

Radio approval Optiwave x500 series
Antenna characteristics for LPR applications

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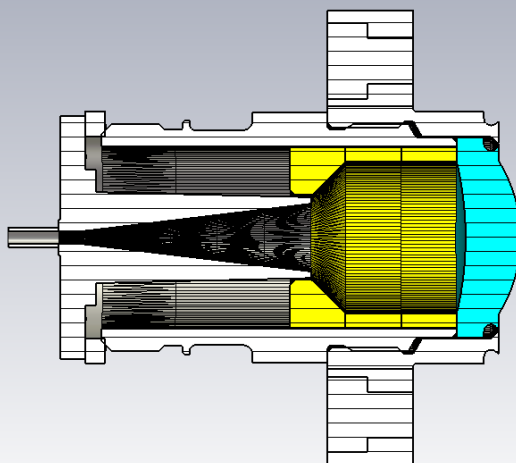
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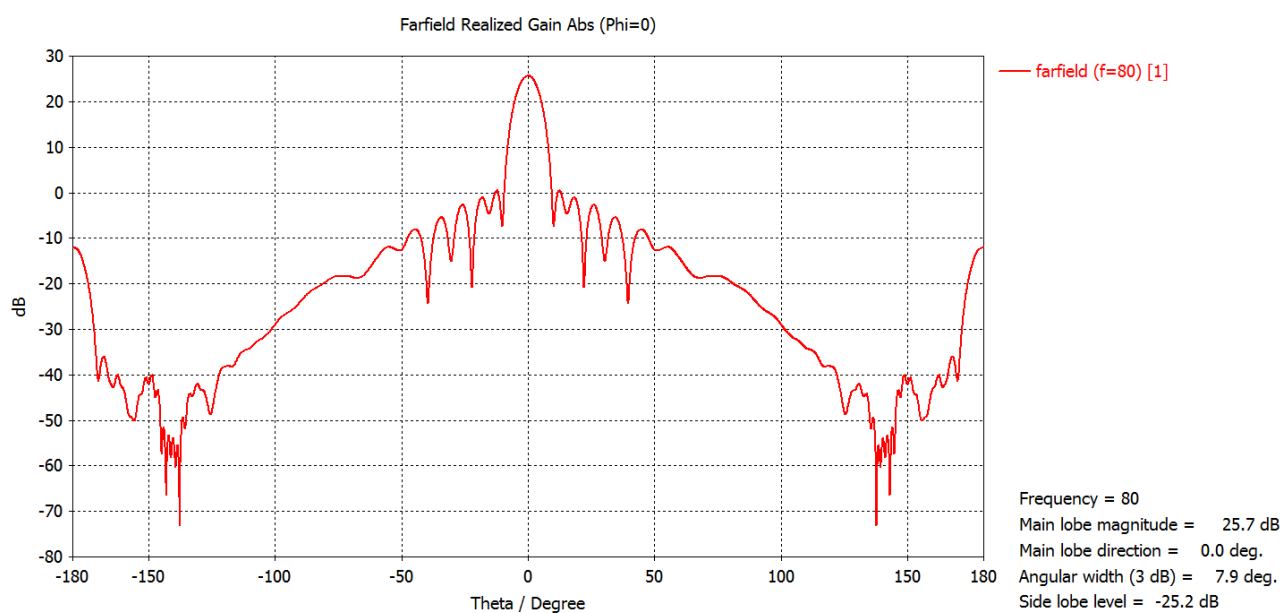
