

2.0 TESTS PERFORMED

2.1 Output Power

2.1.1 Equipment Used

Test Equipment		Asset #	Serial #	Cal Date
X	Hewlett Packard Power Sensor	628	2552A49410	04/03
X	Hewlett Packard Power Meter M/N 437B	N/A	2949A02617	04/03
X	Narda 769-20 High Band Attenuator	284	03793	C.P.U.
X	Narda 769-20 High Band Attenuator	471	02951	C.P.U.

2.1.2 Test Conditions

The output power was measured with the OpenSky P800 Portable Radio placed on top of a wooded turntable located in Test Site A. The ambient temperature of the room was 20°C.

The OpenSky P800 Portable Radio has three modes of operation OTP, OCF and OCF talk around. The OTP mode of operation is a gaussian frequency shift keying TDMA modulation, which transmits from 806.0125MHz to 823.9875MHz. The OCF mode of operation is digital FM modulation, which transmits from 806.0125MHz to 823.9875MHz. The OCF Talk Around mode of operation is digital FM modulation that transmits from 851.0125MHz to 868.9875MHz.

The OpenSky P800 Portable Radio was configured to operate in all three modes of operation transmitting at the low, mid and high frequency of each band. The OpenSky P800 Portable Radio was set up and powered by a fully charged battery for the test.

The modes of operation and frequencies tested are as follows:

OCF Mode	OTP Mode	OCF Talk Around
Ch# 1 806.0125MHz	Ch# 1 806.0125MHz	Ch# 1 851.0125MHz
Ch# 415 816.3625MHz	Ch# 415 816.3625MHz	Ch# 415 861.3625MHz
Ch# 830 823.9875MHz	Ch# 830 823.9875MHz	Ch# 830 868.9875MHz

2.1.3 Test Method

The output power of the OpenSky P800 Portable Radio was measured at the high, middle, and low frequency channels. The output of the transmitter was connected to two attenuators. The attenuators were connected to a RF Power Meter.

Channel numbers 830, 415, and 1 were tested for the occupied bandwidth.

2.1.4 Results

The M/A-Com OpenSky P800 Portable Radio met the Output Power requirements of FCC Part 90. See the attached data sheet for the output power.

2.1.5 Test Data

OUTPUT POWER MEASUREMENTS

CUSTOMER: M/A-COM

DATE: 04/30/02 AND 05/14/02

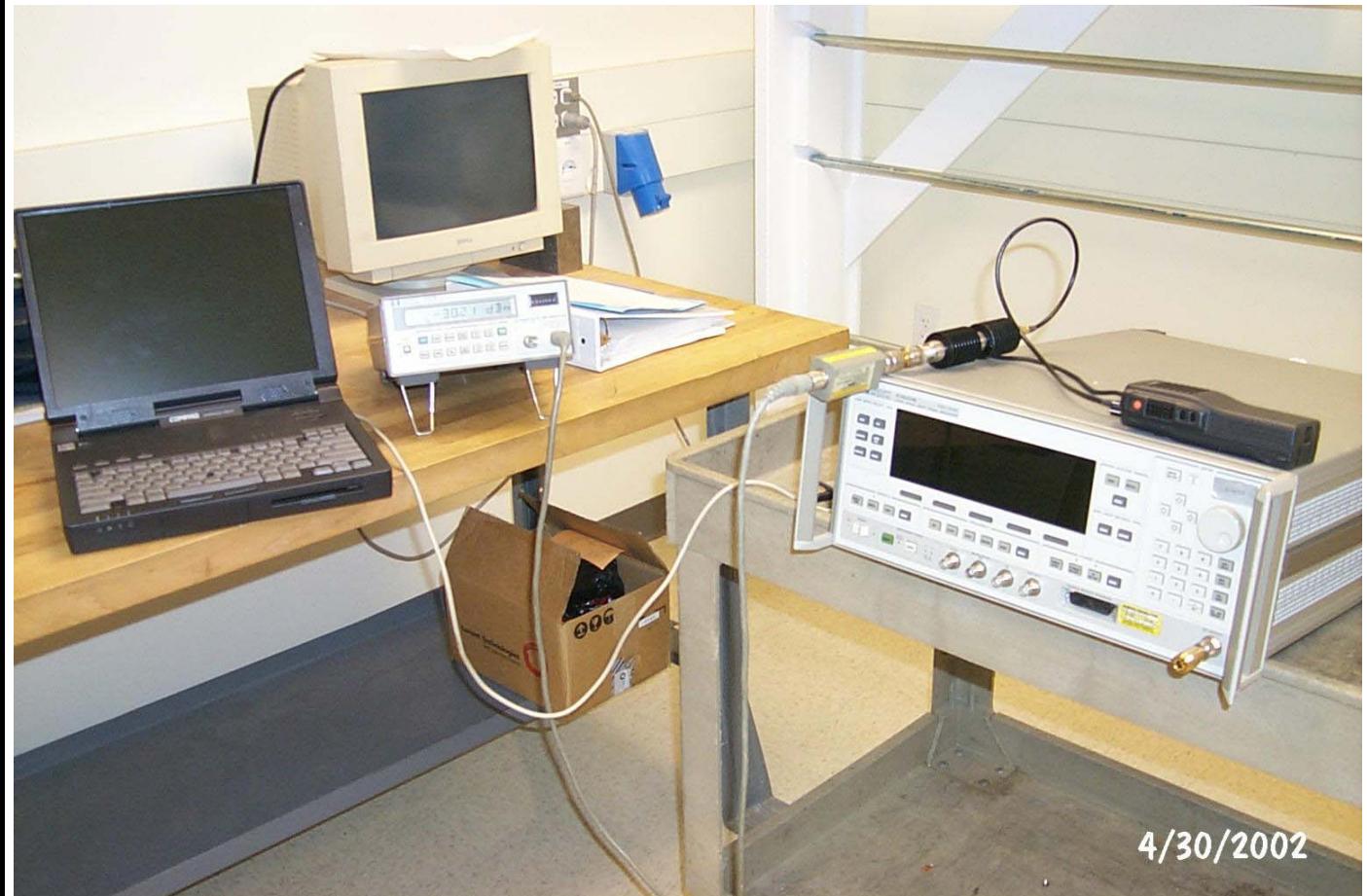
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 3

TESTED BY: MANUEL MARTINEZ

FREQUENCY MHz	MODE OF OPERATION	PEAK MEASURED LEVEL dBm	PEAK MEASURED LEVEL W	LIMIT W
806.0125	OCF	34.62	2.89	3.0
816.3625	OCF	34.60	2.88	3.0
823.9875	OCF	34.65	2.91	3.0
806.0125	OTP	34.76	2.99	3.0
816.3625	OTP	34.65	2.91	3.0
823.9875	OTP	34.69	2.94	3.0
851.0125	OCF Talk Around	34.70	2.95	3.0
861.3625	OCF Talk Around	34.67	2.93	3.0
868.9875	OCF Talk Around	34.73	2.97	3.0

NOTES:

2.1.6 Photographic Documentation**CUSTOMER: M/A-COM****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****DATE: 04/30/02 AND 05/14/02****TEST NUMBER: 3****Photograph Description: Radiated set-up****FORM CTS-PHOTO**

2.2 Occupied Bandwidth

2.2.1 Equipment Used

Test Equipment		Asset #	Serial #	Cal Date
X	H/P E4401 Spectrum Analyzer	N/A	4895C76451	04/03
X	Narda 769-20 High Band Attenuator	284	03793	C.P.U.
X	Narda 769-20 High Band Attenuator	471	02951	C.P.U.

2.2.2 Test Conditions

The occupied bandwidth measurement was made with the OpenSky P800 Portable Radio placed on a turntable located in Test Site A. The output of the P-8001T was connected to a spectrum analyzer via a N-Type coax cable. The ambient temperature of the room was 20°C.

The OpenSky P800 Portable Radio was configured to operate in all three modes of operation transmitting at the low, mid and high frequency of each band. The OpenSky P800 Portable Radio was set up and powered by a fully charged battery for the test.

The modes of operation and frequencies tested are as follows:

OCF Mode	OTP Mode	OCF Talk Around
Ch# 1 806.0125MHz	Ch# 1 806.0125MHz	Ch# 1 851.0125MHz
Ch# 415 816.3625MHz	Ch# 415 816.3625MHz	Ch# 415 861.3625MHz
Ch# 830 823.9875MHz	Ch# 830 823.9875MHz	Ch# 830 868.9875MHz

2.2.3 Test Method

The output of the OpenSky P800 Portable Radio was measured at the high, middle, and low frequency channels. The output of the transmitter was connected to two attenuators. The attenuators were connected to a RF Power Meter. See Figure 4 for test set-up.

2.2.4 Results

The M/A-Com OpenSky P800 Portable Radio met the Occupied Bandwidth of requirements of FCC Part 90. See the attached data sheet for the results.

Test Setup

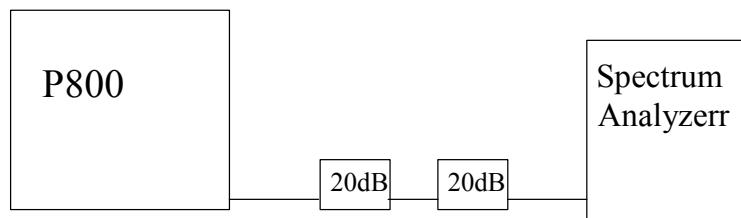


Figure 4

2.2.5 Test Data

OCCUPIED BANDWIDTH

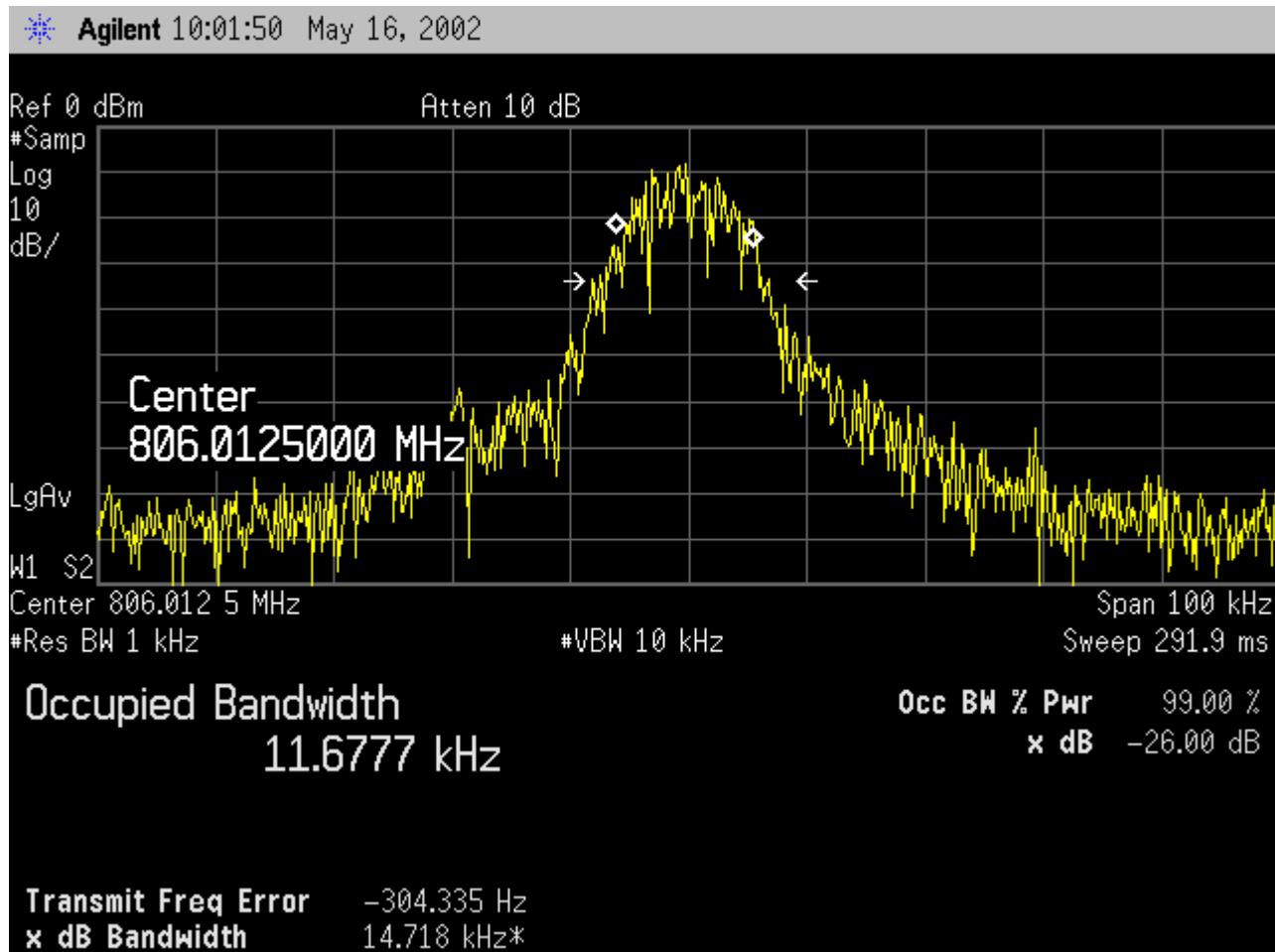
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 2

