

3.3 FCC Part 15 Subpart C Output Power

3.3.1 Equipment Used

Test Equipment	Asset #	Serial #	Cal Date
Hewlett Packard 8566B Spectrum Analyzer	47	2637A04064	7/01
Hewlett Packard 8566 Display Analyzer Main	46	2648A14289	7/01
Hewlett Packard 85685A RF Preselector	48	2648A00483	7/01

3.3.2 Test Conditions

Output Power tests were performed on the M/A-Com OpenSky ISM Radio, on the OpenSky ISM Radio.

Output Power measurements testing was performed with the OpenSky ISM Radio placed in the open area test site with the output connected to the spectrum analyzer.

The OpenSky ISM Radio was configured to operate in the continuous full power mode of operation. The OpenSky ISM Radio was set up and powered by 48VDC.

The test was performed at the low, mid, and high frequencies.

3.3.3 Test Method

The test method of “Guidance on Measurements for Direct Sequence Spread Spectrum Systems” Appendix C of Docket No. 96-8 FCC 97-114 was followed.

The Output Power of the OpenSky ISM Radio was measured with the output of the transceiver directly connected to the in put of the Spectrum Analyzer.

3.3.4 Results

The M/A-Com OpenSky ISM Radio meets the Output Power requirements of FCC Part 15 Subpart C 15.247.

3.3.5 Test Data

OUTPUT POWER MEASUREMENTS

CUSTOMER: M/A-Com

DATE: JUNE 7, 2001

EQUIPMENT: OPENSky ISM RADIO

TEST NUMBER: 3

TESTED BY: ROBERT FOSTER

TEST SPEC: FCC PART 15 SUBPART C

OPERATING MODE: CONTINUOUS TRANSMIT

TEST PROCEDURE: FCC 97-114

FREQUENCY GHz	PEAK MEASURED LEVEL dBm	CABLE LOSS dB	FIELD LEVEL dBm	LIMIT dBm	LIMIT W
2.41	4.6	0.3	4.9	30	1
2.42	4.4	0.3	4.7	30	1
2.43	-0.8	0.3	-0.5	30	1