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1.1.2	Radiation pattern in H-plane	Fehler! Textmarke nicht definiert.
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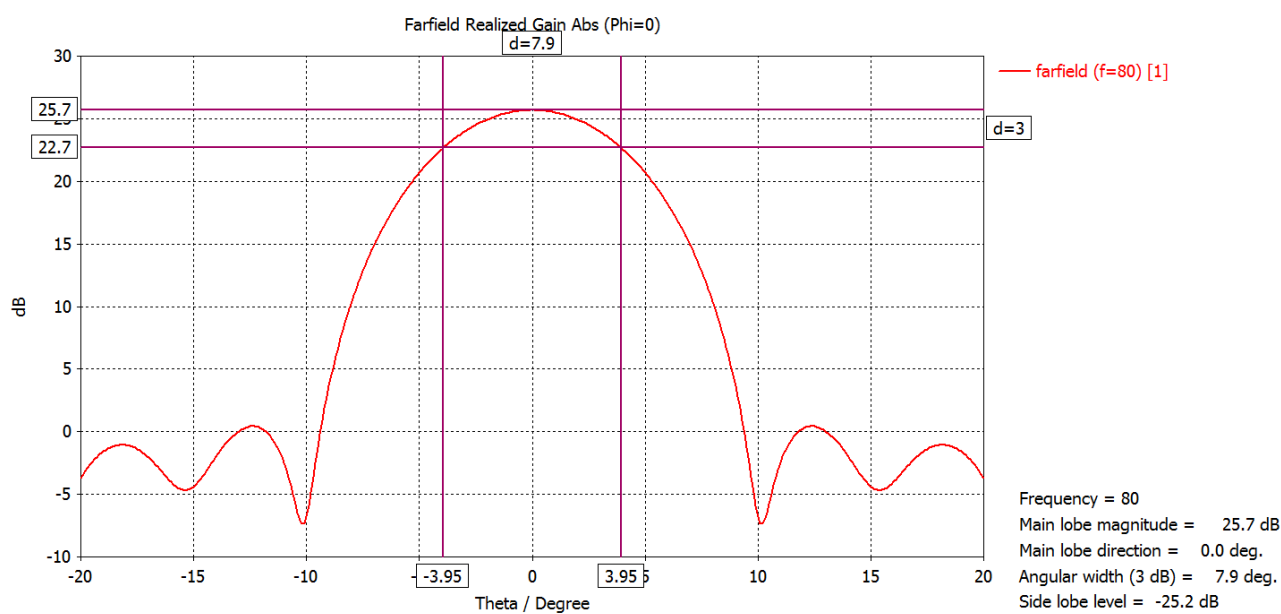
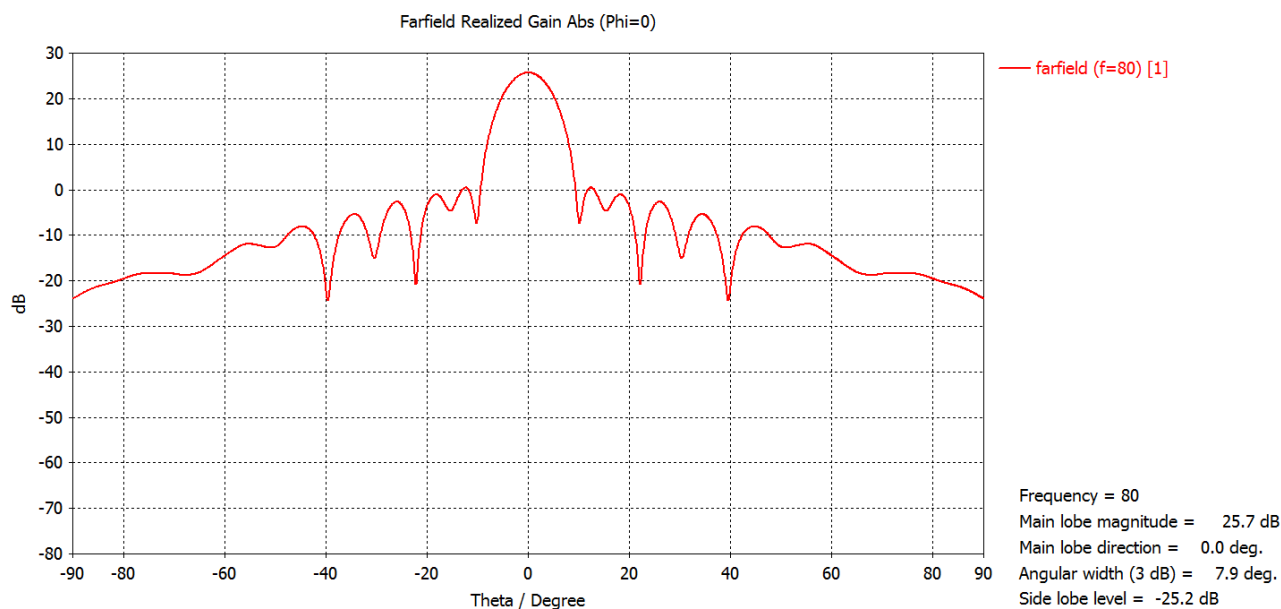
1 Antenna characteristics

