

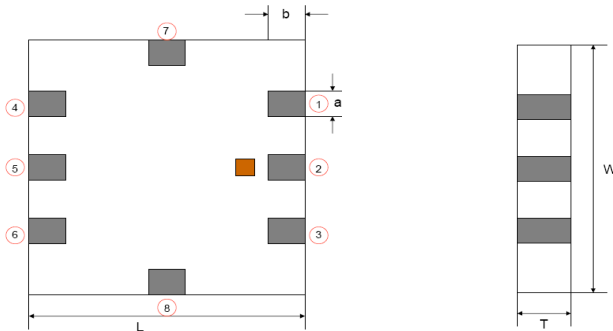
Spezifikation für Freigabe / specification for release

Kunde / customer : _____
 Artikelnummer / part number : **7488910235**
 Bezeichnung : **SMD Antenne WE-MCA**
 description : **Chip-Antenna WE-MCA**



DATUM / DATE : 2006-11-22

A Mechanische Abmessungen / dimensions:



size	10 x 10	
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L	10,0 ± 0,3	mm
W	10,0 ± 0,3	mm
a	1,0 ± 0,3	mm
b	1,0 ± 0,3	mm
T	0,8 ± 0,2	mm
①	GND	
②	Feeding Point	
③	GND	
④	NC	
⑤	NC	
⑥	NC	
⑦	NC	
⑧	NC	

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties		Wert / value	Wert / value	Wert / value	Einheit / unit	tol.
Frequenzbereich / frequency range	f	2300 ... 2690	3300 ... 3900	5150 ... 5875	MHz	
VSWR		2,0	2,0	2,0		max.
Impedanz / impedance	Z	50	50	50	Ω	
Antennengewinn / peak gain (XZ-V)	A	2,0	2,0	2,0	dBi	typ.
Antennengewinn / average gain (XZ-V)	A	- 2,0	- 4,0	- 3,0	dBi	typ.

C Abbildung / appearance:

D Prüfgeräte / test equipment:

Agilent E5071A

E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: 50 ~ 70%
 Umgebungstemperatur / temperature: 20°C ~ 25°C

F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: Keramik / ceramic
 Kontakt Material / contact plating: Ag + Ni + Sn

G Eigenschaften / general specifications:

Betriebstemp. / operating temperature: -40°C ~ +85°C
 Lagerbedingung / storage conditions: -40°C ~ +85°C
 45 ~ 75% RH
 Leistung/ power capacity : 5 W max.

Freigabe erteilt / general release:	Kunde / customer			
.....			
Datum / date	Unterschrift / signature			
.....	Würth Elektronik			
.....			
Geprüft / checked	Kontrolliert / approved	Skle	Version 1	06-11-22
		Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co.KG

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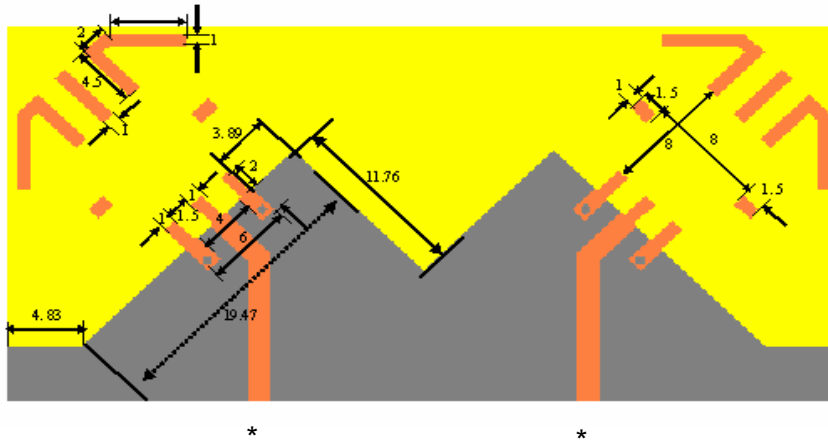
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H Lötpadempfehlung / solder pads:

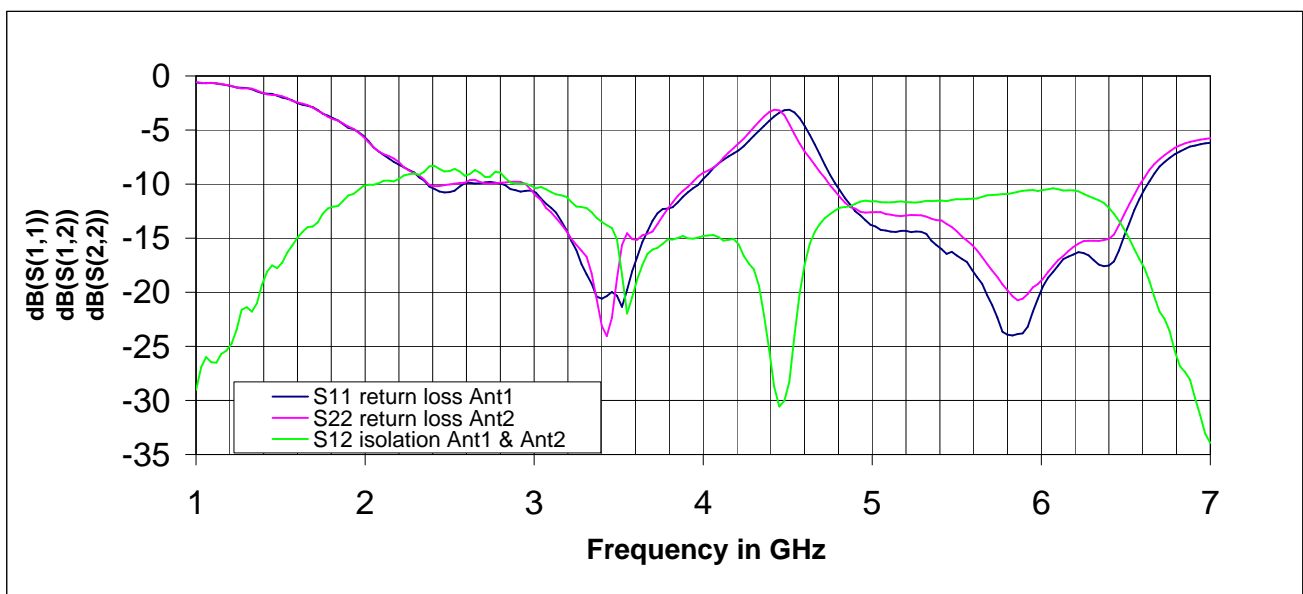
Without Matching Circuit:



*Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

K Messdiagramme/ measuring diagrams:

Without Matching Circuit:



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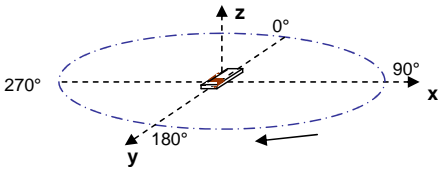


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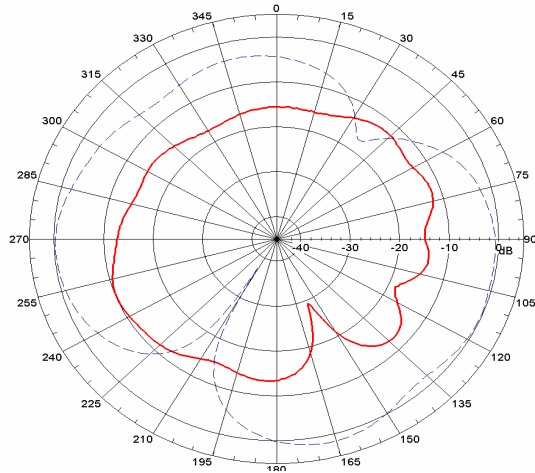
L Richtdiagramme / radiation patterns:

Antenna 1

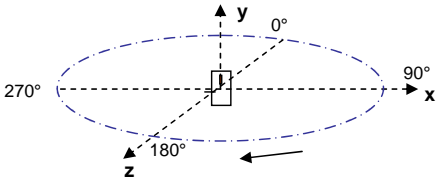
XY cut @ 2.45 GHz
— Vertical
— Horizontal



