

**Description:** RO, 10 dBi, 5.725-5.925 GHz, NF

**Series:** Radome Omni

**PART NUMBER:** RO5810NF



### Features:

- Omnidirectional radiation pattern in H-plane
- 10/9 dBi Gain
- Stable gain and pattern across the operating band
- IP67
- N-Female connector

### Applications:

- 5 GHz ISM band
- DSRC
- WiFi 5.x GHz
- Indoor/Outdoor use

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In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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**Description:** RO, 10 dBi, 5.725-5.925 GHz, NF**Series:** Radome Omni**PART NUMBER:** RO5810NF**ELECTRICAL SPECIFICATIONS**

Antenna Type	Collinear dipole array
Frequency	5.725-5.925 GHz
Nominal Impedance	50 $\Omega$
VSWR	2:1
Radiation Pattern	Omni
HPBW / Vertical Plane	8.5 ° $\pm$ 0.5 °
Gain (5.725-5.875 GHz)	10 dBi +/- 1 dB
Gain (5.875-5.925 GHz)	9 dBi +/- 1 dB
Efficiency	70 %
Polarization	Vertical
Power Withstanding	20 W
E.S.D. Protection	DC Grounded

**MECHANICAL SPECIFICATIONS**

Overall Length	434 mm
Weight	167.3 g
Antenna Color / Material	White / Pultruded Fiberglass, UV-Protected
Connector type	N-Female

**ENVIRONMENTAL SPECIFICATIONS**

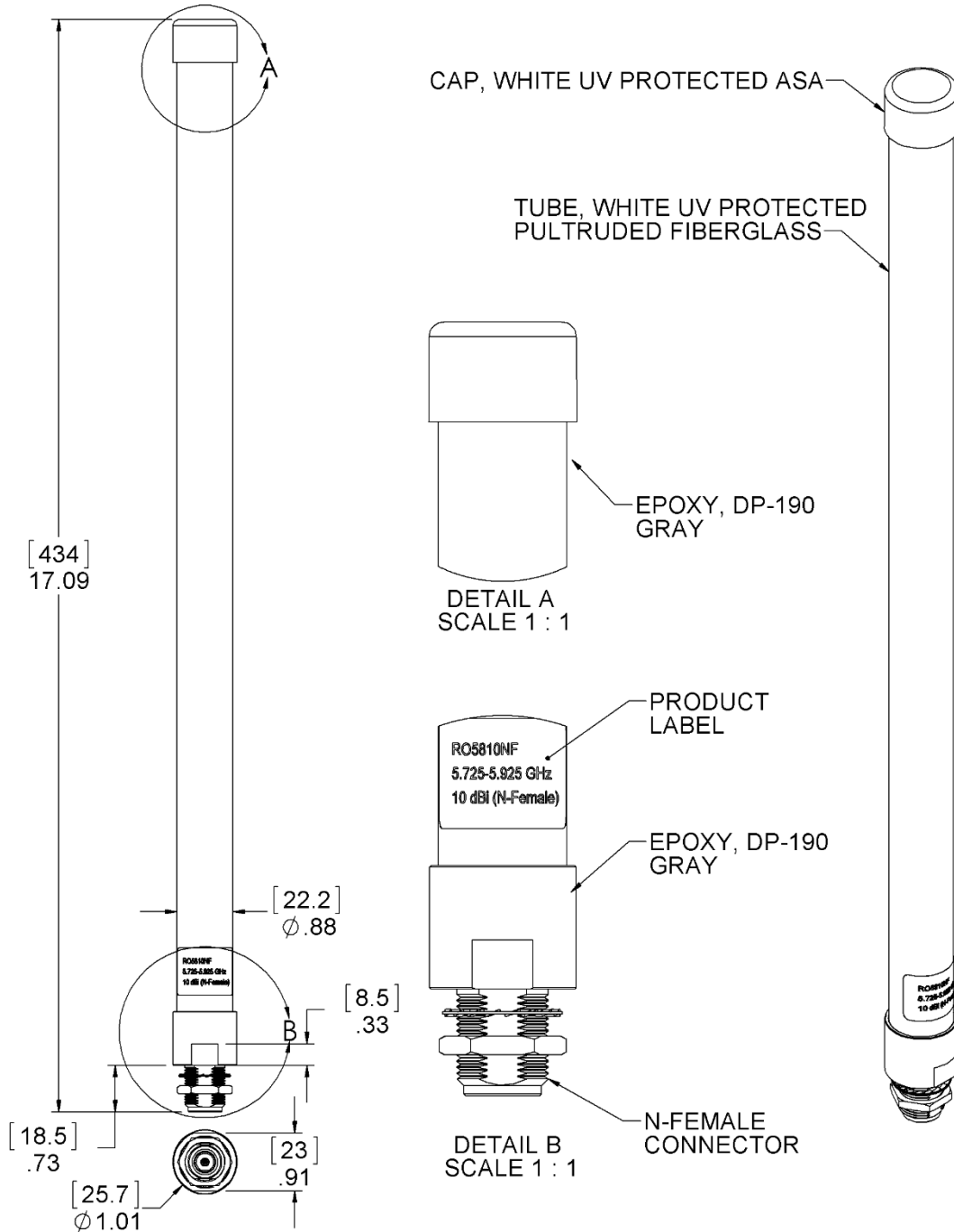
Operating Temperature	-30° to +60° C
Ingress Protection	IP67
Wind-loading	241.4 km/h
RoHS Compliant	Yes

