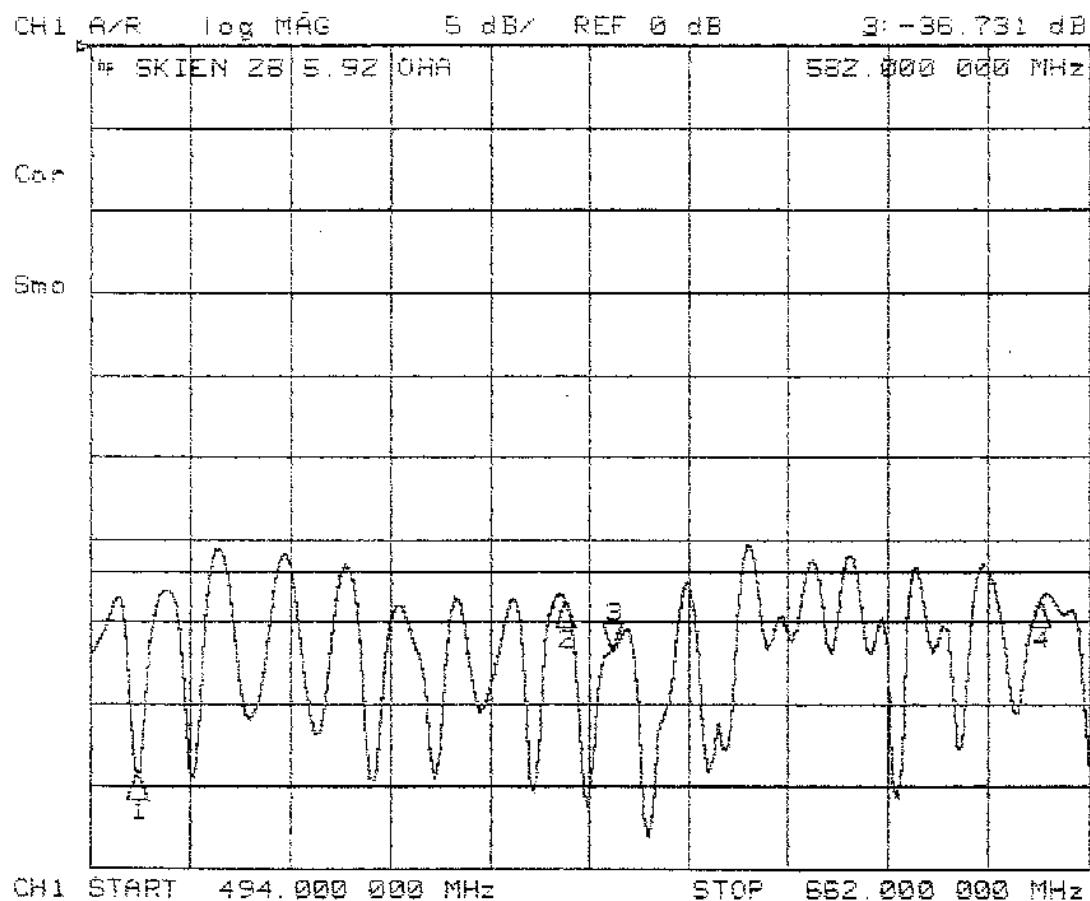


18-03-92

KATHREIN D-8200 ROSENHEIM PTR	UHF Transmitting Antenna SKIEN Channel 44	Typ Nr. 765.958 Bl. 102
--	--	-------------------------------

