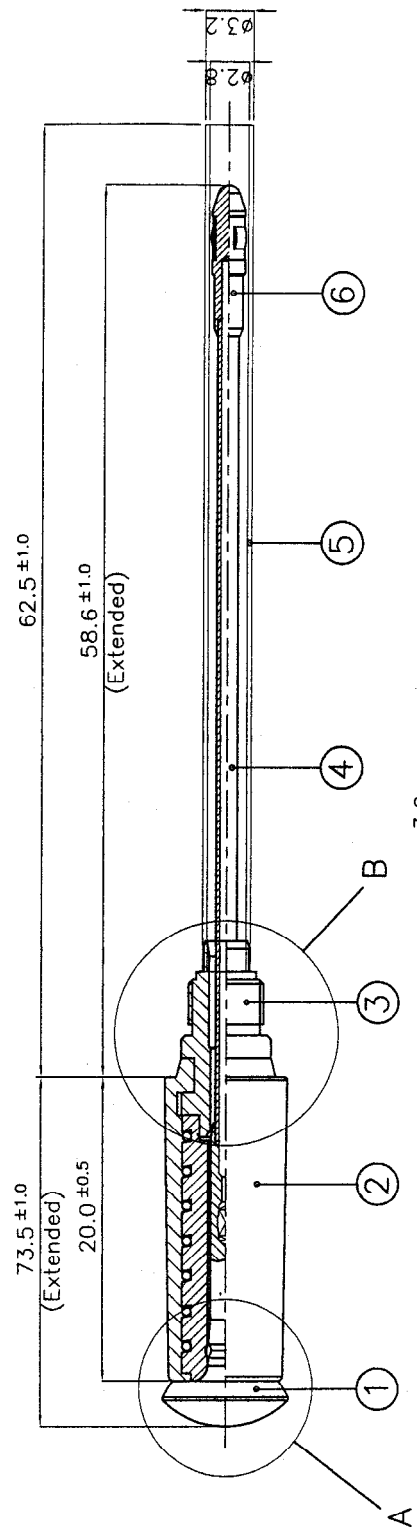
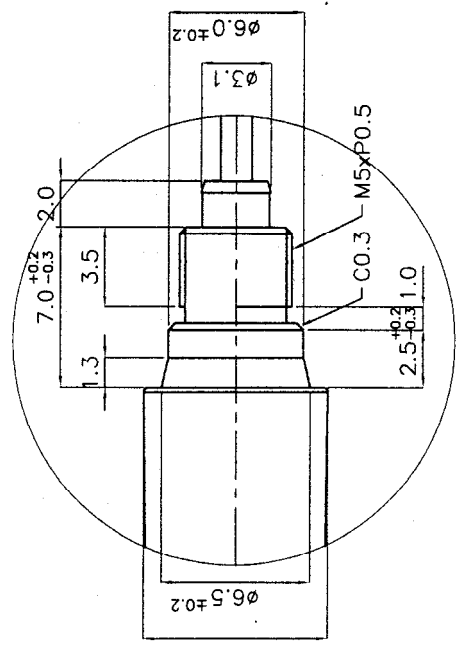
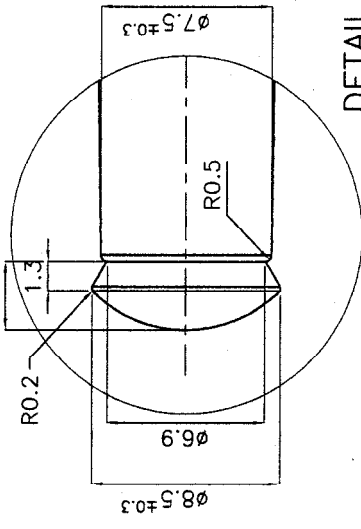


No.	CHANGE CONTENTS	REVISION	CHANGE CAUSE
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NOTE
1. 일반공차: ± 0.2
2. RETRACTION & EXTENDING FORCE:
- TOP 이탈력: 100gf ~ 400gf
- STOPPER 이탈력: 150gf ~ 450gf

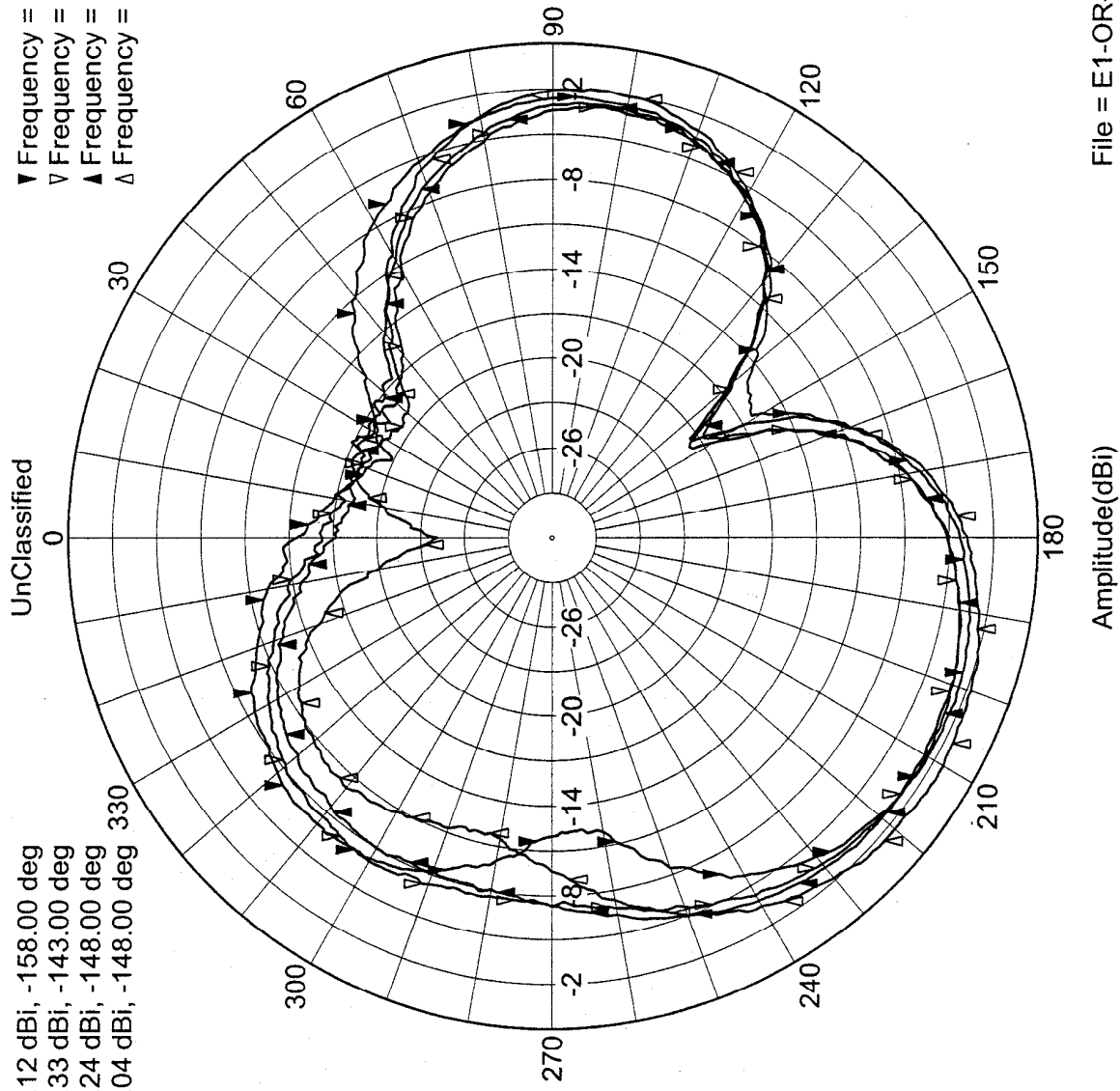


No	STOPPER ASS'Y	1	KSD5101-C3804	NI PLATED	IR
5	GUIDE TUBE	1	P.P	BLACK	IR
4	E/L TUBE	1	P.B.T	GRAY COLOR	IR
3	METAL	1	KSD5101-C3804	NI PLATED	IR
2	COVER	1	SANTOPHENE	GRAY COLOR	IR
1	TOP ASS'Y	1	PA86(ZYTEL E101L)	GRAY COLOR	IR
No	PART No.	DESCRIPTION	Q'TY	MATERIAL	REMARKS
MATERIAL	N/A	DRAW	DESIGN	CHECK	APPRO.
FINISH	N/A	K.H.G			ASSY APPRO
TOLERANCE	Decimal X ±0.1 XX ±0.05	Angle			PART NO.
SCALE	2/1	UNIT mm	MODEL	DB-525	DWG NO.
REVISION	IR	SHEET	CP NAME		ACE TECHNOLOGY A4

Antenna Radiation Pattern

Beam Peak = -2.12 dBi, -158.00 deg
 Beam Peak = -2.33 dBi, -143.00 deg
 Beam Peak = -2.24 dBi, -148.00 deg
 Beam Peak = -1.04 dBi, -148.00 deg

▼ Frequency = 1.850 (GHz)
 ▽ Frequency = 1.910 (GHz)
 ▲ Frequency = 1.930 (GHz)
 △ Frequency = 1.990 (GHz)



