

MEASUREMENT/TECHNICAL REPORT



Intermec Technologies Corporation Intellitag ITRM24501 Radio Module 2450 MHz Spread Spectrum Transmitter

REPORT NO: 011214-1

DATE: December 14, 2001

APPENDIX B

THE FOLLOWING PAGES INCLUDE;
Radiated and Conducted Test set-up photographs

Page 2
2 antenna system, unit horizontal and vertical

Page 3
Configuration 1
4 antenna system, unit horizontal and vertical

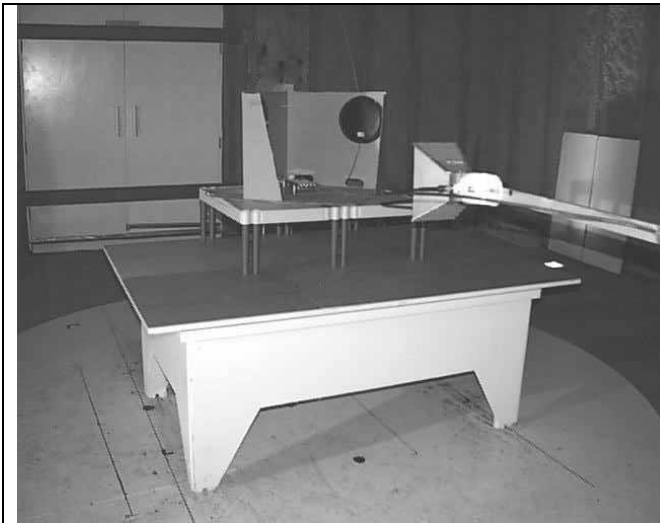
Page 4
Configuration 2
4 antenna system, unit horizontal

