

## ANTENNA SPECIFICATION

**MODEL : 17010.10**

ELECTRICAL ITEM	SPECIFICATIONS	REMARKS
Type of antenna	Sleeve dipole antenna	
Frequency range	2.40~2.48 GHz	
Electrical length	$1 / 2 \lambda$	
Nominal impedance	50 Ohm	
Polarization	Vertical	
V.S.W.R	Less than 2.0	
Gain	2.15 dBi	

MECHANICAL ITEM	SPECIFICATIONS	REMARKS
Radiator	RG-174 Cable	
Sleeve	Urethane	Black
Connector	SMA-male	
Antenna total length	$95 \pm 3\text{mm}$	

**WiMo Antennen und Elektronik GmbH**

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## ANTENNA SPECIFICATION

MODEL : 17010.11

ELECTRICAL ITEM	SPECIFICATIONS	REMARKS
Type of antenna	Sleeve dipole antenna	
Frequency range	2.40~2.48 GHz	
Electrical length	$1 / 2 \lambda$	
Nominal impedance	50 Ohm	
Polarization	Vertical	
V.S.W.R	Less than 2.0	
Gain	2.15 dBi	

MECHANICAL ITEM	SPECIFICATIONS	REMARKS
Element	$\phi 0.1 \times 7$ CuAg -wire	
Sleeve	Urethane	Black
Connector	SMA-male	Right angle
Antenna total length	$90 \pm 2$ mm	

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## ANTENNA SPECIFICATION

**MODEL : 17010.12**

ELECTRICAL ITEM	SPECIFICATIONS	REMARKS
Type of antenna	Sleeve dipole antenna	
Frequency range	2.40~2.48 GHz	
Nominal impedance	50 Ohm	
Polarization	Vertical	
V.S.W.R	Less than 2.0	
Gain	2.15 dBi	

MECHANICAL ITEM	SPECIFICATIONS	REMARKS
RADIATOR	7× $\phi$ 0.1 StCuAg	RG-178 Cable wire
Sleeve	Urethane	Black
CABLE	RG-178	Black jacket
Connector	SMA Male	S/T-Type
Antenna total length	85.5±2mm	

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## Vertical diagram 17010.xx