1.1 Lense antenna 1½" convex (40 mm)

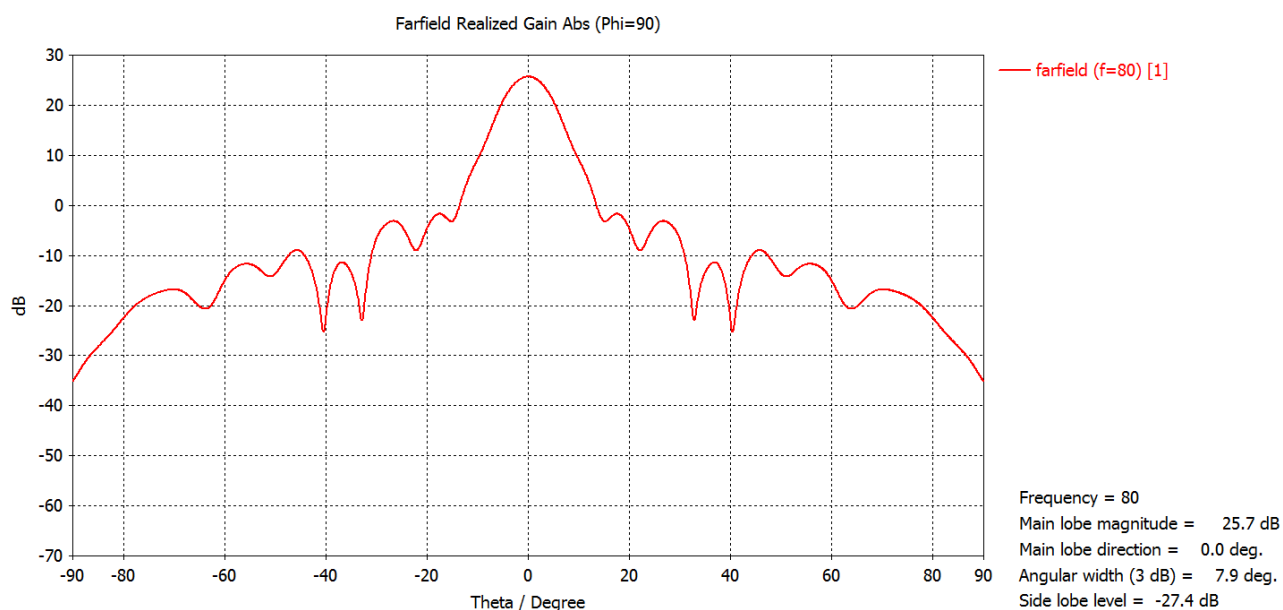
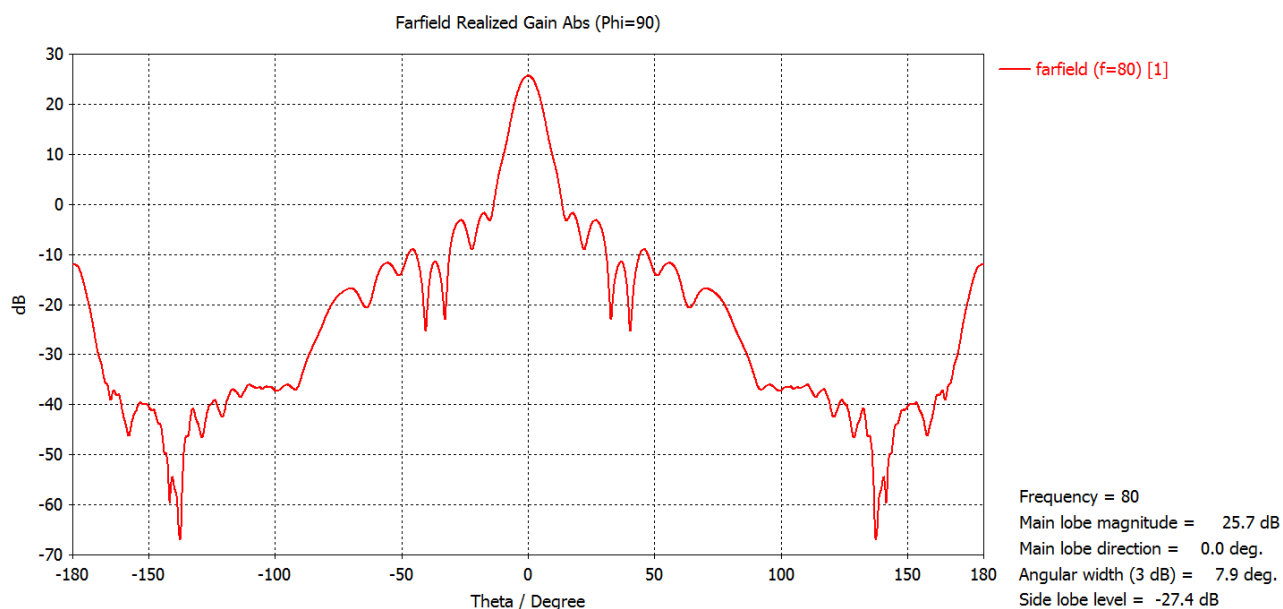