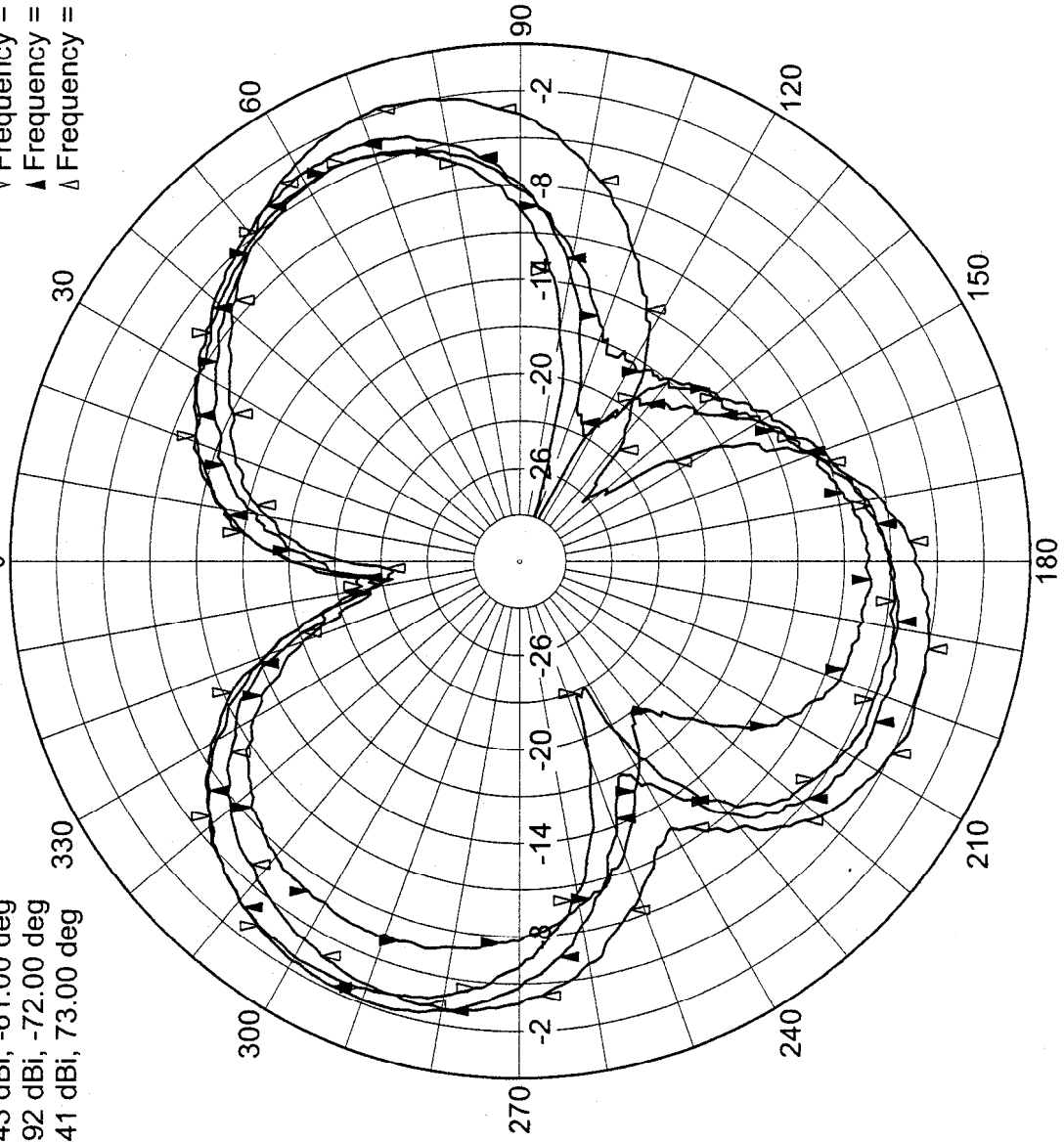
File = E1-OR-ACE.pat

Antenna Radiation Pattern

Beam Peak = -3.66 dBi, 64.00 deg
 Beam Peak = -2.43 dBi, -61.00 deg
 Beam Peak = -1.92 dBi, -72.00 deg
 Beam Peak = -1.41 dBi, 73.00 deg

UnClassified

▼ Frequency = 1.850 (GHz)
 ▽ Frequency = 1.910 (GHz)
 ▲ Frequency = 1.930 (GHz)
 △ Frequency = 1.990 (GHz)



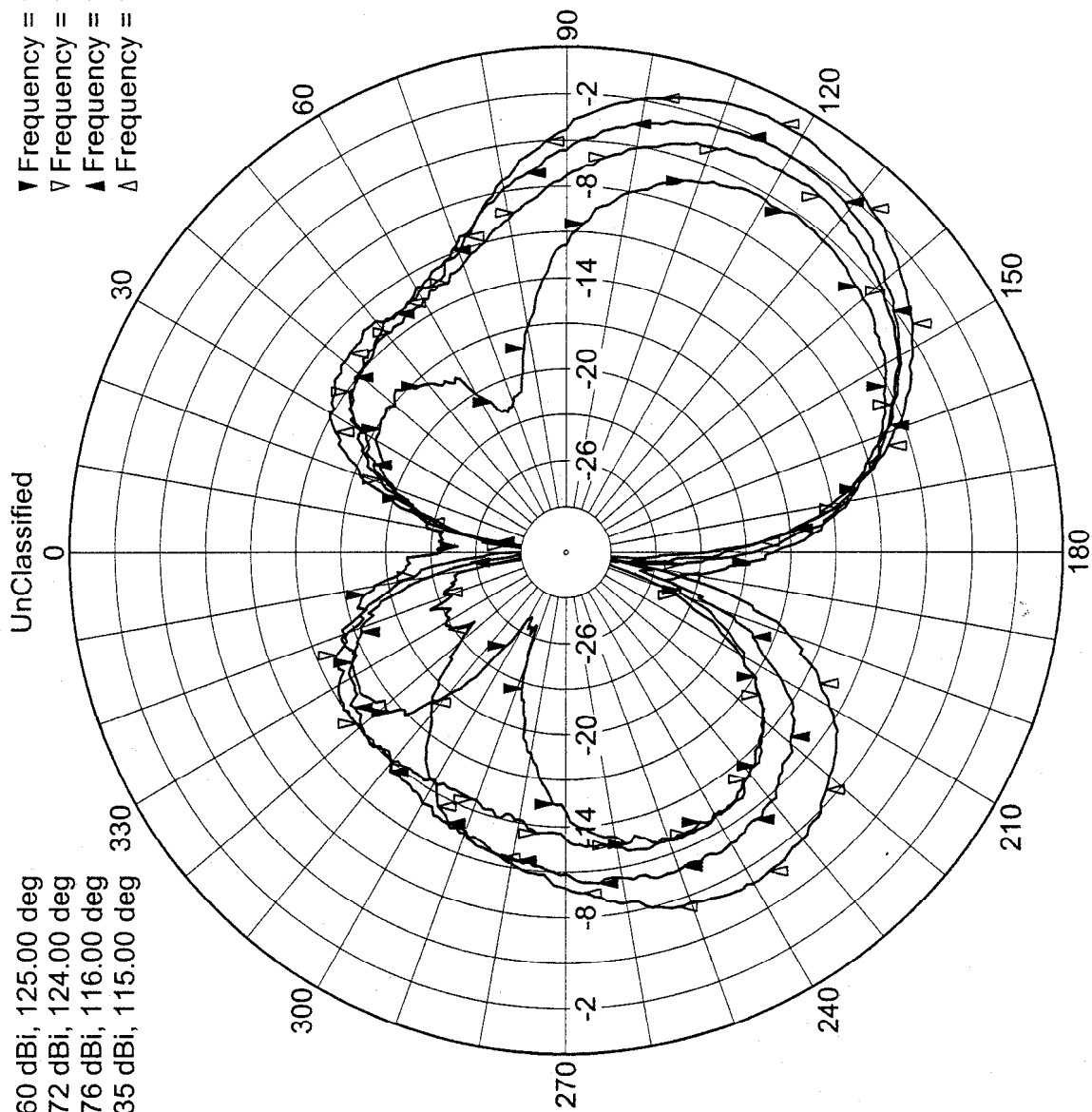
Amplitude(dBi)

File = E1-OE-ACE.pat

Antenna Radiation Pattern

Beam Peak = -4.60 dBi, 125.00 deg
 Beam Peak = -2.72 dBi, 124.00 deg
 Beam Peak = -1.76 dBi, 116.00 deg
 Beam Peak = -0.35 dBi, 115.00 deg

▼ Frequency = 1.850 (GHz)
 ▽ Frequency = 1.910 (GHz)
 ▲ Frequency = 1.930 (GHz)
 △ Frequency = 1.990 (GHz)



Amplitude(dBi)

File = E2-OR-ACE.pat

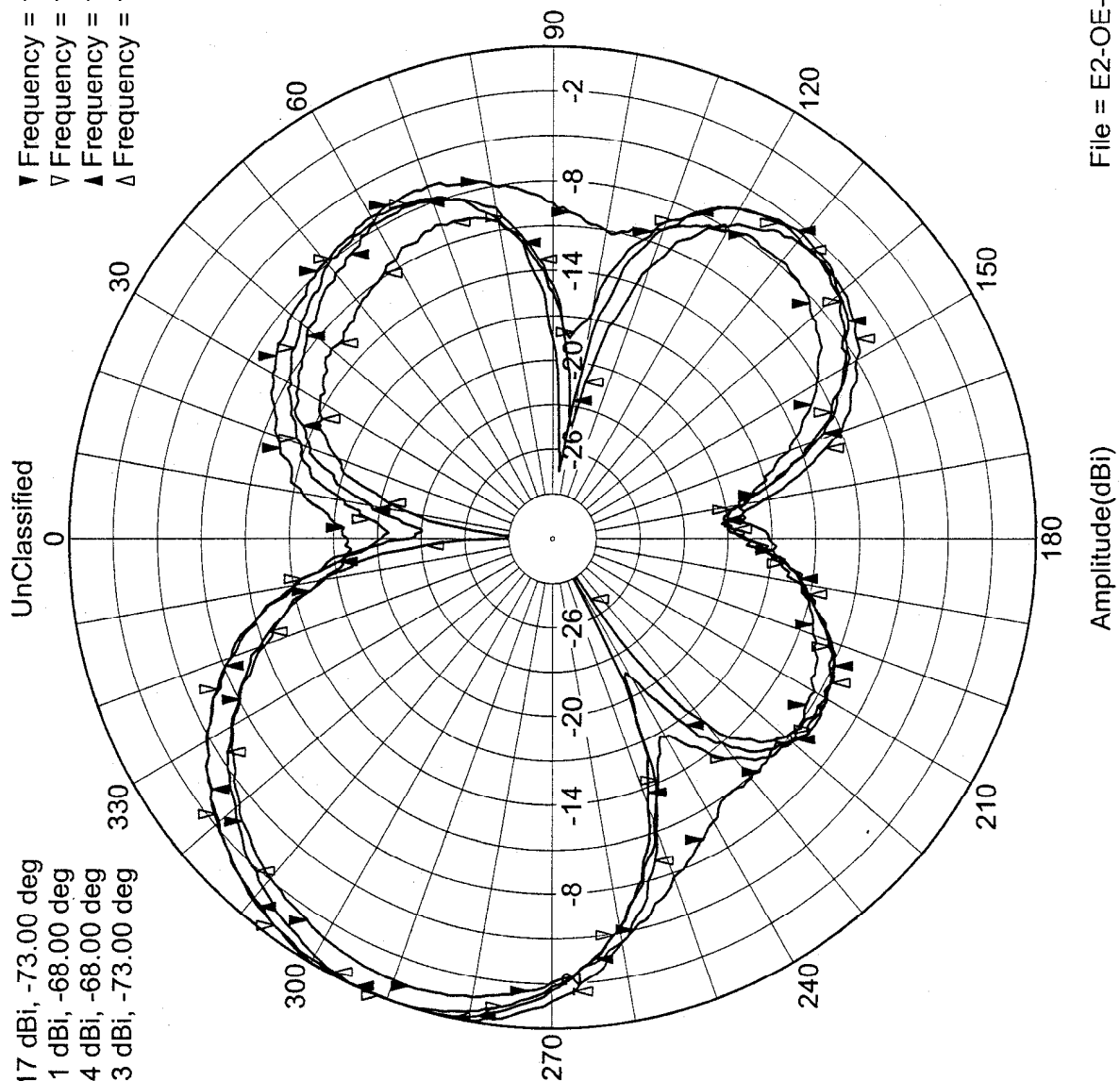


ACE TECHNOLOGY

Antenna Radiation Pattern

Beam Peak = -0.17 dBi, -73.00 deg
 Beam Peak = 1.11 dBi, -68.00 deg
 Beam Peak = 1.34 dBi, -68.00 deg
 Beam Peak = 1.23 dBi, -73.00 deg

▼ Frequency = 1.850 (GHz)
 ▽ Frequency = 1.910 (GHz)
 ▲ Frequency = 1.930 (GHz)
 △ Frequency = 1.990 (GHz)