Werksmessung

Rückflußdämpfung



Werksmessung

Rückflußdämpfung

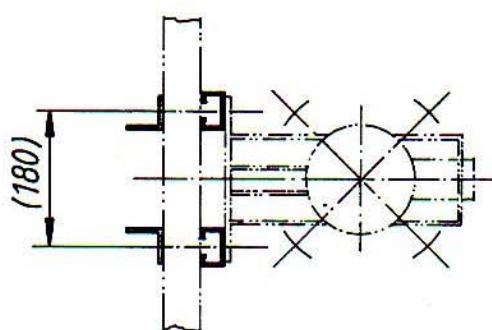
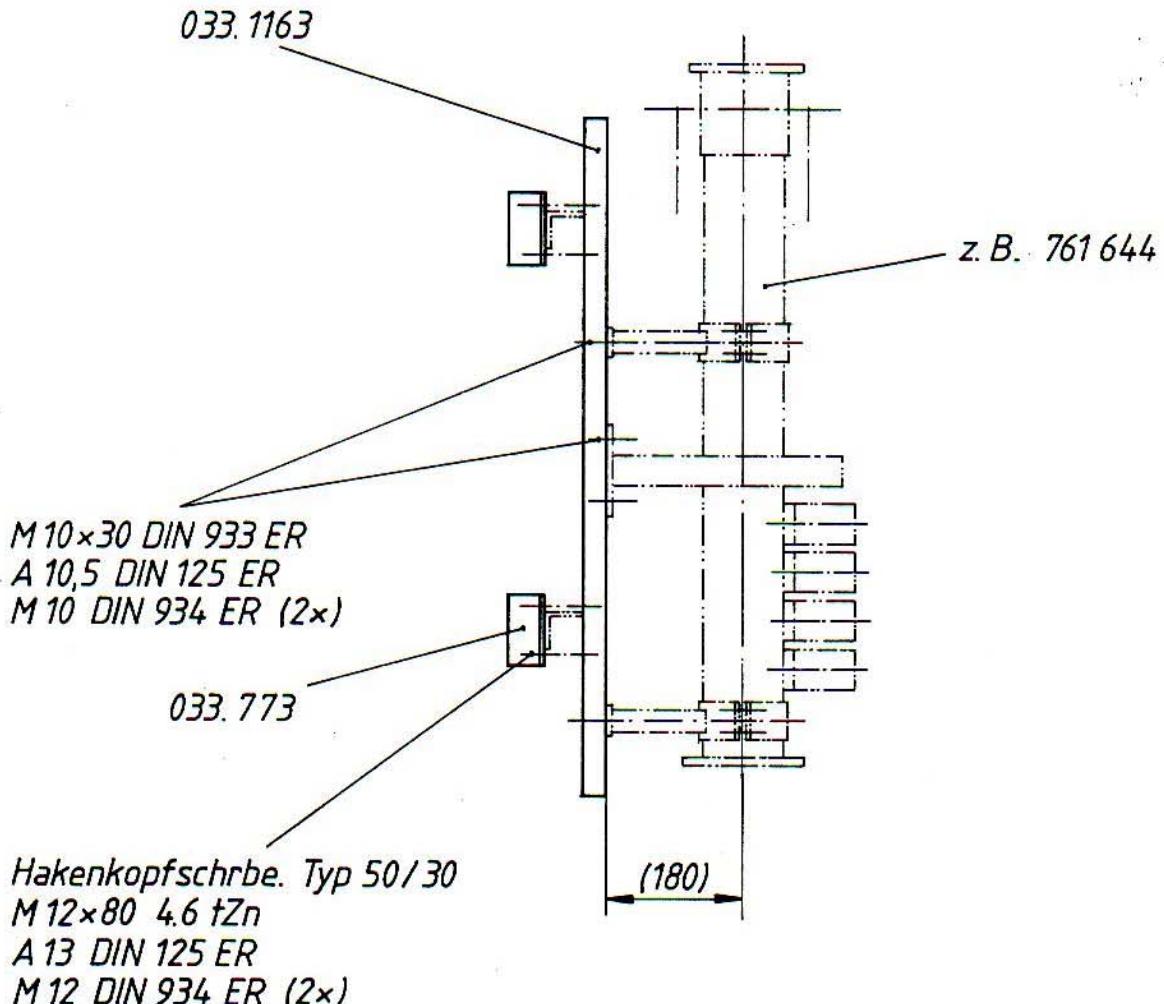
Item	Qty	Designation	Number	Remarks
1	8	UHF Supertturnstile	762 644	
2	8	3-dB coupler	728 642	
3	16	U-iron 13/30	763 069	
4	2	Main splitter 4-way, tuneable	761 644	input 4 1/2" EIA outputs 1 5/8" EIA
5	2	Fixation splitter	763 231	
6	16	Coupling element 1 5/8"	092 1110	BN 91 11 10
7	8	Measuring probe	718 263	
8	8	Absorber 600 Watt	099 1276	BN 52 77 39
9	400	Tie 338 mm	072 135	
10	250	Tie TY 29 MX	072 613	
11	140	Cable clamps K 52 U	132 080	
12	140	Cable clamps K 12 U	132 117	
13	8	Elbow 7/16	092 930	BN 29 64 00
14	1	GRP-cylinder, complete	765 958-50	Manuf.: IBK
15	5	Protection cap	018 232	GNP 250/54
16	2	Elbow	033 1779	
17	16	Elbow	033 2543	
18	6	Plate	035 1435	
19	1	Plate	035 2617	
20	6	Cable shelf, welded	133 1138	
21	2	Fixation, welded	133 1780	
22	2	Support, welded	133 1781	
23	1	Fixation for absorber	133 1965	

