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CERTIFICATION TEST REPORT FOR A 916.55 MHz TRANSCEIVER

Applicant:	Trimble Navigation Ltd. 645 N. Mary Avenue Sunnyvale, CA 94086
Model:	"BoB"
FCC ID:	JUP-7486-CIRAA
Operating Frequency:	916.55 MHz Fixed
Rule Part:	15.249
Used For:	Short range GPS data distribution
Power Source:	Internal rechargeable batteries
Test Location:	Compliance Consulting Services 951F Monterey Road Morgan Hill, CA 95087

All tests were performed by me or under my supervision. The Trimble low power transceiver meets all emissions requirements in FCC Part 15.

THOMAS N. COKENIAS 14 April 2000

EXHIBITS

EXHIBIT A: Product Photographs

EXHIBIT B: Label Drawing

EXHIBIT C: User Manual

EXHIBIT D: Theory of Operation (Confidentiality Requested)

EXHIBIT E: Report of Measurements

EXHIBIT F: Schematics (Confidentiality Requested)

EXHIBIT G: Block Diagram (Confidentiality Requested)

EXHIBIT A: Product Photographs

- refer to separate jpg attachments

EXHIBIT B: Label Drawing

- refer to separate Word attachment

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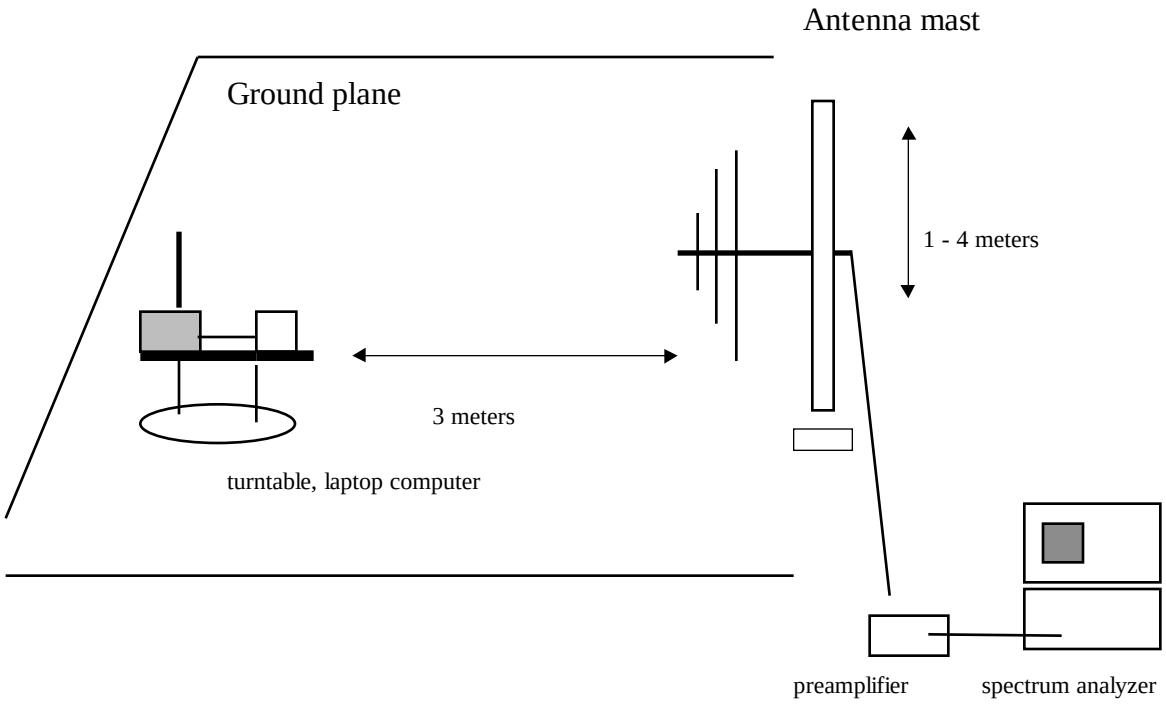
TEST PROCEDURES