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OTP

OCCUPIED BANDWIDTH

CUSTOMER: M/A-COM

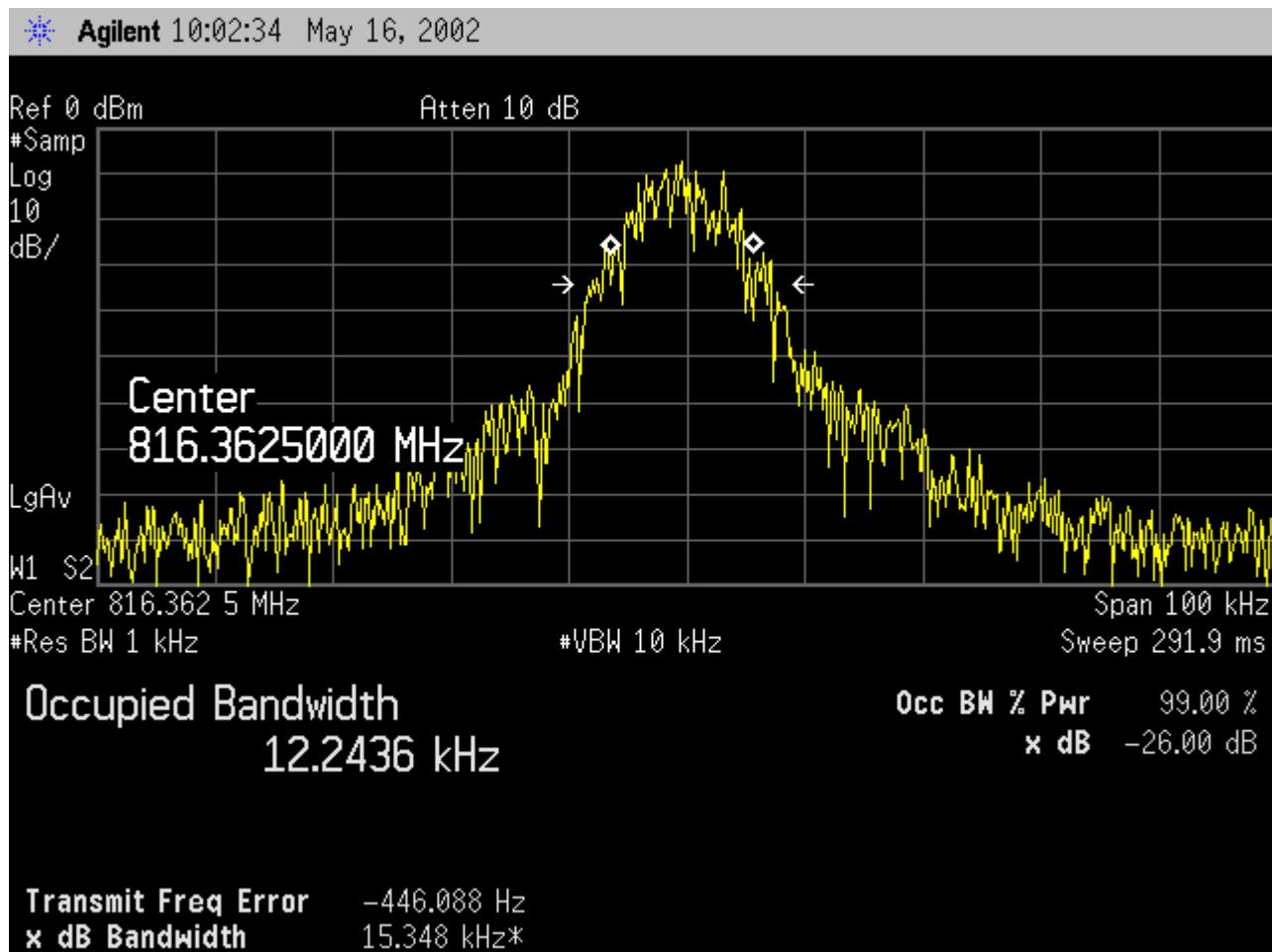
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 2

OPERATING MODE: NORMAL FULL CHANNEL TRANSMIT MODE - CHANNEL 415- OTP



Document #: EMI3355.US.02
Date: July 11, 2002

OCCUPIED BANDWIDTH

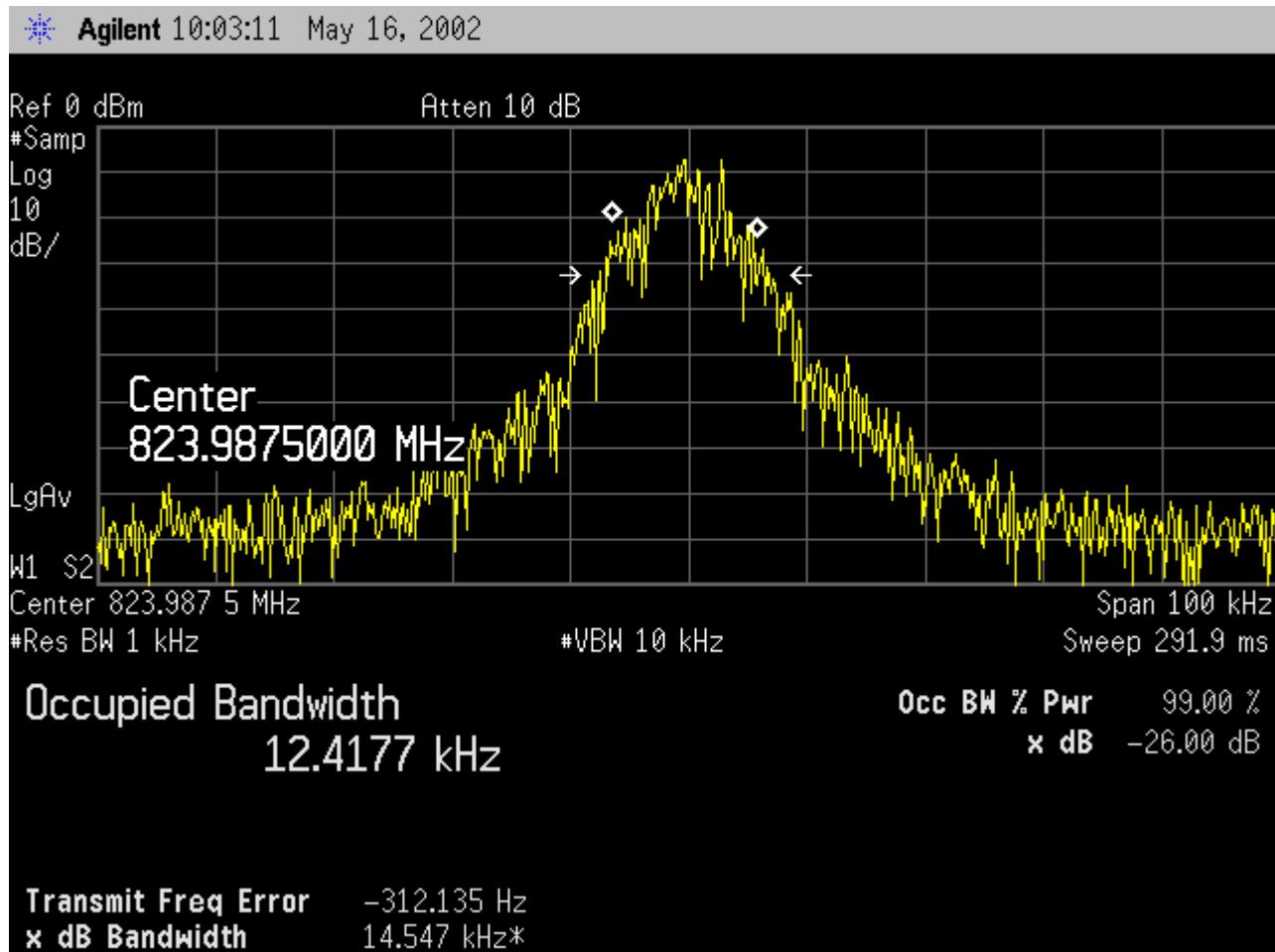
CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 2

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE - CHANNEL 830- OTP

OCCUPIED BANDWIDTH

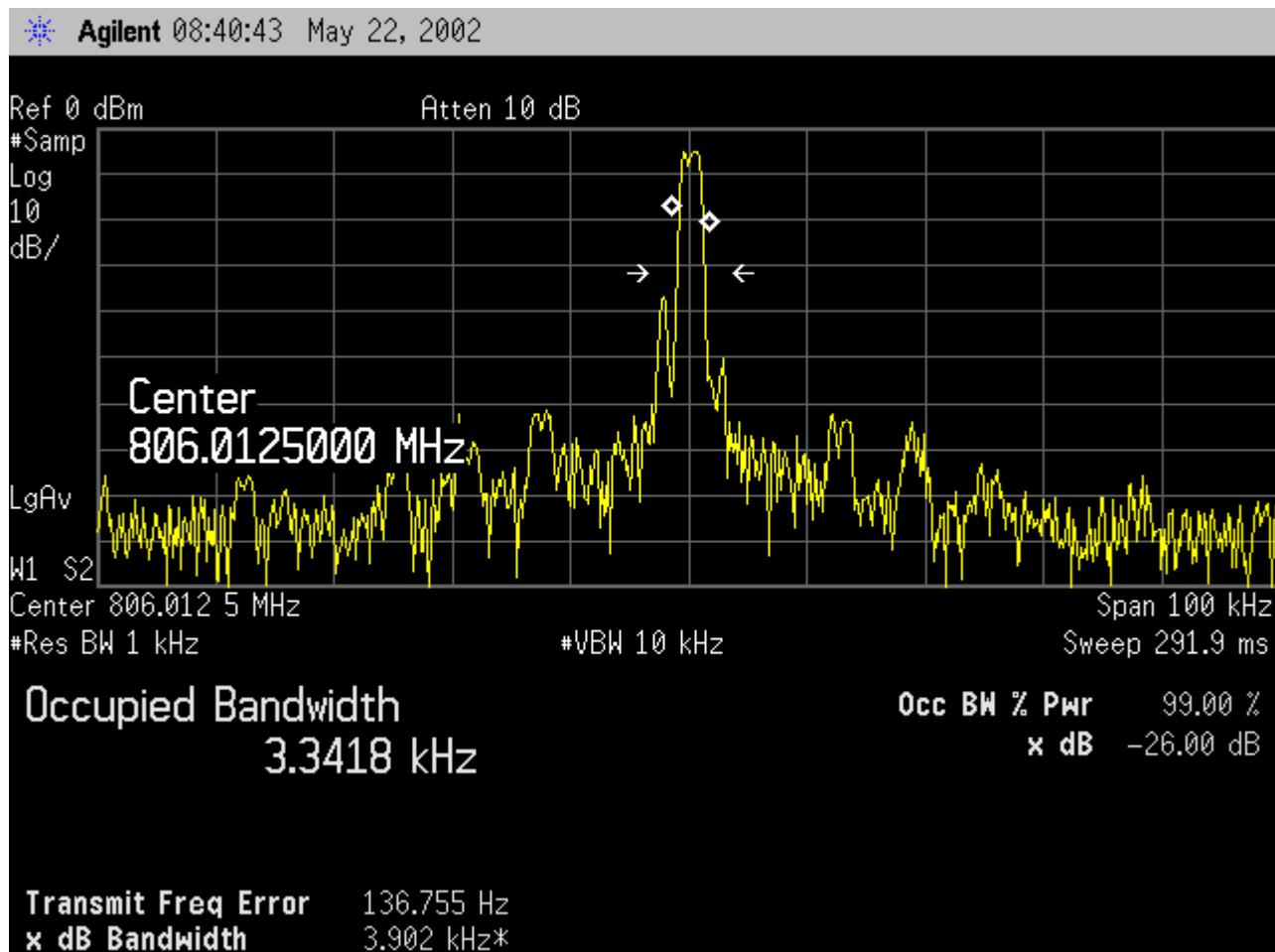
CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 2