Configuration 3
4 antenna system, unit horizontal

Page 5
Emissions above 18 GHz, unit horizontal and vertical

Page 6
AC line conducted emissions

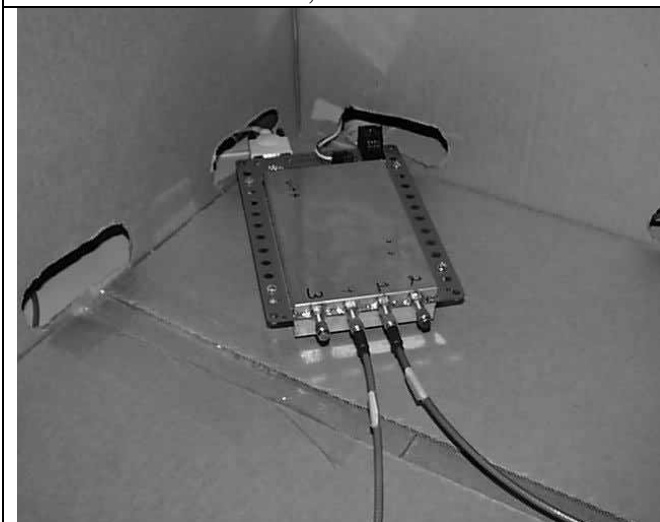
2 ANTENNA SYSTEM



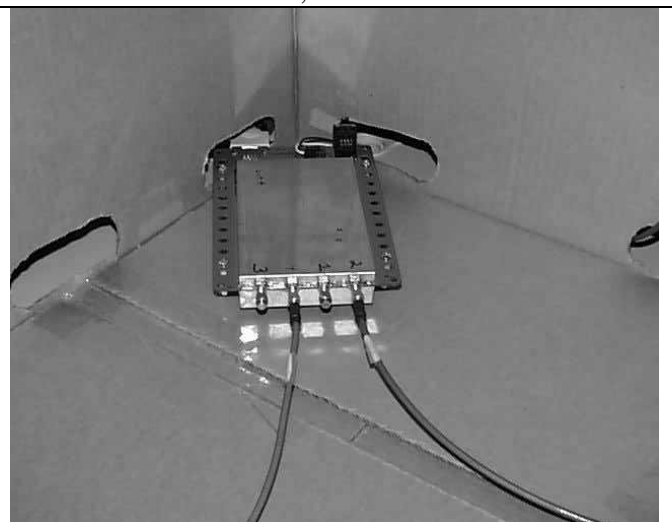
front view, unit horizontal



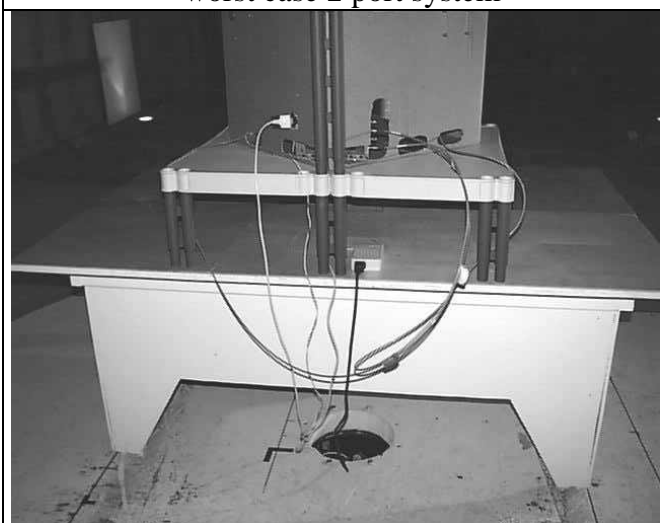
back view, unit horizontal



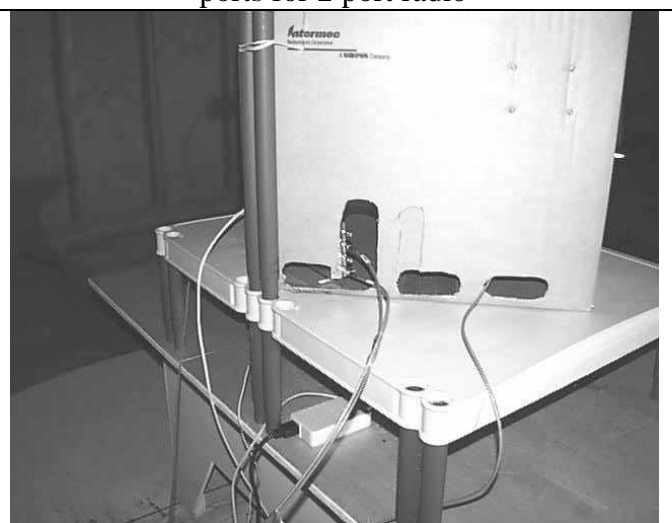
worst case 2 port system



ports for 2 port radio