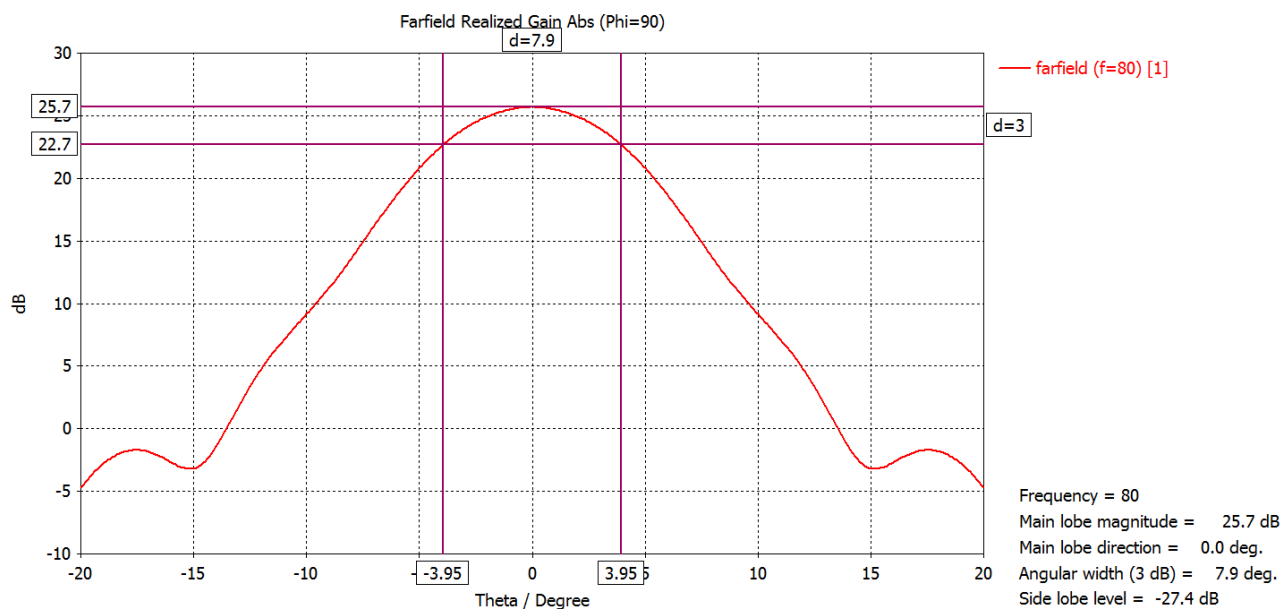
1.1.1 Radiation pattern in E-plane