NOTES: *
FORM CTS-DS-001R

Test Data

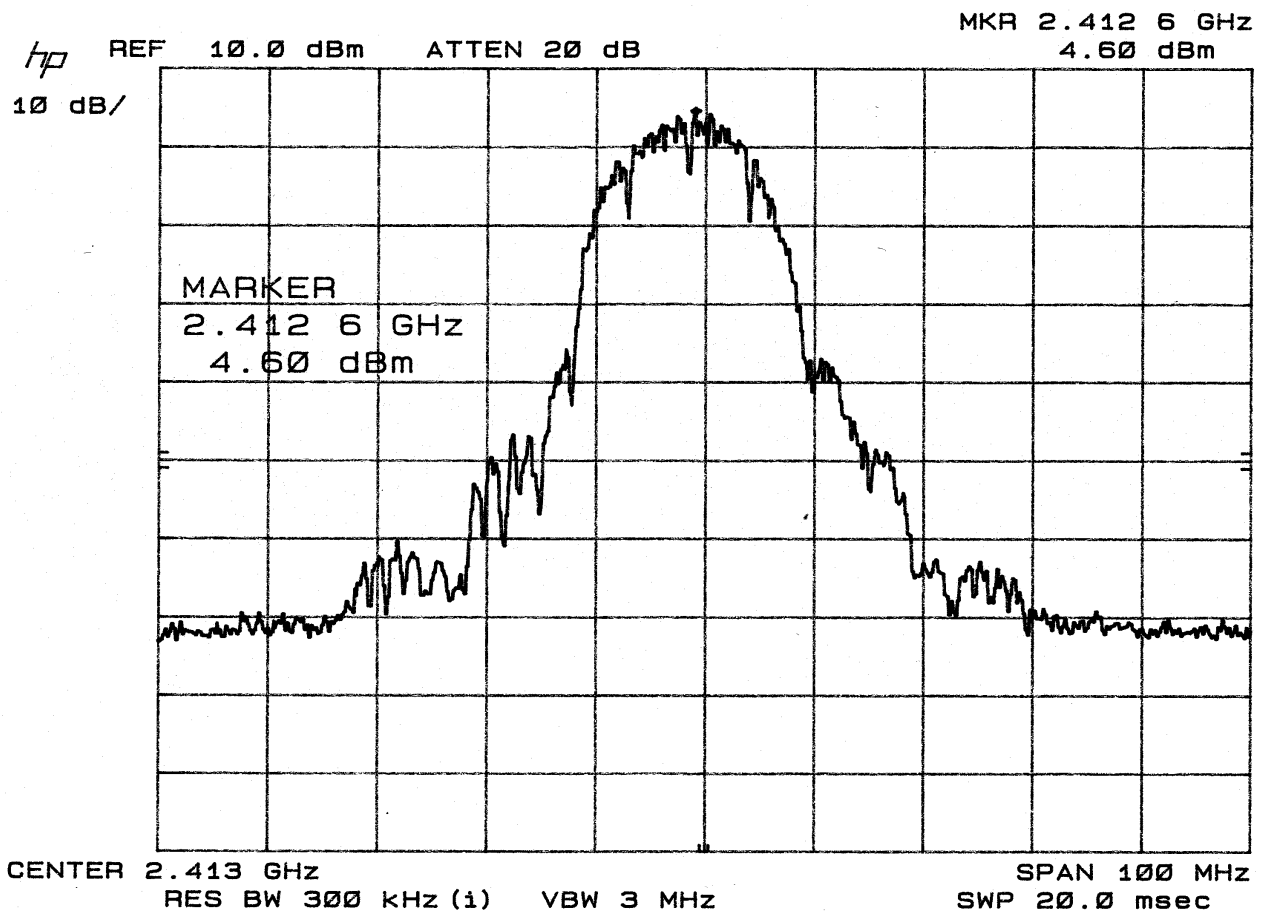
OUTPUT POWER

CUSTOMER: M/A-COM
EQUIPMENT: OPENSky ISM RADIO
TESTED BY: ROBERT FOSTER
OPERATING MODE: CONTINUOUS TRANSMISSION

DATE: JUNE 7, 2001
TEST NUMBER: 3
PROCEDURE: 97-114
Low Frequency

output power
low band

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Test Data

OUTPUT POWER

CUSTOMER: M/A-COM

EQUIPMENT: OPENSky ISM RADIO

TESTED BY: ROBERT FOSTER

OPERATING MODE: CONTINUOUS TRANSMISSION

DATE: JUNE 7, 2001

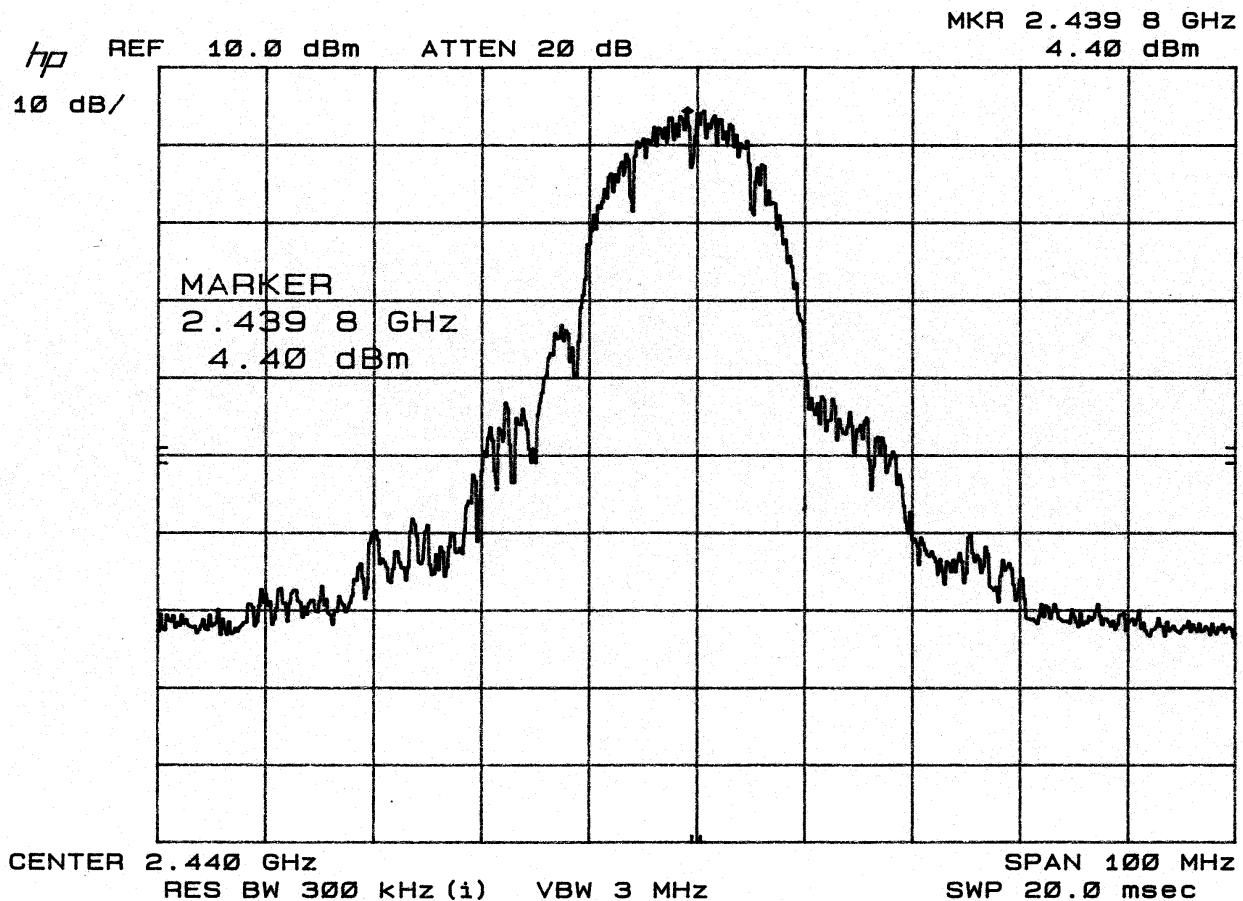
TEST NUMBER: 3

PROCEDURE: 97-114

Mid Frequency

Output Power
Mid f.

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Test Data

OUTPUT POWER

CUSTOMER: M/A-COM
EQUIPMENT: OPENSky ISM RADIO
TESTED BY: ROBERT FOSTER
OPERATING MODE: CONTINUOUS TRANSMISSION

DATE: JUNE 7, 2001
TEST NUMBER: 3
PROCEDURE: 97-114
Low Frequency

*output Power
High Band*

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