KATHREIN-WERKE		UHF Transmitting Antenna S K I E N	Type No.
Date	/ Name		765 958
23.4.92	Perz	Sheet 114.1	

Item	Qty	Designation	Number	Remarks
24	8	Fixation, welded	133 2544	
25	5	Fixation, welded	133 2545	
26	4	Connecting piece, welded	133 2546	
27	4	Connecting piece, welded	133 2547	
28	2	Fixation, welded	152 1412	
29	1	Safety device system (safety ropes, etc.)	172 657	
30	3	Bulb 100 W	072 1150	
31	3	Standard lamp	172 658	type 532+FASSG
32	1	Switch HNA	172 664	type 119
33	1	Junction box	172 751	type 232/1
34	2	Junction box	172 752	type 232/D
35	17	m earthing cable	914 083	type NYCY 3x1,5
36	4	Sikaflex	995 132	221 T, grey
37	1	Cabling	765 958-80	see sheet 115

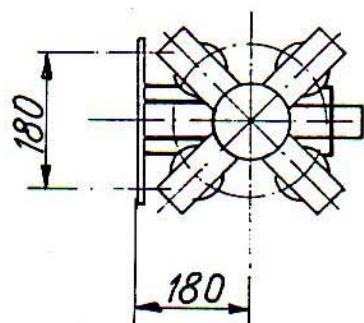
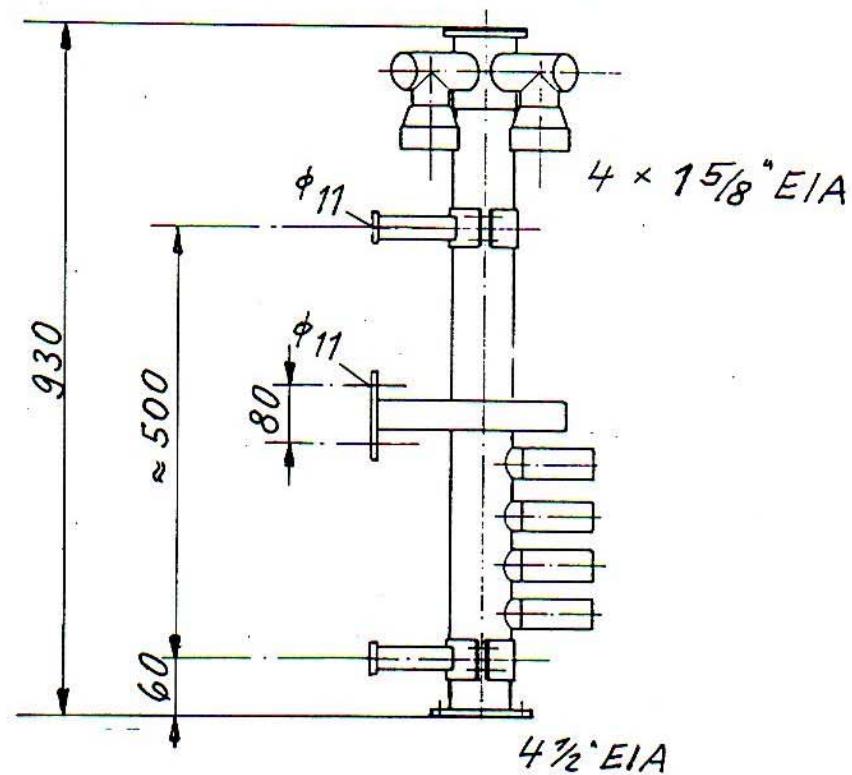
KATHREIN-WERKE		UHF Transmitting Antenna S K I E N	Type No.
Date	/ Name		765 958
23.4.92	Perz		Sheet 114.2

Für diese Technische Unterlage behalten
wir uns alle Rechte vor (DIN 34).

