

LPSUWBANT02 Data Sheet

Ver. 1.0

Project:	LPSUWBANT02	Requested by:	AME	
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Revision				
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1. Overview

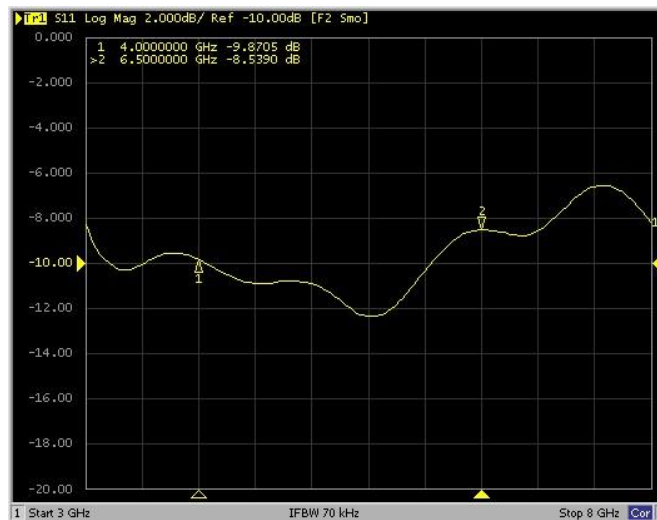
The LPSUWBANT02 is the antenna designed for the LPSUWB sensors family. This antenna has been designed to operate in band 2 and 5 for UWB devices.



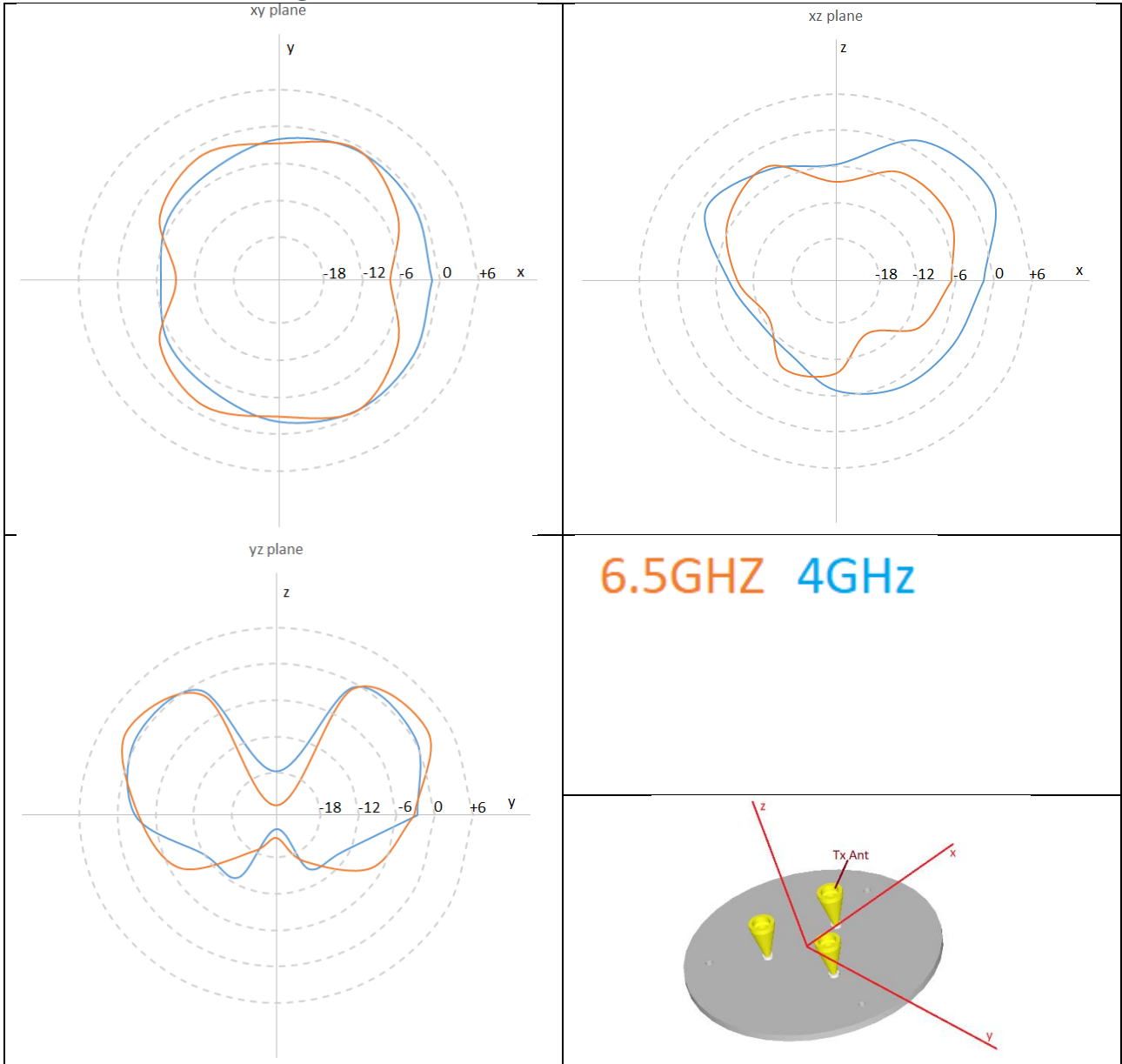
2. Main Facts

Parameter	Unit	Value
Nominal impedance	ohm	50
4GHz channel Max Gain	dB	3.5
6.5 GHz channel Max Gain	dB	2.6
Dish diameter	mm	100
4GHz channel Min bandwidth	MHz	500
6.5 GHz channel Min bandwidth	MHz	500
4GHz channel max return loss	dB	-9
6.5 GHz channel max return loss	dB	-8
Connection	ND	3 X pre-formed semirigid cable SMA Female (AME code TRPHCAB0201)

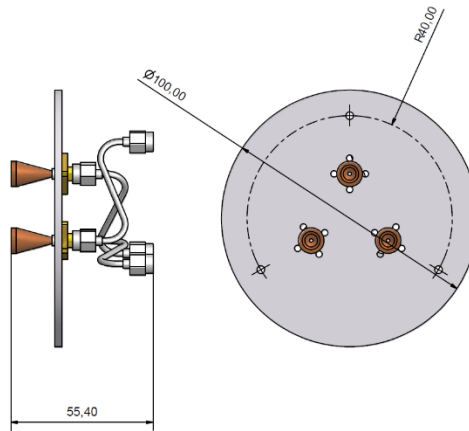
3. Return loss



4. Radiation diagram



5. Dimensions



6. Production and quality assurance

A.M.E. is a ISO9001:2015 certified company. Each product is internally checked and tested