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OCF

OCCUPIED BANDWIDTH

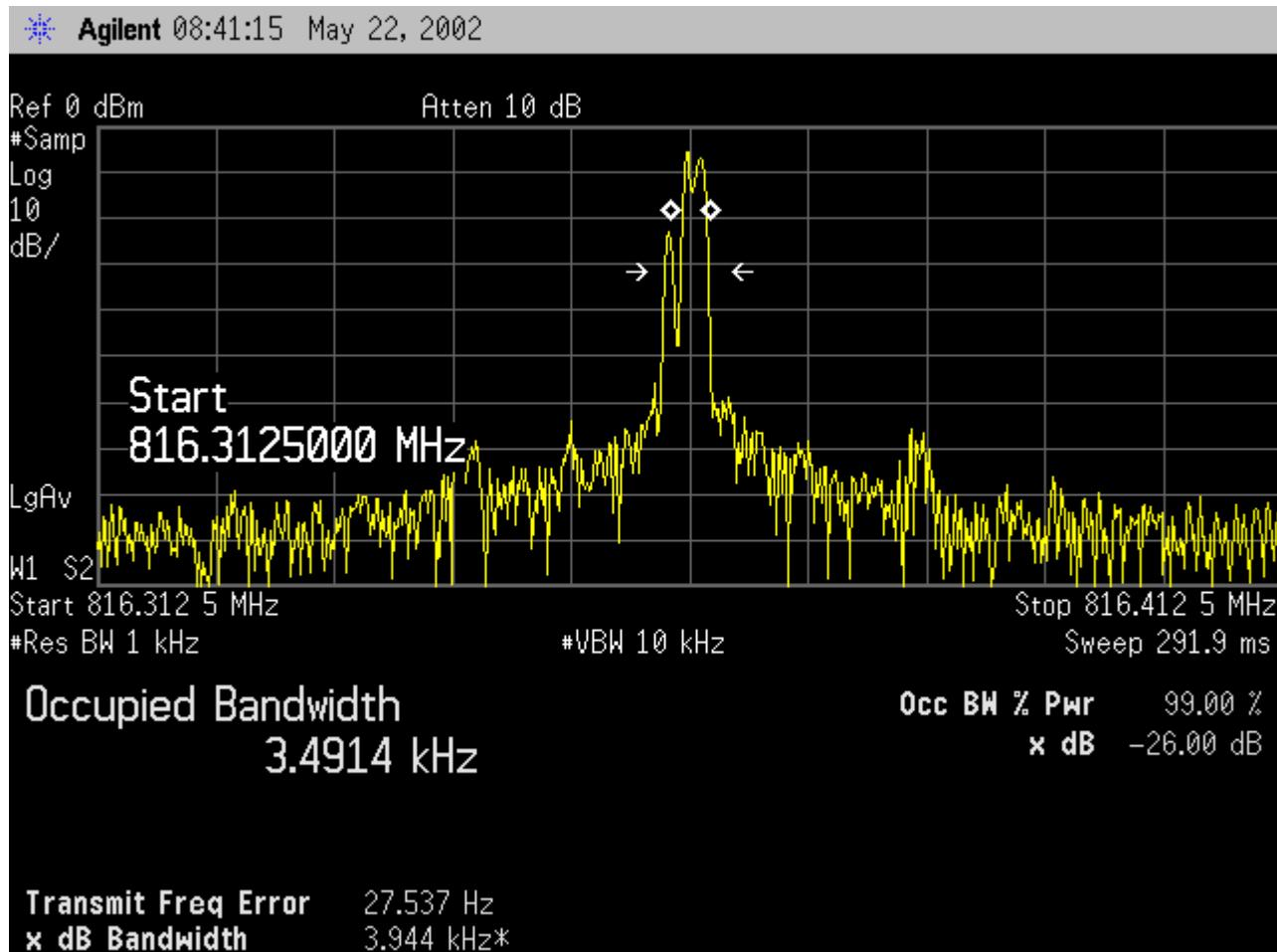
CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 2

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL CHANNEL TRANSMIT
MODE - CHANNEL 415- OCF

OCCUPIED BANDWIDTH

CUSTOMER: M/A-COM

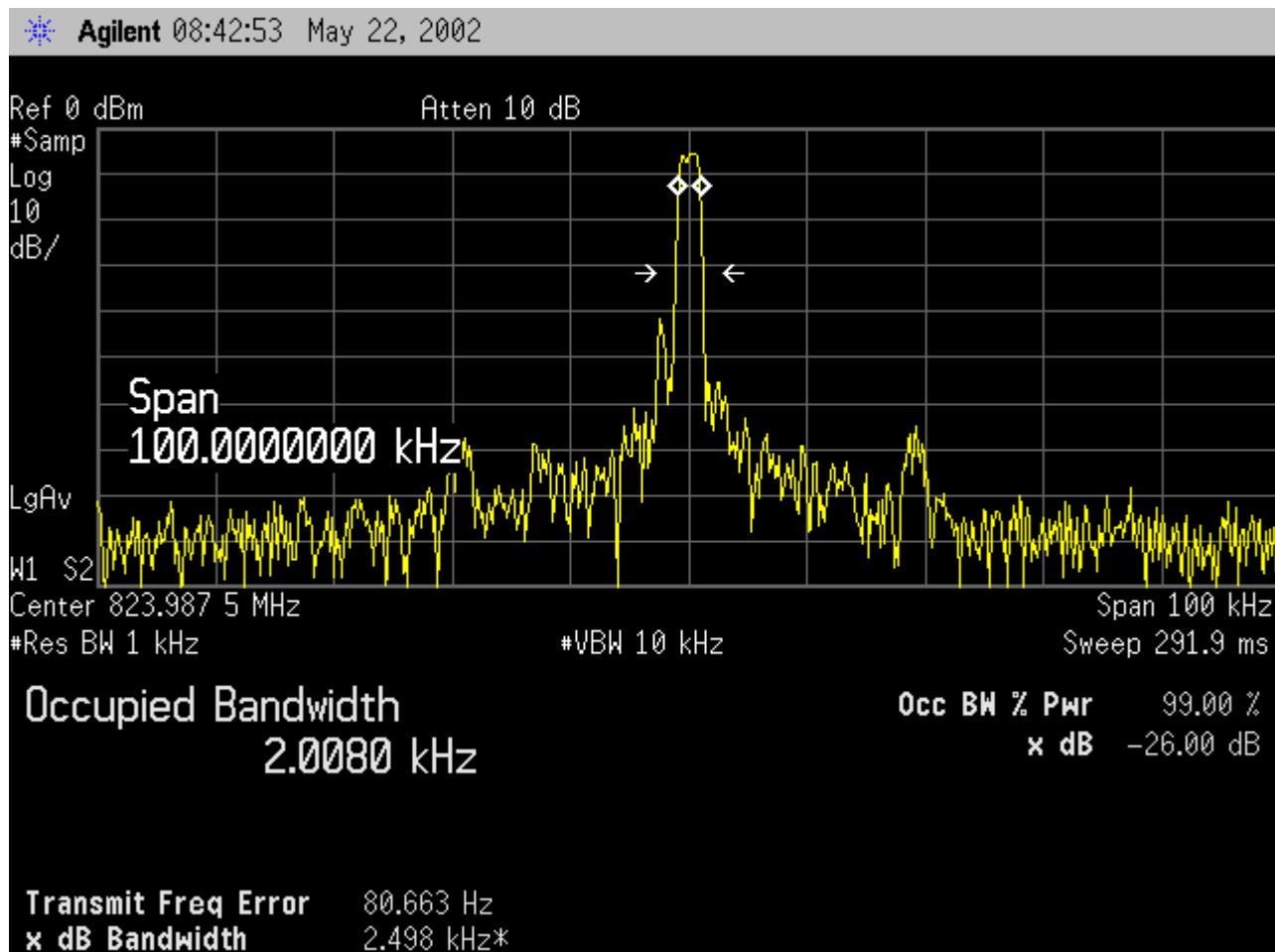
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 2

OPERATING MODE: NORMAL FULL POWER TRANSMIT MODE - CHANNEL 830- OCF



Document #: EMI3355.US.02
Date: July 11, 2002

OCCUPIED BANDWIDTH

CUSTOMER: M/A-COM

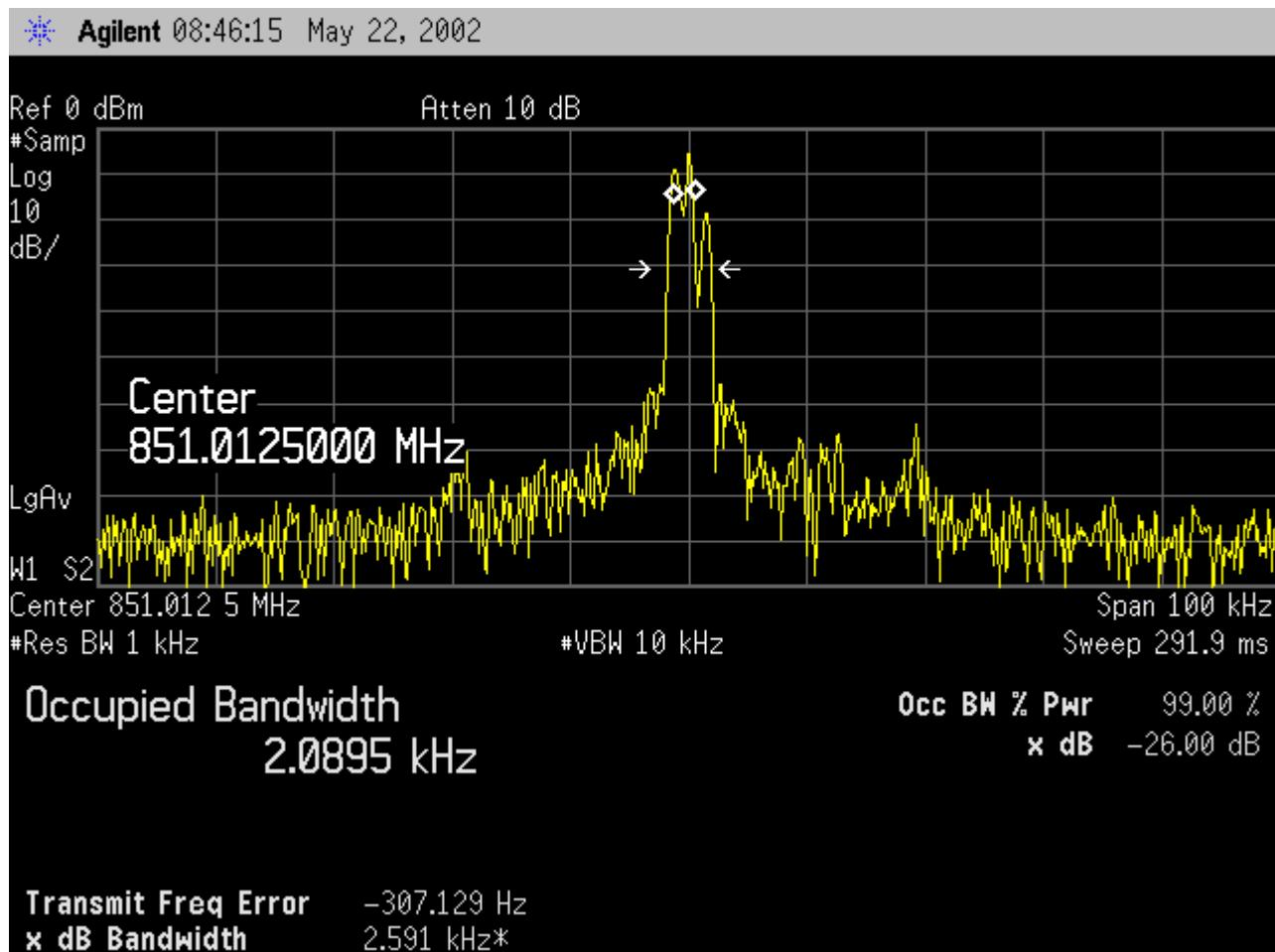
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 2