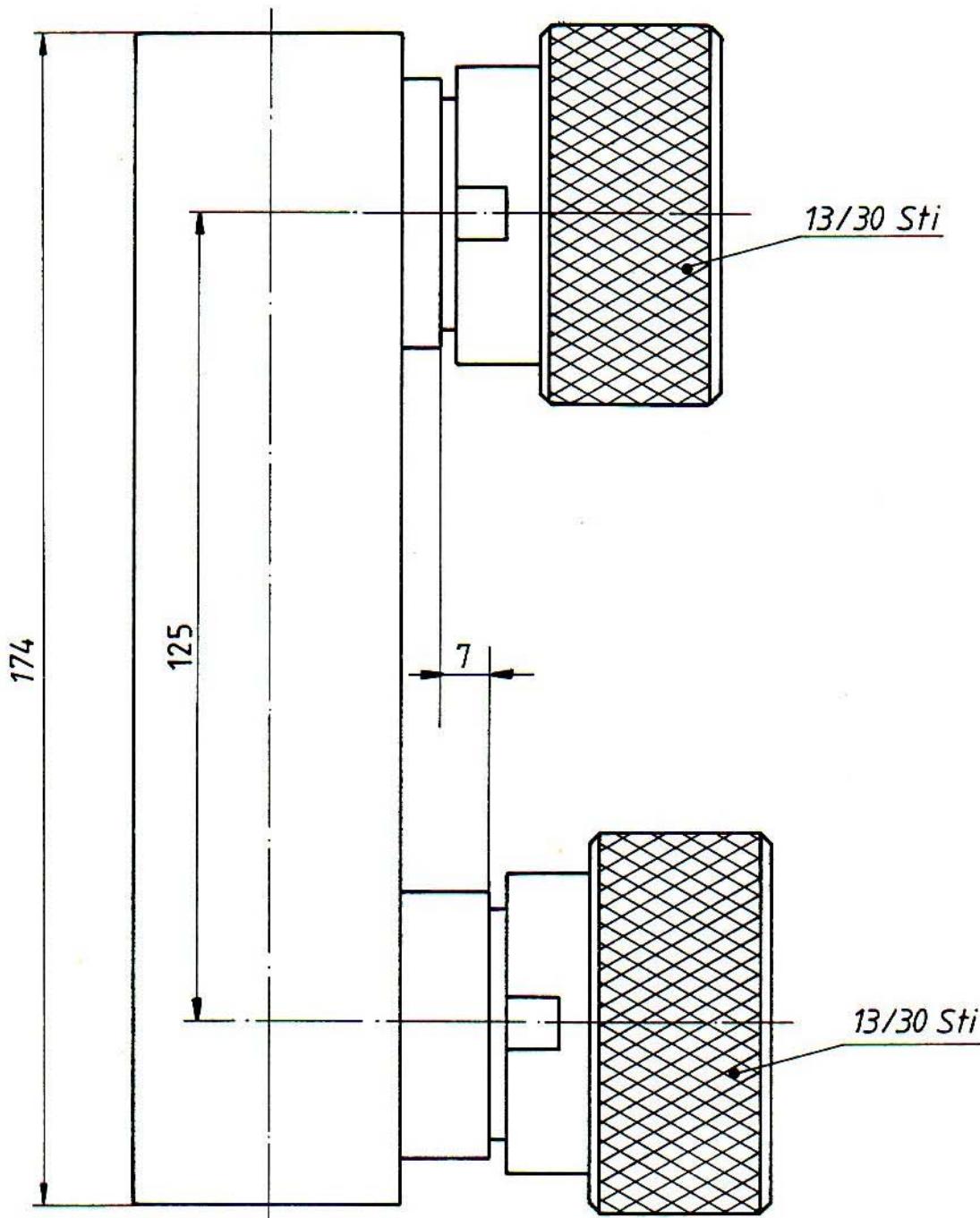


10. APR. 1992

Für diese Zeichnung behalten wir uns alle Rechte vor.
Diese Zeichnung darf ohne meine Genehmigung weder
kopiert noch drucken Personen oder Konkurrenzfirmen
mitgeteilt werden. (§ 1, Ziff. 3 des Ges. v. 19. Juni 1901)