back view, unit vertical

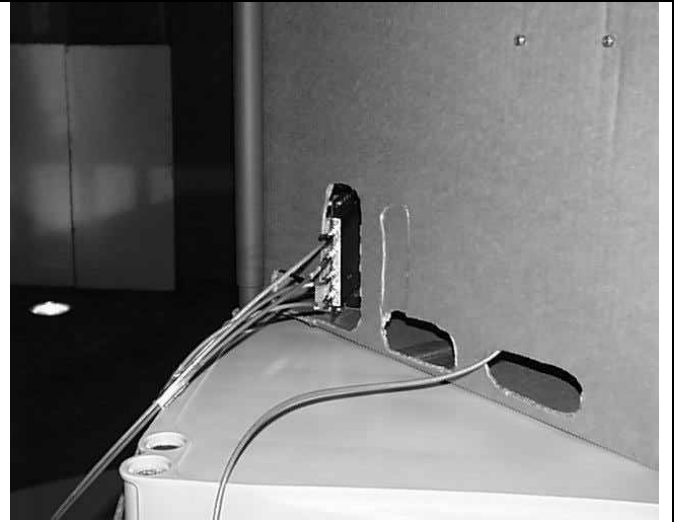


cable placement, unit vertical

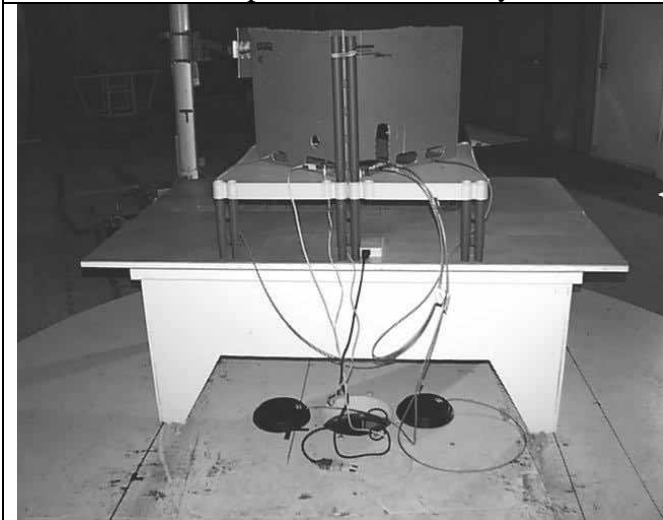
4 ANTENNA SYSTEM, CONFIGURATION 1



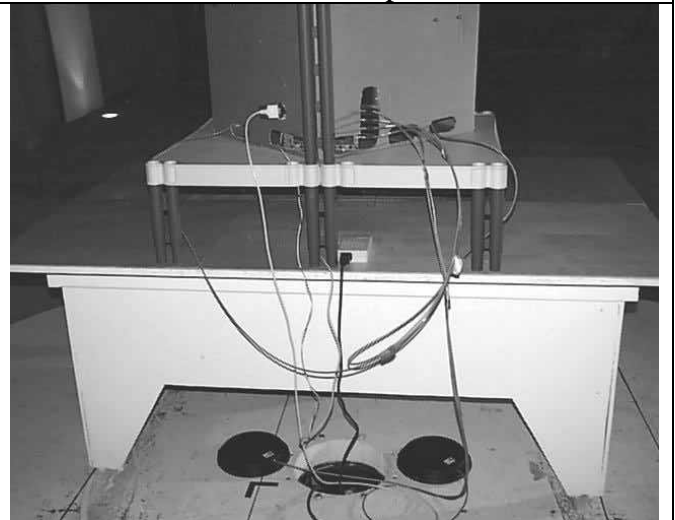
maximum position 4 antenna system



unit vertical cable placement



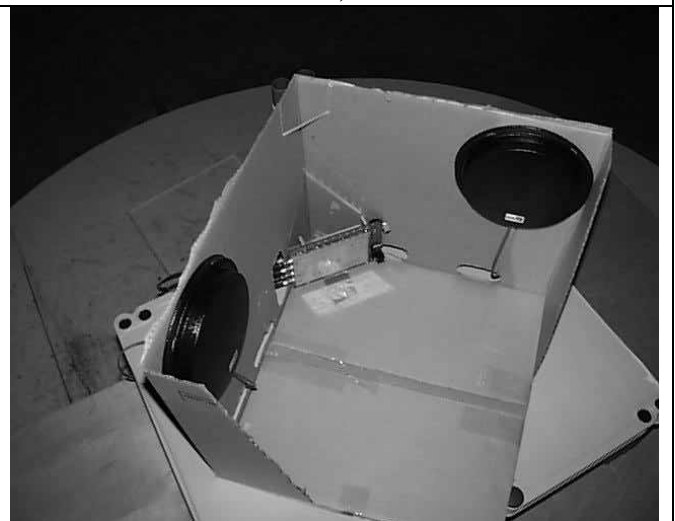
unit horizontal, back view



unit vertical, back view

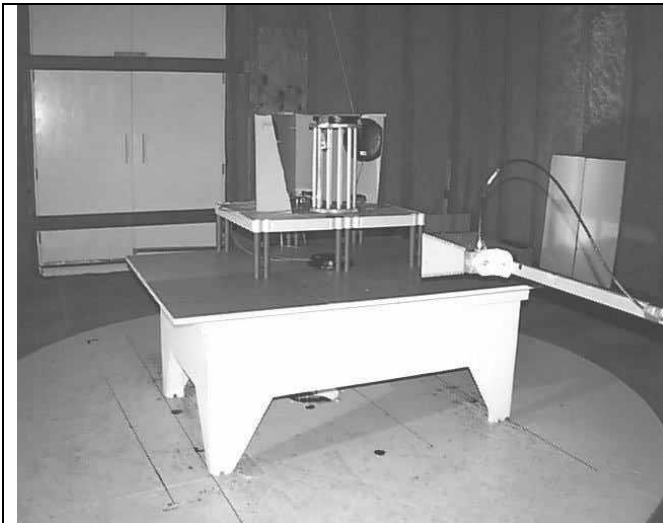


