

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

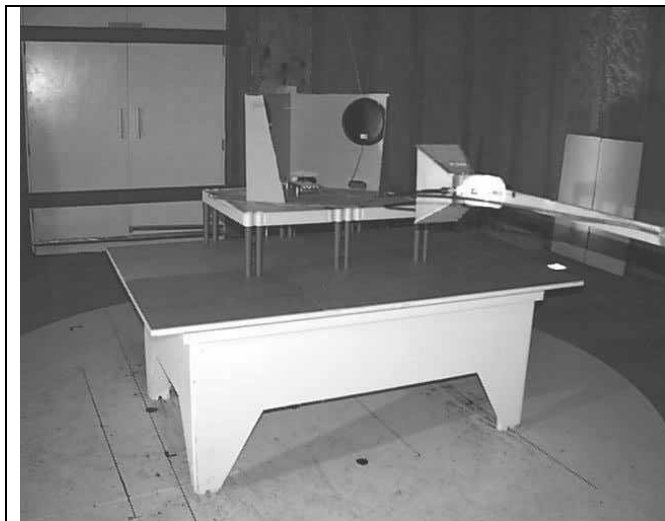
Page 5

Emissions above 18 GHz, unit horizontal and vertical

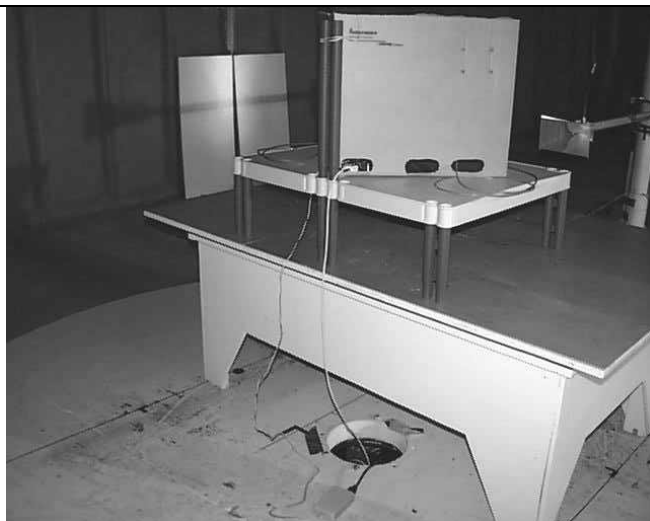
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AC line conducted emissions