OPERATING MODE: NORMAL FULL POWER TRANSMIT MODE – CHANNEL 1-OCF TALK AROUND



Document #: EMI3355.US.02
Date: July 11, 2002

OCCUPIED BANDWIDTH

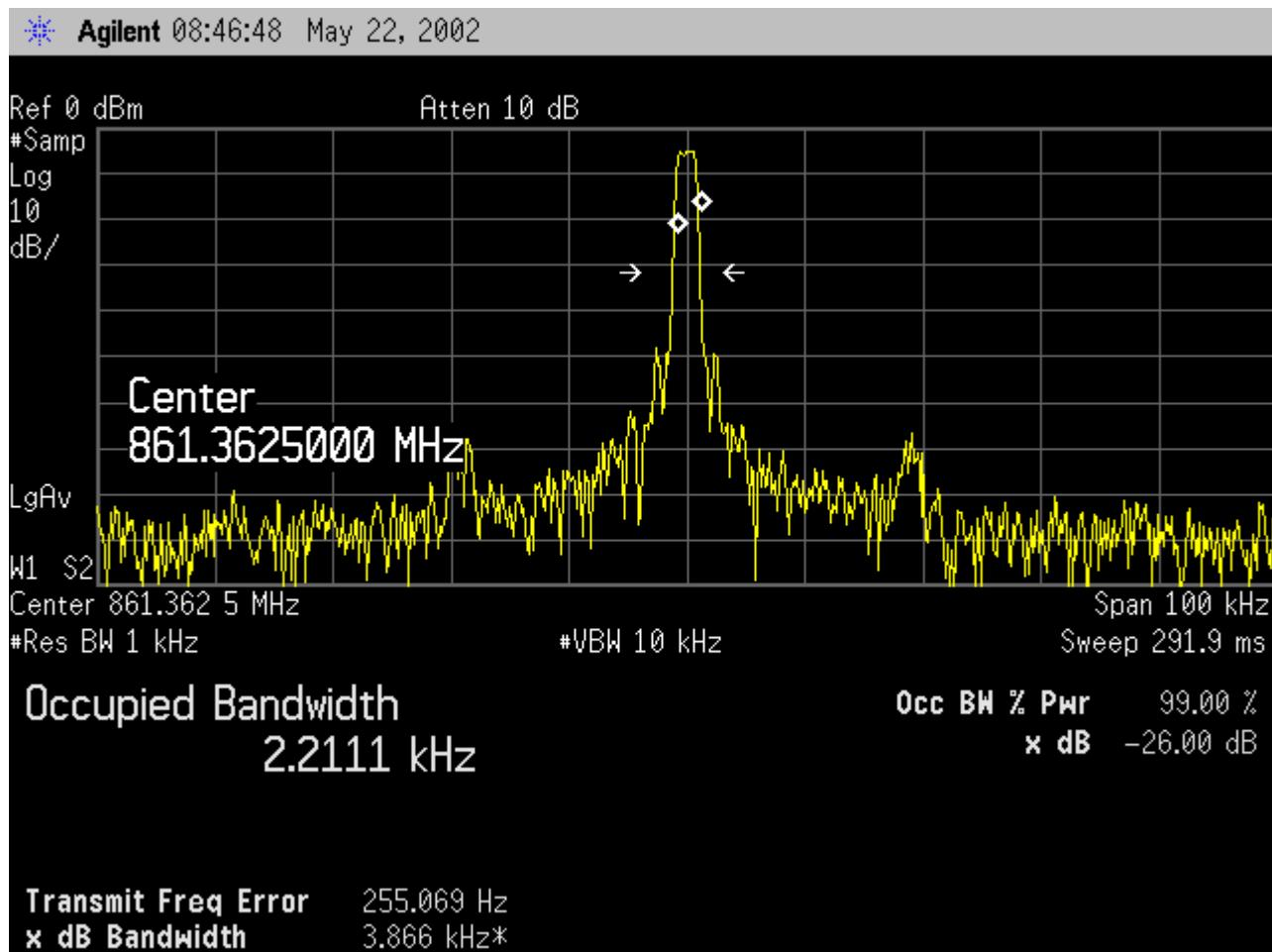
CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 2

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL CHANNEL TRANSMIT
MODE - CHANNEL 415- OCF TALK AROUND

OCCUPIED BANDWIDTH

CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

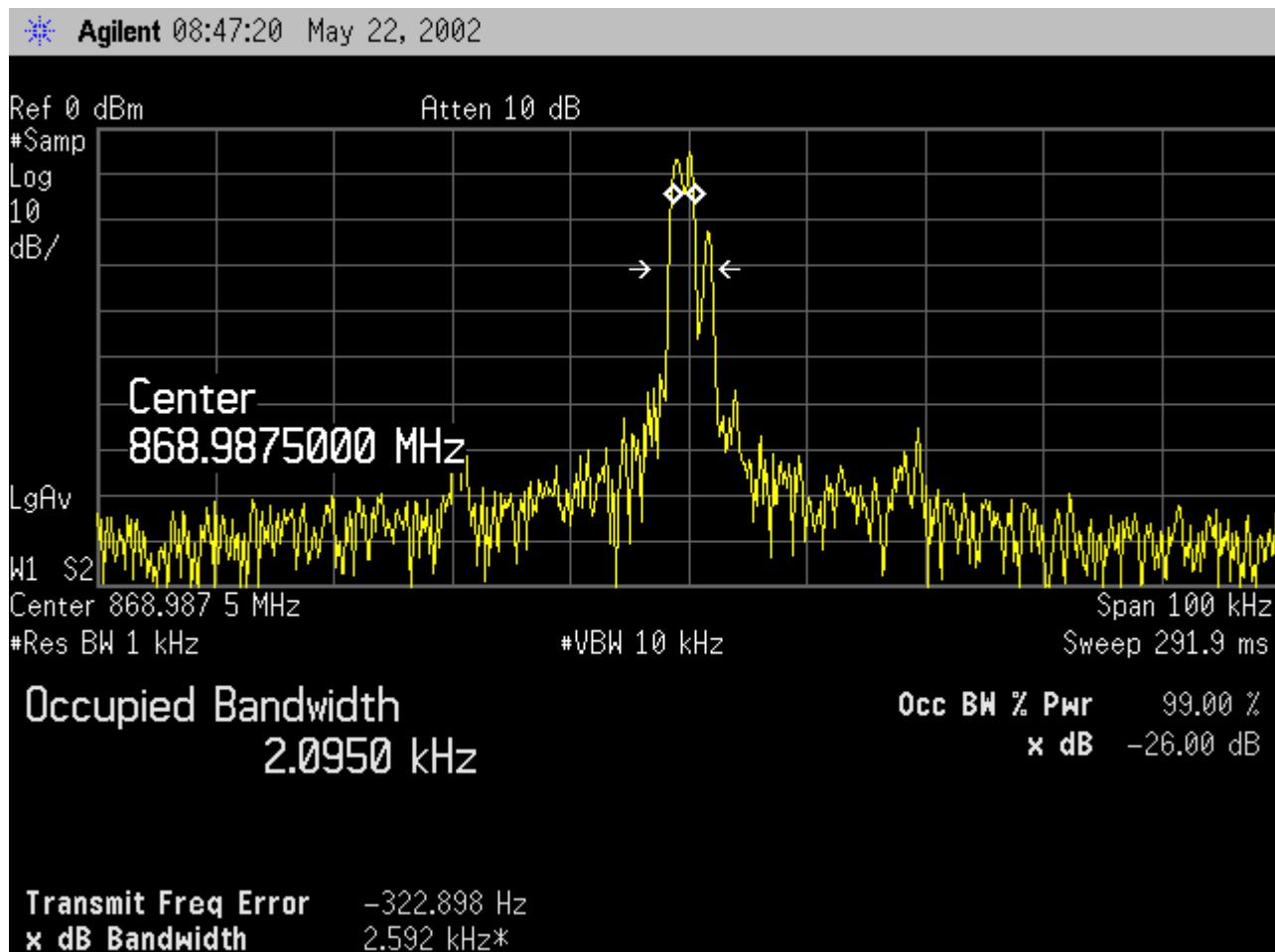
TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

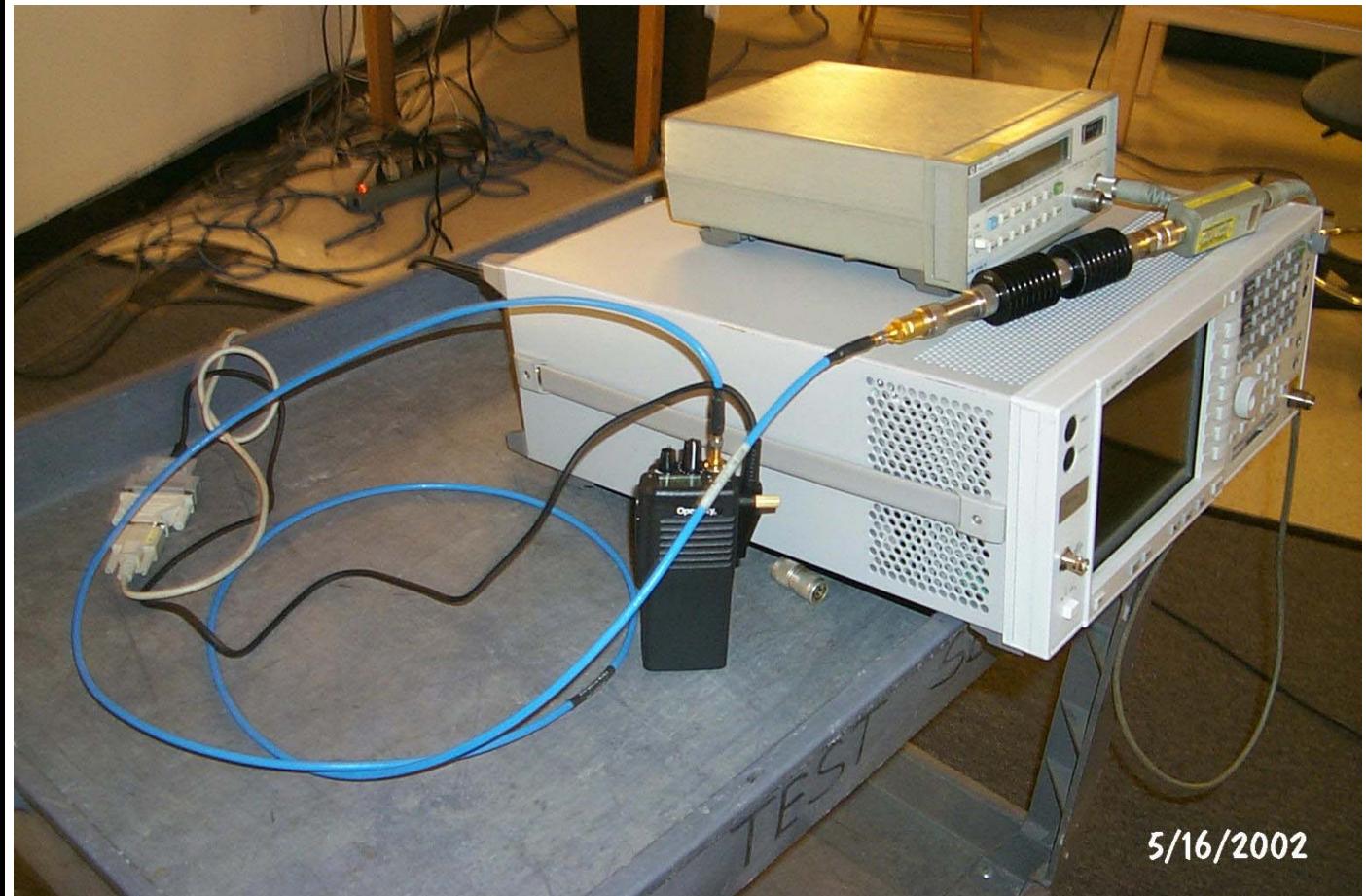
TEST NUMBER: 2

OPERATING MODE: NORMAL FULL POWER

TRANSMIT MODE - CHANNEL 830- QCF TALK AROUND



Document #: EMI3355.US.02
Date: July 11, 2002

2.2.6 Photographic Documentation**CUSTOMER: M/A-COM****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****DATE: 04/22/02 AND 05/16/02****TEST NUMBER: 2**

Photographic Documentation**CUSTOMER: M/A-COM****DATE: 04/22/02 AND 05/16/02****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TEST NUMBER: 2****Photograph Description: Radiated set-up****FORM CTS-PHOTO**

2.3 Emission Mask

2.3.1 Equipment Used

Test Equipment		Asset #	Serial #	Cal Date
X	H/P E4401 Spectrum Analyzer	N/A	4895C76451	04/03
X	Narda 769-20 High Band Attenuator	284	03793	C.P.U.
X	Narda 769-20 High Band Attenuator	471	02951	C.P.U.

2.3.2 Test Conditions

The Emission Mask was measured with the OpenSky P800 Portable Radio placed on top of a wooded turntable located in Test Site A. The ambient temperature of the room was 20°C.

The OpenSky P800 Portable Radio was configured to operate in all three modes of operation transmitting at the low, mid and high frequency of each band. The OpenSky P800 Portable Radio was set up and powered by a fully charged battery for the test.

The modes of operation and frequencies tested are as follows:

OCF Mode	OTP Mode	OCF Talk Around
Ch# 1 806.0125MHz	Ch# 1 806.0125MHz	Ch# 1 851.0125MHz
Ch# 415 816.3625MHz	Ch# 415 816.3625MHz	Ch# 415 861.3625MHz
Ch# 830 823.9875MHz	Ch# 830 823.9875MHz	Ch# 830 868.9875MHz

2.3.3 Test Method

The output of the OpenSky P800 Portable Radio was connected to a spectrum analyzer via a N-Type cable and 40dB of attenuation. The P800 was set up to transmit without modulation the power level of transmission was recorded and the spectrum analyzers reference level was set to that power level. The P800 was then set to transmit with the desired modulation and frequency scan of the transmitted signal was saved and compared to the appropriate emission mask.

