

2300-2700MHz DUAL POLARIZATION ANTENNA
Best.Nr. 18033.DUAL



Flachantenne mit zwei Systemen
(vertikal/horizontal polarisiert), z.B. für
Applikationen mit 802.11n (MIMO).

Panel antenna with two independent antennas
with vertical resp. horizontal polarization, for
802.11n (MIMO) and other applications.



Electrical Specifications:

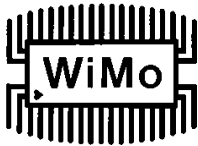
Frequency Range	2300 ~ 2700 MHz
VSWR	≤ 2.0
Impedance	50 Ω
Gain	V: 13/ H :12 dBi
Polarization	LINEAR , V / H
Power Handling	10 Watt
Connector	N female
Operation Temp.	-30... 60°
Dimension (L*W*H)	320.6*320.6*10 mm
Weight	940g ± 5g

WiMo Antennen und Elektronik GmbH

Am Gäxwald 14, D-76863 Herxheim Tel. (07276) 96680 FAX 9668-11

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VSWR:

VSWR measurement (S11): Use ROHDE & SCHWARZ ZV8 Network Analyzer with Harbour RG-142 coaxial cable: 1000mm length in free space.

	VSWR Performance				
Freq(MHz)	2300	2400	2500	2600	2700
V POLARISATION	1.955	1.245	1.280	1.844	2.003
H POLARISATION	1.724	1.250	1.191	1.815	1.533

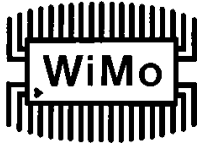
Gain:

The gain of the antenna is measured using a reflexion-free chamber. The chamber provides less than -30 dB reflectivity from 800 MHz through 6 GHz and a 60cm diameter spherical quiet zone. The measurement results are calibrated using both SCHWARZBECK horn standards. A decoupling sleeve is used to reduce feed line radiation.

	Peak Gain (dBi)				
Freq(MHz)	2300	2400	2500	2600	2700
V POLARIZATION H PLANE	12.78	13.12	13.74	13.15	12.98
V POLARIZATION E PLANE	12.75	13.31	13.77	13.28	13.1
H POLARIZATION H PLANE	11.62	12.45	12.28	11.55	10.81
H POLARIZATION E PLANE	12.19	13.16	13.24	12.01	11.31

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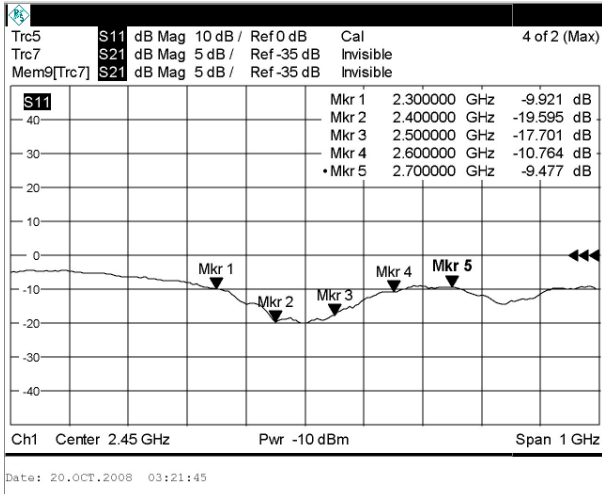


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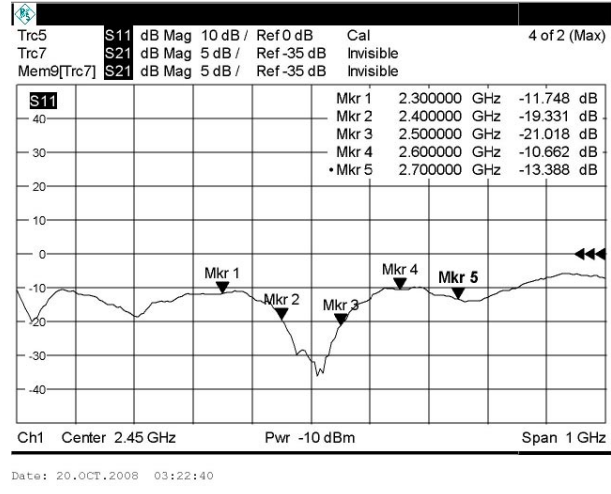
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RETURN LOSS