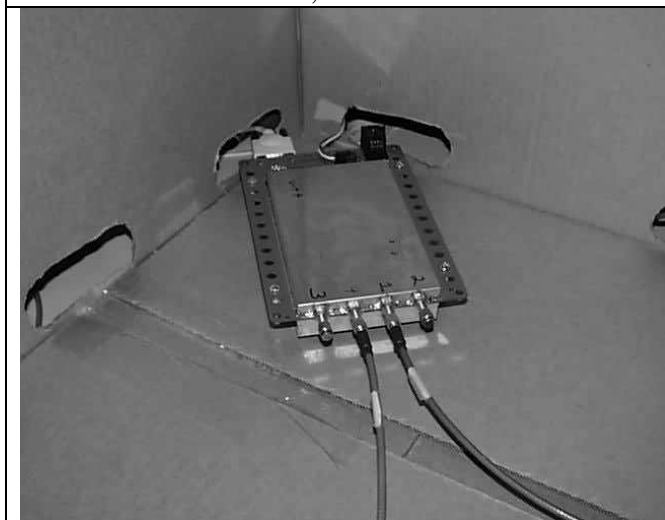
2 ANTENNA SYSTEM



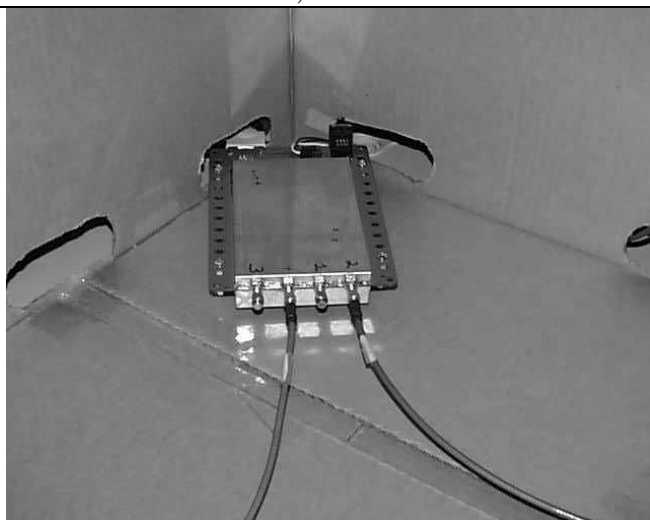
front view, unit horizontal



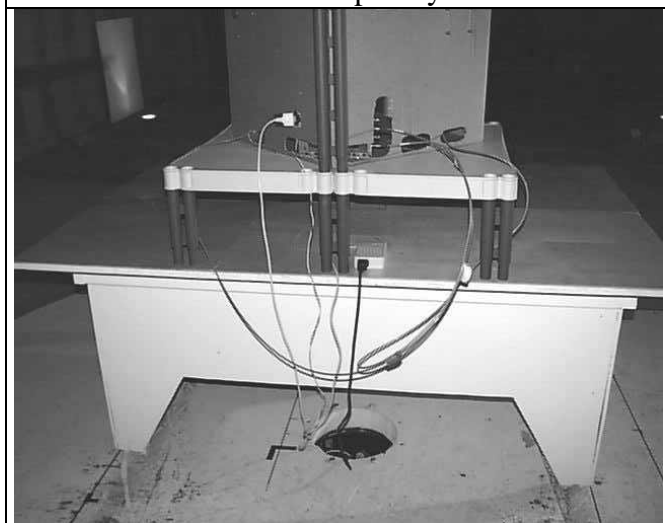
back view, unit horizontal



worst case 2 port system



ports for 2 port radio



back view, unit vertical



cable placement, unit vertical

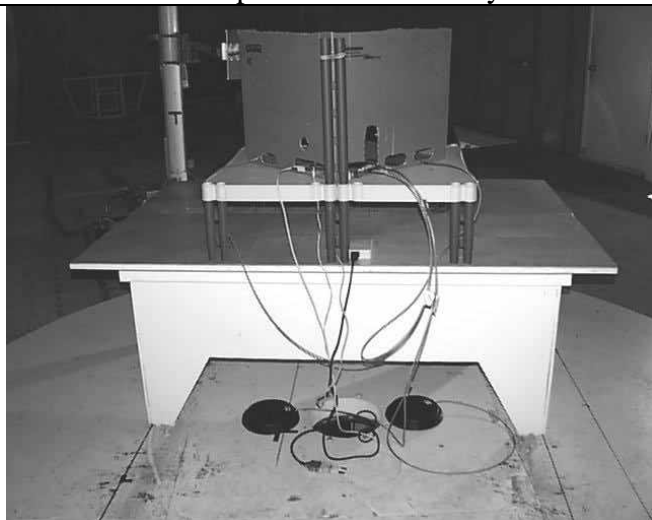
4 ANTENNA SYSTEM, CONFIGURATION 1



