

Raytron Ltd.

Microwave, antenna and array technology

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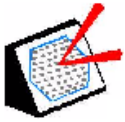
E-Mail Address: raytron@zahav.net.il

***Specification
for:***

***SPR Subscriber
Antenna 5.8Ghz***

Raytron P/N: 5803-SV

Airspan P/N: 901-000-26



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SPR subscriber Antenna 5.8GHz

Raytron P/N: 5803-SV

Antenna Type: Flat Printed Antenna.

Specifications:

Electrical:

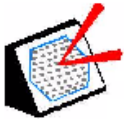
Freq. Range (Mhz)	: 5725-5875
Gain (dBi)	: 16min
-3dB Beam Width E-Plane (Deg)	: $12 \pm 1^\circ$
-3dB Beam Width H-Plane (Deg)	: $21 \pm 2^\circ$
Polarization	: Linear Vertical
VSWR Max	: 1:1.6
Impedance (Ω)	: 50
Power Handling (Watt)	: 20
Sidelobes Level (dB)	: -12
Front-to-back Ratio (dB)	: 25
Sidelobe in the Invisible Range (120-240) (dB)	: -17

Mechanical

Dimensions WxH (mm)	: 116x190
Input RF Interface	: OSX male connector

Environmental:

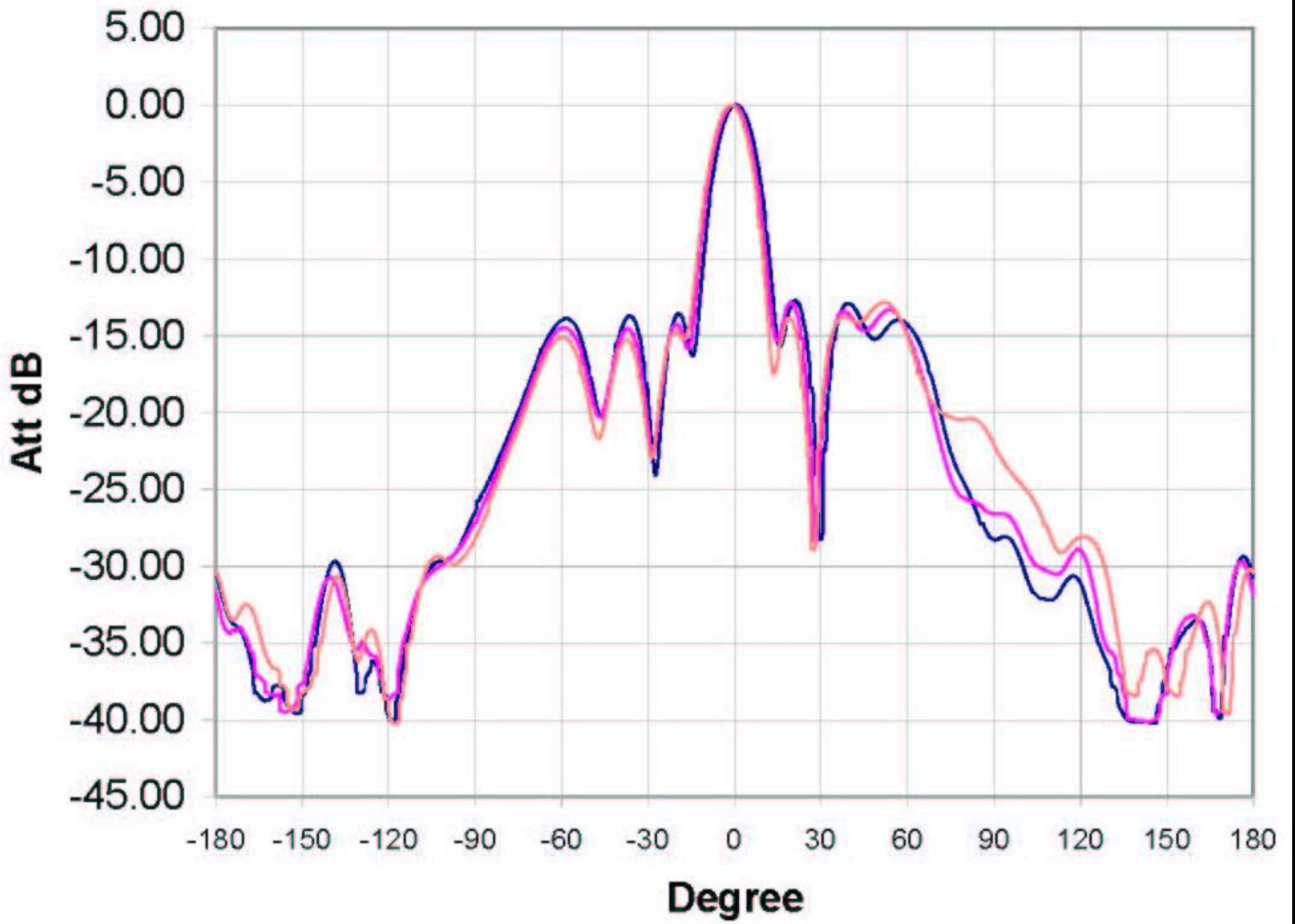
Operating Temperature	: -30 ÷ +70
Lightning Protection	: Radiating elements- DC grounded
Flammability UL (Std. 94)	: UL 94V-0

