

QUESTION 6: Theoretical Process Gain

The theoretical process gain is 10.4dB (minimum).

Data rate is 1Mbps.

Sequence length is 11 – 15 chips (software configurable).

The spread spectrum chip manufacturer is Intersil (formerly Harris).

Question 7: Internal photos' of both sides of all circuit boards without shielding.

QUESTION 8: Radiated E Field Emissions Measurements Restricted Band

RADIATED E FIELD EMISSION MEASUREMENTS RESTRICTED BAND 2483.5 – 2500 MHz

CUSTOMER: M/A-COM

EQUIPMENT: OPENSky ISM RADIO WITH

Pacific Wireless PMANT25-HD-PF1

TESTED BY: ROBERT FOSTER

OPERATING MODE: RECEIVE MODE

**BANDWIDTH: 100 kHz (PEAK)/120 kHz (QP) AND
1MHz PEAK**

FREQUENCY RANGE: 2483.5 – 2500 MHz

DATE: JUNE 5, 2001

TEST NUMBER: 1

**TEST SPEC: FCC PART 15 SUBPART B CLASS B
PROCEDURE: ANSI C63.4**

ANTENNA DISTANCE: 3 METERS

FREQUENCY MHz	PEAK MEASURED LEVEL -dBm	QUASI- PEAK MEASURED LEVEL dBuV	ANTENNA HEIGHT (METERS)	TURNTABLE AZIMUTH (DEGREES)	ANTENNA H/V	ANTENNA FAC/CABLE LOSS dB	FIELD LEVEL dBuV/m ★	LIMIT dBuV/m (QP)
No Signals Detected in restricted band.								

★All signals greater than 3dB from the limit are calculate to the nearest whole number.

★Field Level (dBuV/m) = [107 – Measured level (dBm)] + Antenna Factor/Cable Loss (dB)

Ambient Temperature: 68°F

Humidity: 25 %

Atmospheric Pressure: 29.8 "

NOTES: * =

RADIATED E FIELD EMISSION MEASUREMENTS RESTRICTED BAND 2483.5 – 2500 MHz

CUSTOMER: M/A-COM

EQUIPMENT: OPENSky ISM RADIO WITH

M/A-Com, M/N ANAD-159W-A-10-SM

TESTED BY: ROBERT FOSTER

OPERATING MODE: RECEIVE MODE

**BANDWIDTH: 100 kHz (PEAK)/120 kHz (QP) AND
1MHz PEAK**

FREQUENCY RANGE: 2483.5 – 2500 MHz

DATE: JUNE 5, 2001

TEST NUMBER: 1

**TEST SPEC: FCC PART 15 SUBPART B CLASS B
PROCEDURE: ANSI C63.4**

ANTENNA DISTANCE: 3 METERS

FREQUENCY MHz	PEAK MEASURED LEVEL -dBm	QUASI- PEAK MEASURED LEVEL dBuV	ANTENNA HEIGHT (METERS)	TURNTABLE AZIMUTH (DEGREES)	ANTENNA H/V	ANTENNA FAC/CABLE LOSS dB	FIELD LEVEL dBuV/m ★	LIMIT dBuV/m (QP)
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NOTES: * =

**RADIATED E FIELD EMISSION MEASUREMENTS RESTRICTED BAND
2483.5 – 2500 MHz**

CUSTOMER: M/A-COM

DATE: JUNE 5, 2001

EQUIPMENT: OPENSky ISM RADIO WITH

TEST NUMBER: 1

M/A-Com ANCC-156A-S-12-NM

TESTED BY: ROBERT FOSTER

OPERATING MODE: RECEIVE MODE

TEST SPEC: FCC PART 15 SUBPART B CLASS B

**BANDWIDTH: 100 KHz (PEAK)/120 KHz (QP) AND
1MHz PEAK**

PROCEDURE: ANSI C63.4

FREQUENCY RANGE: 2483.5 – 2500 MHz

ANTENNA DISTANCE: 3 METERS

FREQUENCY MHz	PEAK MEASURED LEVEL -dBm	QUASI- PEAK MEASURED LEVEL dBuV	ANTENNA HEIGHT (METERS)	TURNTABLE AZIMUTH (DEGREES)	ANTENNA H/V	ANTENNA FAC/CABLE LOSS dB	FIELD LEVEL dBuV/m ★	LIMIT dBuV/m (QP)
No Signals Detected in restricted band.								