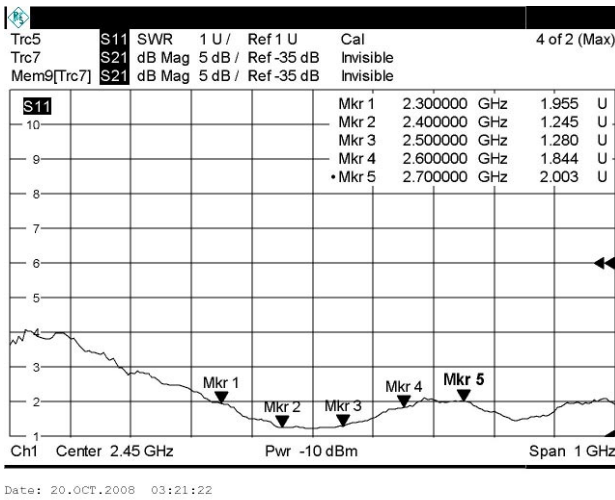


V POLARIZATION

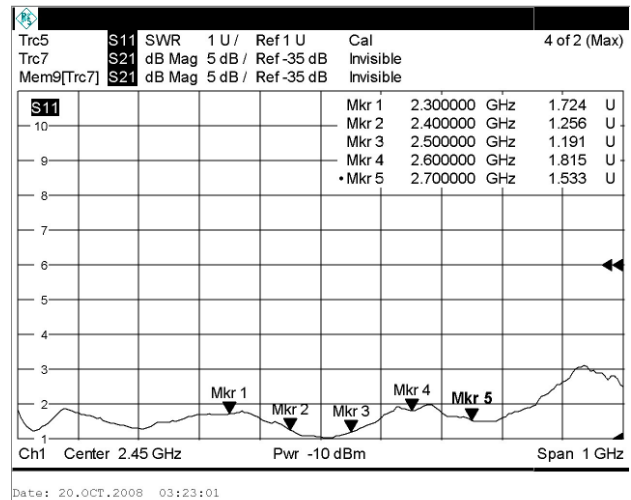


H POLARIZATION

SWR



V POLARIZATION



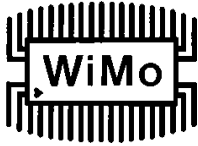
H POLARIZATION

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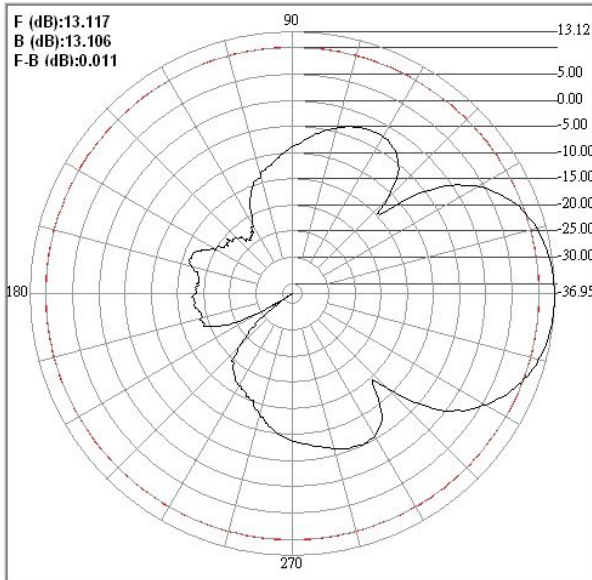
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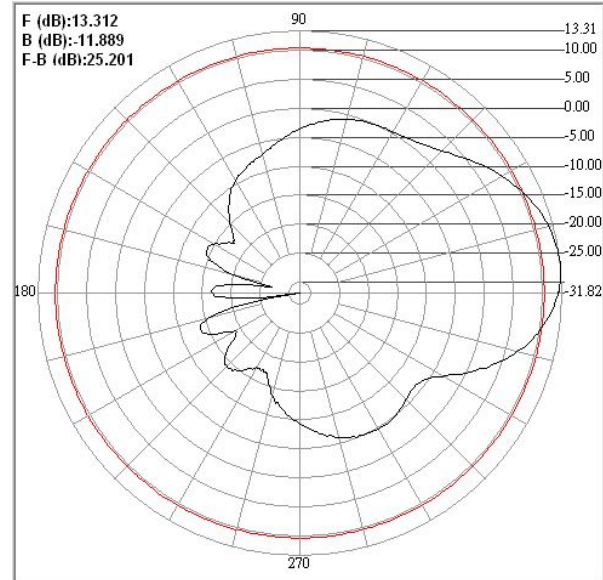
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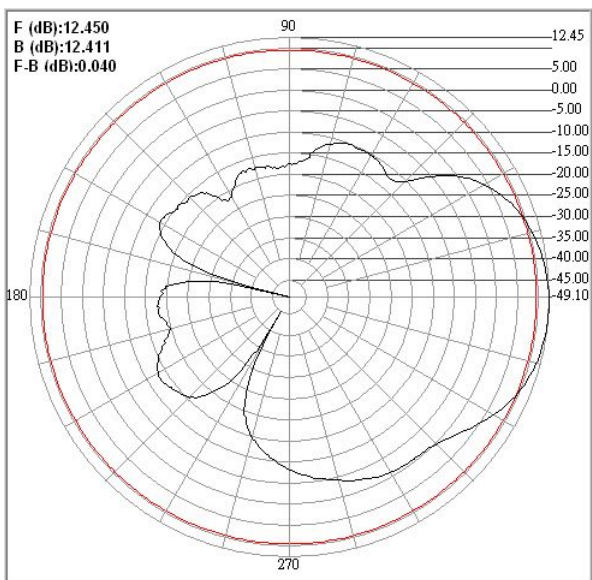
DIRECTIONAL PATTERNS @ 2400 MHz



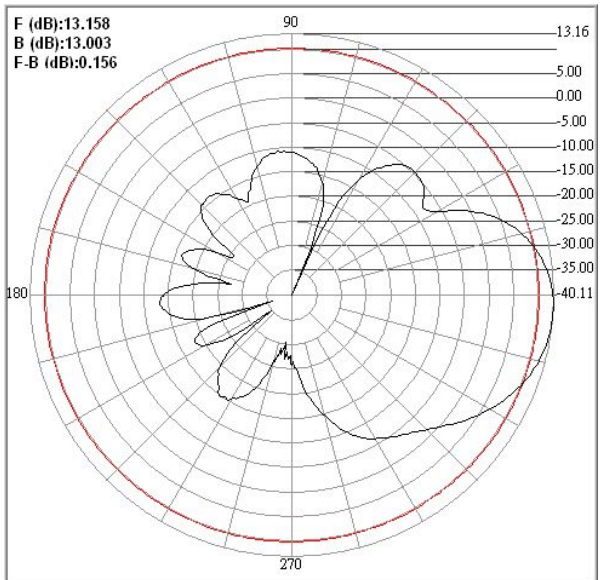
V POLARIZATION H PLANE



V POLARIZATION E PLANE



H POLARIZATION H PLANE



H POLARIZATION E PLANE

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