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**MECHANICAL DRAWING**



All dimensions are in mm / inches

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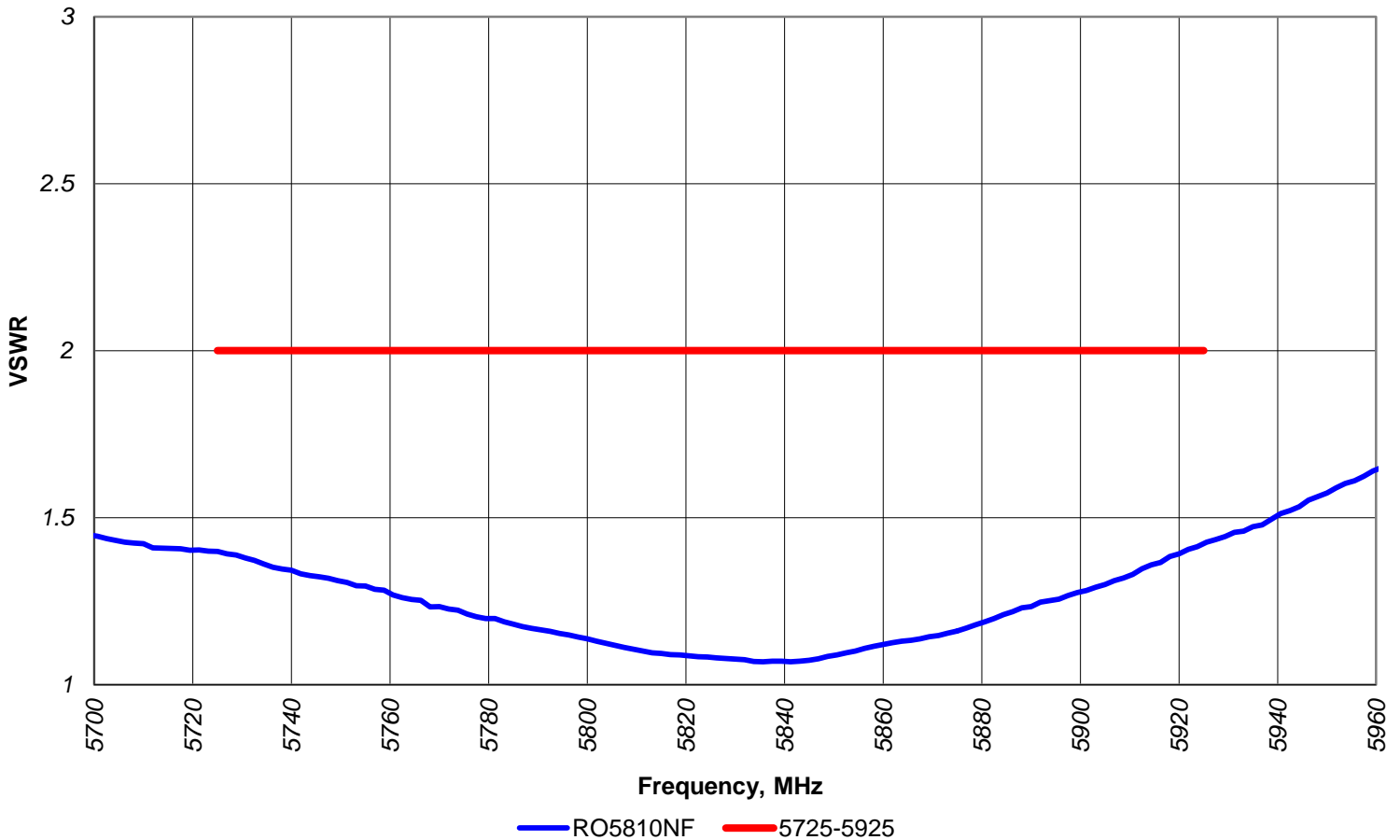
Series: Radome Omni