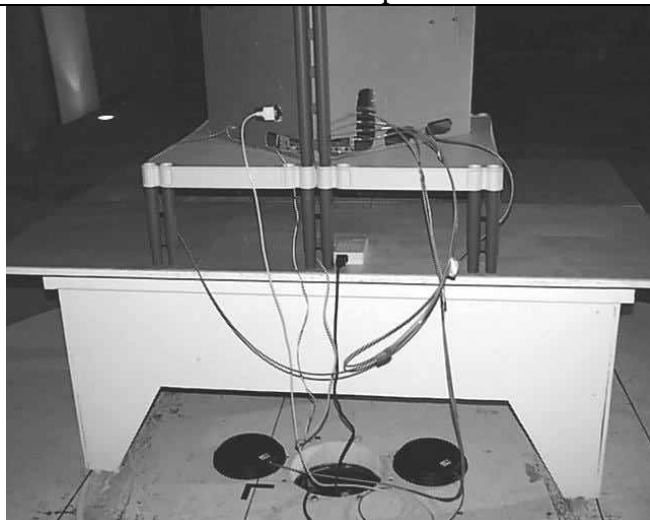
maximum position 4 antenna system



unit vertical cable placement



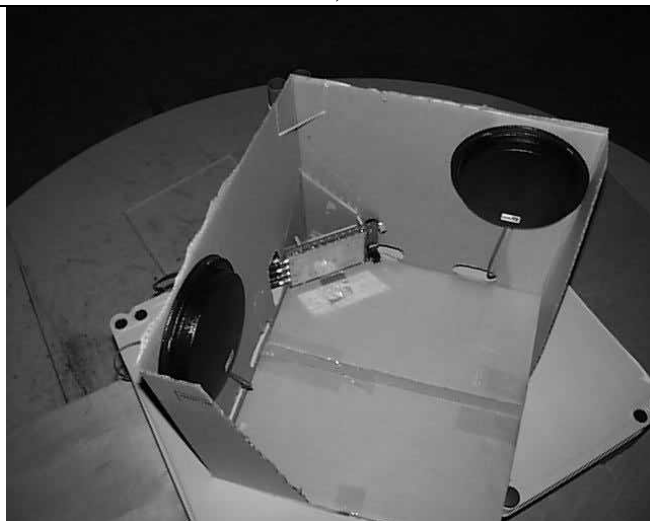
unit horizontal, back view



unit vertical, back view

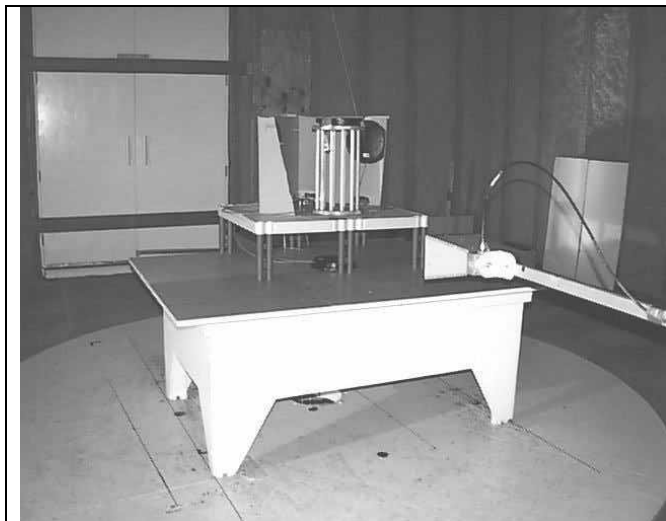


horizontal unit cable placement

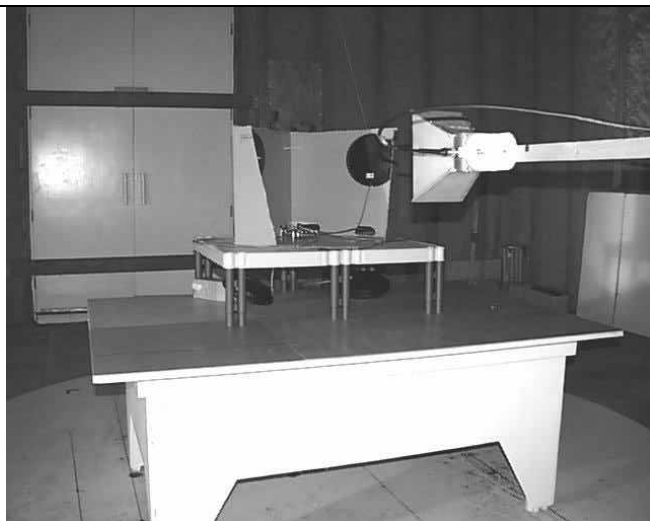


unit vertical, top view

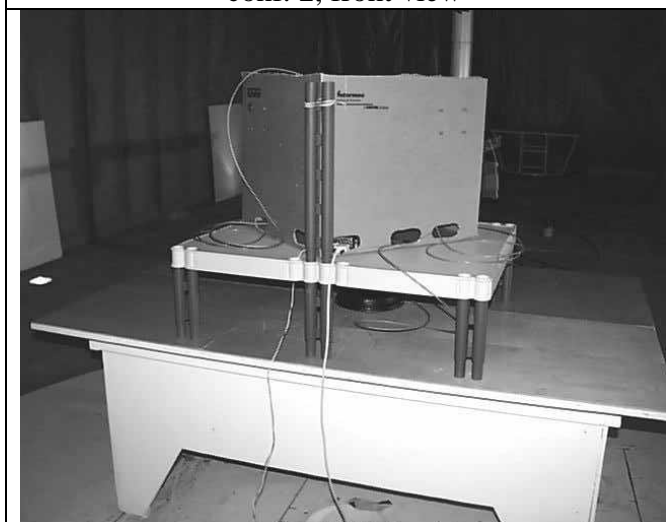
4 ANTENNA SYSTEM CONFIGURATIONS 2 AND 3