horizontal unit cable placement

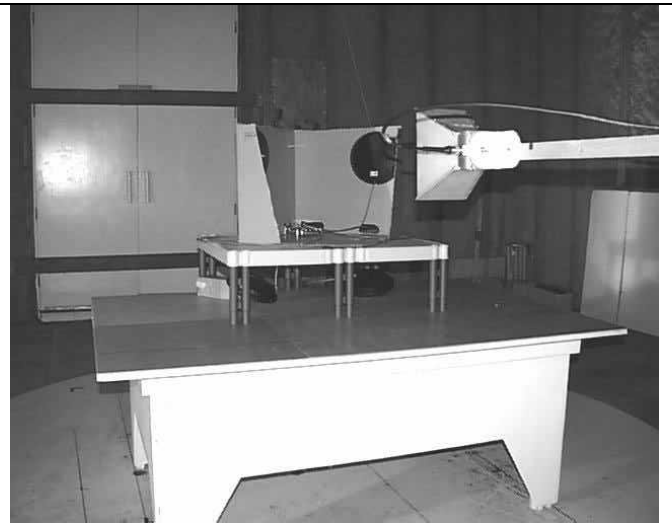


unit vertical, top view

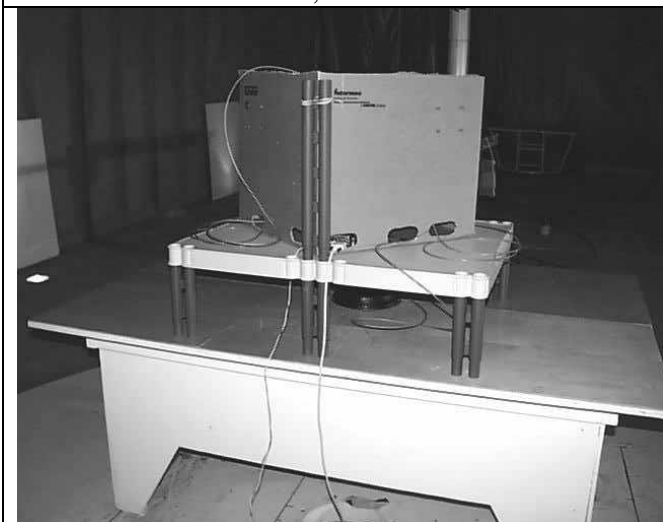
4 ANTENNA SYSTEM CONFIGURATIONS 2 AND 3



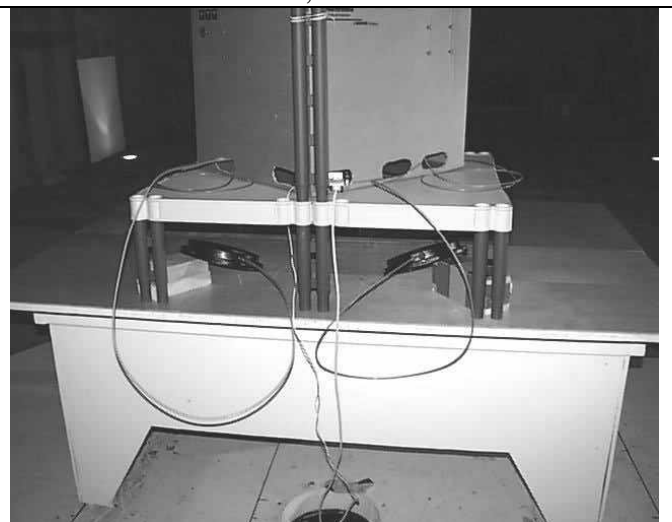
conf. 2, front view



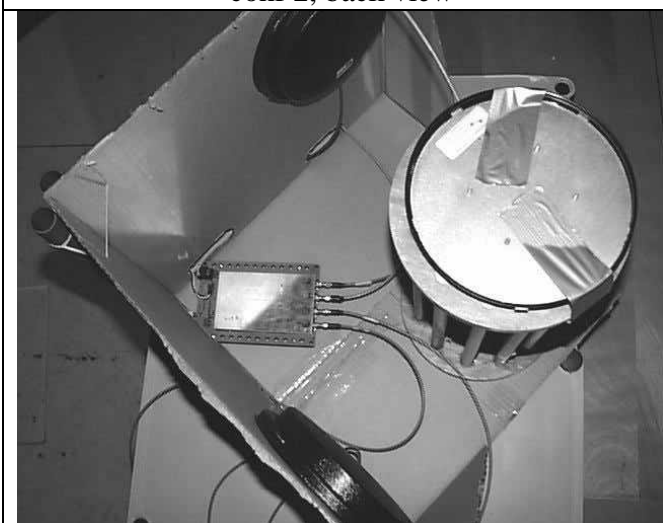
conf. 3, front view



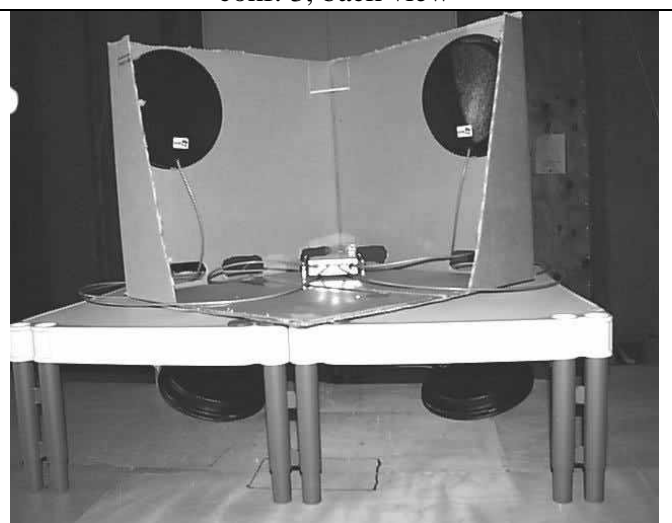
conf 2, back view



conf. 3, back view



conf. 2, top view

