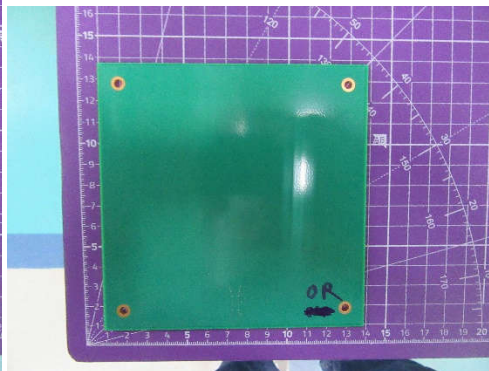
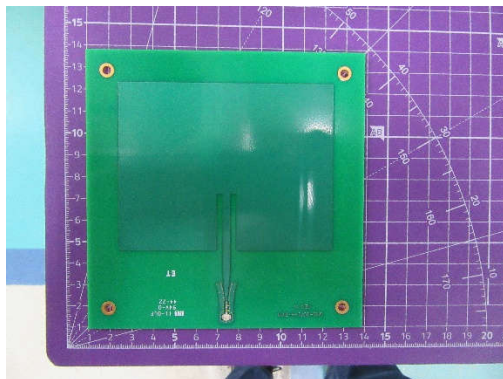




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ANTENNA EXHIBIT		
Manufacturer Name	Fastenal Company	
Manufacturer Address	2001 Theurer BLVD Winona MN 55987	
Model No.	Model numbers	
Specifications	FCC "Code of Federal Regulations" Title 47 Part 2.1033(b)(4), 15.203, 15.212, 15.217, 15.219, 15.255 and 15.256 KDB 353028 D01 v01 f01 Industry Canada RSS-GEN	
Test Facility	Elite Electronic Engineering, Inc. 1516 Centre Circle, Downers Grove, IL 60515	FCC Reg. Number: 269750 IC Reg. Number: 2987A CAB Identifier: US0107
Requirement	<p>All part 15 applications will need to show how the antenna gain was derived either from a manufacturer data sheet or a measurement.</p> <p>Where the gain of the antenna is inherently accounted for as a result of the measurement, such as field strength measurements on a part 15.249 or 15.231 device, so the gain does not necessarily need to be verified. However, enough information regarding the construction of the antenna shall be provided. Such information maybe photographs, length of wire antenna etc.</p> <p>The antenna gain information shall be made public (not confidential). Any proprietary information such as construction maybe stripped from the gain information report and held confidential. The main antenna information we require is the maximum gain of the antenna for the band of operation.</p> <p>This information must be provided as a data sheet or a measurement report.</p>	

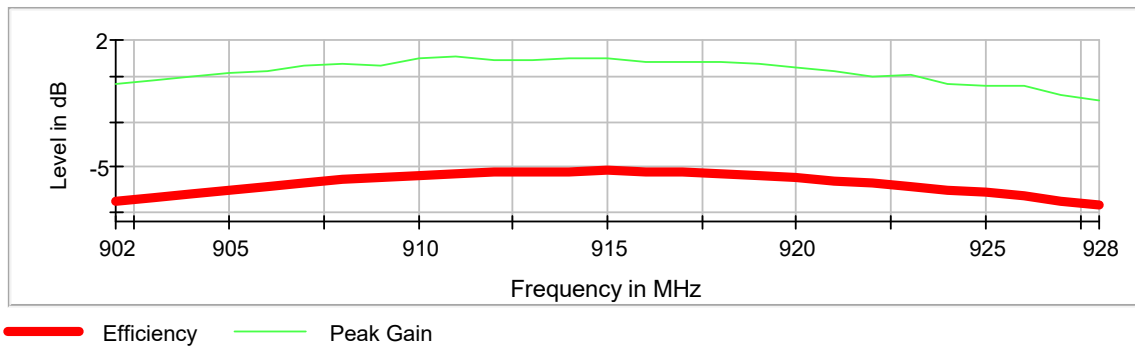
Patch antenna 14 cm x 14 cm



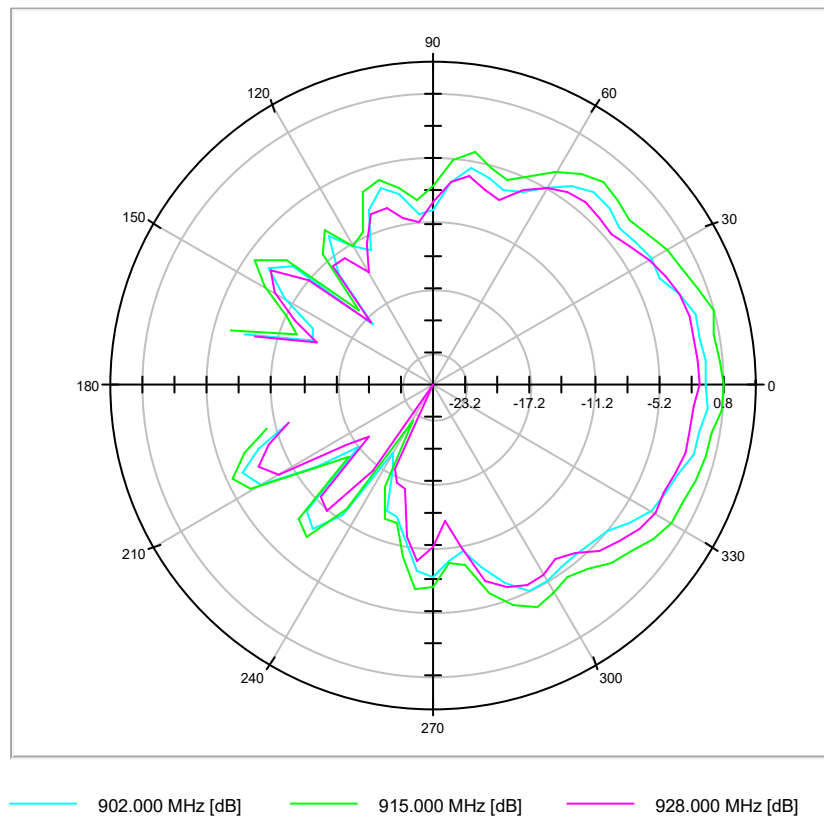


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Peak Gain vs Frequency



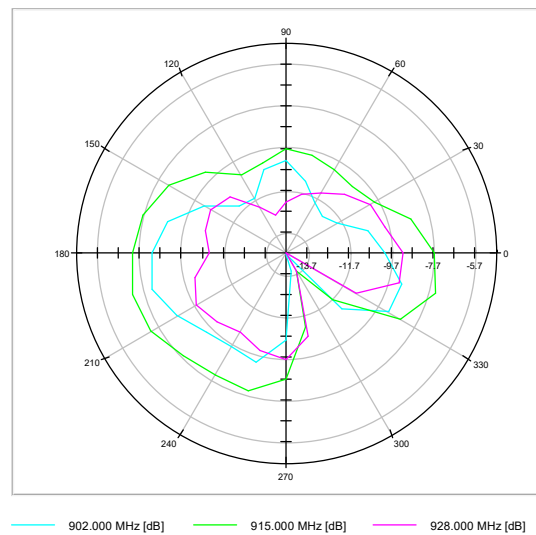
Plot XZ





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Plot XY



Plot YZ