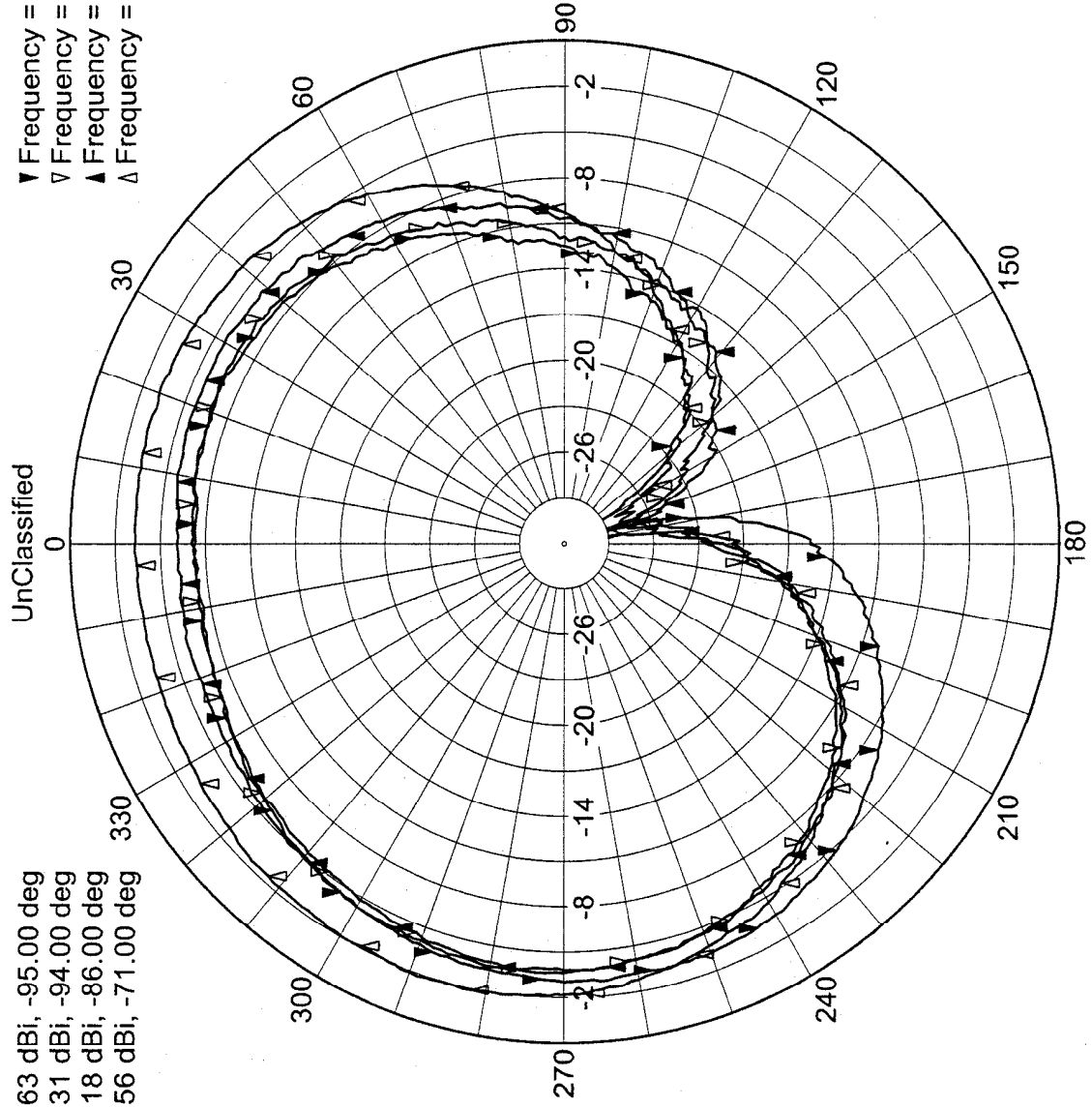


File = E2-OE-ACE.pat

Antenna Radiation Pattern

▼ Frequency = 1.850 (GHz)
 ▽ Frequency = 1.910 (GHz)
 ▲ Frequency = 1.930 (GHz)
 △ Frequency = 1.990 (GHz)

Beam Peak = -2.63 dBi, -95.00 deg
 Beam Peak = -3.31 dBi, -94.00 deg
 Beam Peak = -3.18 dBi, -86.00 deg
 Beam Peak = -1.56 dBi, -71.00 deg



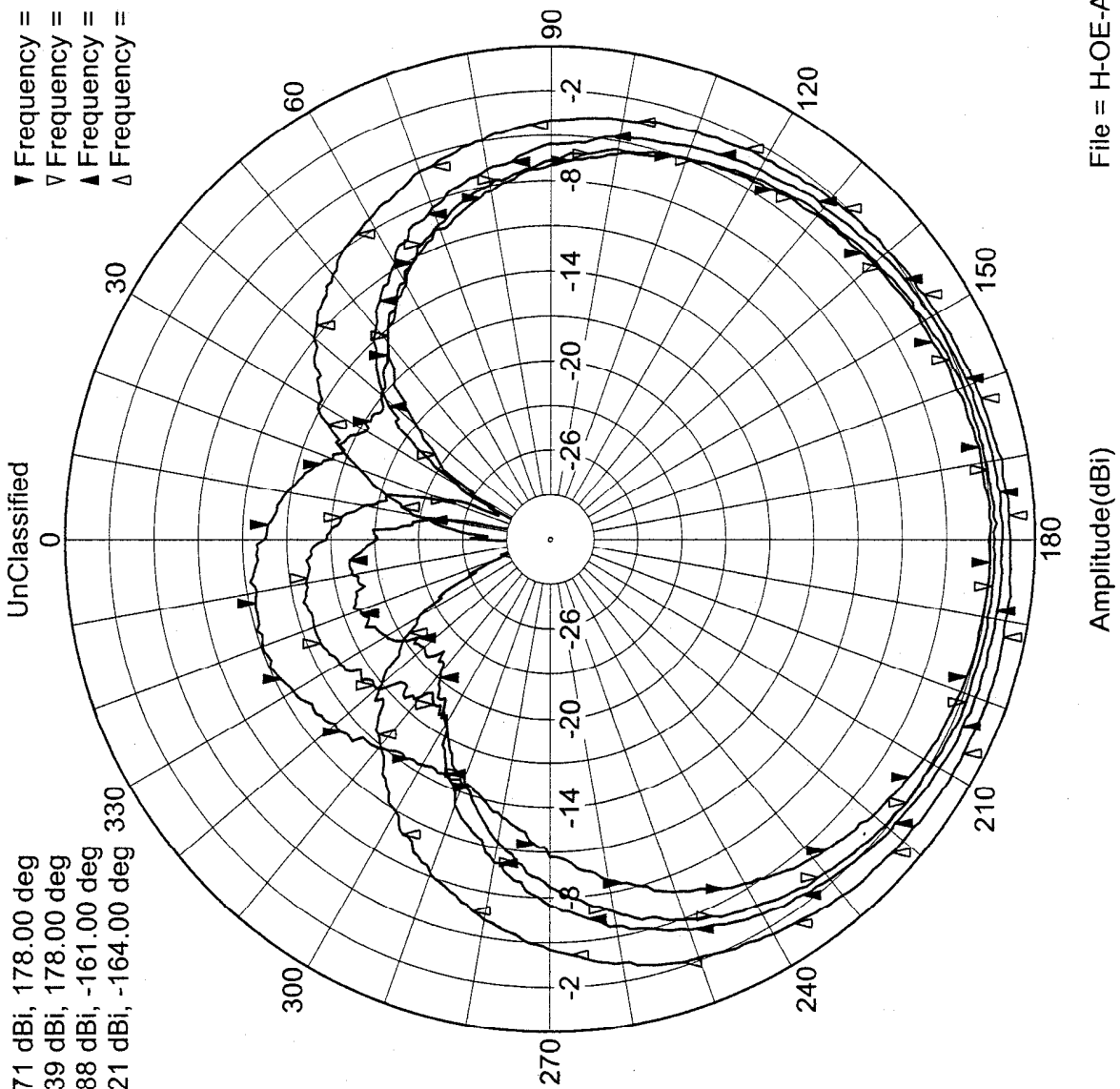
File = H-OR-ACE.pat

Amplitude(dBi)

Antenna Radiation Pattern

Beam Peak = -1.71 dBi, 178.00 deg
 Beam Peak = -1.39 dBi, 178.00 deg
 Beam Peak = -0.88 dBi, -161.00 deg
 Beam Peak = -0.21 dBi, -164.00 deg

▼ Frequency = 1.850 (GHz)
 ▽ Frequency = 1.910 (GHz)
 ▲ Frequency = 1.930 (GHz)
 △ Frequency = 1.990 (GHz)

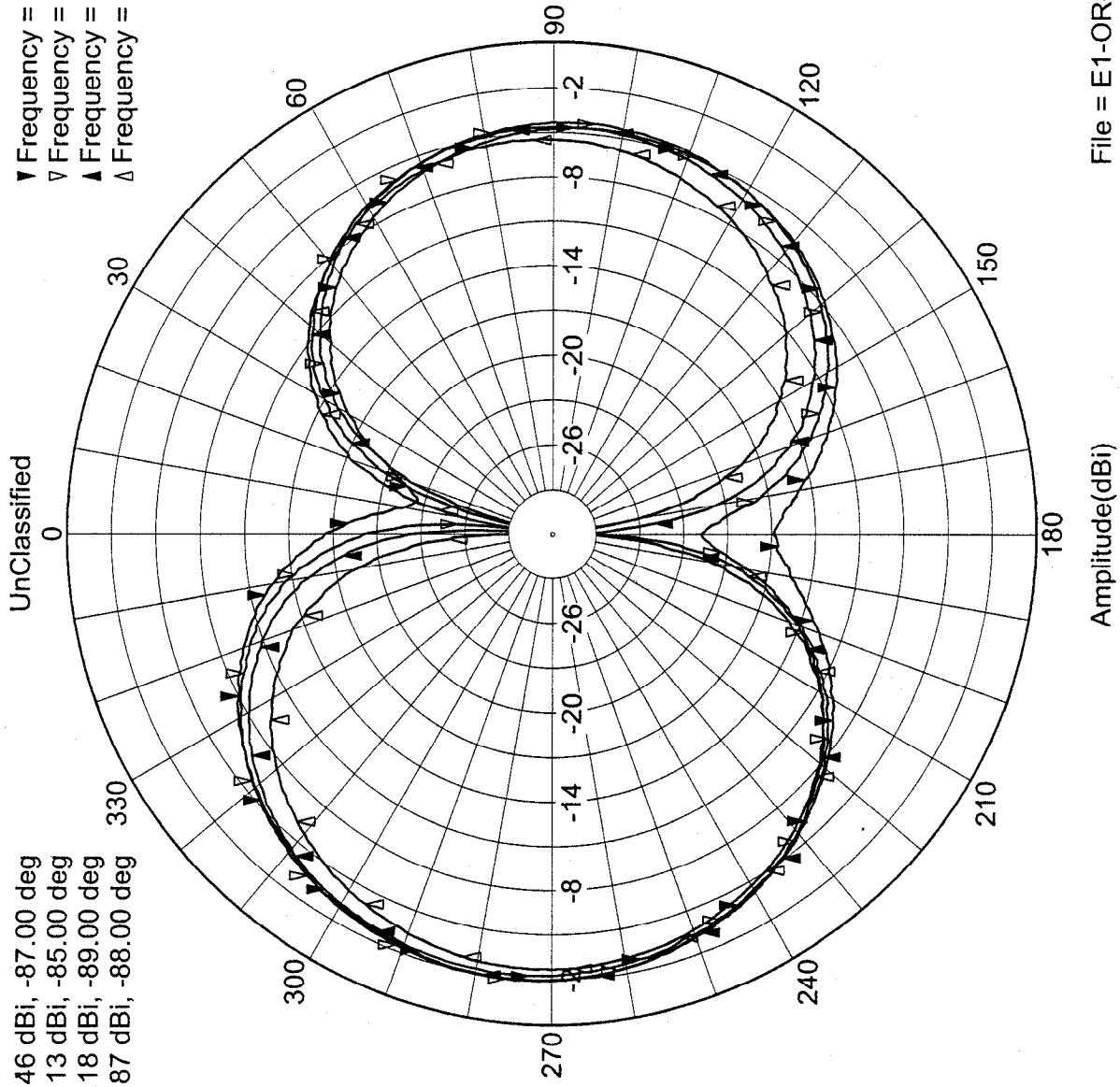


File = H-OE-ACE.pat

Antenna Radiation Pattern

Beam Peak = -1.46 dBi, -87.00 deg
 Beam Peak = -1.13 dBi, -85.00 deg
 Beam Peak = -1.18 dBi, -89.00 deg
 Beam Peak = -1.87 dBi, -88.00 deg