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★Field Level (dBuV/m) = [107 – Measured level (dBm)] + Antenna Factor/Cable Loss (dB)

Ambient Temperature: 68°F

Humidity: 25 %

Atmospheric Pressure: 29.8 "

NOTES: * =

FORM CTS-DS-001R

**RADIATED E FIELD EMISSION MEASUREMENTS RESTRICTED BAND
2483.5 – 2500 MHz**

CUSTOMER: M/A-COM

DATE: JUNE 5, 2001

EQUIPMENT: OPENSky ISM RADIO WITH

TEST NUMBER: 1

MAXRAD MFB24006

TESTED BY: ROBERT FOSTER

OPERATING MODE: RECEIVE MODE

TEST SPEC: FCC PART 15 SUBPART B CLASS B

**BANDWIDTH: 100 KHz (PEAK)/120 KHz (QP) AND
1MHz PEAK**

PROCEDURE: ANSI C63.4

FREQUENCY RANGE: 2483.5 – 2500 MHz

ANTENNA DISTANCE: 3 METERS

FREQUENCY MHz	PEAK MEASURED LEVEL -dBm	QUASI- PEAK MEASURED LEVEL dBuV	ANTENNA HEIGHT (METERS)	TURNTABLE AZIMUTH (DEGREES)	ANTENNA H/V	ANTENNA FAC/CABLE LOSS dB	FIELD LEVEL dBuV/m ★	LIMIT dBuV/m (QP)
No Signals Detected in restricted band.								

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★Field Level (dBuV/m) = [107 – Measured level (dBm)] + Antenna Factor/Cable Loss (dB)

Ambient Temperature: 68°F

Humidity: 25 %

Atmospheric Pressure: 29.8 "

NOTES: * =

FORM CTS-DS-001R
RADIATED E FIELD EMISSION MEASUREMENTS RESTRICTED BAND
2483.5 – 2500 MHz

CUSTOMER: M/A-COM
EQUIPMENT: OPENSky ISM RADIO WITH
MAXRAD MFB24008
TESTED BY: ROBERT FOSTER
OPERATING MODE: RECEIVE MODE
BANDWIDTH: 100 kHz (PEAK)/120 kHz (QP) AND
1MHz PEAK
FREQUENCY RANGE: 2483.5 – 2500 MHz

DATE: JUNE 5, 2001
TEST NUMBER: 1

TEST SPEC: FCC PART 15 SUBPART B CLASS B
PROCEDURE: ANSI C63.4

ANTENNA DISTANCE: 3 METERS

FREQUENCY MHz	PEAK MEASURED LEVEL -dBm	QUASI- PEAK MEASURED LEVEL dBuV	ANTENNA HEIGHT (METERS)	TURNTABLE AZIMUTH (DEGREES)	ANTENNA H/V	ANTENNA FAC/CABLE LOSS dB	FIELD LEVEL dBuV/m ★	LIMIT dBuV/m (QP)
No Signals Detected in restricted band.								

★All signals greater than 3dB from the limit are calculate to the nearest whole number.

★Field Level (dBuV/m) = [107 – Measured level (dBm)] + Antenna Factor/Cable Loss (dB)

Ambient Temperature: 68°F

Humidity: 25 %

Atmospheric Pressure: 29.8 "

NOTES: * =

RADIATED E FIELD EMISSION MEASUREMENTS RESTRICTED BAND
2483.5 – 2500 MHz

CUSTOMER: M/A-COM
EQUIPMENT: OPENSky ISM RADIO WITH
MAXRAD MFB24010
TESTED BY: ROBERT FOSTER
OPERATING MODE: RECEIVE MODE
BANDWIDTH: 100 kHz (PEAK)/120 kHz (QP) AND
1MHz PEAK
FREQUENCY RANGE: 2483.5 – 2500 MHz

DATE: JUNE 5, 2001
TEST NUMBER: 1

TEST SPEC: FCC PART 15 SUBPART B CLASS B
PROCEDURE: ANSI C63.4

ANTENNA DISTANCE: 3 METERS

FREQUENCY MHz	PEAK MEASURED LEVEL -dBm	QUASI- PEAK MEASURED LEVEL dBuV	ANTENNA HEIGHT (METERS)	TURNTABLE AZIMUTH (DEGREES)	ANTENNA H/V	ANTENNA FAC/CABLE LOSS dB	FIELD LEVEL dBuV/m ★	LIMIT dBuV/m (QP)
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Ambient Temperature: 68°F

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Atmospheric Pressure: 29.8 "