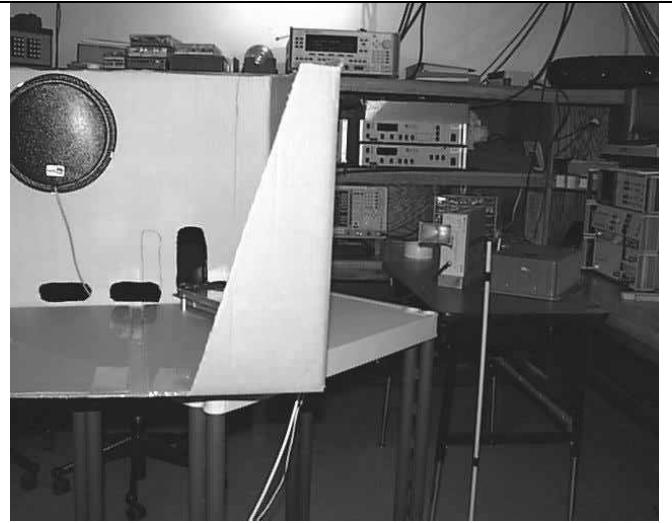


conf. 3, front view close up

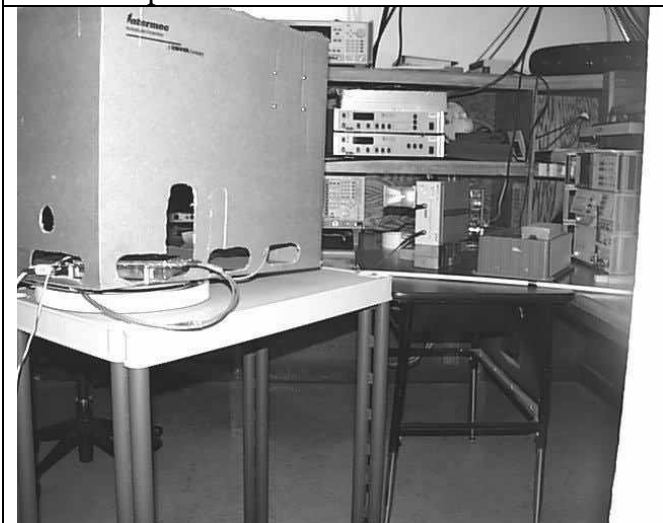
EMISSIONS ABOVE 18 GHZ, UNIT HORIZONTAL AND VERTICAL



set up to check antenna emissions



set up for horizontal module emissions



module horizontal and cable placement



module vertical and cable placement



view of vertical module emissions set up



view of laptop and power supply placement

AC LINE CONDUCTED EMISSIONS