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CHARTS

VSWR vs Frequency  
RO5810NF

Measured at Pulse, USA - Aug 16, 2016



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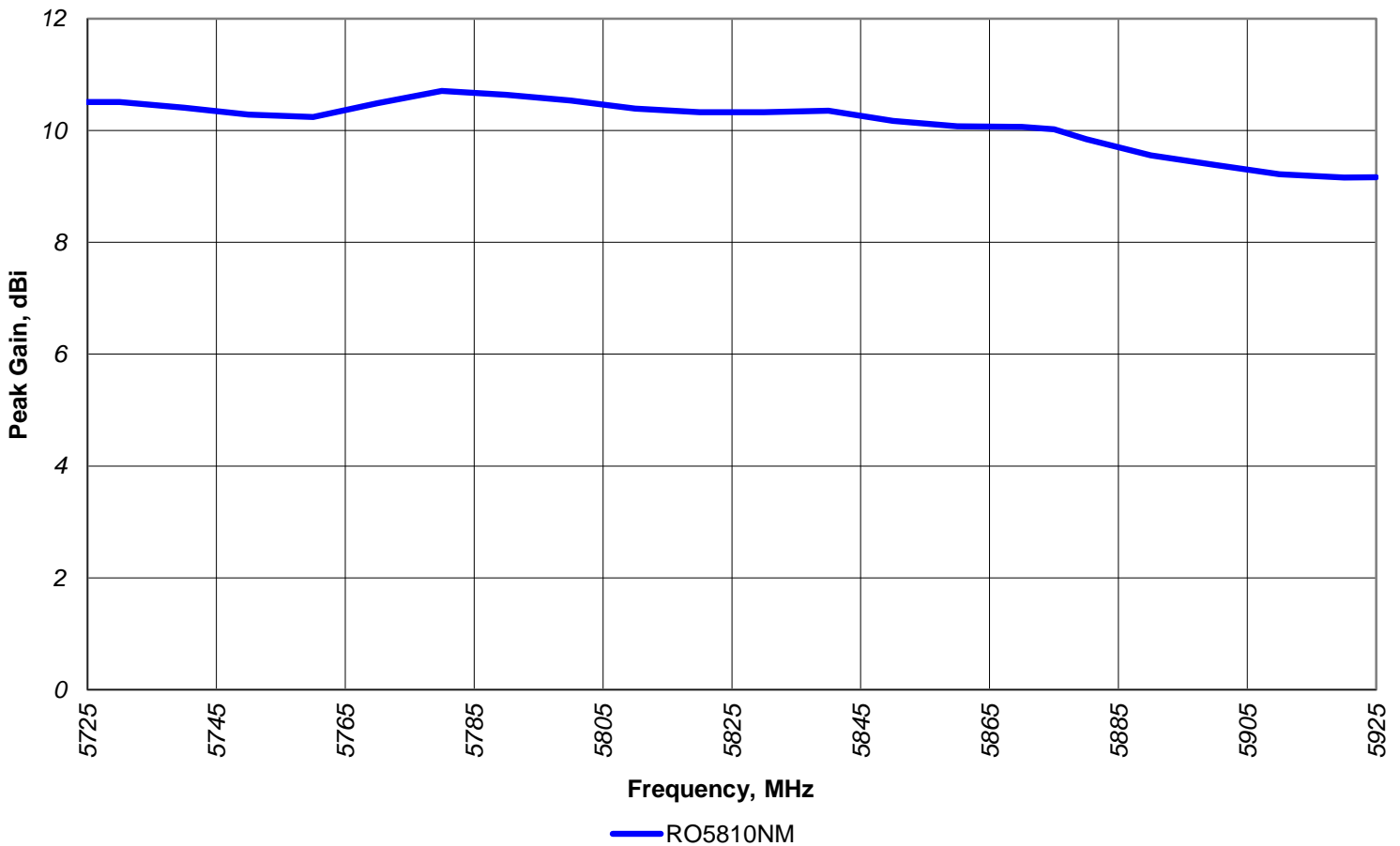
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CHARTS