Radiated Emissions
Test Requirement: 15.205, 15.249

Measurement Equipment Used:

HP 8593EM Spectrum Analyzer
HP 8447 Preamplifier, .1 - 1300 MHz
HP 8449 Preamplifier, 1-26.5 GHz
Chase Bilog Antenna, 30 - 2000 MHz
150' low loss coax (site A standard)
EMCO 3115 Double Ridged Horn antenna, 1 - 18 GHz
16 ft Flexco low loss cable (0.85 dB/ft at 26.5 GHz)

Test Set-up, 30 - 2000 MHz



Test Set-Up, 2000 - 9160 MHz

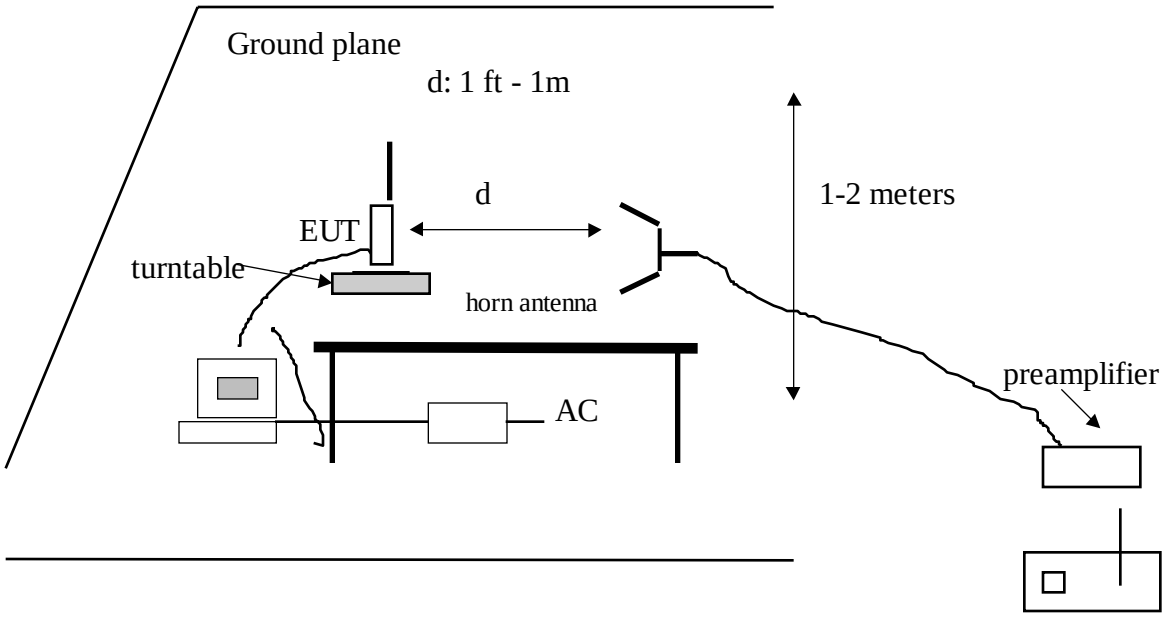


Fig. 1

1. The EUT was placed on a wooden table resting on a turntable on the open air test site. The search antenna was placed 3m from the EUT. The EUT antenna was mounted vertically as per normal installation.

2. The turntable was slowly rotated to locate the direction of maximum emission at each emission falling in the restricted bands of 15.205.

3. Once maximum direction was determined, the search antenna was raised and lowered in both vertical and horizontal polarizations. The maximum readings so obtained are recorded in the data listed below.

Test Results: Refer to separate .xls attachments *BoB Low F and BoB Hi F*.

All emissions outside 902-928 MHz band were below 15.209 emissions limits.

AC Line Conducted Emissions
Test Requirement: 15.207

NOT APPLICABLE - EUT is used on a utility belt and is only connected to AC adapter for charging of internal batteries.

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