The output of the OpenSky radio was compared to the Emissions Mask H of FCC Part 90.210.

2.3.4 Results

The M/A-Com OpenSky P800 Portable Radio met the requirements of FCC Part 90.210 Emissions Mask H.

2.3.5 Test Data

EMISSION MASK

CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

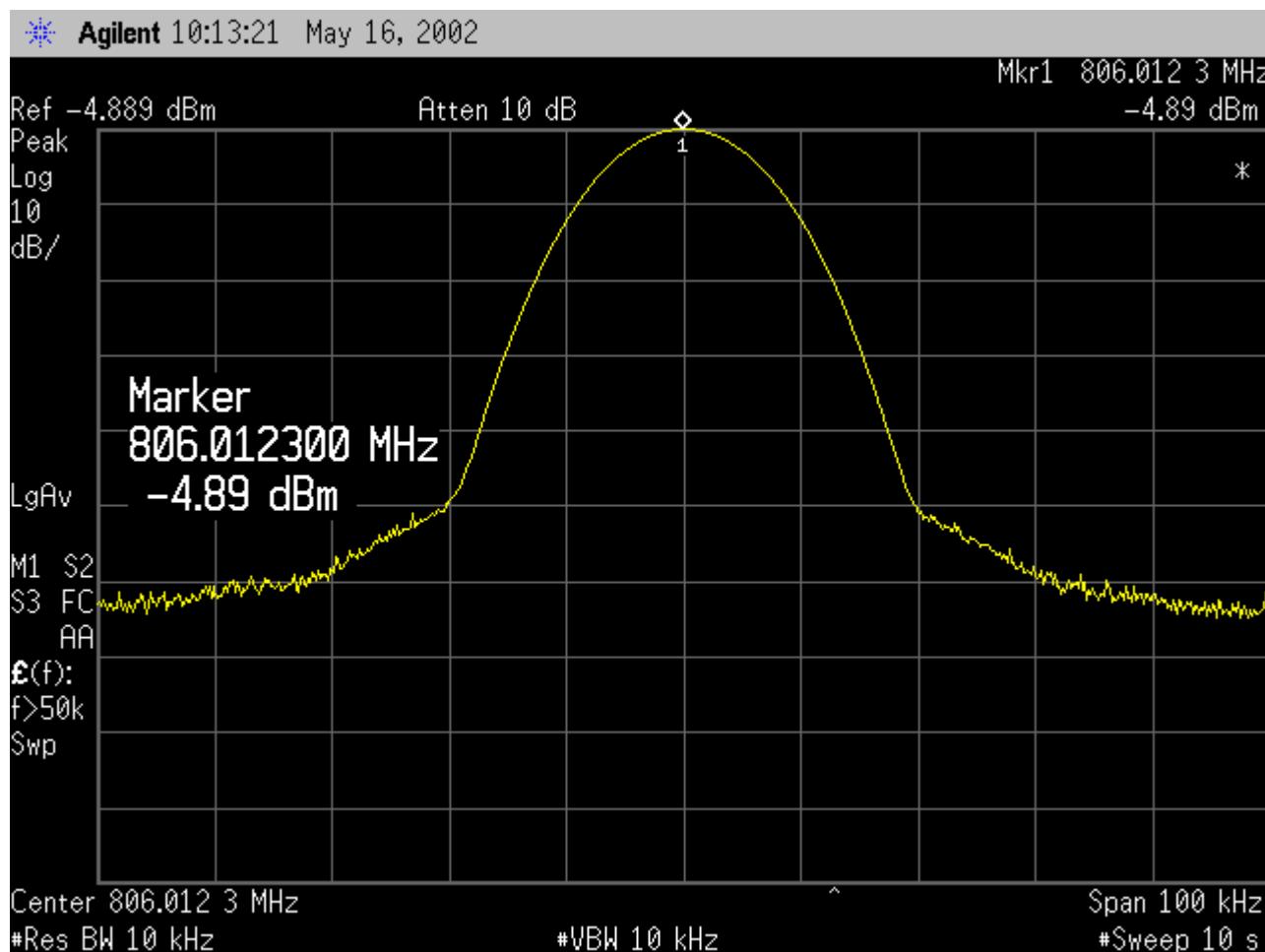
TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER

TRANSMIT MODE – CHANNEL 1



EMISSION MASK

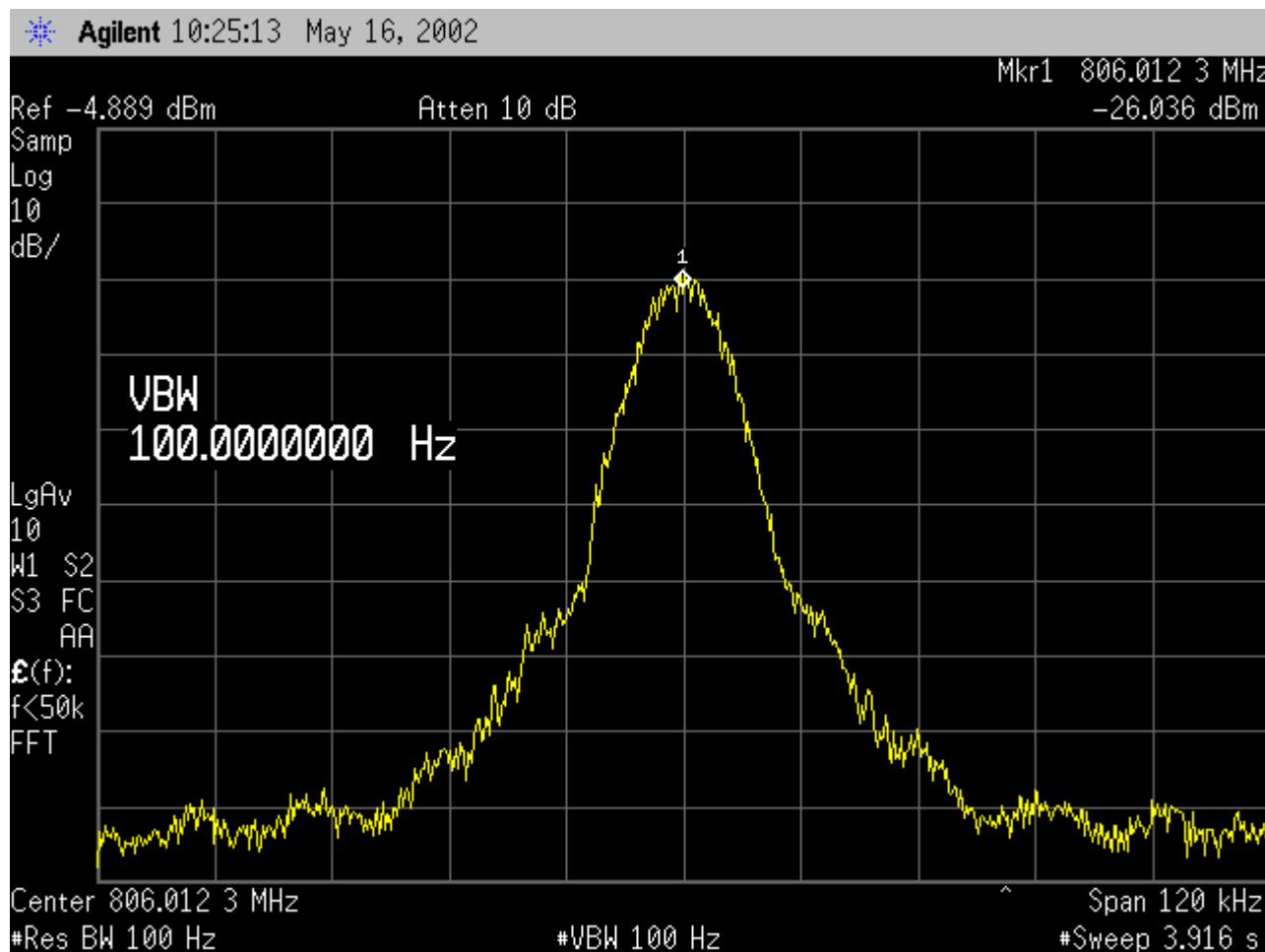
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OTP

EMISSION MASK

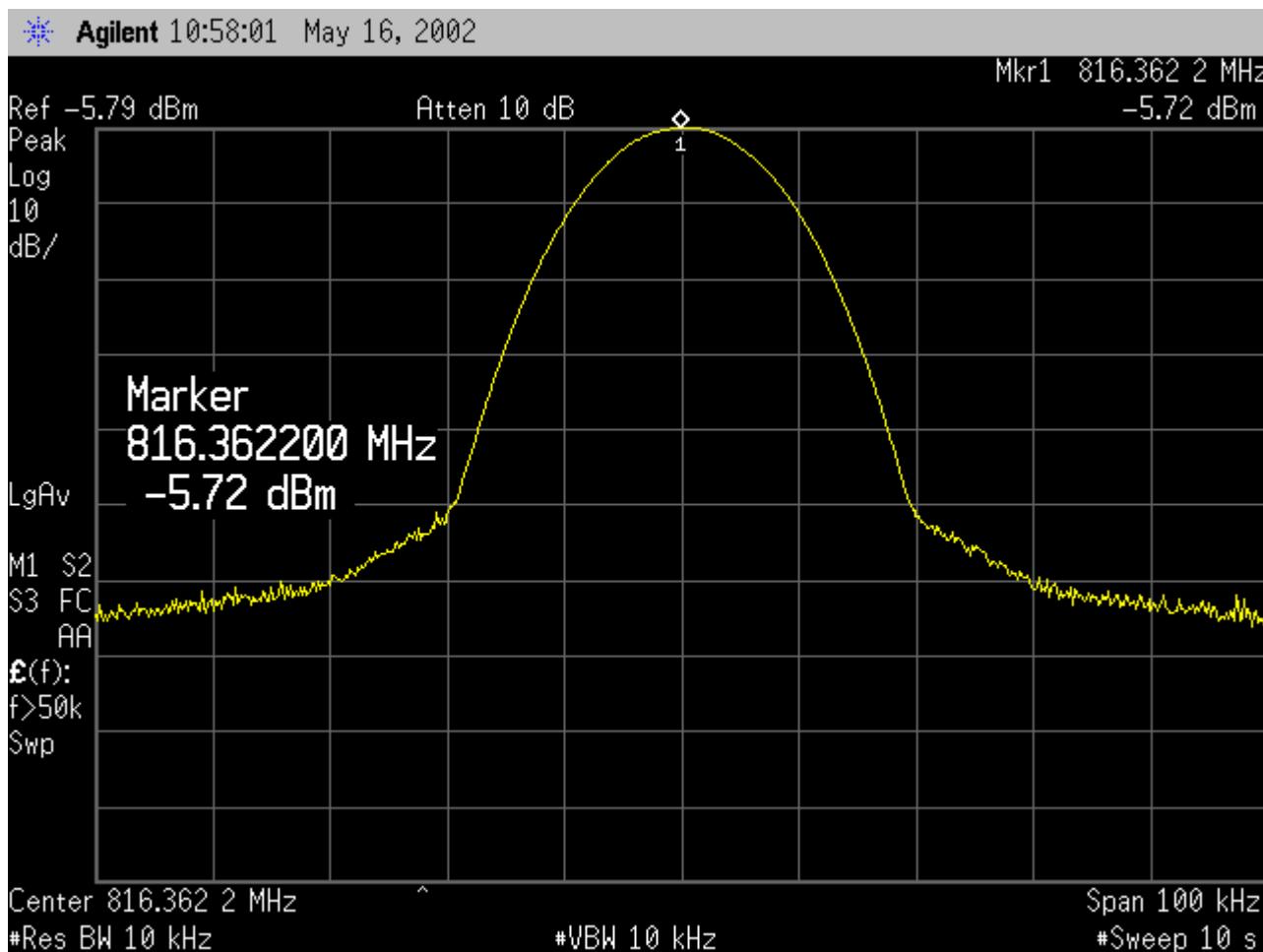
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 415-OTP