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FORM CTS-DS-001R

3.1.6 Photographic Documentation

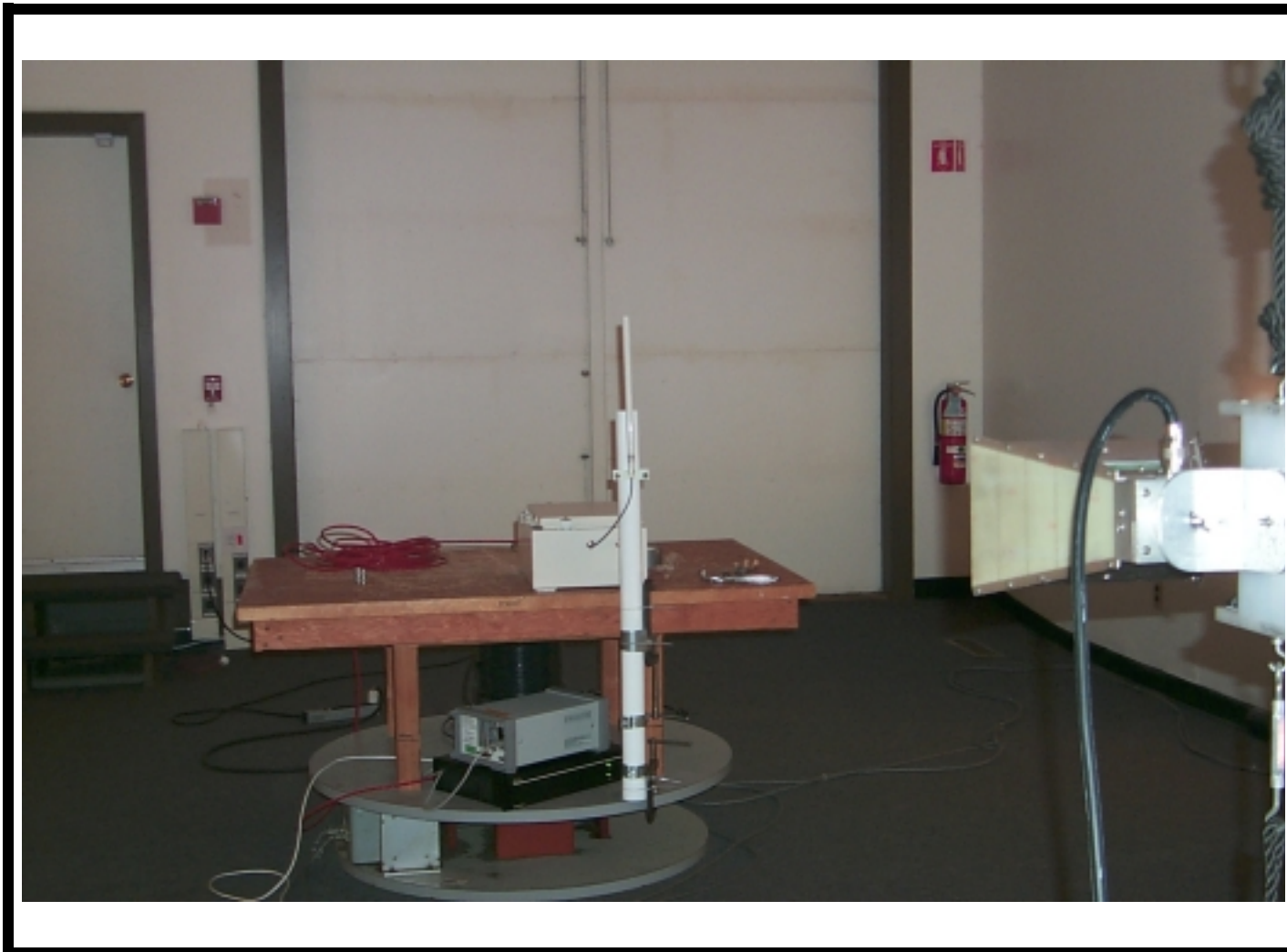
CUSTOMER: M/A-COM

EQUIPMENT: OPENSky ISM RADIO

TESTED BY: ROBERT FOSTER

DATE: 06/05/01

TEST NUMBER: 1



Photograph Description: Radiated set-up

FORM CTS-PHOTO

QUESTION 9: Information on Repeater

Signals from valid sources are encoded. Only properly encoded incoming signals are re-transmitted.

FCC Identifiers for the transmitters that the device is used with when in the repeater mode are: BV8MCS800A025 and BV8MTT800A025.,