▼ Frequency = 0.824 (GHz)
 ▽ Frequency = 0.849 (GHz)
 ▲ Frequency = 0.869 (GHz)
 △ Frequency = 0.894 (GHz)

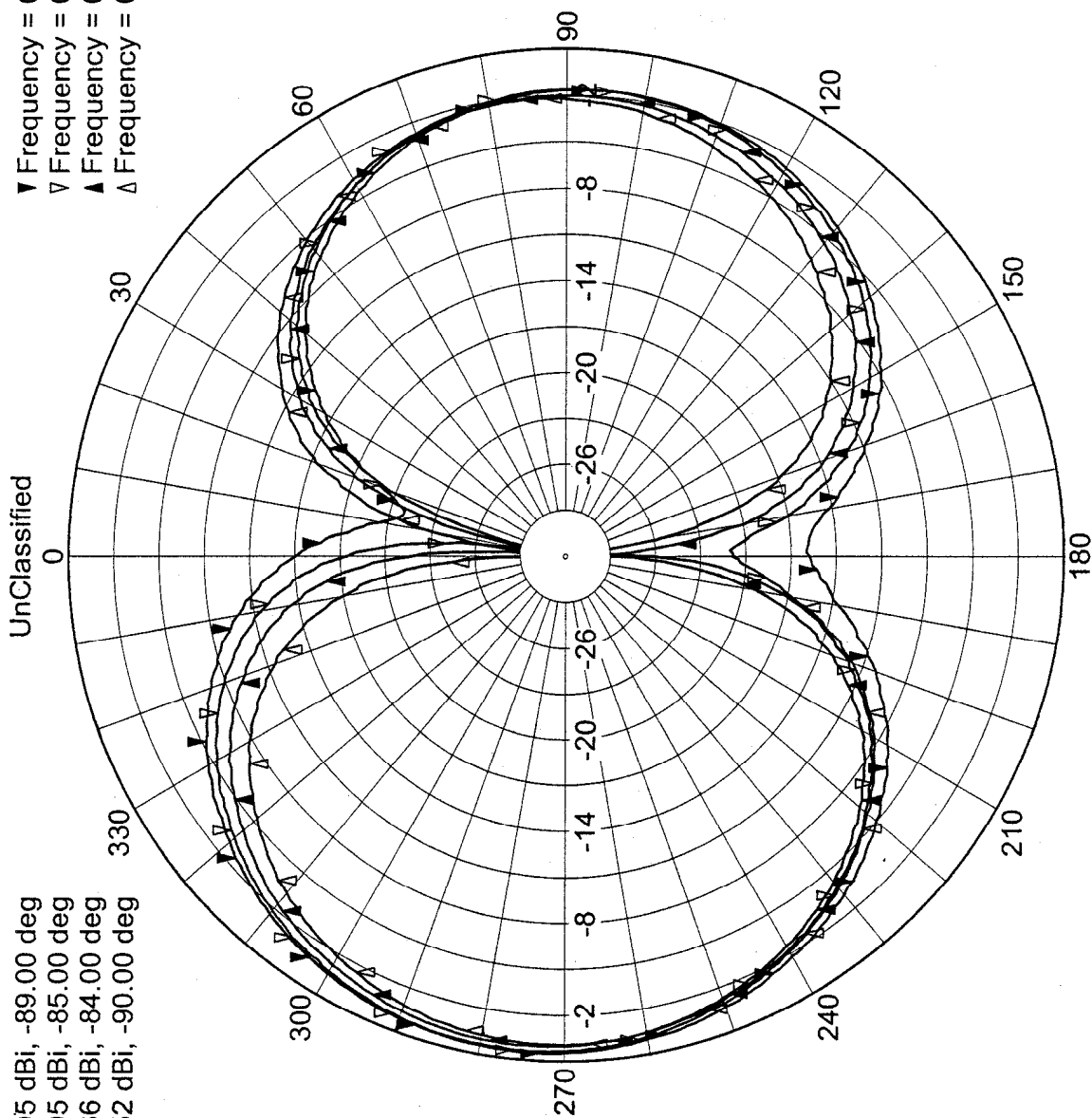


File = E1-OR-ACE.pat

Antenna Radiation Pattern

Beam Peak = 1.05 dBi, -89.00 deg
 Beam Peak = 0.95 dBi, -85.00 deg
 Beam Peak = 0.66 dBi, -84.00 deg
 Beam Peak = 0.52 dBi, -90.00 deg

▼ Frequency = 0.824 (GHz)
 ▽ Frequency = 0.849 (GHz)
 ▲ Frequency = 0.869 (GHz)
 △ Frequency = 0.894 (GHz)



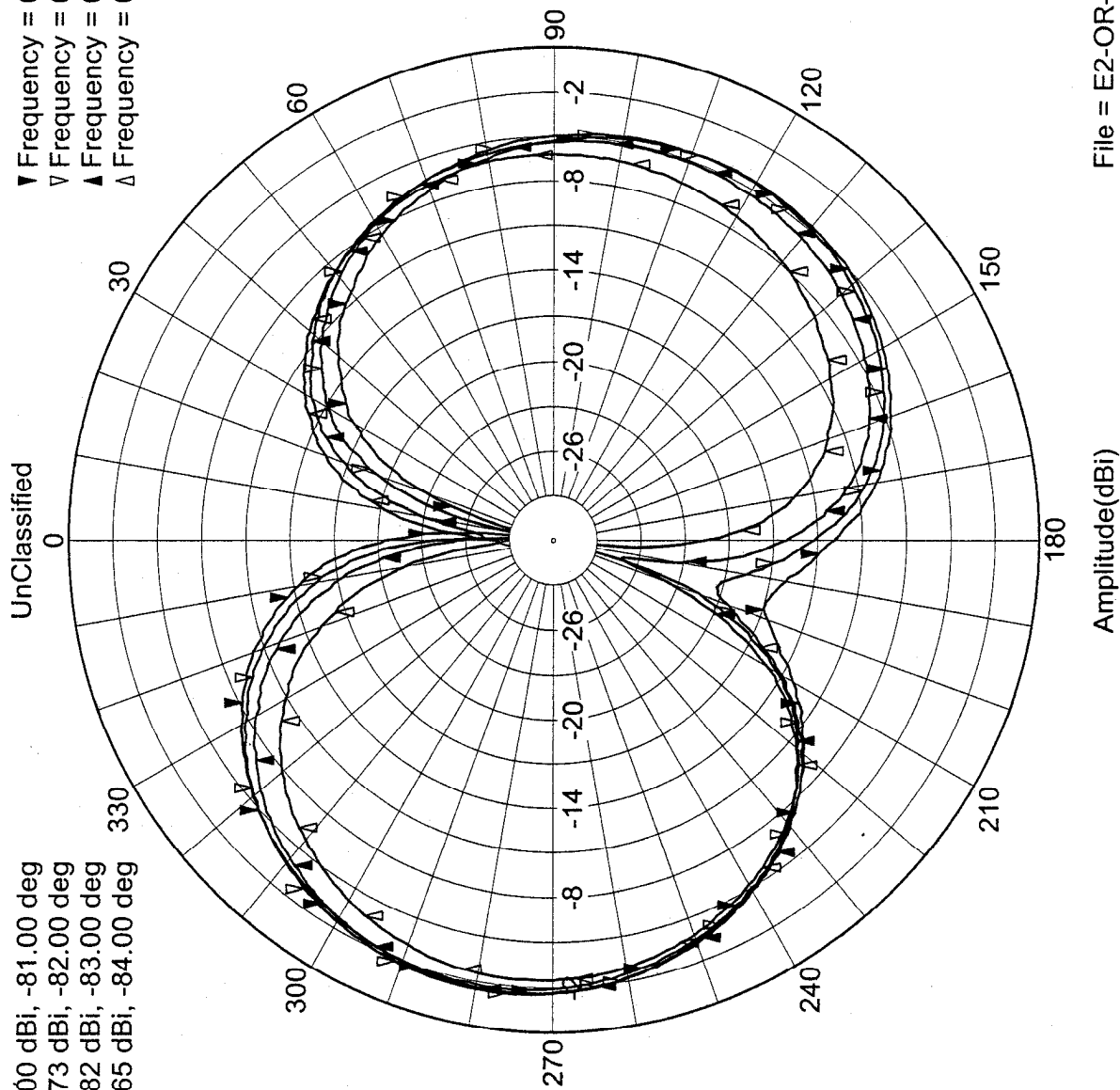
Amplitude(dBi)

File = E1-OE-ACE.pat

Antenna Radiation Pattern

Beam Peak = -1.00 dBi, -81.00 deg
 Beam Peak = -0.73 dBi, -82.00 deg
 Beam Peak = -0.82 dBi, -83.00 deg
 Beam Peak = -1.65 dBi, -84.00 deg

▼ Frequency = 0.824 (GHz)
 ▽ Frequency = 0.849 (GHz)
 ▲ Frequency = 0.869 (GHz)
 △ Frequency = 0.894 (GHz)