EMISSION MASK

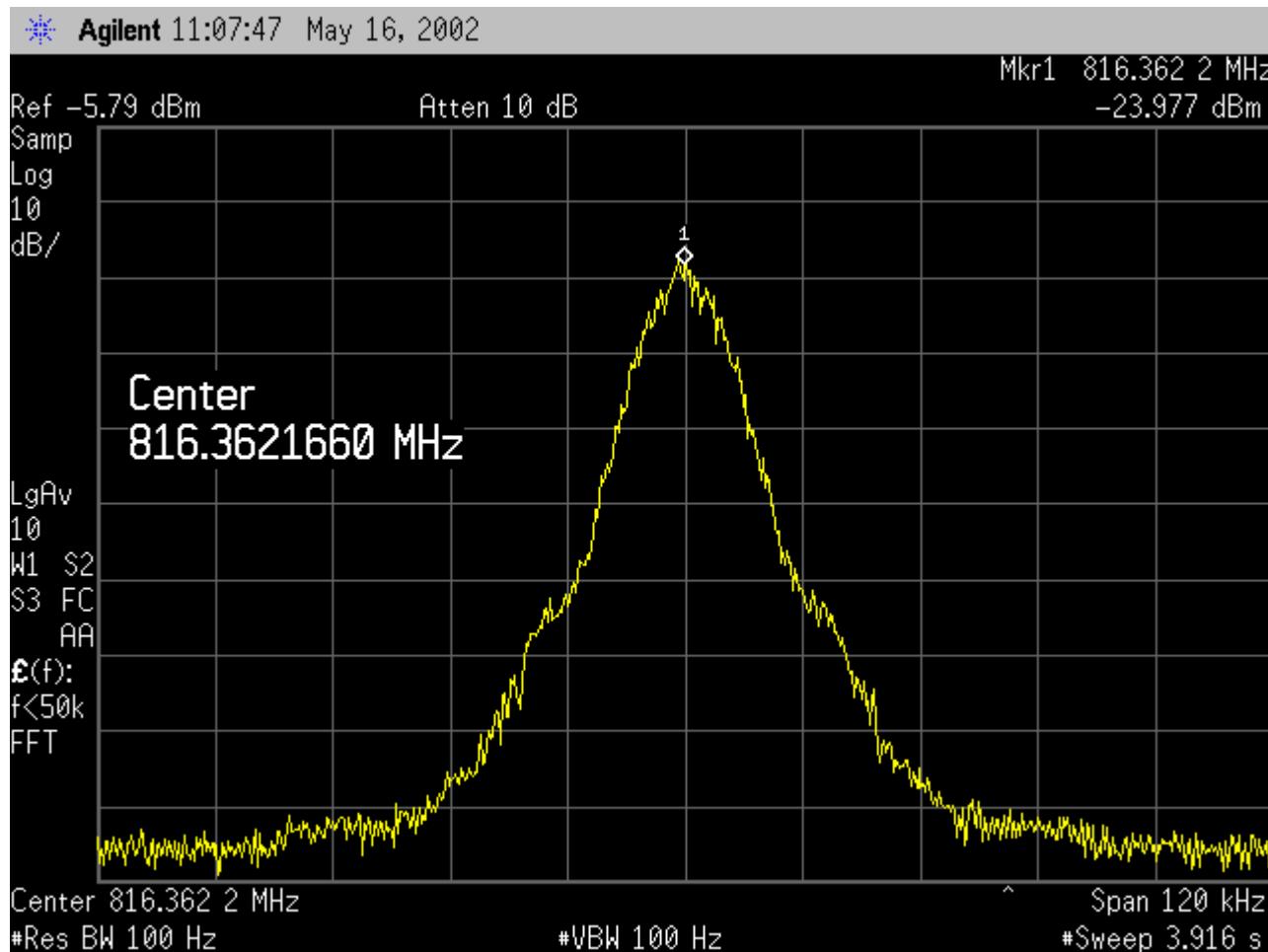
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 415-OTP

EMISSION MASK

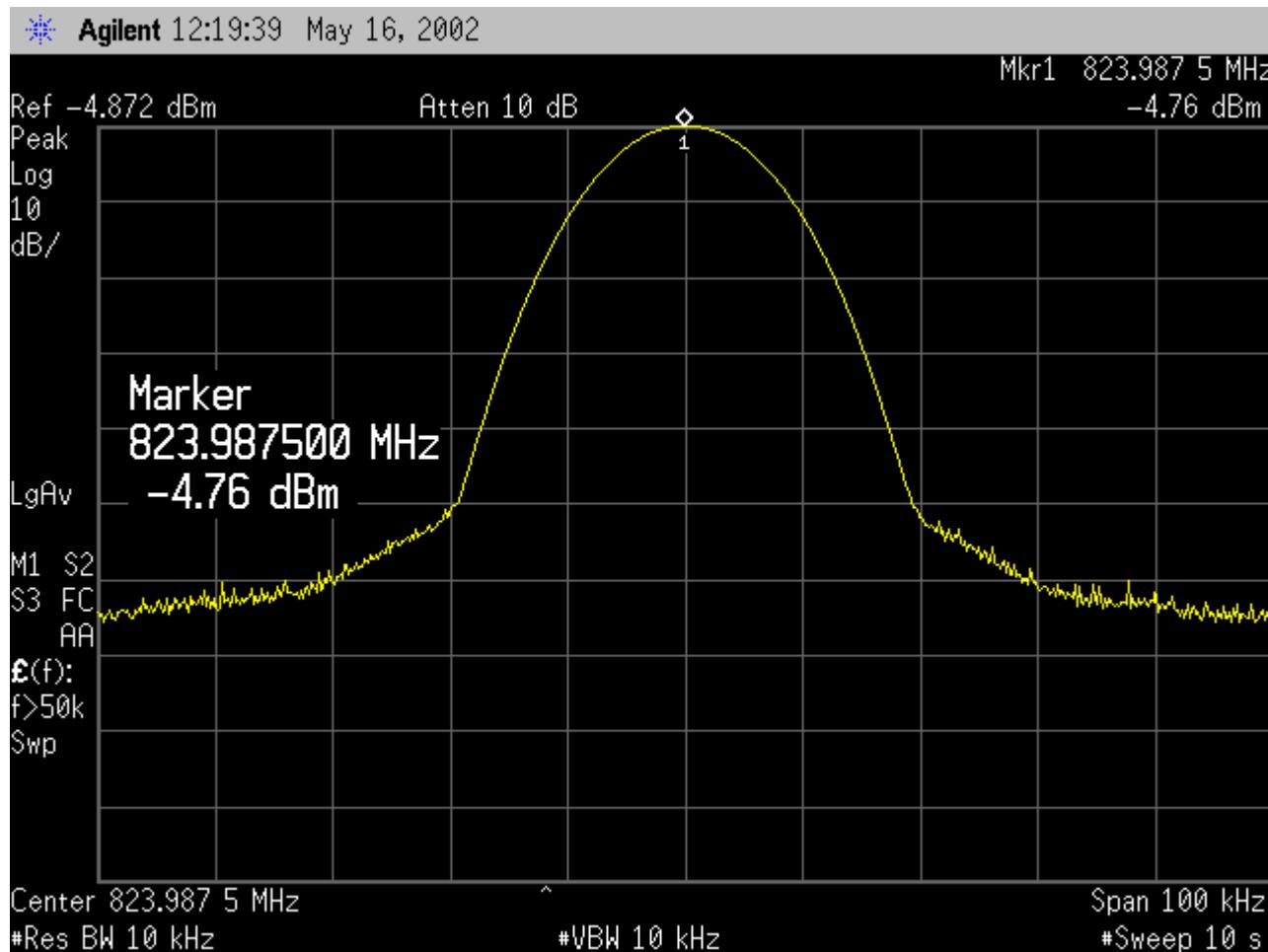
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 830-OTP

EMISSION MASK

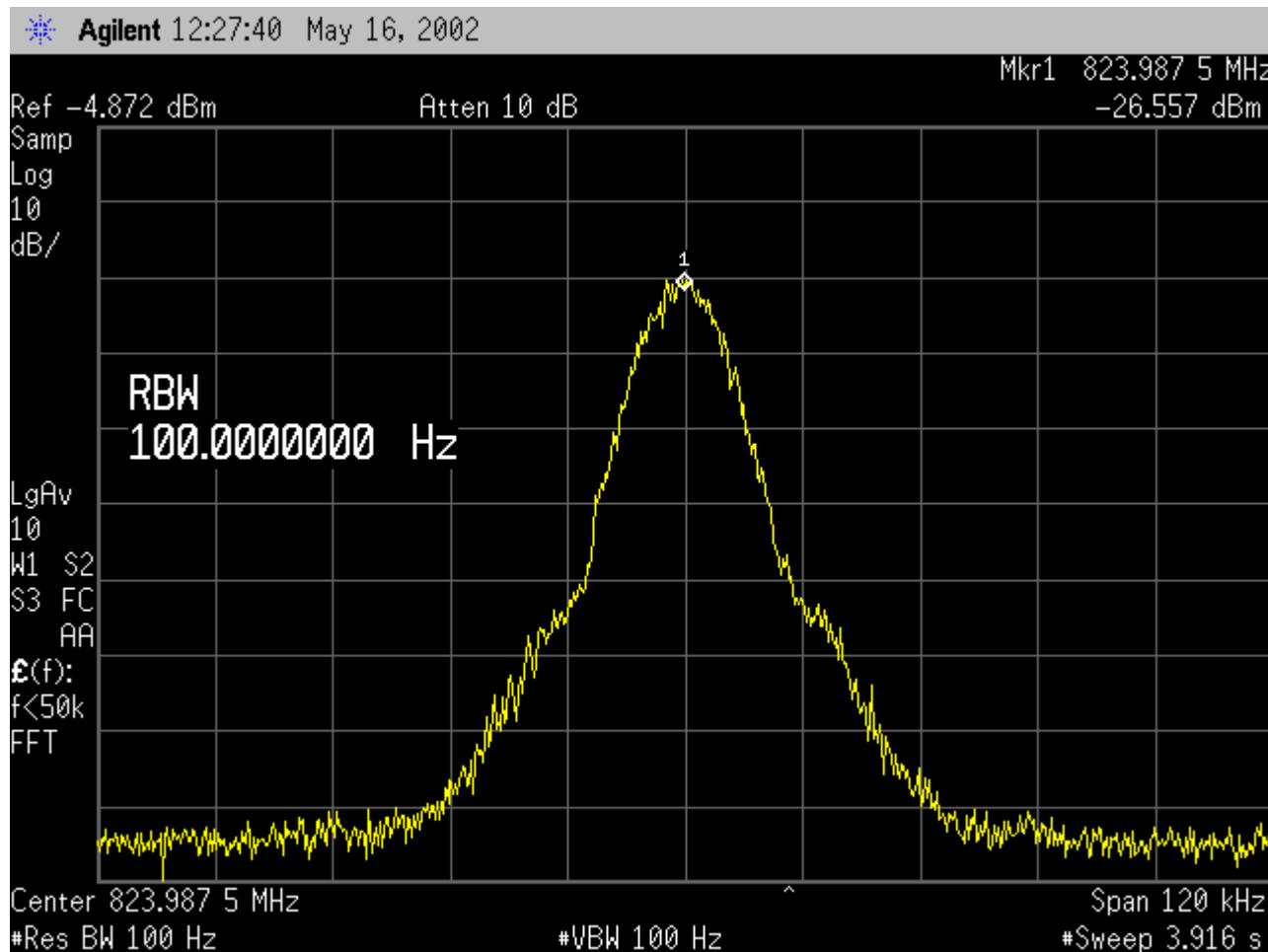
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 830-OTP