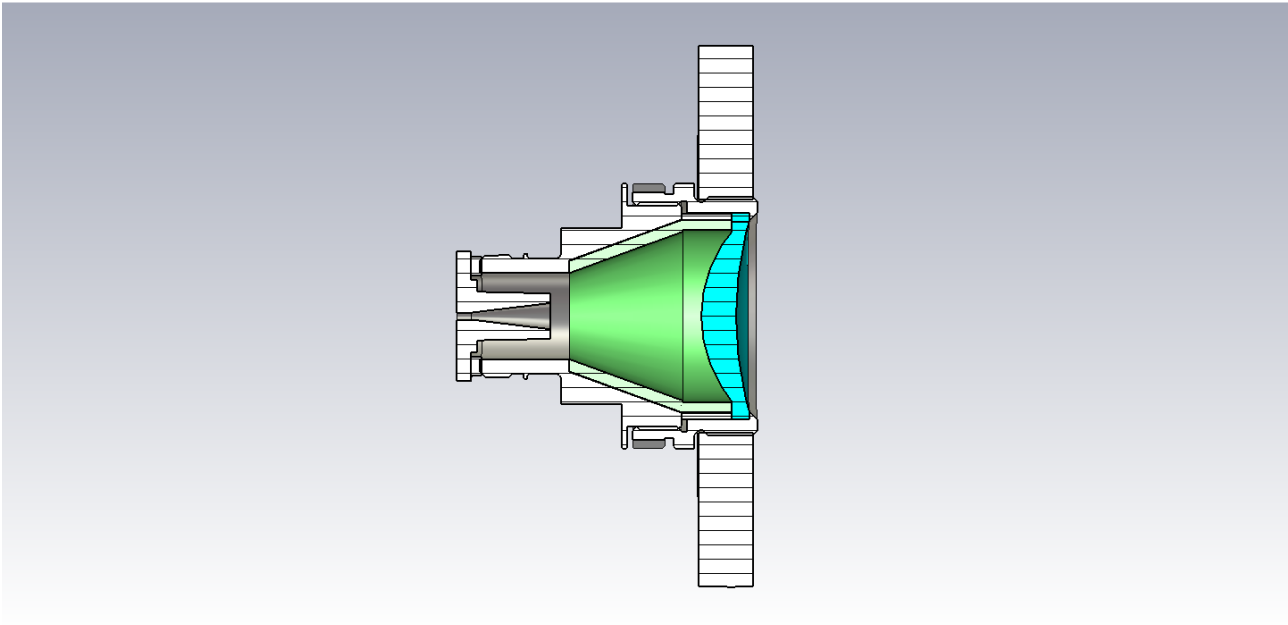


1.1.2 Radiation pattern in H-plane

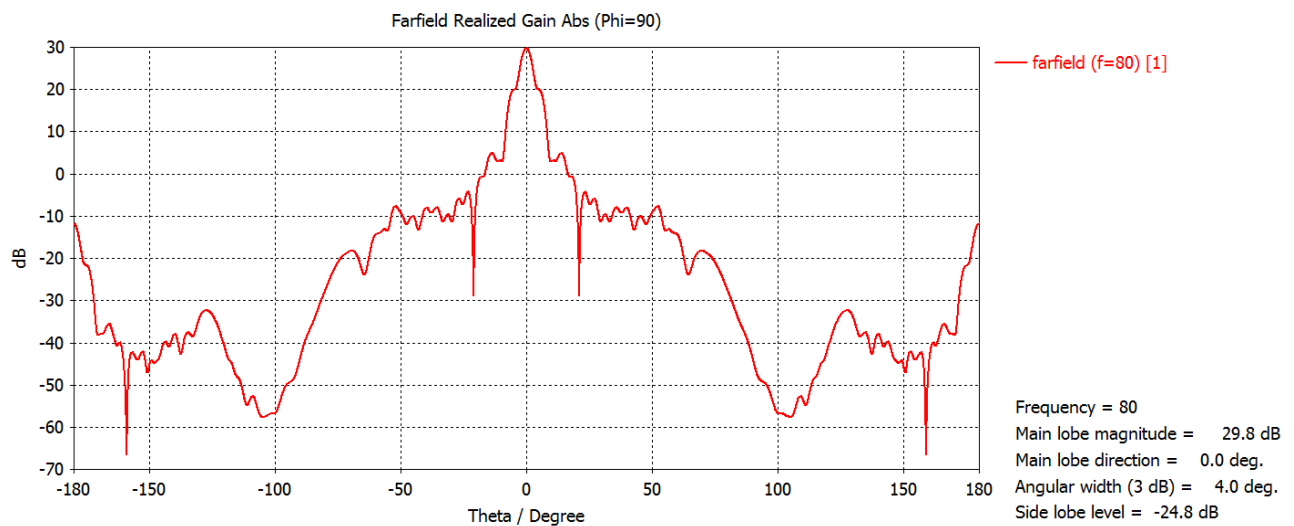