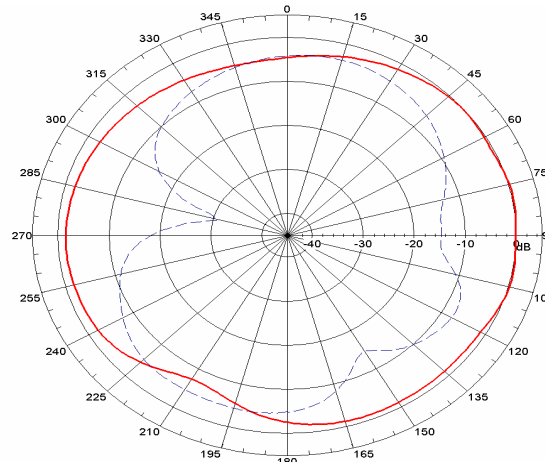
XY-cut scanning direction



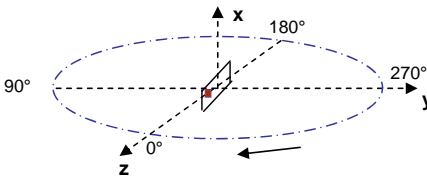
XZ cut @ 2.45 GHz
— Vertical
— Horizontal



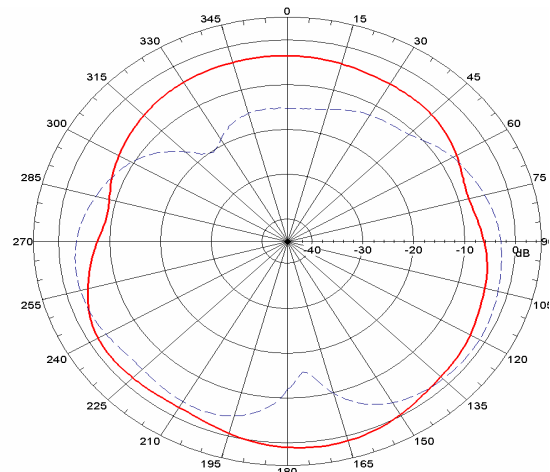
XZ-cut scanning direction



YZ cut @ 2.45 GHz
— Vertical
— Horizontal



YZ-cut scanning direction



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L



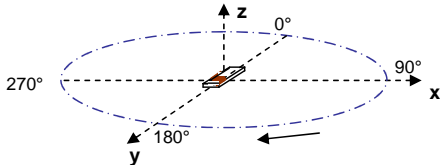
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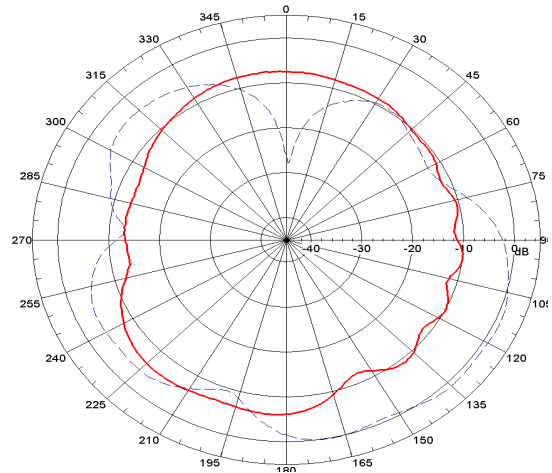
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Antenna 1

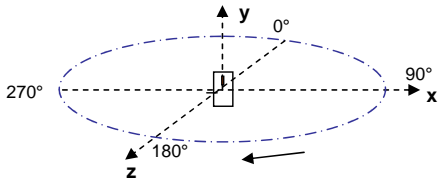
XY cut @ 3,6 GHz
— Vertical
— Horizontal



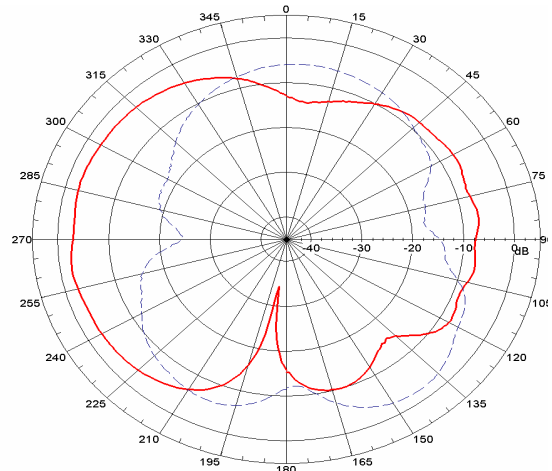
XY-cut scanning direction



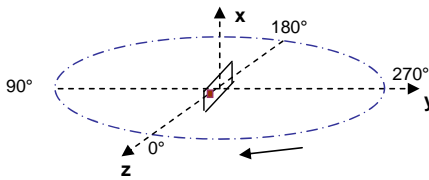
XZ cut @ 3,6 GHz
— Vertical
— Horizontal