EMISSION MASK

CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OCF

EMISSION MASK

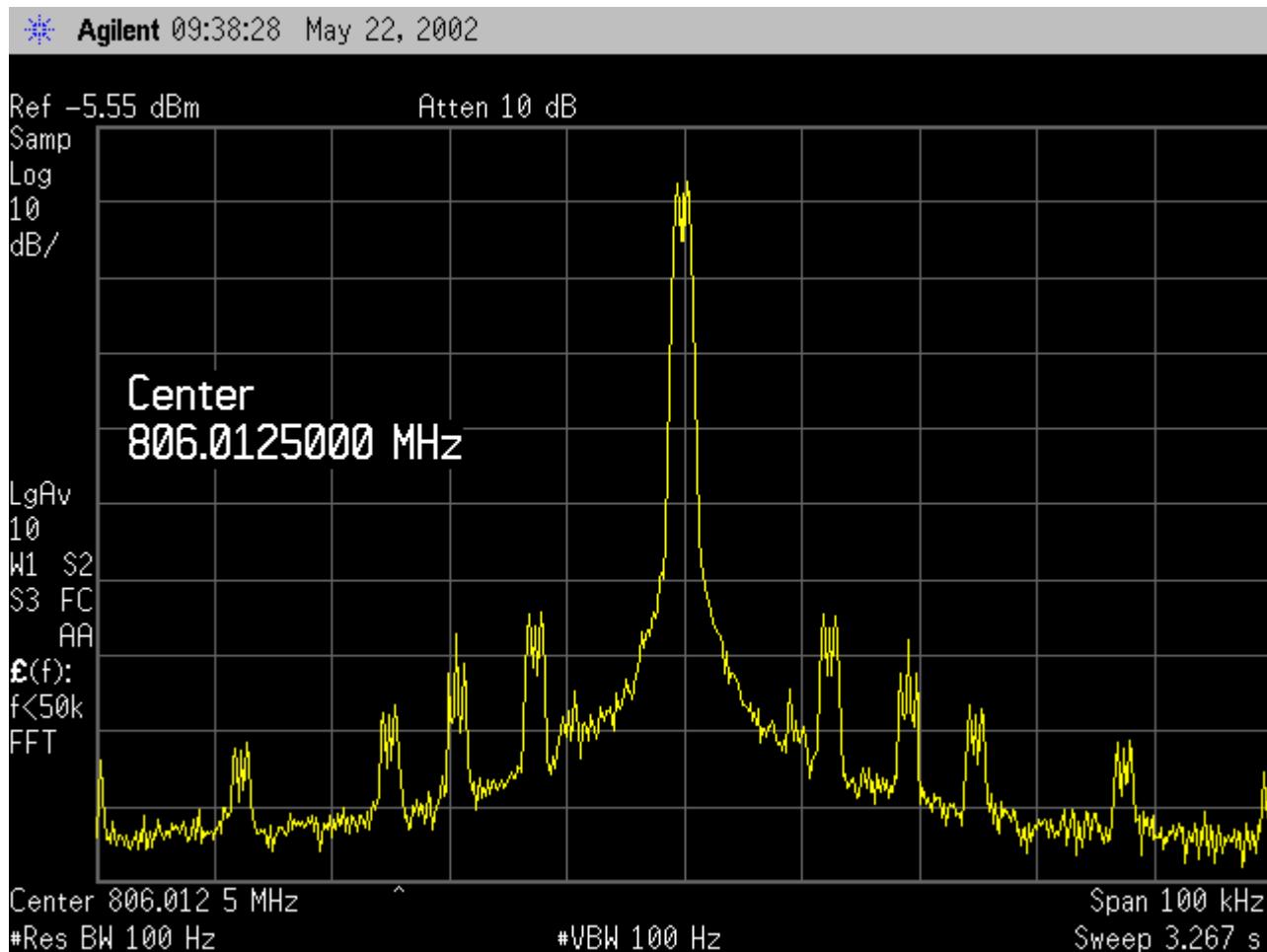
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OCF

EMISSION MASK

CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 415-OCF

EMISSION MASK

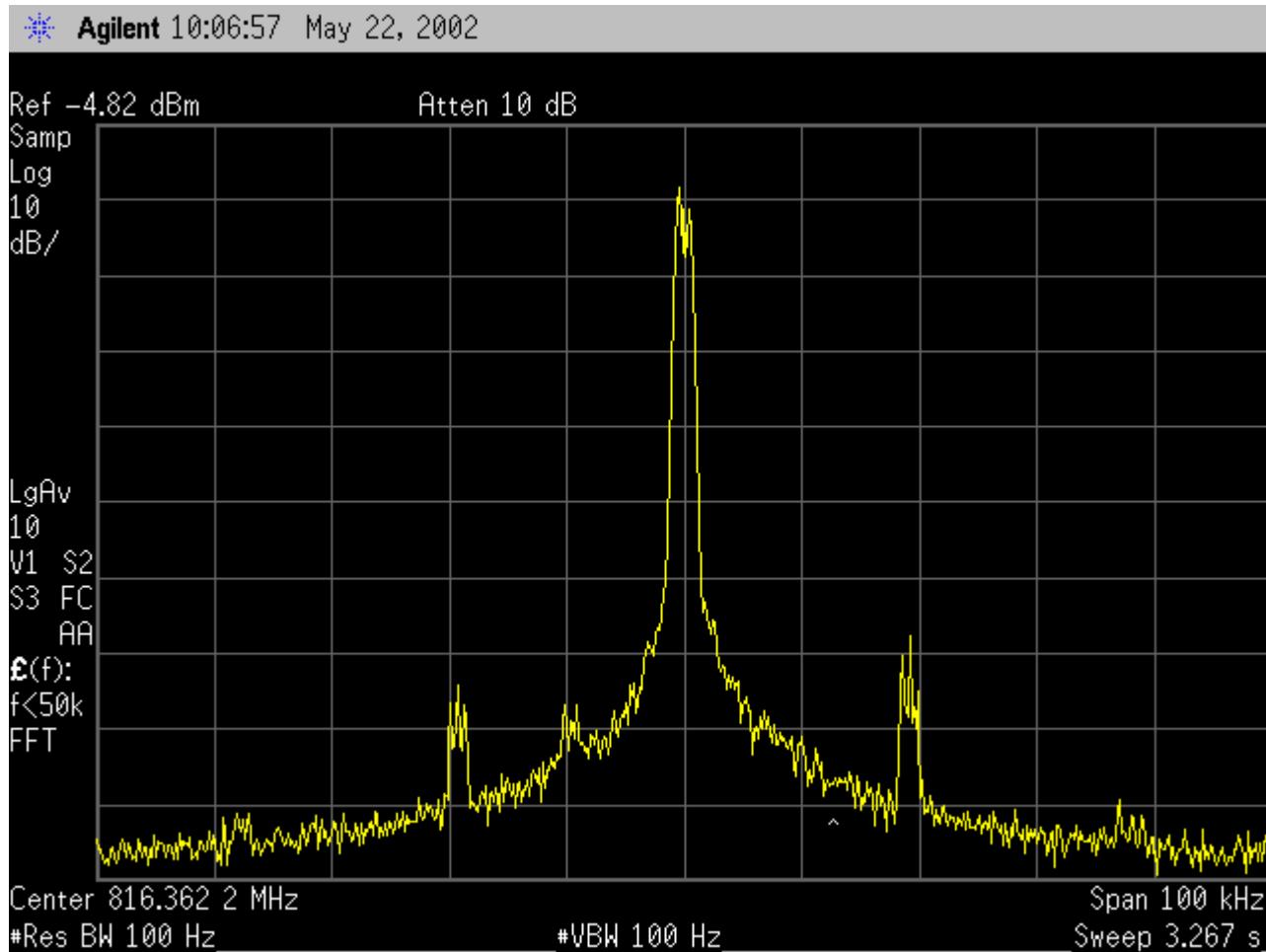
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 415-OCF

EMISSION MASK

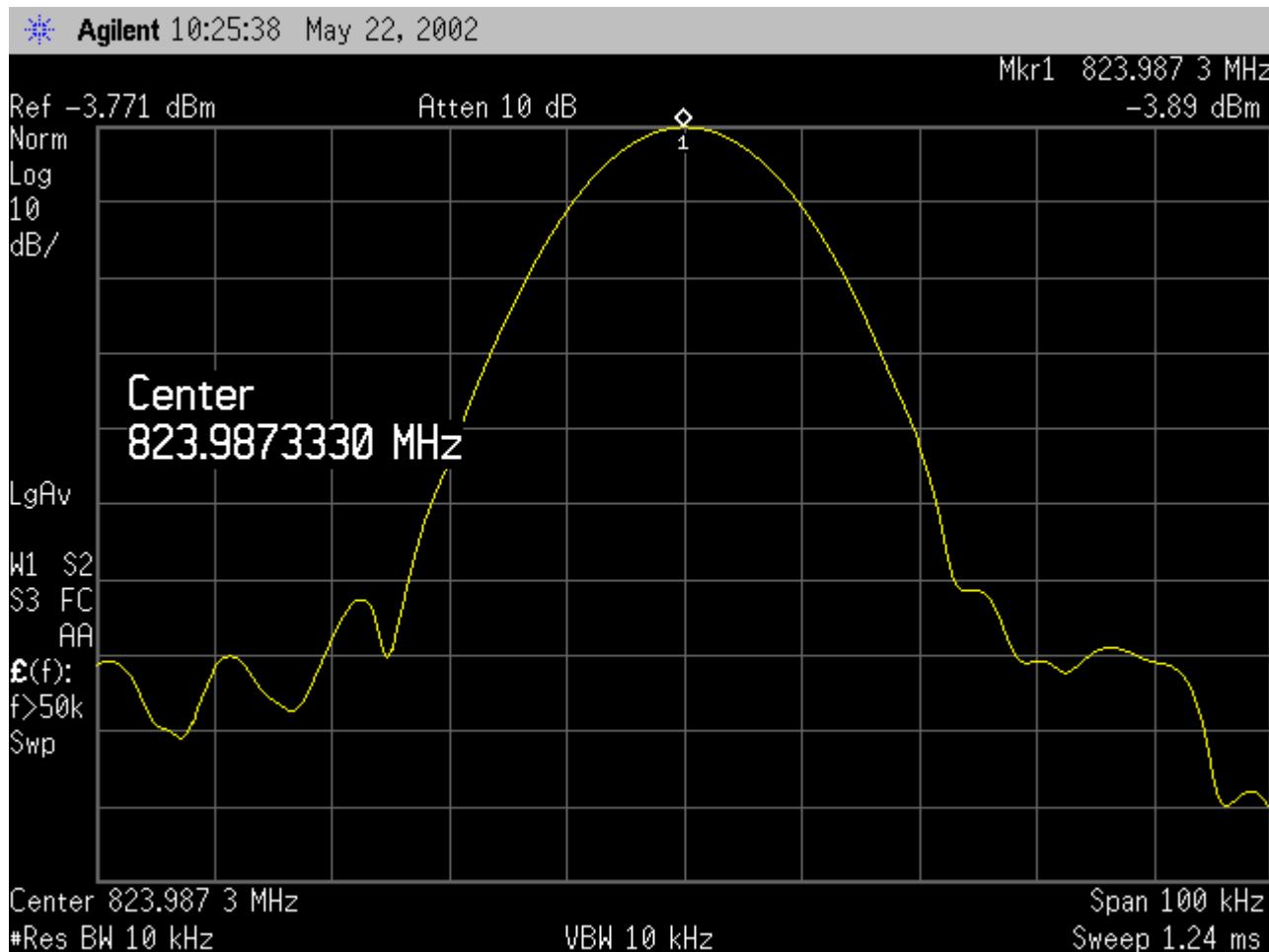
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 8305-OCF

EMISSION MASK

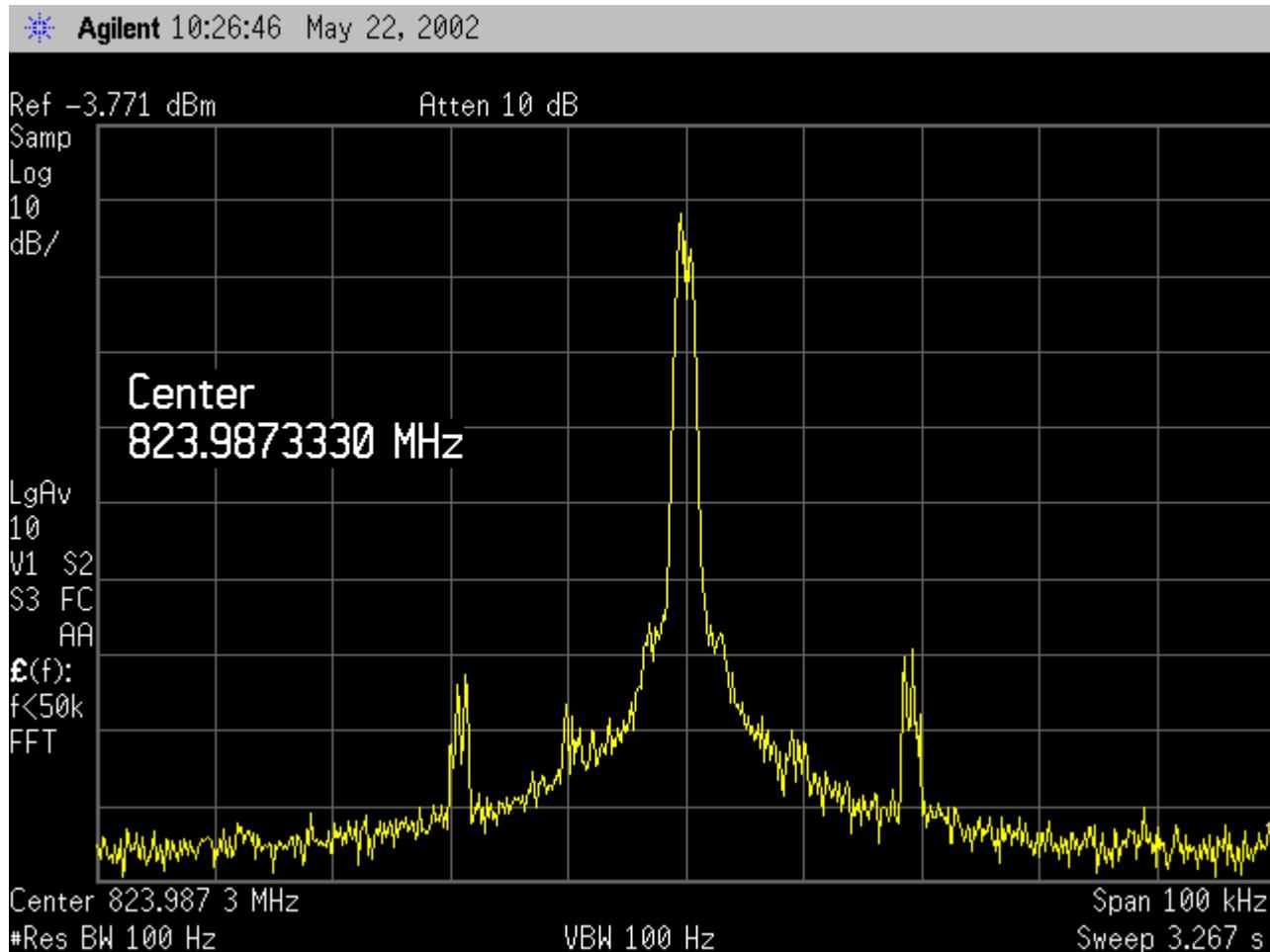
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 830-OCF