Peak Gain vs Frequency  
RO5810NF

Measured at Pulse, USA - Aug. 16, 2016



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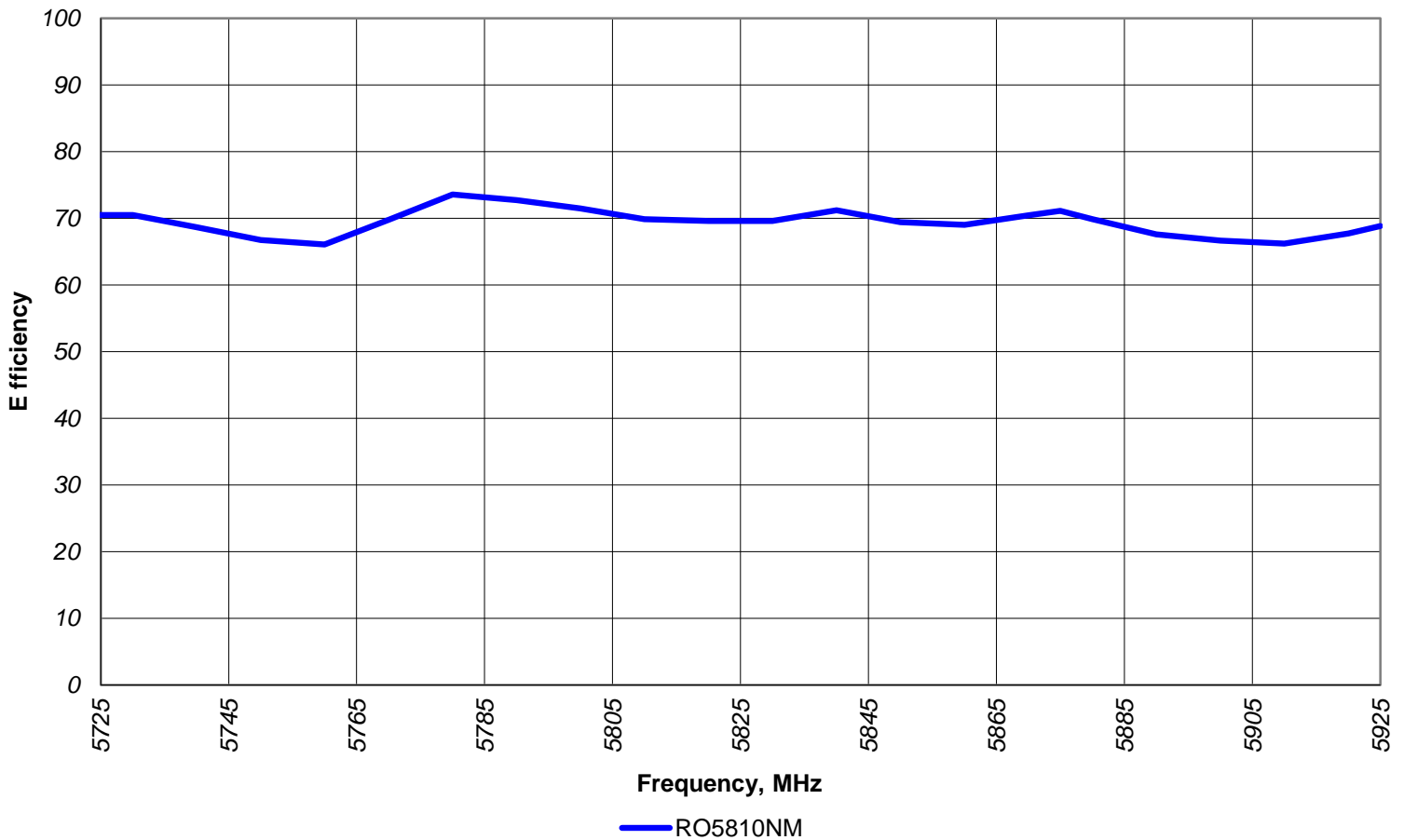
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CHARTS