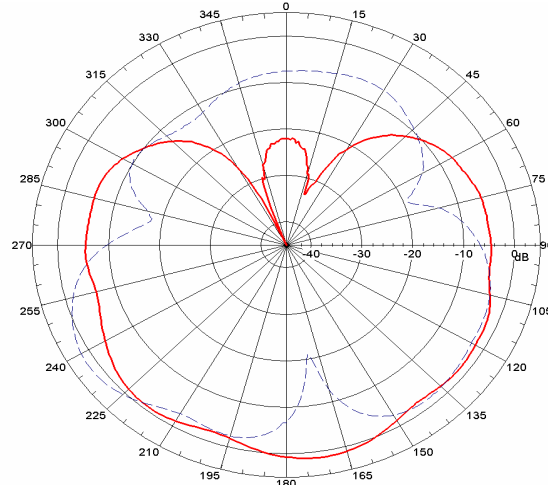
XZ-cut scanning direction



YZ cut @ 3,6 GHz
— Vertical
— Horizontal



YZ-cut scanning direction



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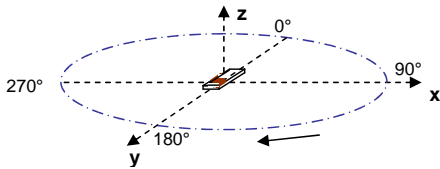
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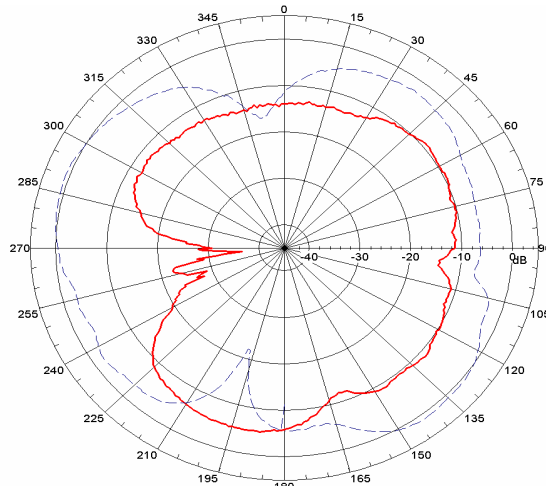
L Richtdiagramme / radiation patterns:

Antenna 1

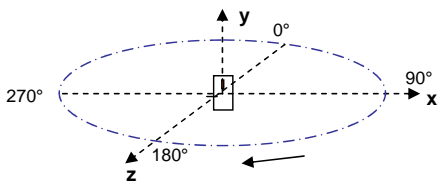
XY cut @ 5,5 GHz
— Vertical
— Horizontal



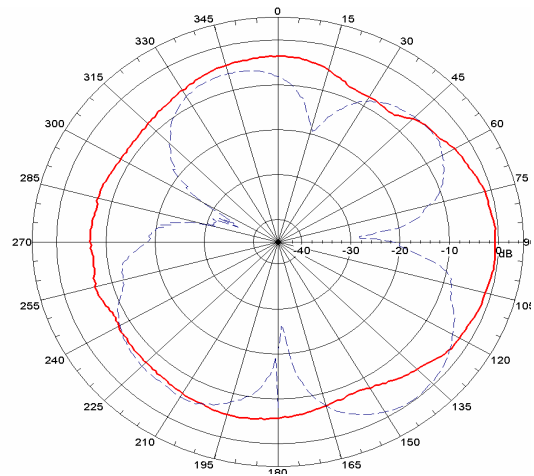
XY-cut scanning direction



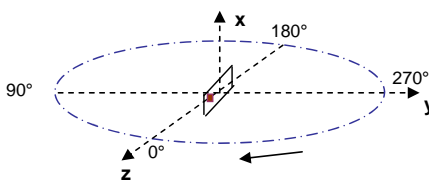
XZ cut @ 5,5 GHz
— Vertical
— Horizontal