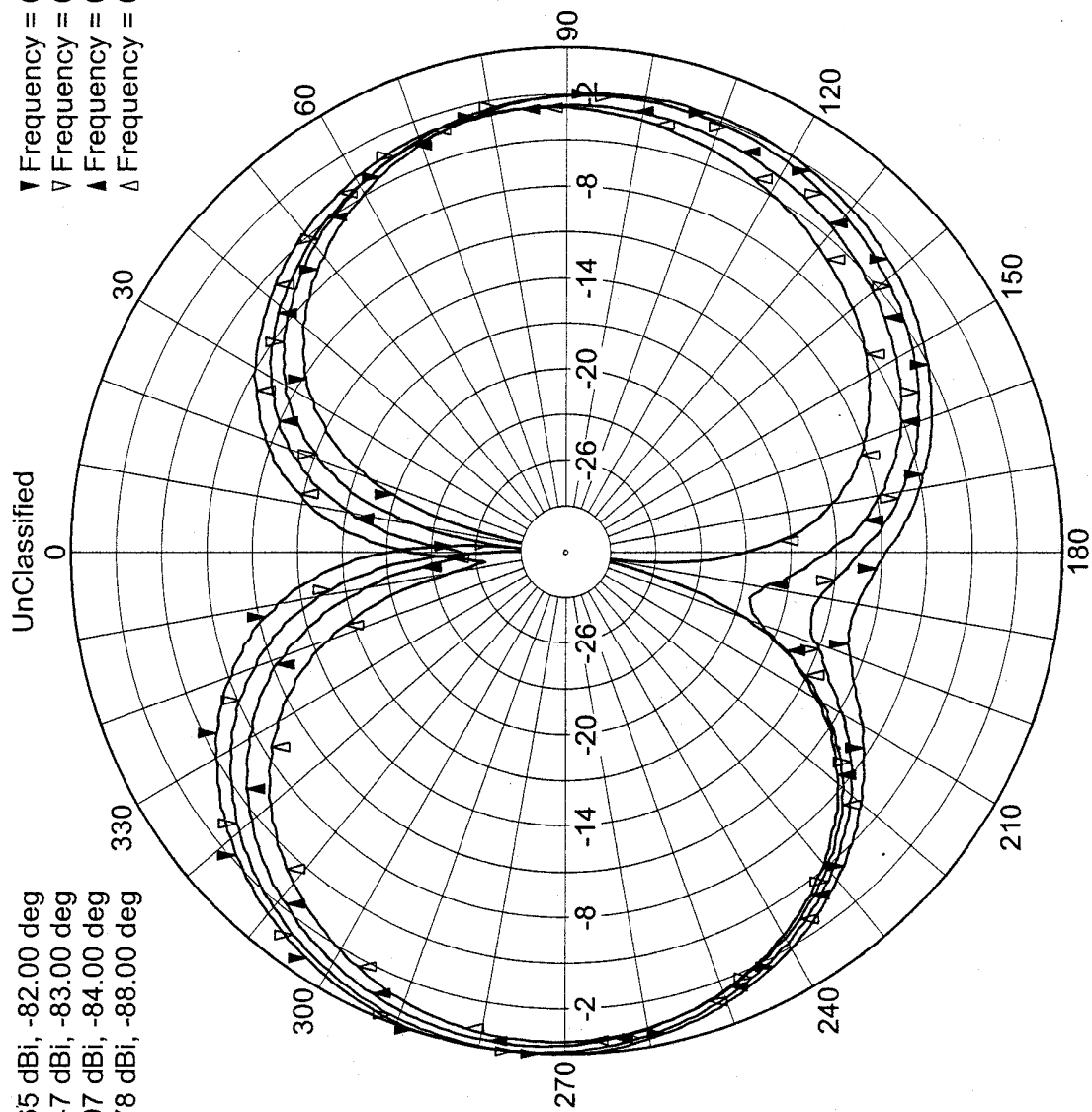


File = E2-OR-ACE.pat

Antenna Radiation Pattern

Beam Peak = 1.65 dBi, -82.00 deg
 Beam Peak = 1.47 dBi, -83.00 deg
 Beam Peak = 1.07 dBi, -84.00 deg
 Beam Peak = 0.78 dBi, -88.00 deg

▼ Frequency = 0.824 (GHz)
 ▽ Frequency = 0.849 (GHz)
 ▲ Frequency = 0.869 (GHz)
 △ Frequency = 0.894 (GHz)



Amplitude(dBi)

File = E2-OE-ACE.pat

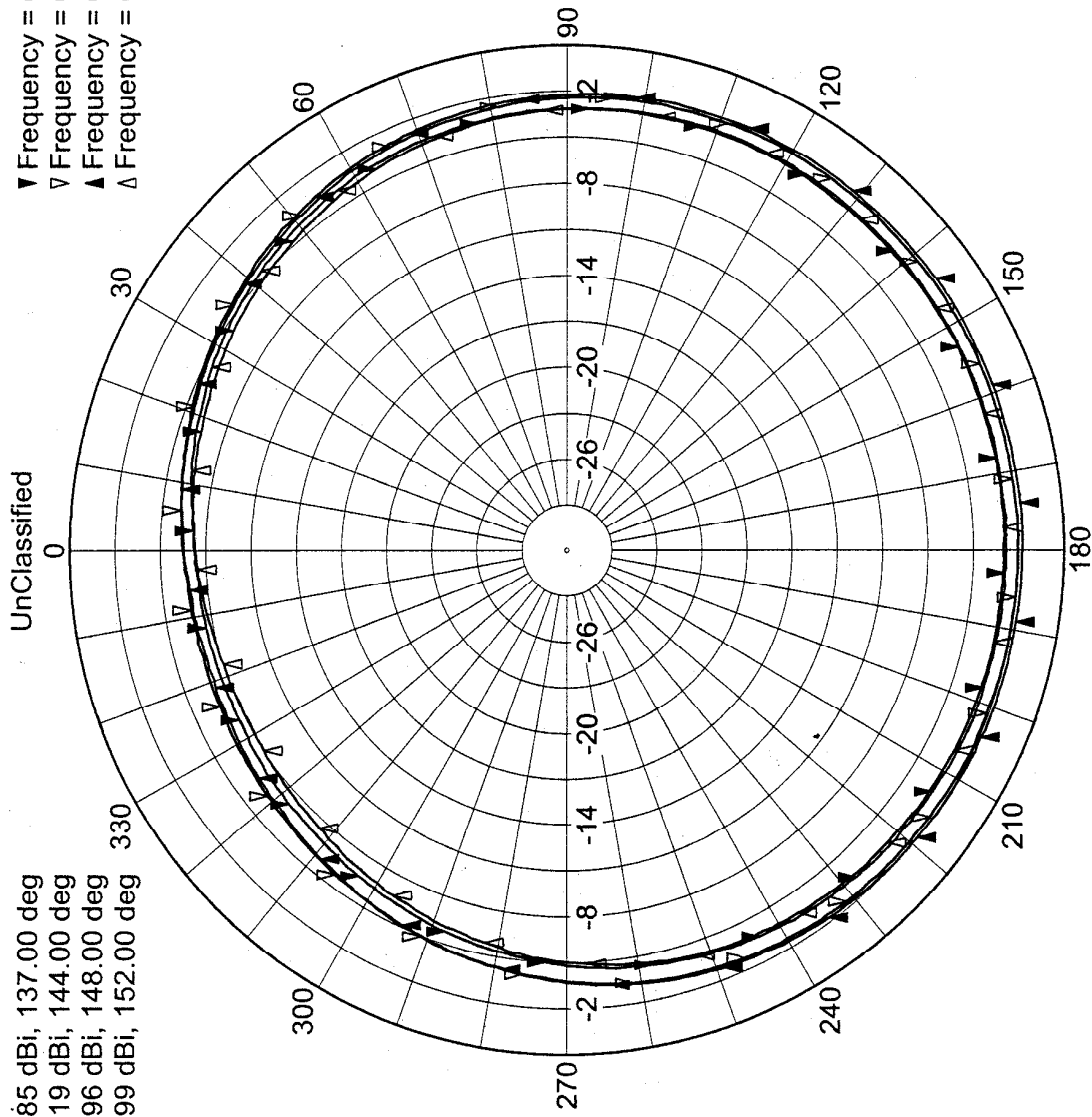


ACE TECHNOLOGY

Antenna Radiation Pattern

Beam Peak = -1.85 dBi, 137.00 deg
 Beam Peak = -1.19 dBi, 144.00 deg
 Beam Peak = -0.96 dBi, 148.00 deg
 Beam Peak = -1.99 dBi, 152.00 deg

▼ Frequency = 0.824 (GHz)
 ▽ Frequency = 0.849 (GHz)
 ▲ Frequency = 0.869 (GHz)
 △ Frequency = 0.894 (GHz)



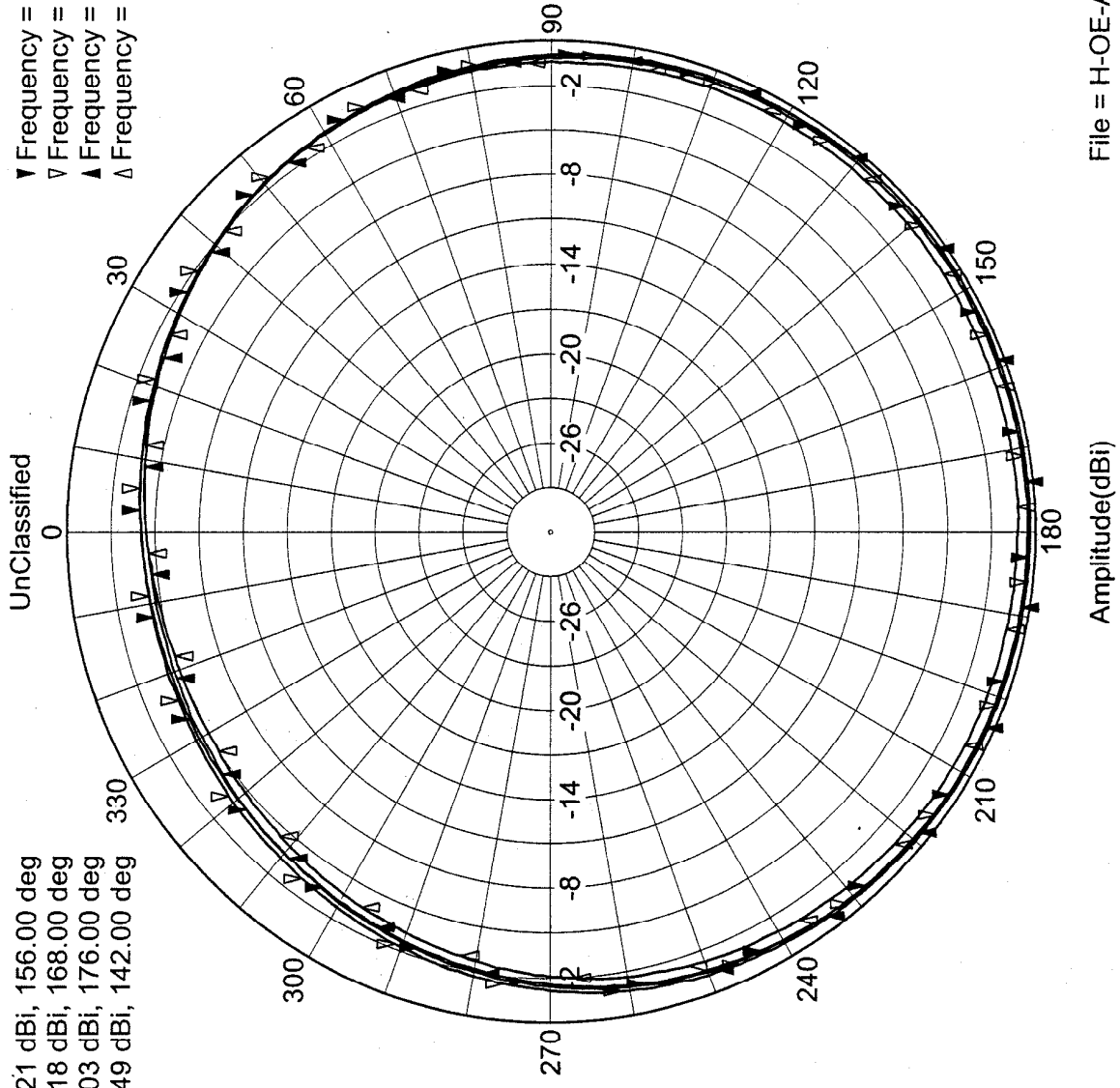
Amplitude(dBi)