Efficiency vs Frequency  
RO5810NF

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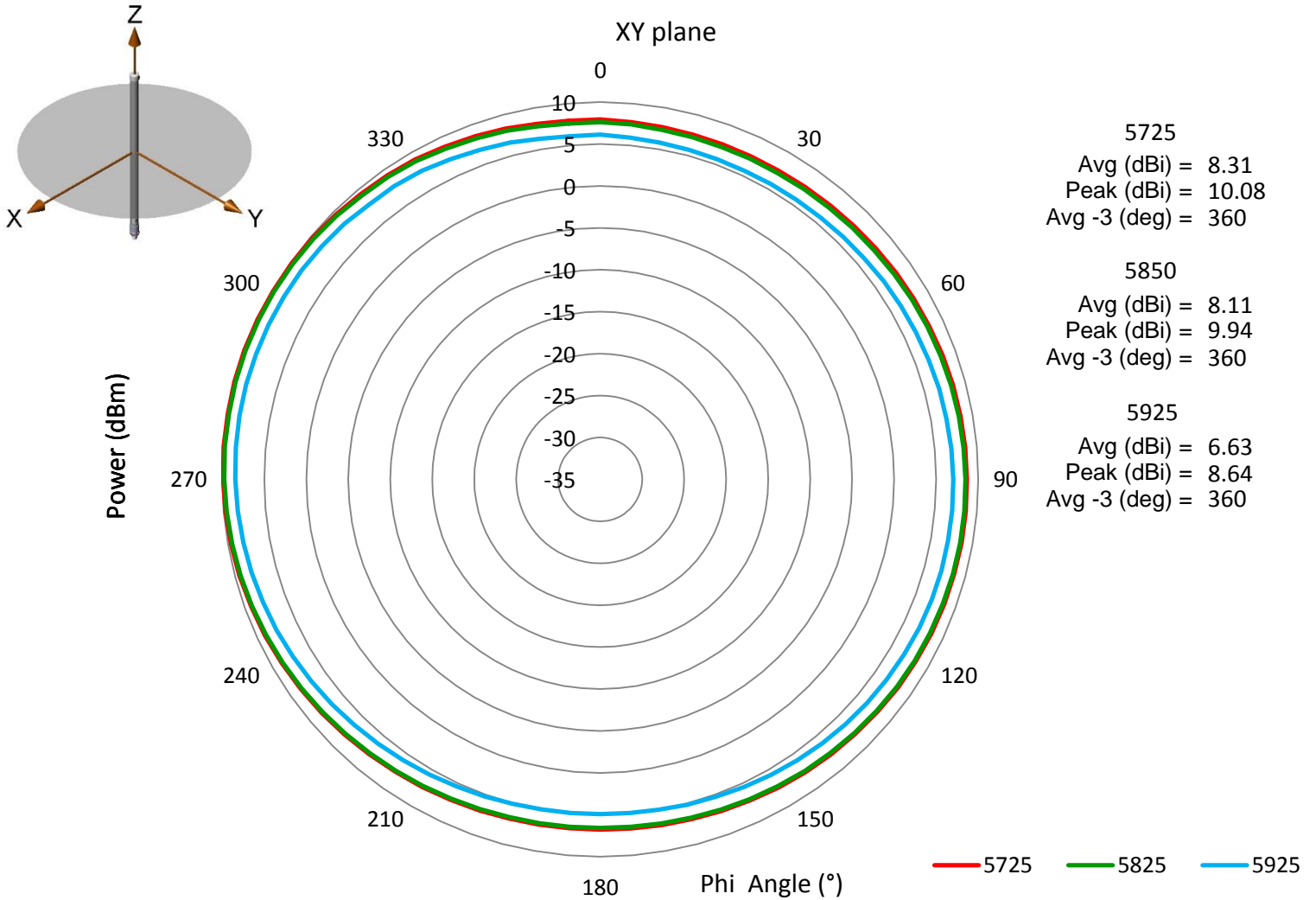