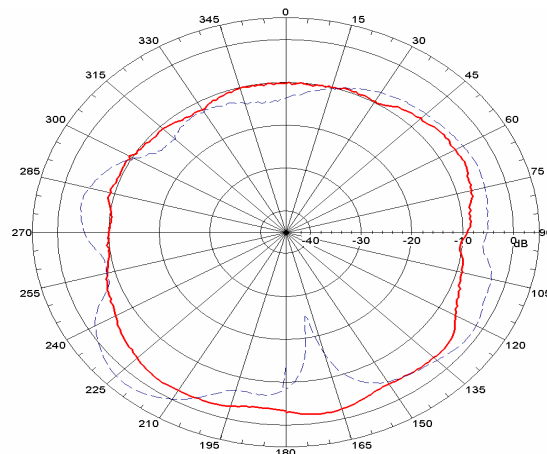
XZ-cut scanning direction



YZ cut @ 5,5 GHz
— Vertical
— Horizontal



YZ-cut scanning direction



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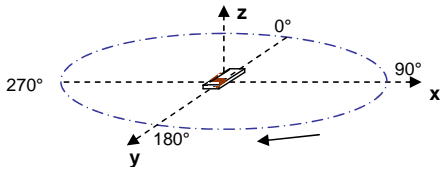
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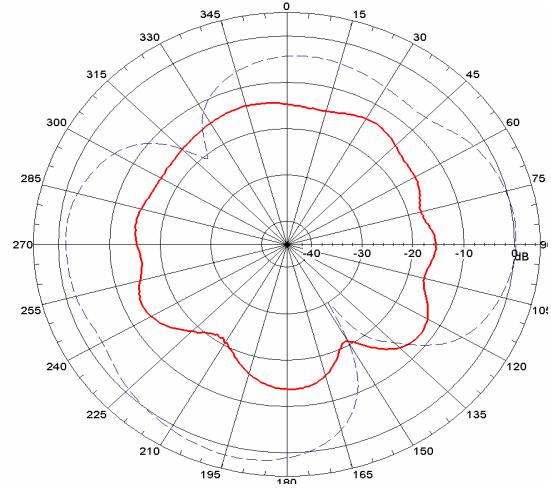
L Richtdiagramme / radiation patterns:

Antenna 2

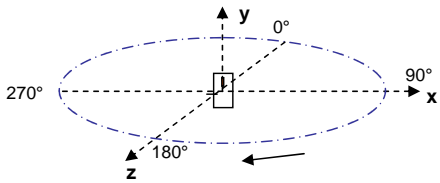
XY cut @ 2,45 GHz
— Vertical
— Horizontal



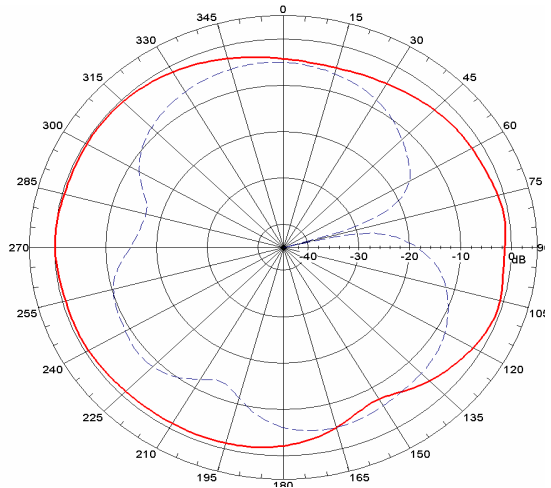
XY-cut scanning direction



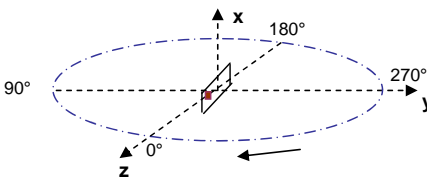
XZ cut @ 2,45 GHz
— Vertical
— Horizontal