File = H-OR-ACE.pat

Antenna Radiation Pattern

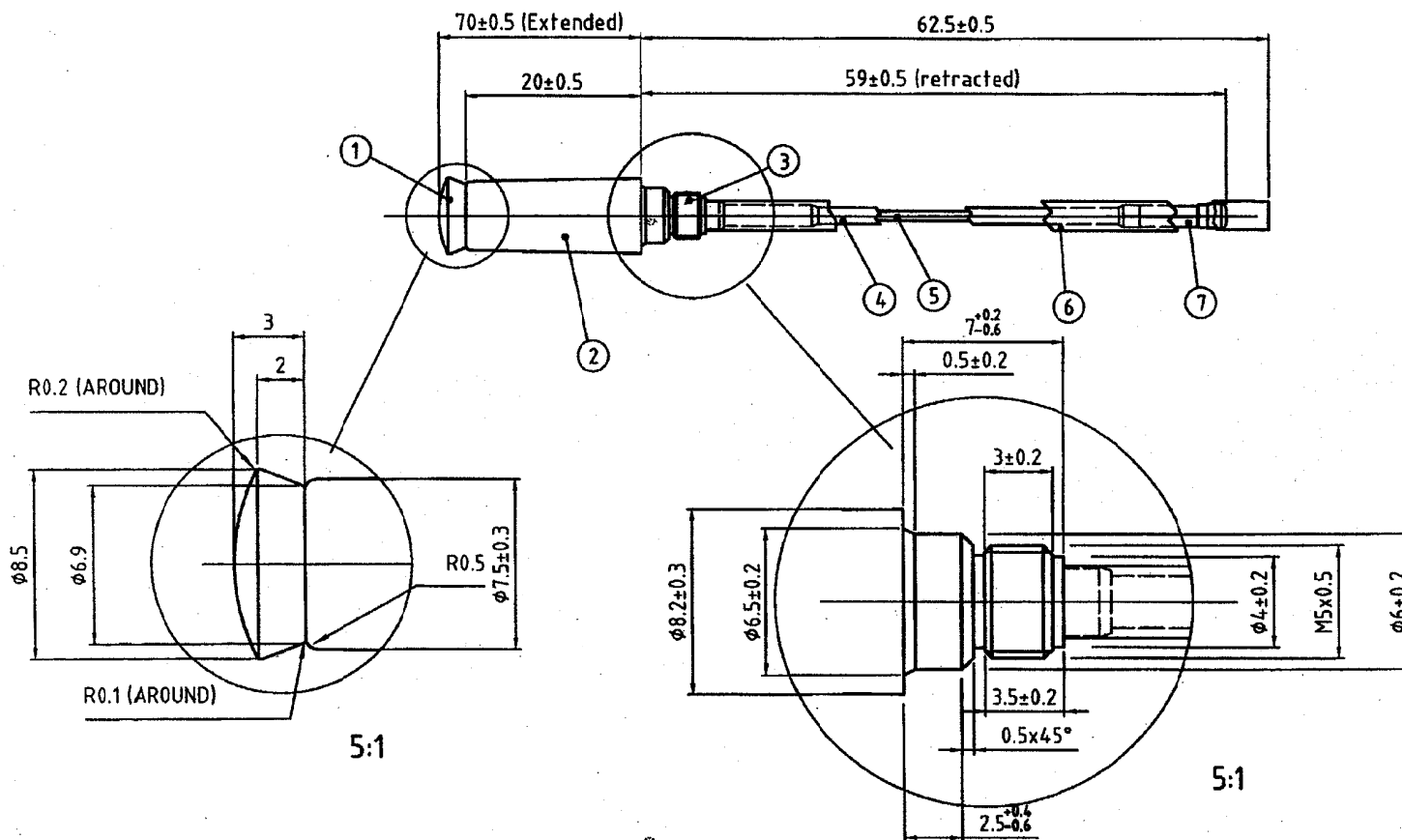
Beam Peak = 1.21 dBi, 156.00 deg
 Beam Peak = 1.18 dBi, 168.00 deg
 Beam Peak = 1.03 dBi, 176.00 deg
 Beam Peak = 0.49 dBi, 142.00 deg

▼ Frequency = 0.824 (GHz)
 ▽ Frequency = 0.849 (GHz)
 ▲ Frequency = 0.869 (GHz)
 △ Frequency = 0.894 (GHz)



File = H-OE-ACE.pat

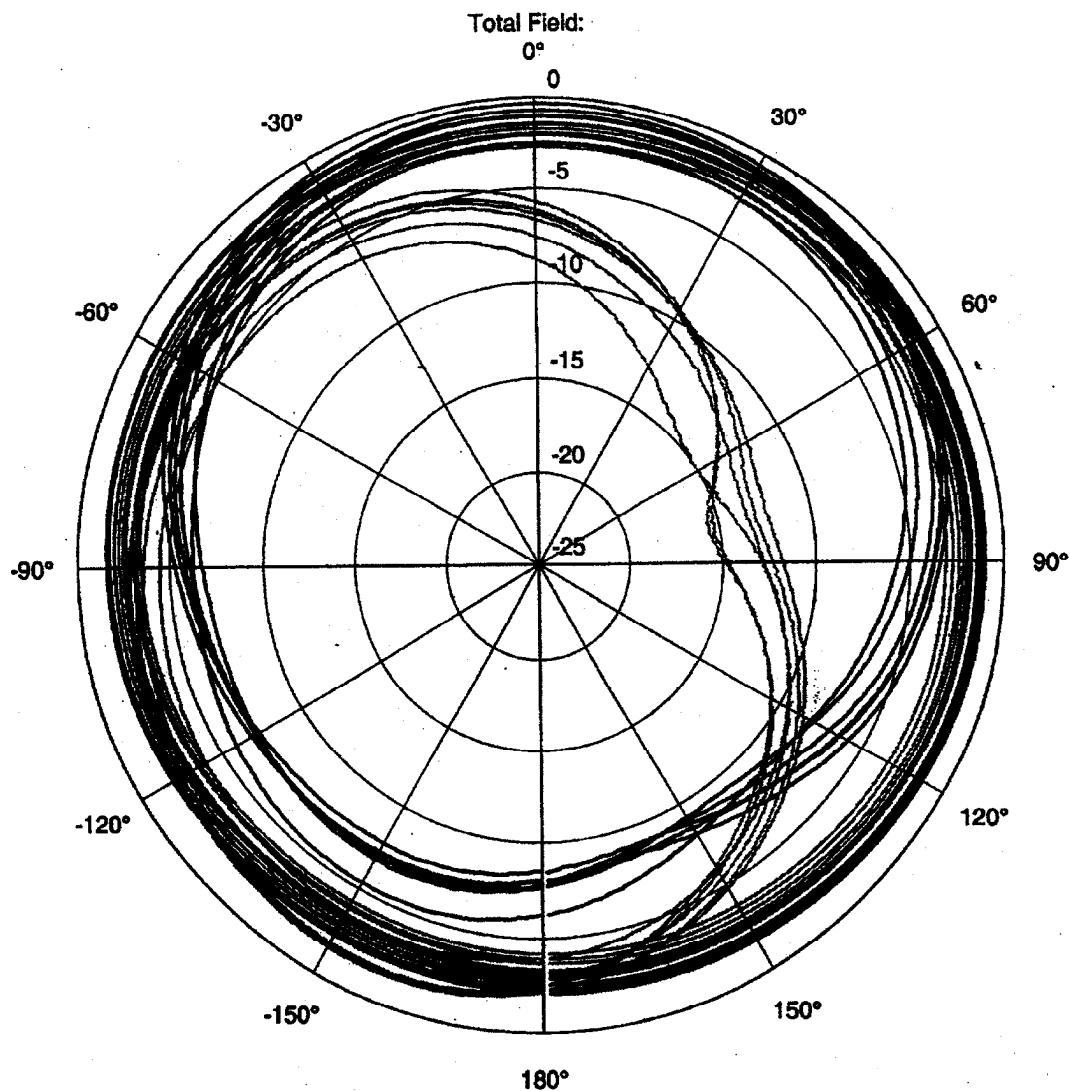
Unless otherwise stated specified dimensions apply after coating



7	Brass	SS 5170-04	Cu/Cu3Ni10b acc. to SS ISO 1458
6	Plastic	PA12	Colour: Black
5	Ni-Ti-Cr	Super elastic alloy	
4	Plastic	PVC KA1/B-27-Nat	
3	Brass	SS 5170-04	Cu/Cu3Ni2-4b acc. to SS ISO 1458
2	Plastic	Santoprene 8203-45	Surface acc. to Charmilles VDI 3400 no. 33, Colour grey
1	Plastic	Zytel 66 E101 L	Surface acc. to Charmilles VDI 3400 no. 30, Colour grey
NO	MATERIAL		SURFACE TREATMENT

01. 4. 20 78 48/2/2

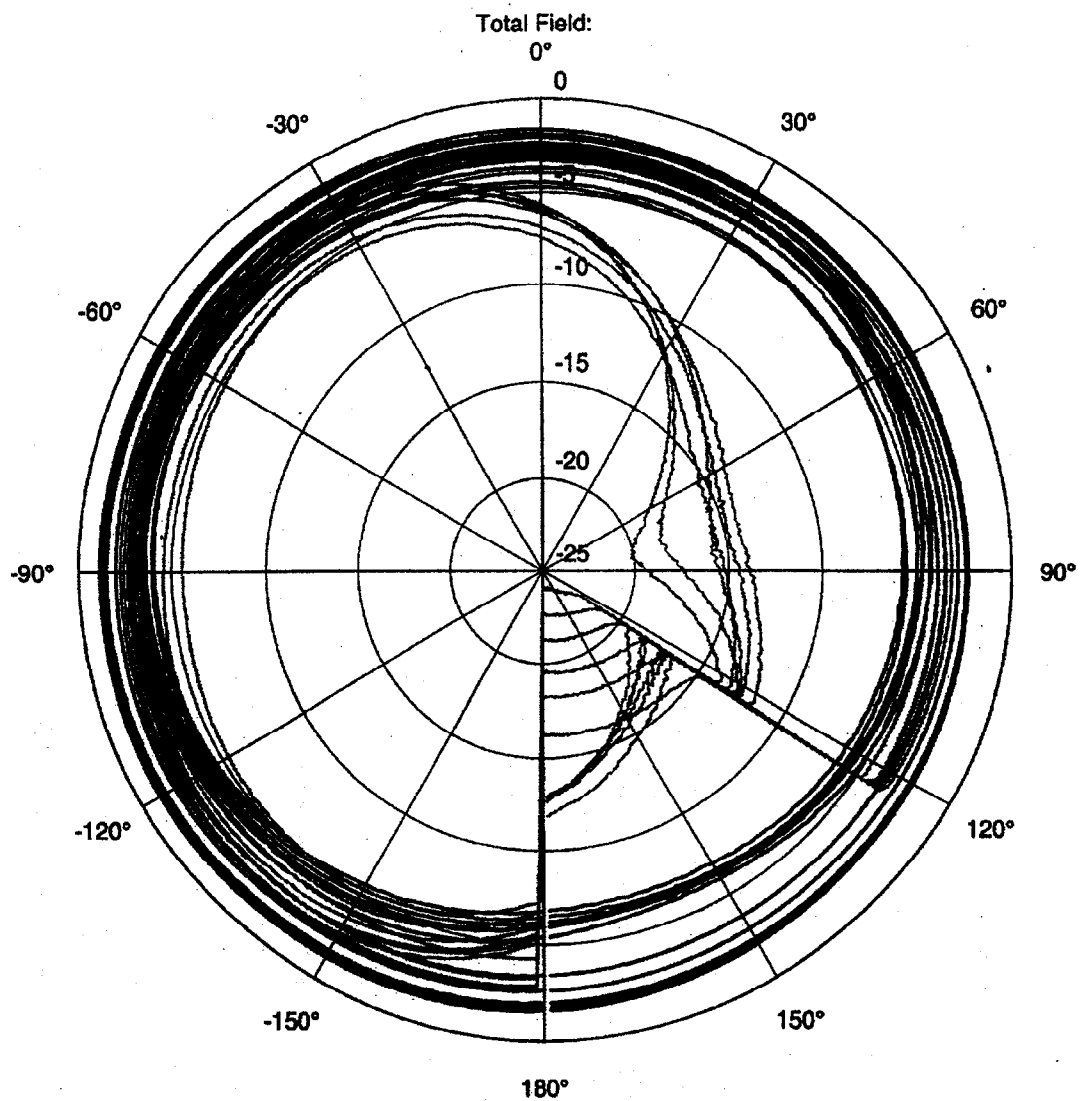
Name		Material / Drawing		Dis	Note
	Format	Scale	Date/Sign	Department	Finish
	A3	2:1	08/11/2000 mcm/hnn	R & D	Edges unless otherwise stated
Approved	Checked Pnc	Checked EI	General tolerance		Surface treatment
SS-ISO 2768 m					
ALLGON MOBILE COMMUNICATIONS AB SWEDEN				Order no	Date/Sign
Product Specification		04/19/2001 MHN		Page	
				S82184.1	B