Measured at

2.40 GHz

2.45 GHz

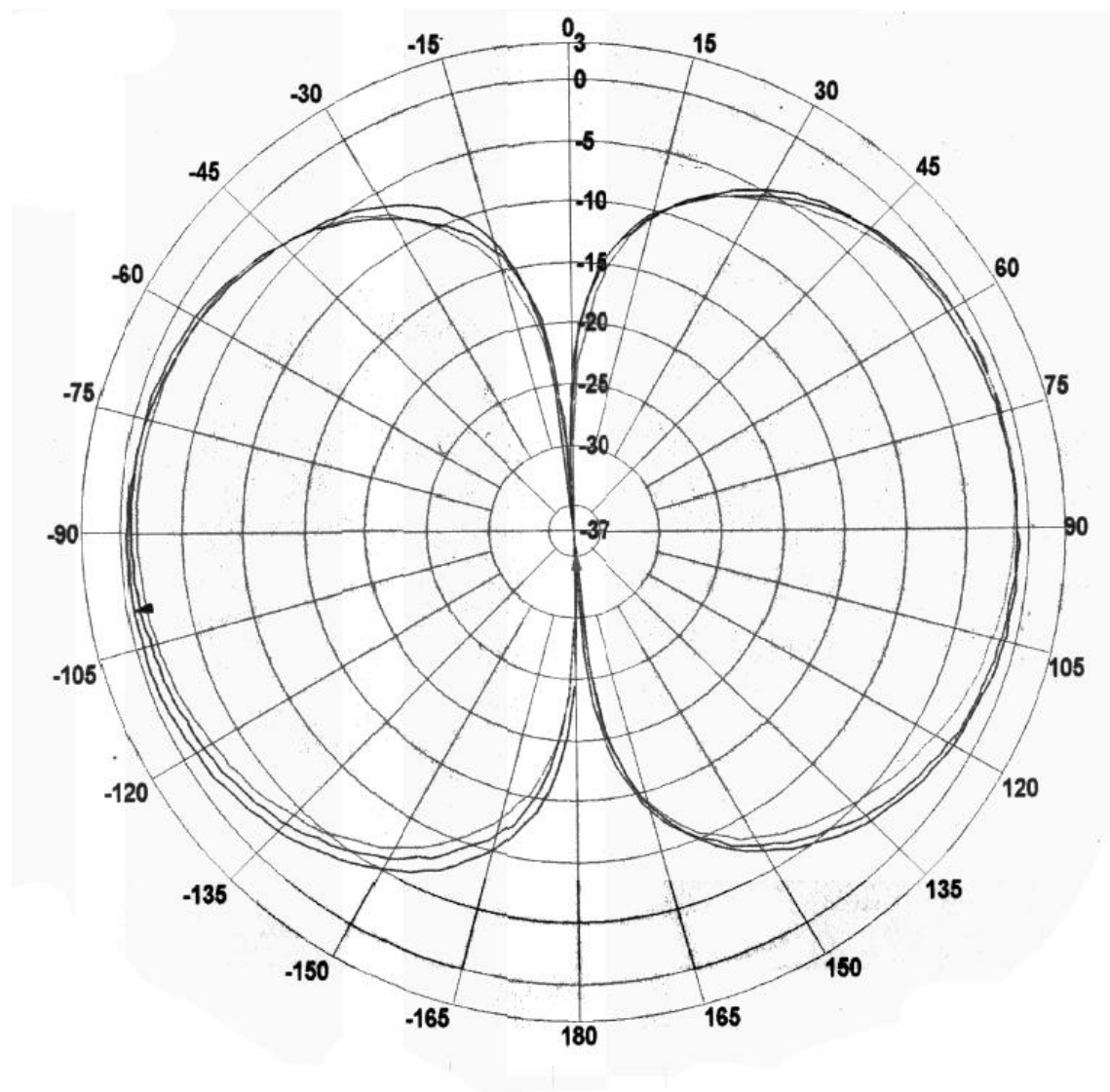
2.50 GHz

Beam peak values

Frequency	[dB]	at [deg]
2.40 GHz	-0,61	-99,94
2,45 GHz	-0,74	81,95
2,50 GHz	-0,64	67,96

Null depth values

Frequency	[dB]	at [deg]
2.40 GHz	-38,47	-4,00
2,45 GHz	-53,94	-2,00
2,50 GHz	-41,44	177,90



## Azimuth diagram 17010.xx

Measured at

2.40 GHz

2.45 GHz

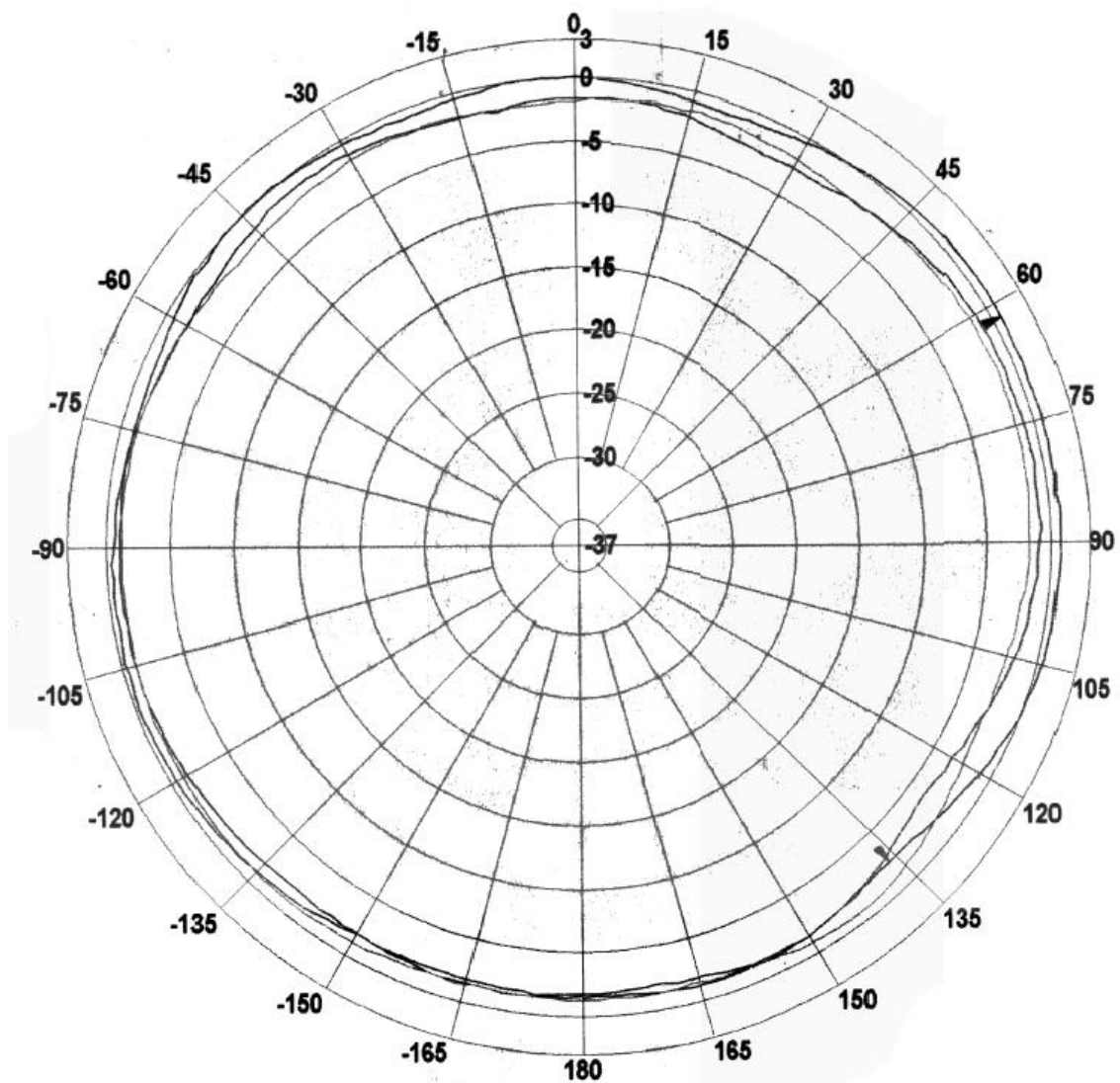
2.50 GHz

Beam peak values

Frequency	[dB]	at [deg]
2.40 GHz	0,85	61,97
2,45 GHz	-0,38	111,94
2,50 GHz	-0,69	143,92

Null depth values

Frequency	[dB]	at [deg]
2.40 GHz	-2,26	135,92
2,45 GHz	-3,57	125,93
2,50 GHz	-2,59	113,94



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