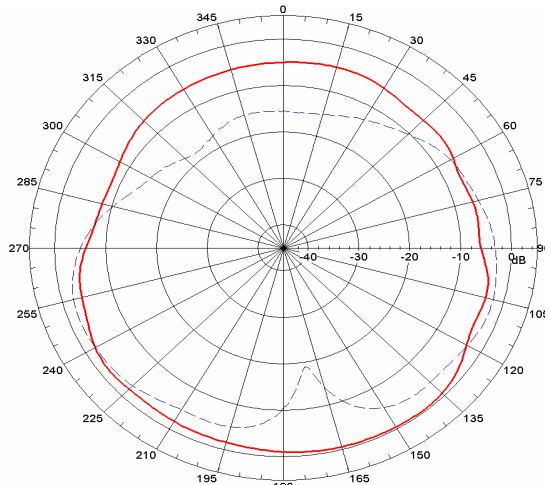
XZ-cut scanning direction



YZ cut @ 2,45 GHz
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YZ-cut scanning direction



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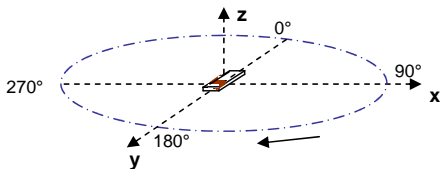
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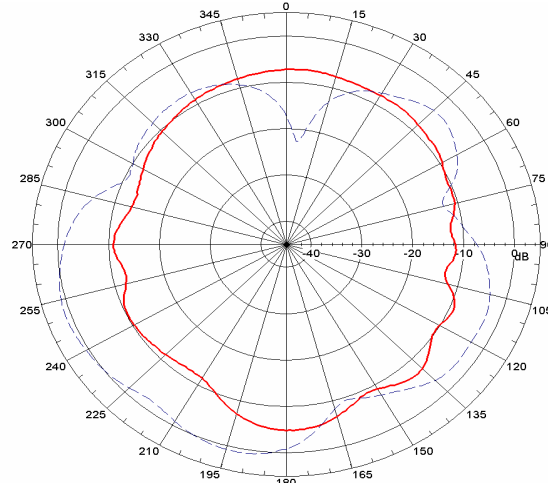
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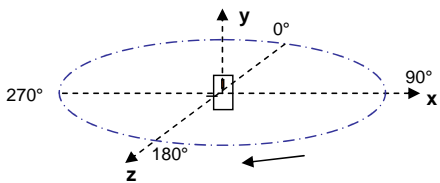
XY cut @ 3,6 GHz
— Vertical
— Horizontal



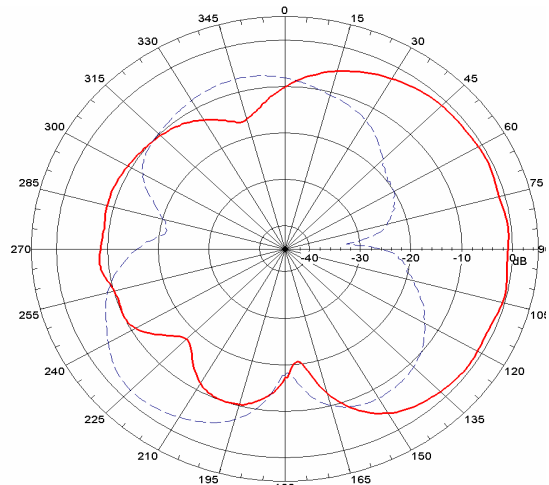
XY-cut scanning direction



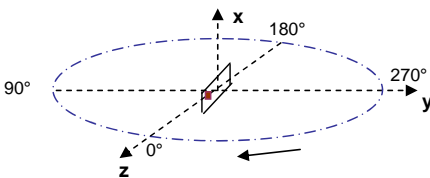
XZ cut @ 3,6 GHz
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— Horizontal