FS H EXT OPEN #6

FS H RET OPEN #6

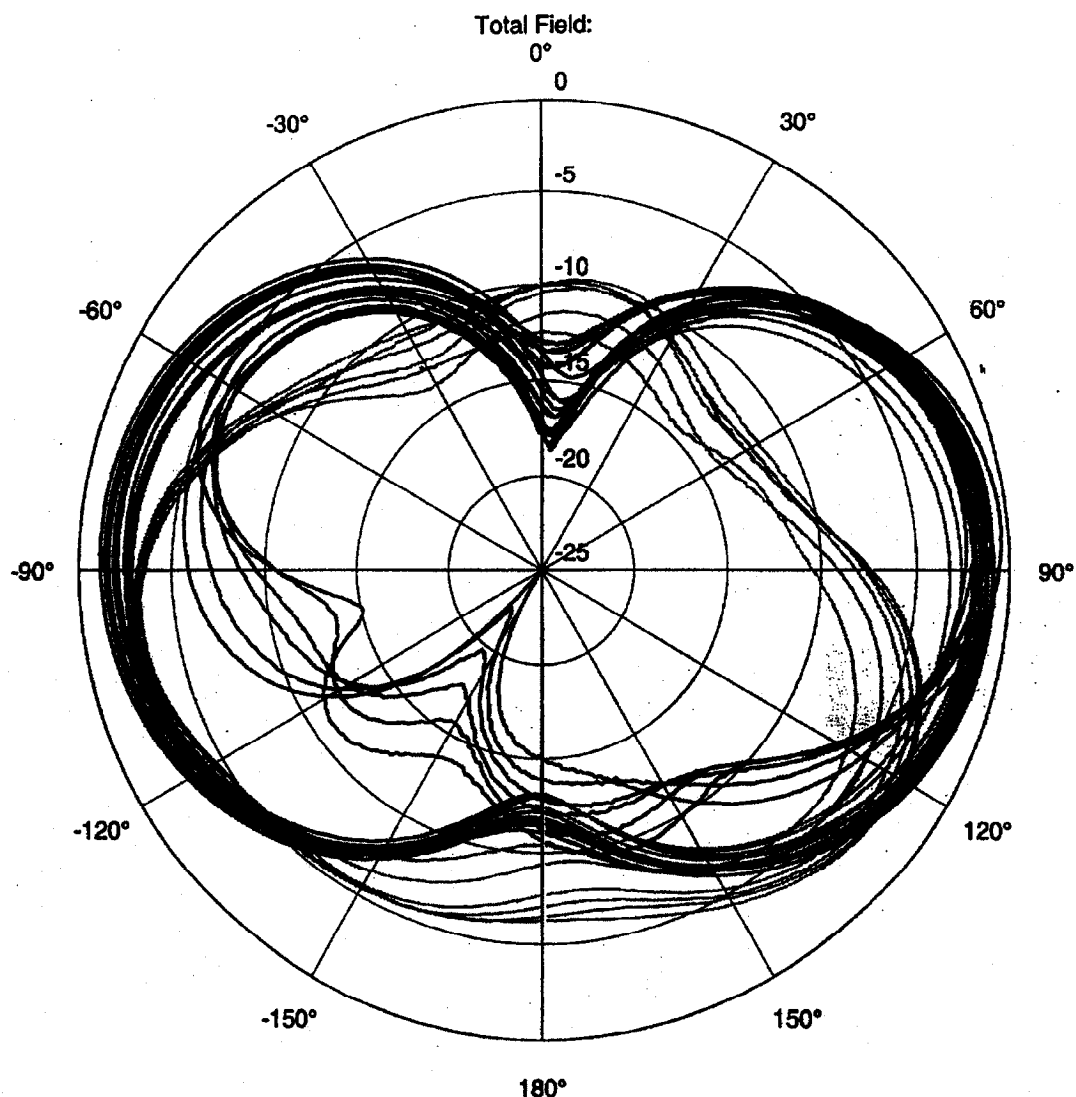
fshco6.bin			fshro6.bin		
Freq	Peak(dBd)	Mean	Freq	Peak(dBd)	Mean
824	-1.83	-2.43	824	-2.25	-2.89
836	-1.31	-1.87	836	-1.77	-2.35
849	-0.91	-1.45	849	-1.57	-2.15
869	-0.92	-1.46	869	-1.86	-2.52
881	-1.01	-1.57	881	-2.4	-3.06
894	-1.03	-1.6	894	-2.7	-3.34
1850	-2.5	-5.03	1850	-3.51	-6.91
1880	-2.04	-5.11	1880	-2.24	-5.94
1910	-1.41	-4.58	1910	-1.89	-5.2
1930	-0.96	-4.21	1930	-1.5	-5.17
1960	-0.67	-4.15	1960	-1.74	-5.59
1990	-0.33	-3.76	1990	-1.63	-5.41



FS H EXT CLOSED #6

FS H RET CLOSED #6

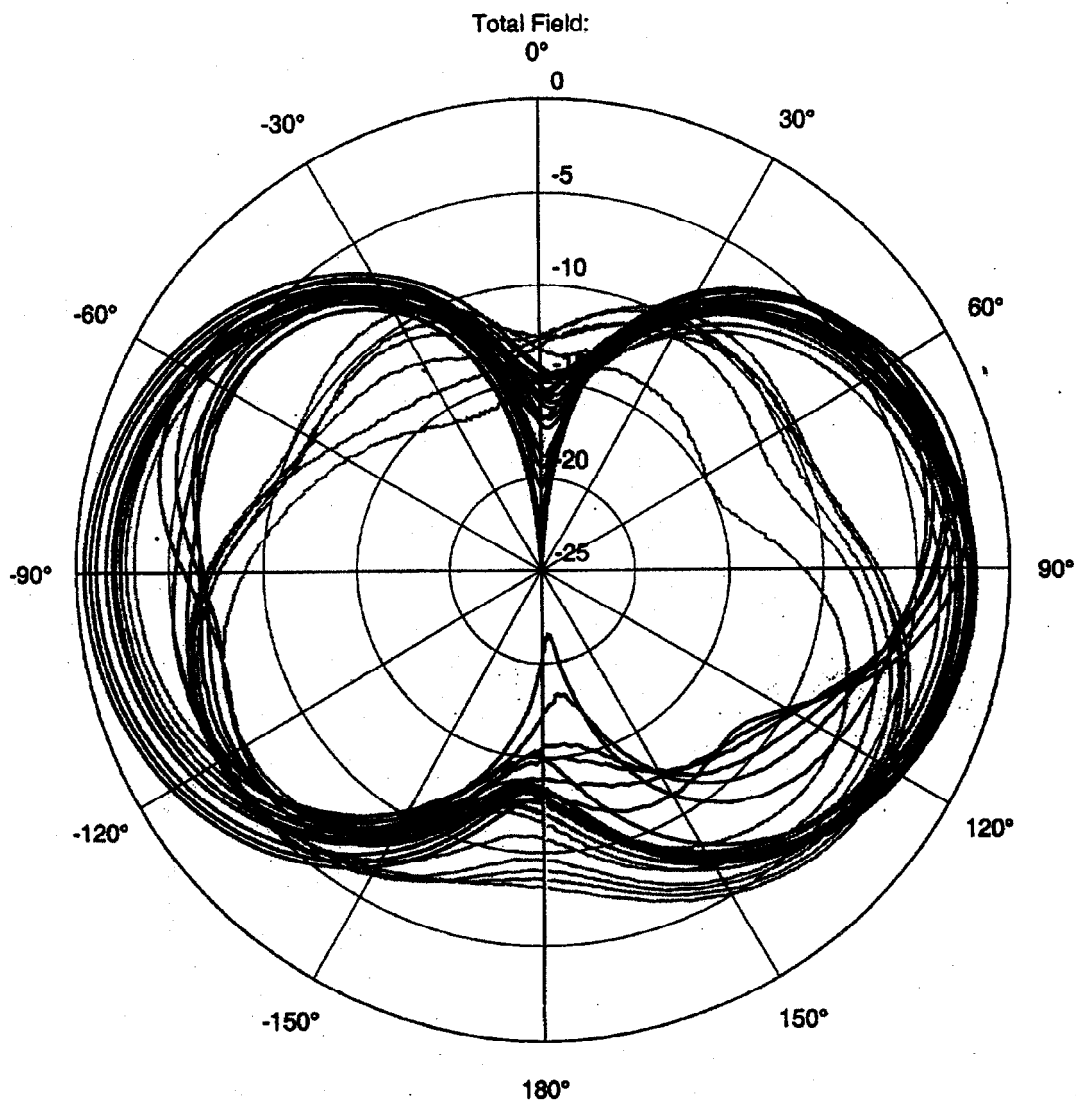
fshec6.bin			fshrc6.bin		
Freq	Peak(dBd)	Mean	Freq	Peak(dBd)	Mean
824	-2.64	-3.22	824	-3.55	-5.29
836	-1.97	-2.5	836	-2.71	-4.42
849	-1.44	-1.98	849	-2.22	-3.95
869	-1.32	-1.91	869	-2.41	-4.14
881	-1.2	-1.79	881	-2.84	-4.48
894	-1.1	-1.67	894	-2.88	-4.41
1850	-3.85	-5.07	1850	-5.11	-8.66
1880	-3.84	-5.14	1880	-4.07	-7.98
1910	-3.33	-4.51	1910	-3.18	-7.15
1930	-3.08	-4.24	1930	-2.78	-6.99
1960	-2.66	-4.06	1960	-2.81	-7.2
1990	-2.19	-3.65	1990	-2.37	-6.96