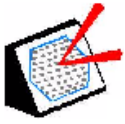


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5803-SV Azimuth

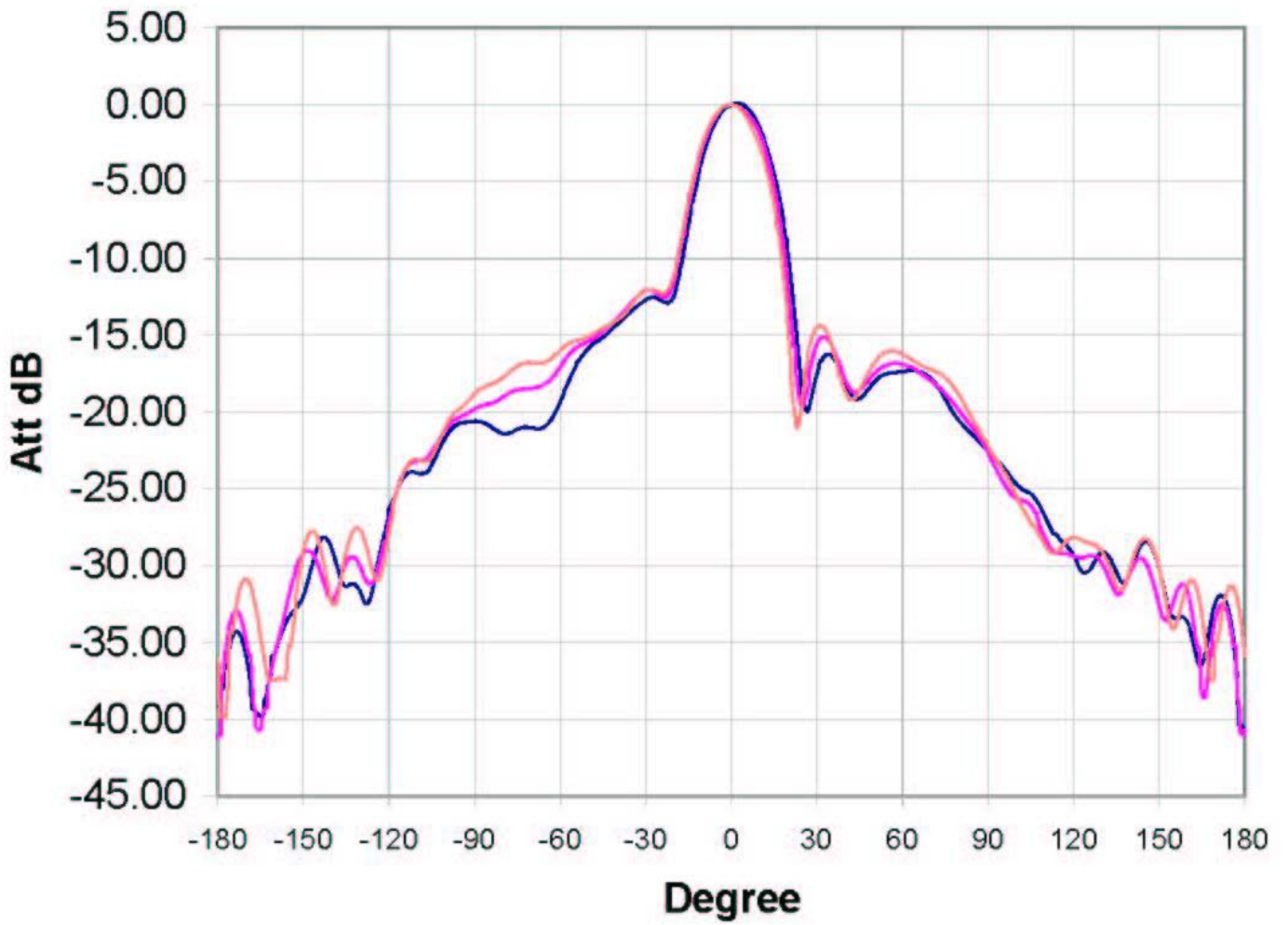




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5803-SV Elevation



Comparison table

BSR and SPR antennas characteristics

Frequency MHz	Product	Matrix (XxY)	Beam Width (HxV)	Gain dBi	Pol	Raytron P/N	Notes
5725-5875	BSR	1x4	60x15	11	Ver	5803BV	Diversity
	SPR	5x3	21x12	16	Ver	5803SV	