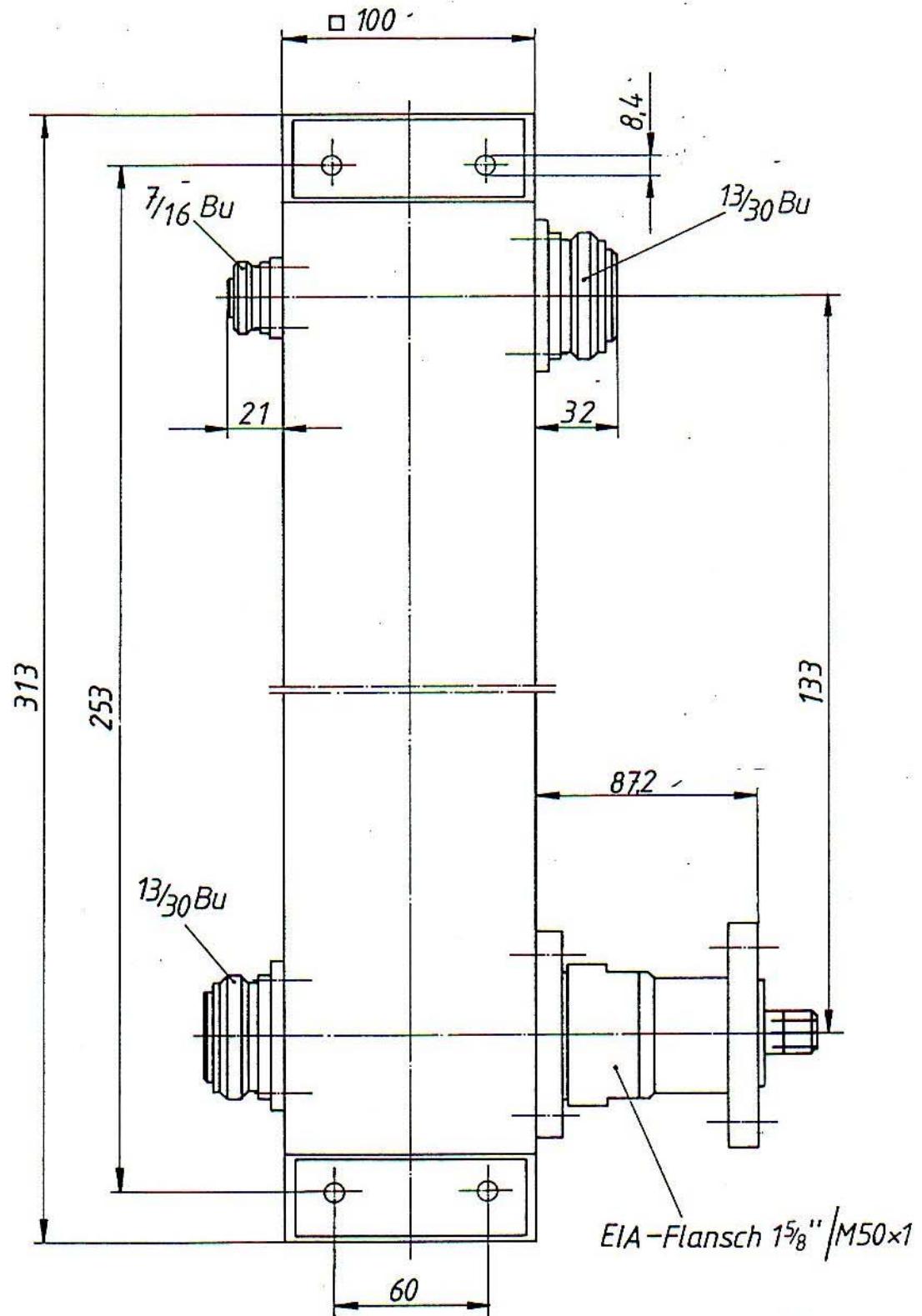


10. APR. 1992



10. APR. 1992

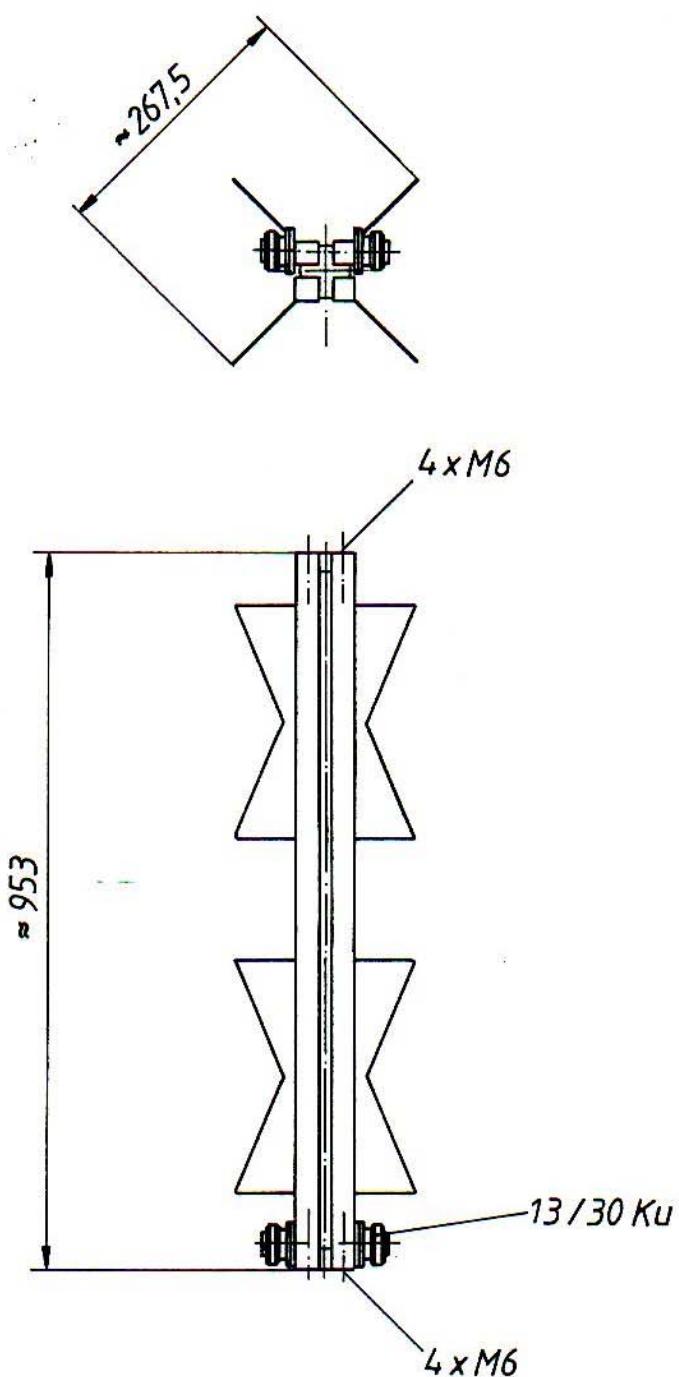
Für diese Zeichnung behalten wir uns alle Rechte vor.
Diese Zeichnung darf ohne meine Genehmigung weder
kopiert noch an dritte Personen oder Konkurrenzfirmen
mitgeteilt werden. Ig. Ziff. 3 des Ges. v. 19. Juni 1901



10. APR. 1992

			<i>Freimäßtoleranz</i>	<i>Rohgew. %</i>	<i>Oberfl.: RAL 7032</i>	
			<i>1589</i>	<i>Tag</i>	<i>Name</i>	
			<i>Bearb.</i>	<i>31.10.</i>	<i>S. H. W.</i>	
			<i>Gepr.</i>	<i>6.11.</i>	<i>H. J. F.</i>	
					<i>3 dB-Koppler</i>	<i>Maßstab</i>
						<i>1:25</i>
					<i>728 642</i>	<i>Blatt</i>
						<i>1</i>
<i>Aus-</i> <i>gabe</i>	<i>Anderung</i>	<i>Tag</i>	<i>Name</i>	<i>KATHREIN-Werke KG</i>	<i>UHF</i>	
				<i>82 Rosenheim 2</i>		

Für diese Technische Unterlage behalten
wir uns alle Rechte vor (DIN 34)



10. APR. 1992

Gummi Zwischenlage 1)
rubber pad

chbruch im Riffelblech 1)
or main coaxial cables

Für diese Technische Unterlage behalten wir uns alle Rechte vor (DIN 34).

ER = stainless steel
tZn = hot dip galvanized

Index 2) Lieferumfang	NORWEGIAN TELECOM
Index 2) supplier	NORWEGIAN TELECOM
Index 1) Lieferumfang	Fa. IBK
Index 1) supplier	IBK company
ohne Index Liferumfang	Fa. Kathrein
without Index supplier	KATHREIN company

10 APR. 1992