FS E2 EXT OPEN #6

FS E2 RET OPEN #6

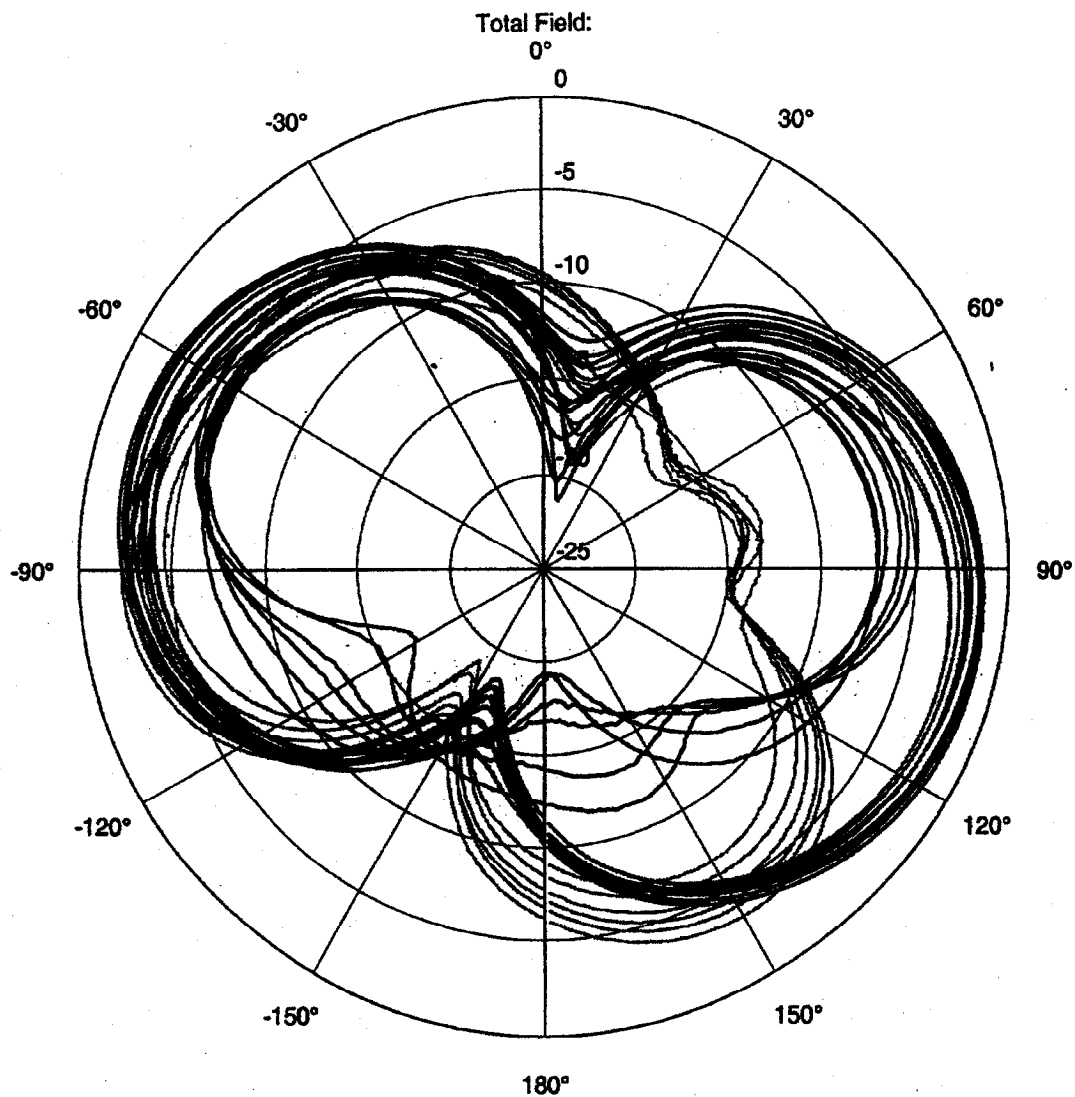
fse2eo6.bin			fse2ro6.bin		
Freq	Peak(dBd)	Mean	Freq	Peak(dBd)	Mean
824	-1.51	-6.53	824	-1.97	-5.75
836	-1.15	-5.07	836	-1.74	-5.44
849	-0.84	-4.9	849	-1.55	-5.41
869	-0.91	-4.99	869	-1.9	-5.82
881	-1.23	-5.05	881	-2.59	-6.24
894	-1.14	-4.95	894	-2.88	-6.47
1850	-2.26	-8.39	1850	-2.93	-8.42
1880	-1.81	-8.46	1880	-2.99	-7.98
1910	-1.27	-8.37	1910	-2.78	-7.05
1930	-1.12	-8.3	1930	-2.97	-6.77
1960	-0.89	-8.08	1960	-2.84	-6.77
1990	-0.37	-7.56	1990	-2.72	-6.58



FS E2 EXT CLOSED #6

FS E2 RET CLOSED #6

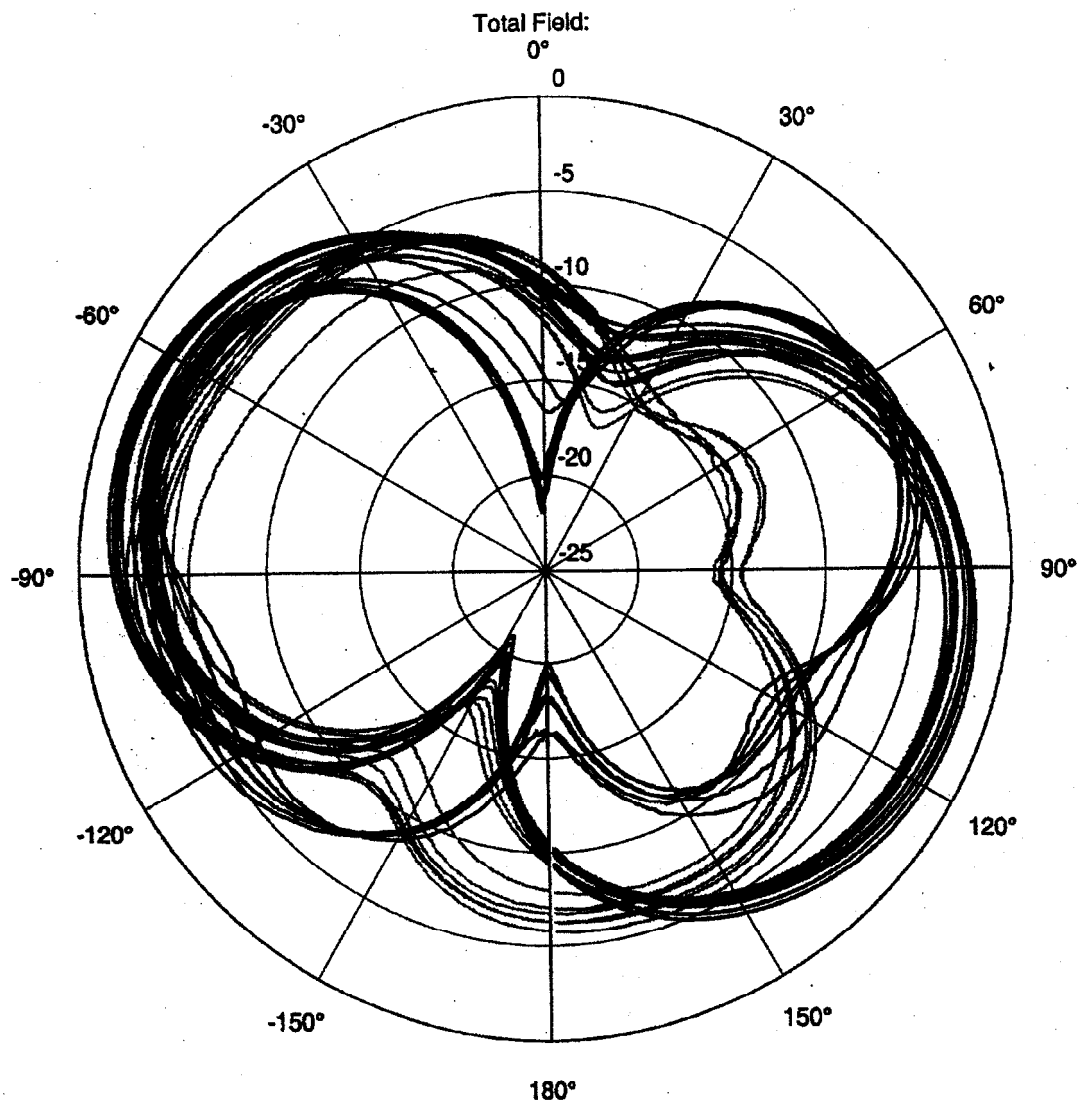
fse2ec6.bin			fse2rc6.bin		
Freq	Peak(dBd)	Mean	Freq	Peak(dBd)	Mean
824	-2.4	-6.33	824	-3.14	-6.66
836	-1.97	-5.87	836	-2.69	-6.2
849	-1.62	-5.6	849	-2.37	-5.93
869	-1.1	-5.38	869	-2.13	-5.95
881	-0.77	-5.26	881	-2.14	-6.17
894	-0.44	-5.07	894	-2.14	-6.33
1850	-3.83	-8.06	1850	-6.45	-10.74
1880	-3.46	-8.18	1880	-4.66	-8.89
1910	-2.97	-8.02	1910	-4.51	-8.16
1930	-2.78	-7.97	1930	-4.21	-7.84
1960	-2.48	-7.69	1960	-3.89	-7.83
1990	-1.91	-7.17	1990	-3.63	-7.56



FS E1 EXT OPEN #6

FS E1 RET OPEN #6

fse1eo6.bin			fse1ro6.bin		
Freq	Peak(dBd)	Mean	Freq	Peak(dBd)	Mean
824	-1.91	-6.26	824	-2.49	-6.68
836	-1.5	-5.74	836	-2.12	-6.22
849	-1.27	-5.47	849	-2.04	-6.11
869	-1.41	-5.61	869	-2.47	-6.58
881	-1.39	-5.61	881	-2.82	-7.02
894	-1.17	-5.46	894	-2.83	-7.14
1850	-5.96	-9.98	1850	-4.54	-10
1880	-5.89	-10.44	1880	-3.74	-9.12
1910	-5.5	-10.52	1910	-3.18	-8.46
1930	-5.36	-10.38	1930	-2.84	-8.09
1960	-5.28	-10.33	1960	-2.63	-7.8
1990	-4.76	-9.52	1990	-2.28	-7.47



FS E1 EXT CLOSED #6

FS E1 RET CLOSED #6

fse1ec6.bin			fse1rc6.bin		
Freq	Peak(dBd)	Mean	Freq	Peak(dBd)	Mean
824	-2.76	-6.58	824	-3.23	-6.91
836	-2.28	-6	836	-2.78	-6.33
849	-1.96	-5.57	849	-2.67	-6.14
869	-1.75	-5.62	869	-2.92	-6.49
881	-1.57	-5.55	881	-3.11	-6.86
894	-1.34	-5.38	894	-3.02	-6.9
1850	-3.63	-7.62	1850	-5.85	-9.69
1880	-3.5	-7.94	1880	-4.37	-8.6
1910	-3.33	-8.16	1910	-3.99	-8.39
1930	-3.04	-8.03	1930	-3.46	-7.84
1960	-3.3	-7.96	1960	-2.99	-7.66
1990	-2.67	-7.68	1990	-2.55	-7.41