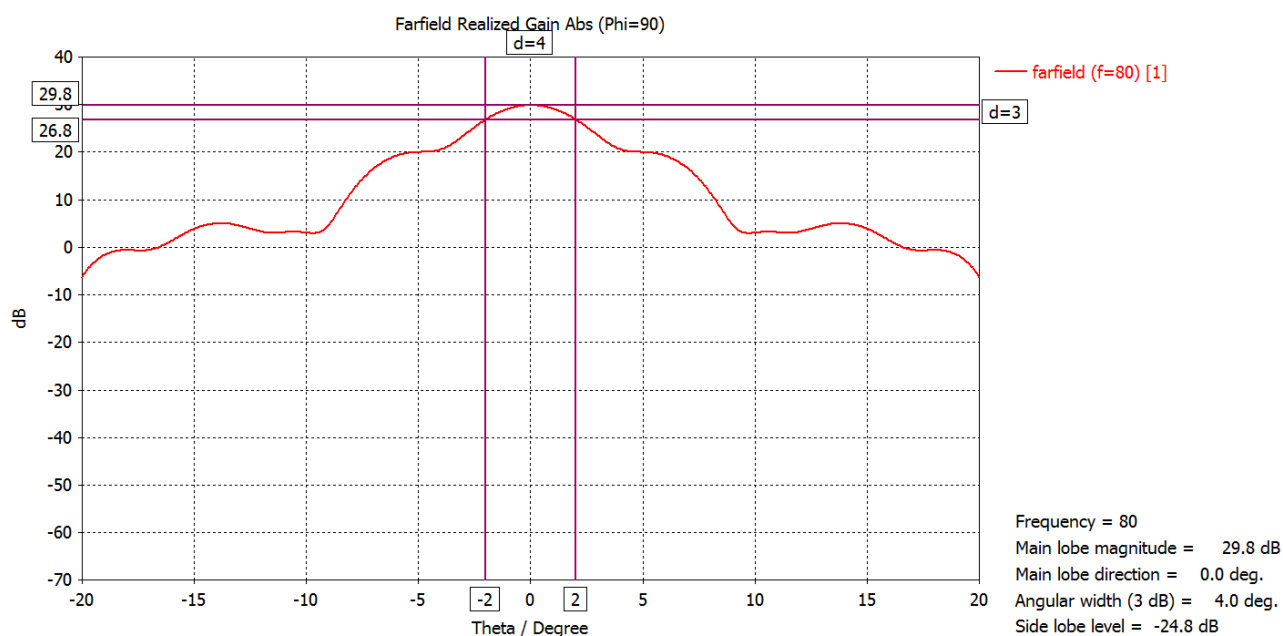
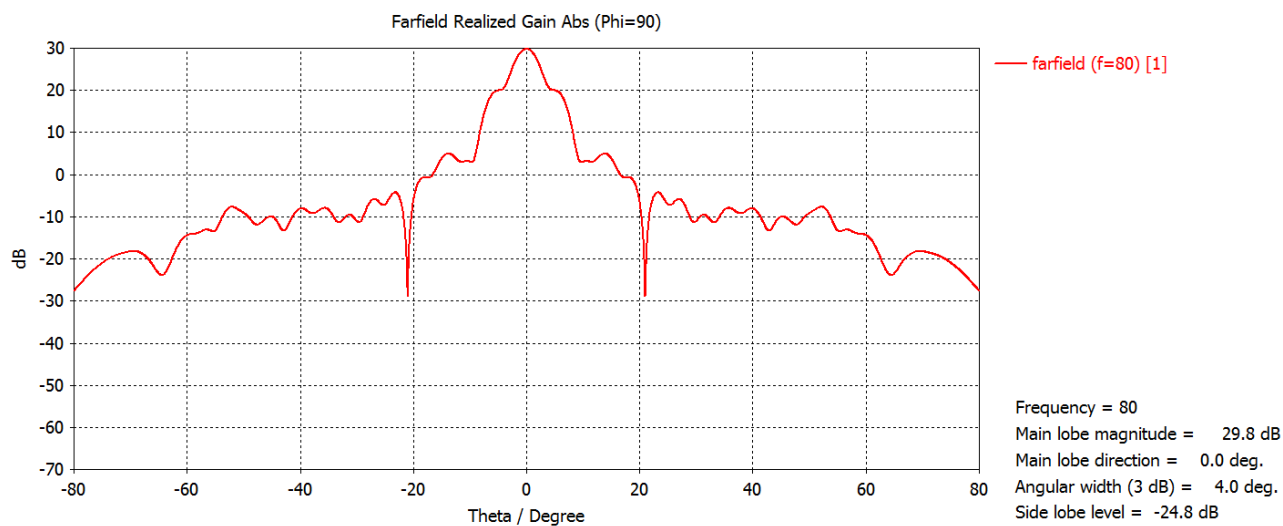