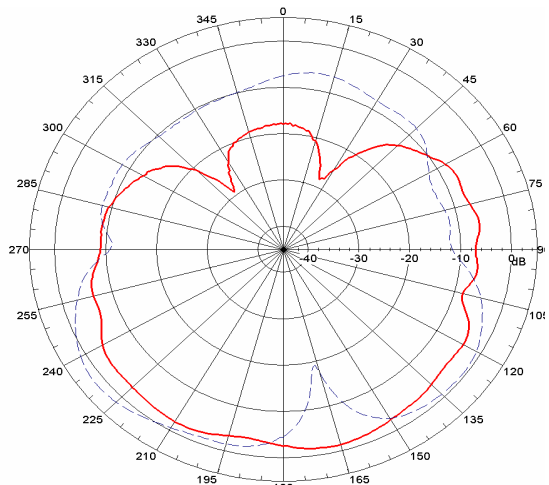
XZ-cut scanning direction



YZ cut @ 3,6 GHz
— Vertical
— Horizontal



YZ-cut scanning direction



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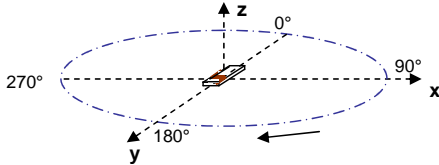
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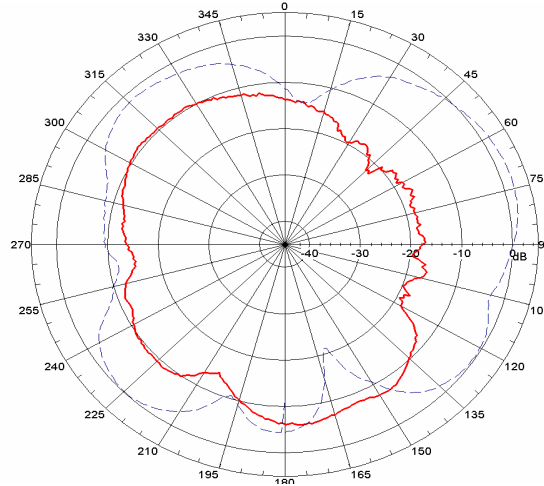
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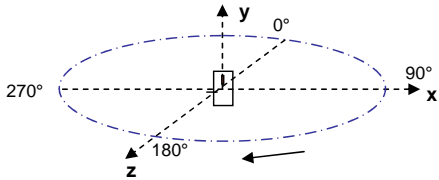
XY cut @ 5,5 GHz
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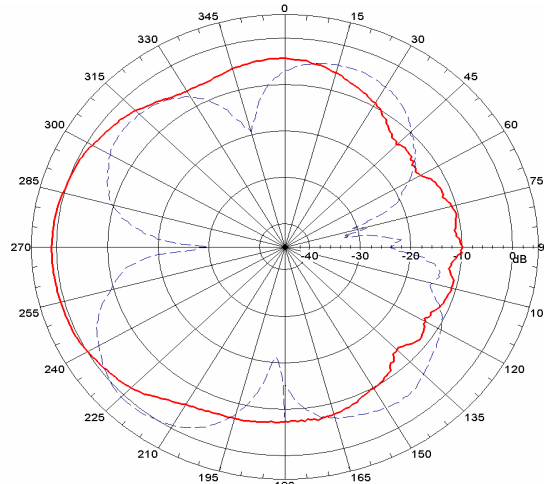
XY-cut scanning direction



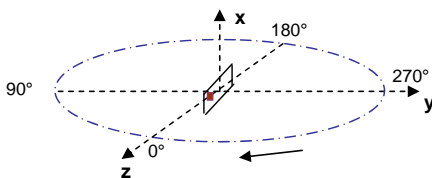
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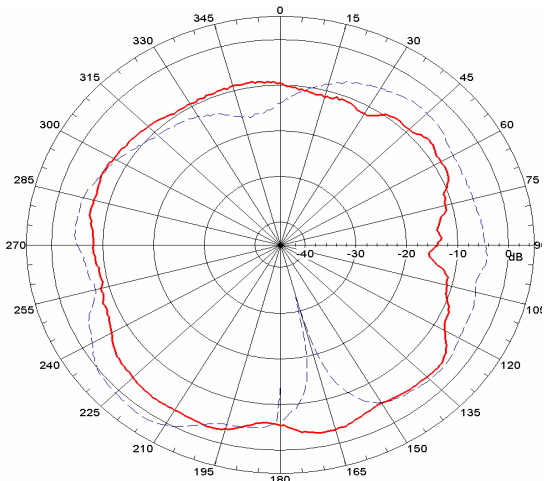
XZ-cut scanning direction



YZ cut @ 5,5 GHz
— Vertical
— Horizontal



YZ-cut scanning direction



This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of direct damage or injury to human body, for example in the range of aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. Würth Elektronik eiSos GmbH must be informed before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
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- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.