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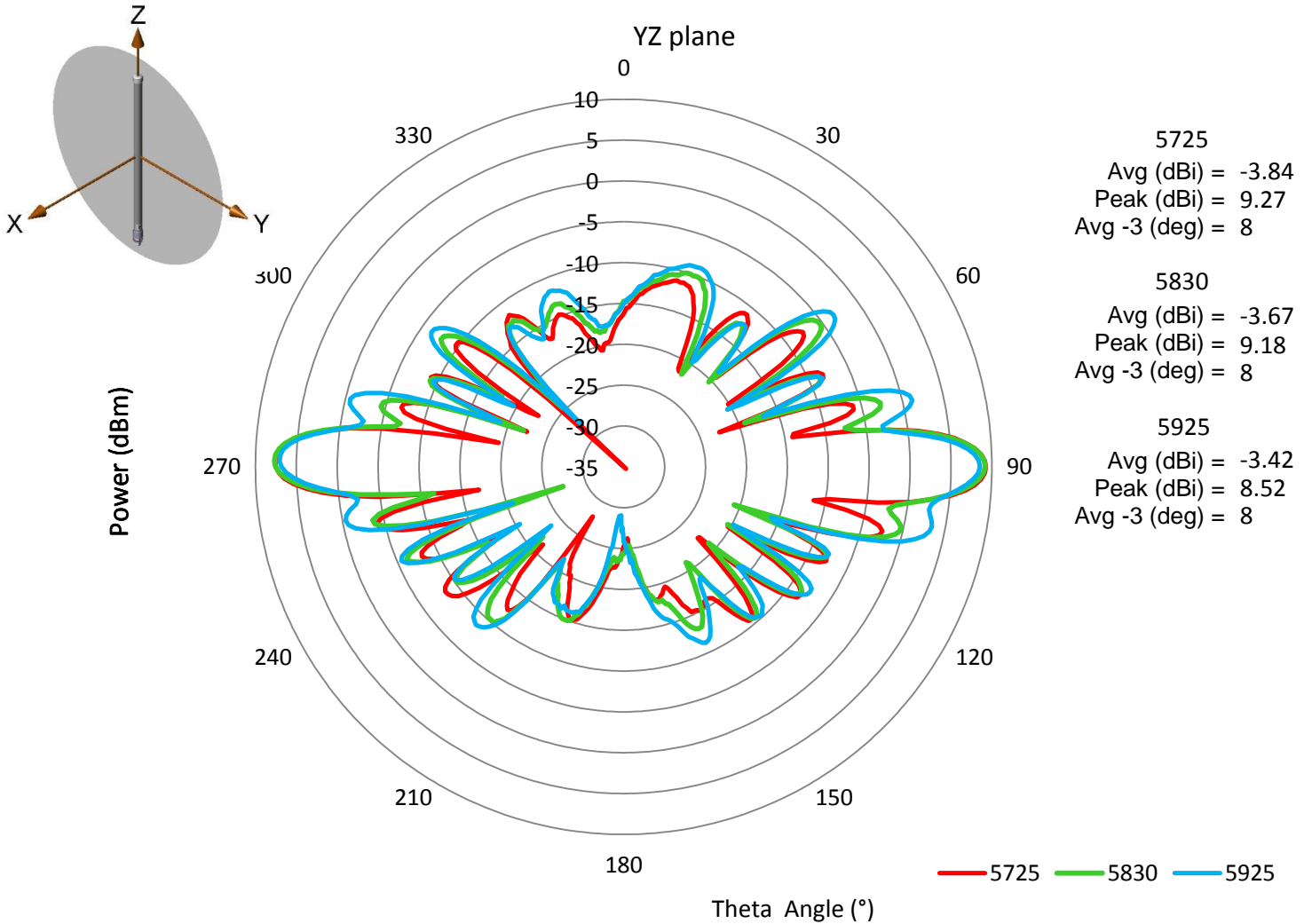
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## PACKAGING

Packaged one product per Poly-bag with product label attached to outside of bag.

## ASSEMBLY

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- 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

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