1.2 Lense antenna 2³/₄" concave (70 mm)

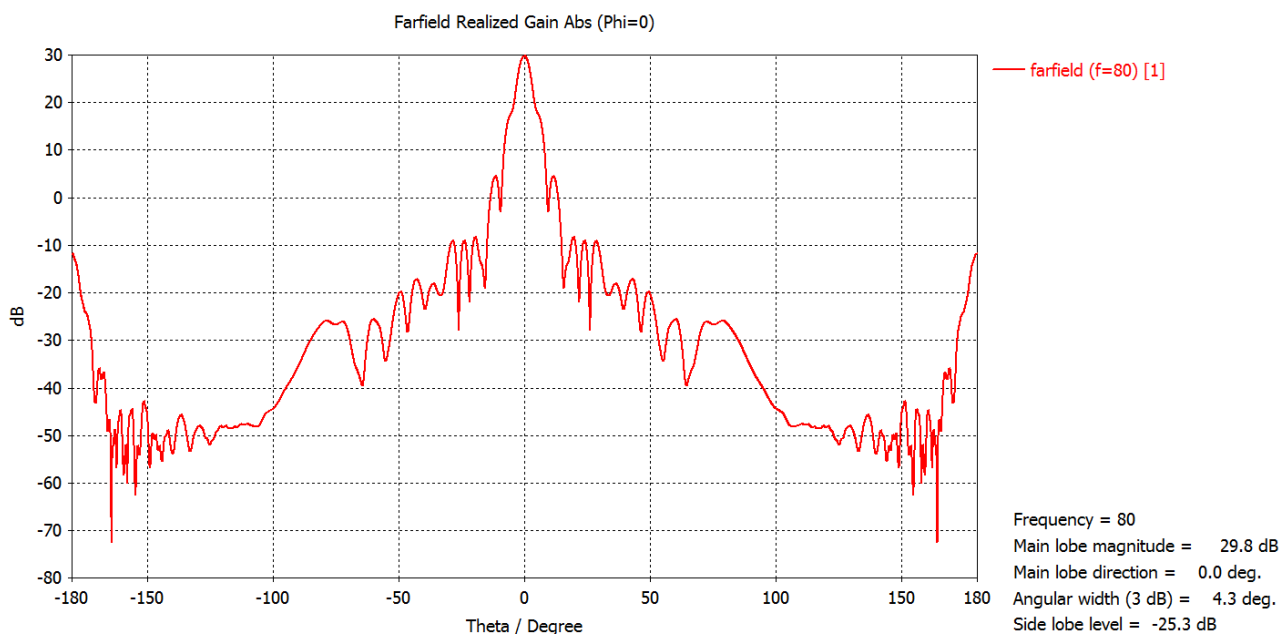


1.2.1 Radiation pattern in E-plane

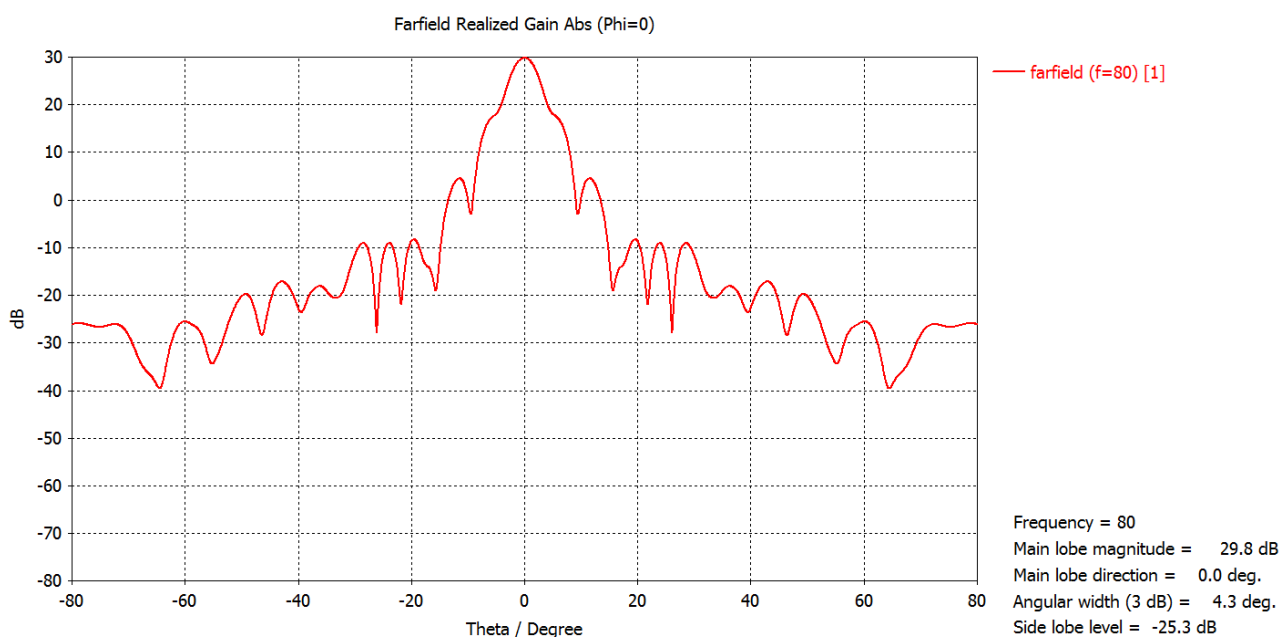


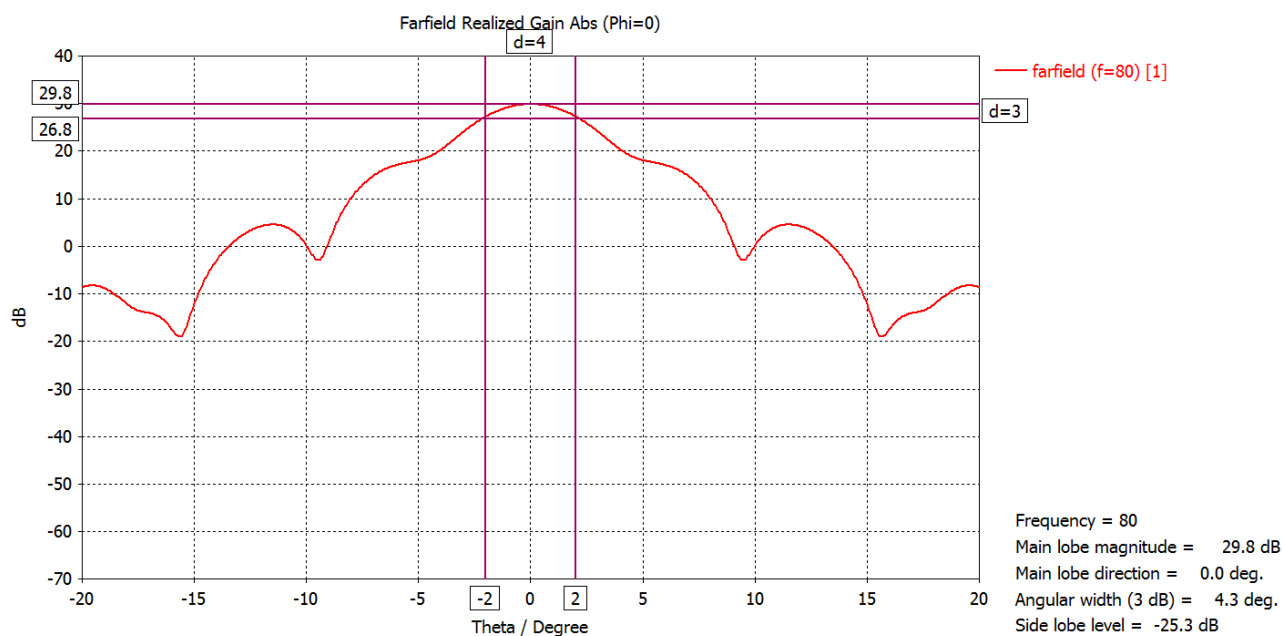


1.2.2 Radiation pattern in H-plane



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1.3 Antenna overview

Type	Gain [dB]	Angular width E- / H-plane [°]
Lense antenna 1½" convex (40 mm)	25.7	7.9 / 7.9
Lense antenna 2¾" concave (70 mm)	29.8	4.0 / 4.3