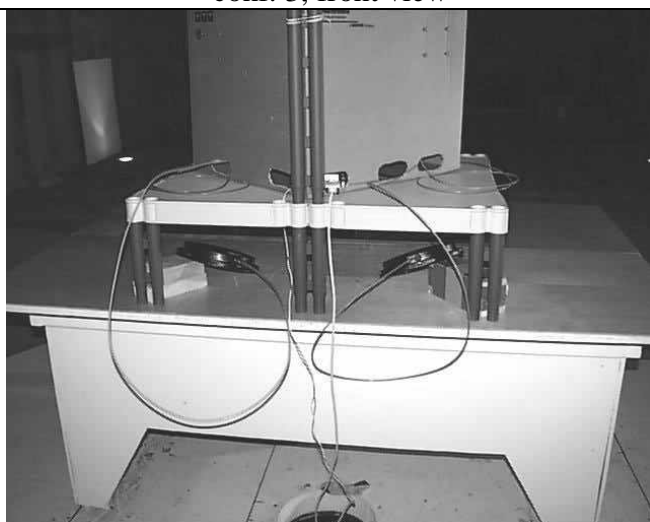
conf. 2, front view



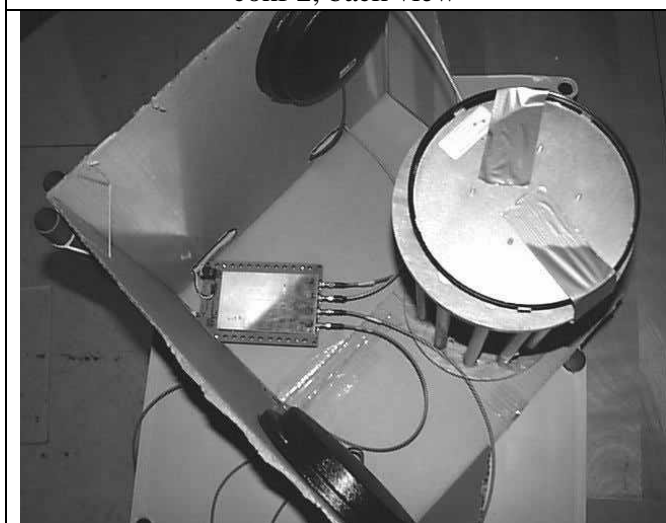
conf. 3, front view



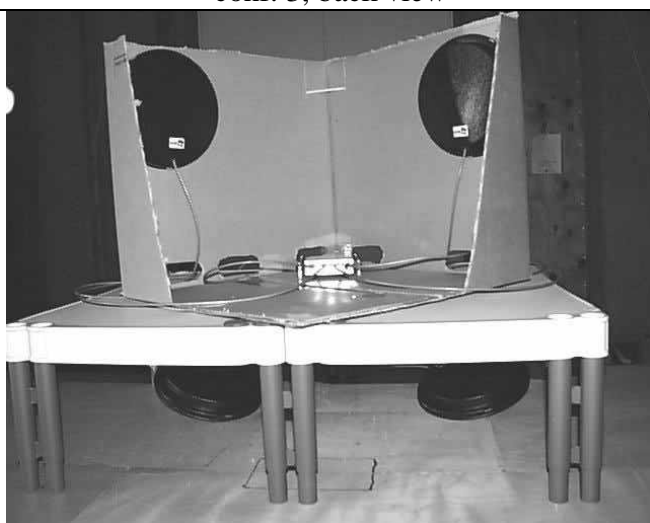
conf 2, back view



conf. 3, back view



conf. 2, top view



conf. 3, front view close up

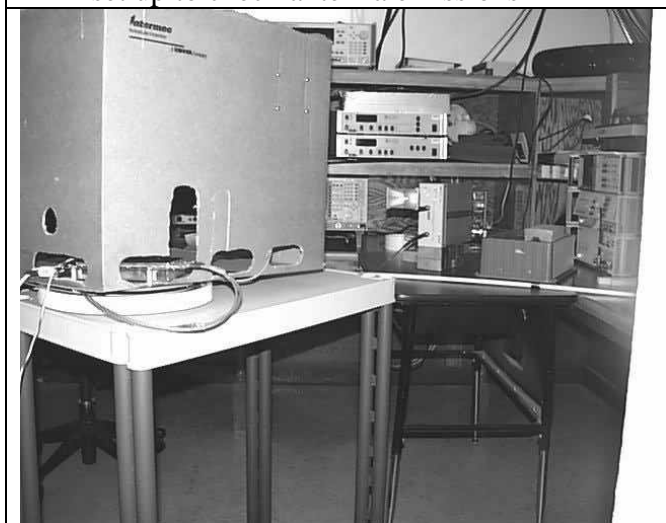
EMISSIONS ABOVE 18 GHZ, UNIT HORIZONTAL AND VERTICAL



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