EMISSION MASK

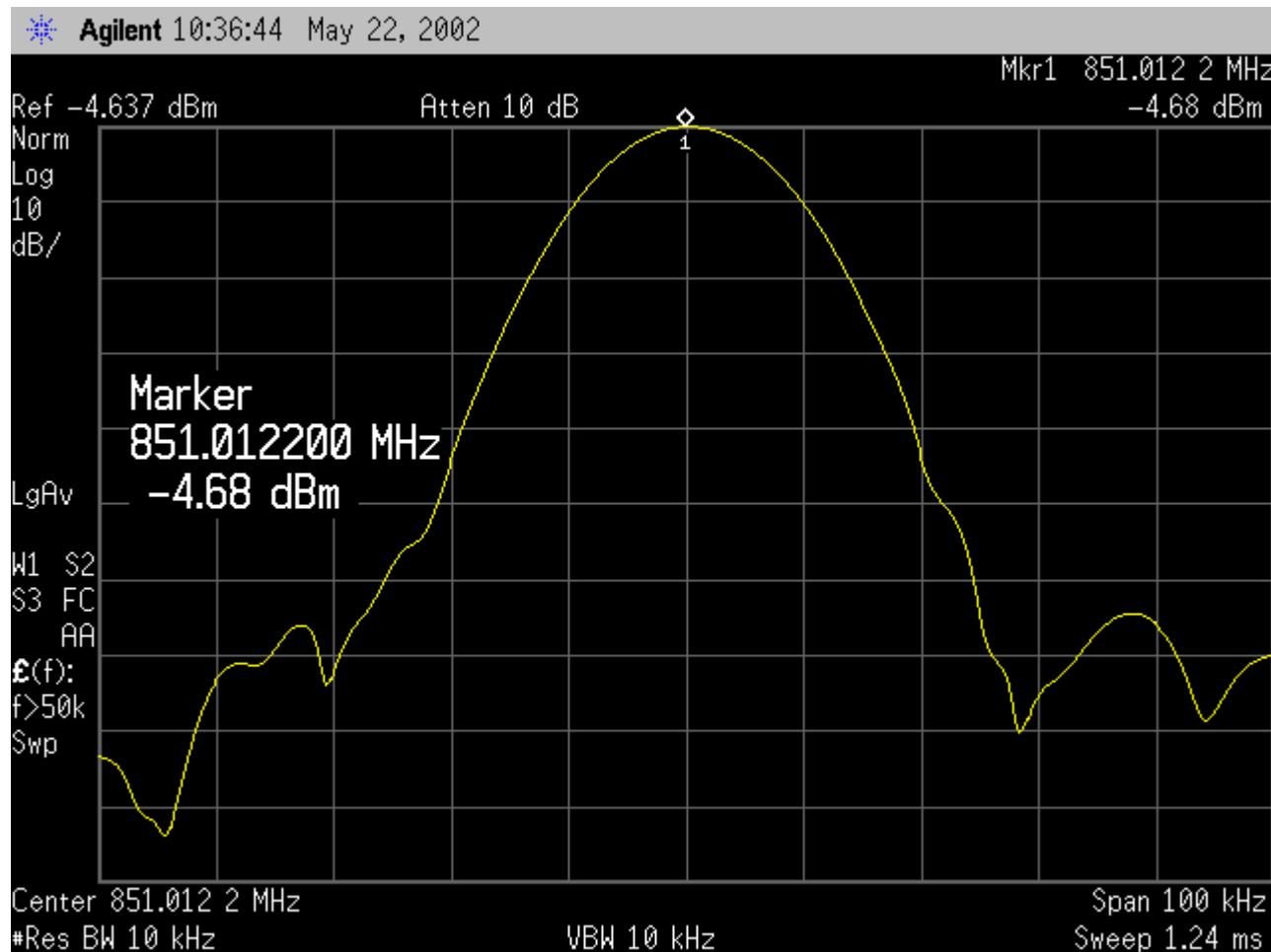
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OCF TALK AROUND

EMISSION MASK

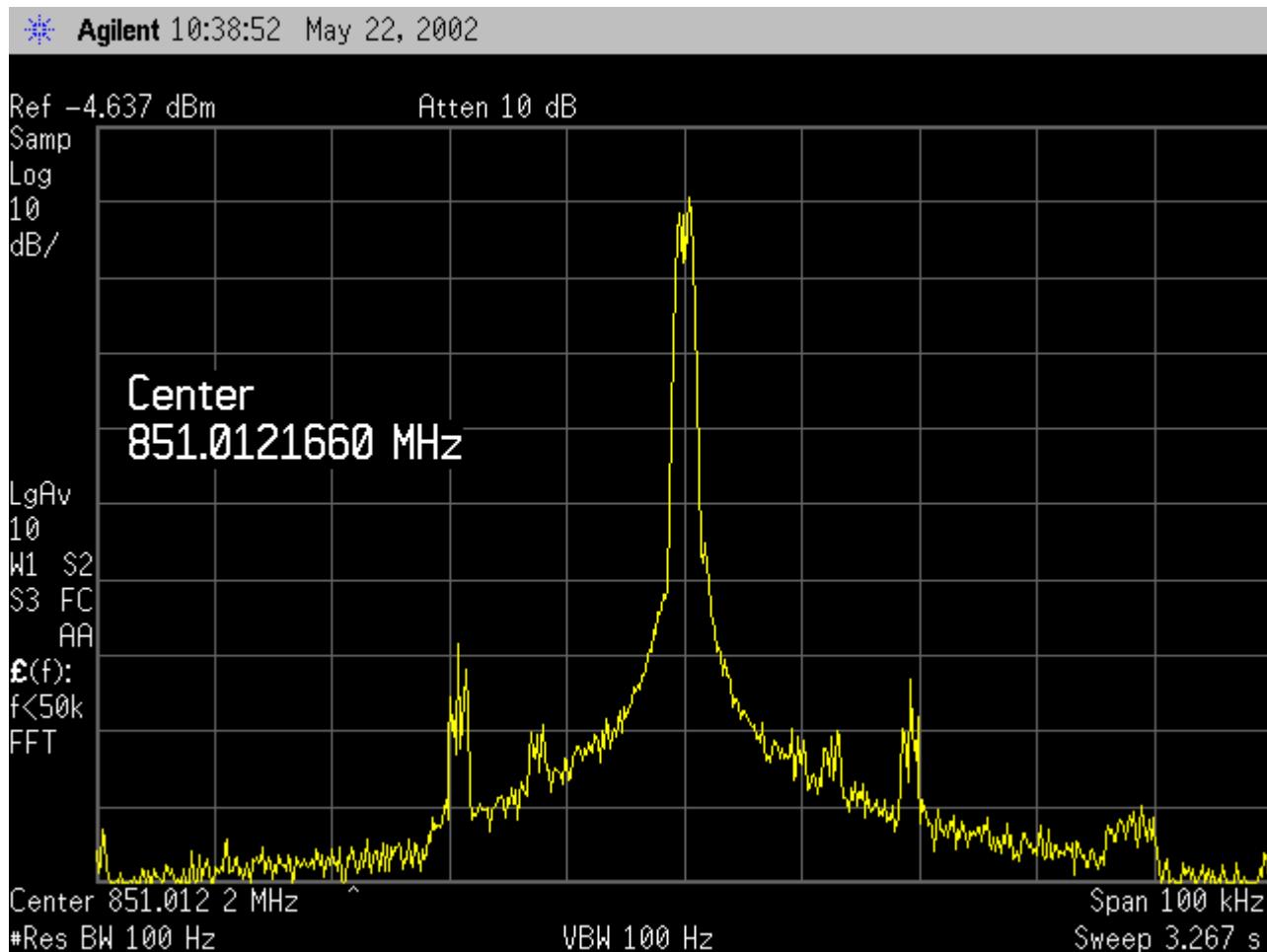
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OCF TALK AROUND

EMISSION MASK

CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

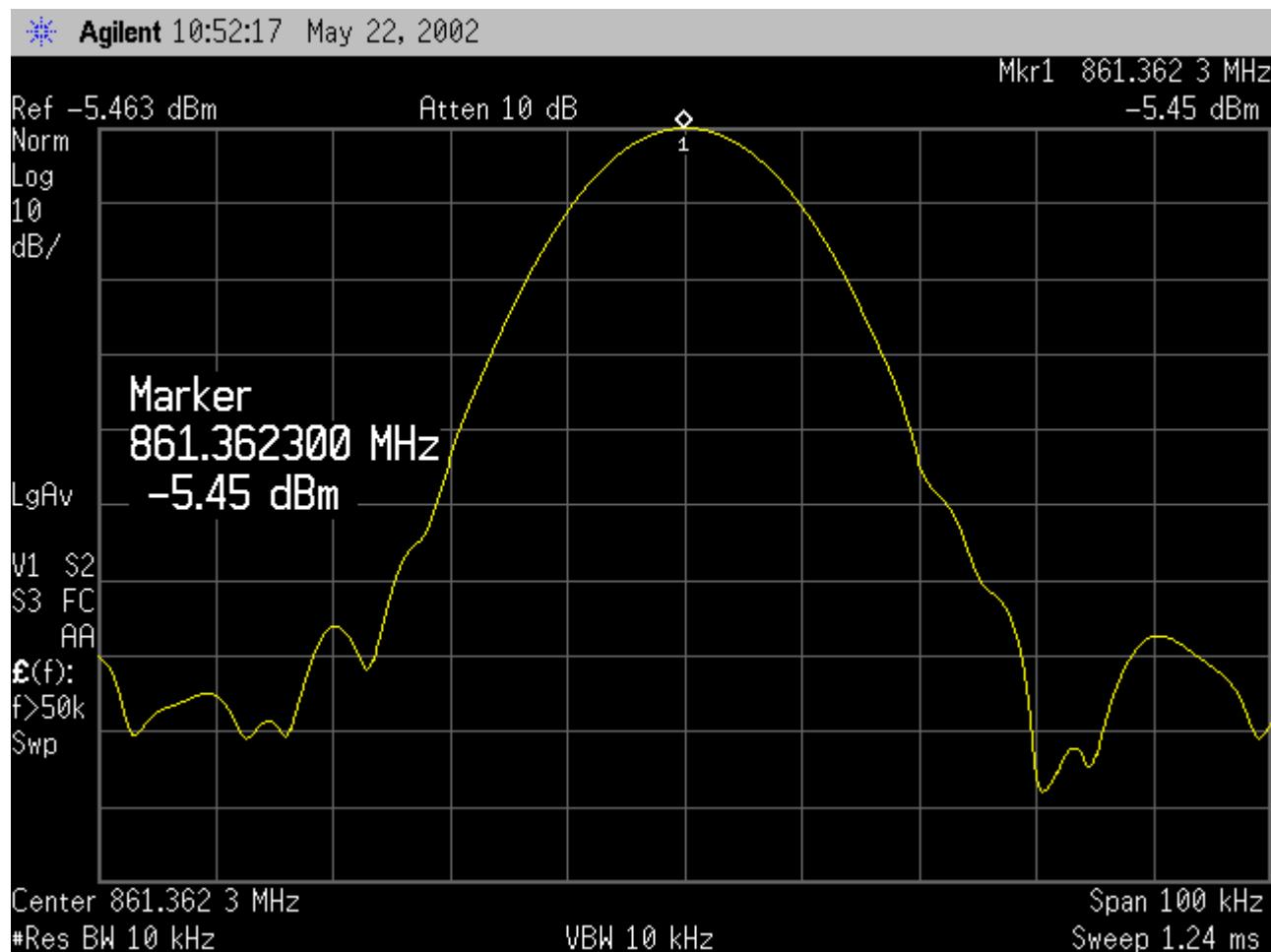
TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER

TRANSMIT MODE – CHANNEL 415-OCF TALK AROUND



EMISSION MASK

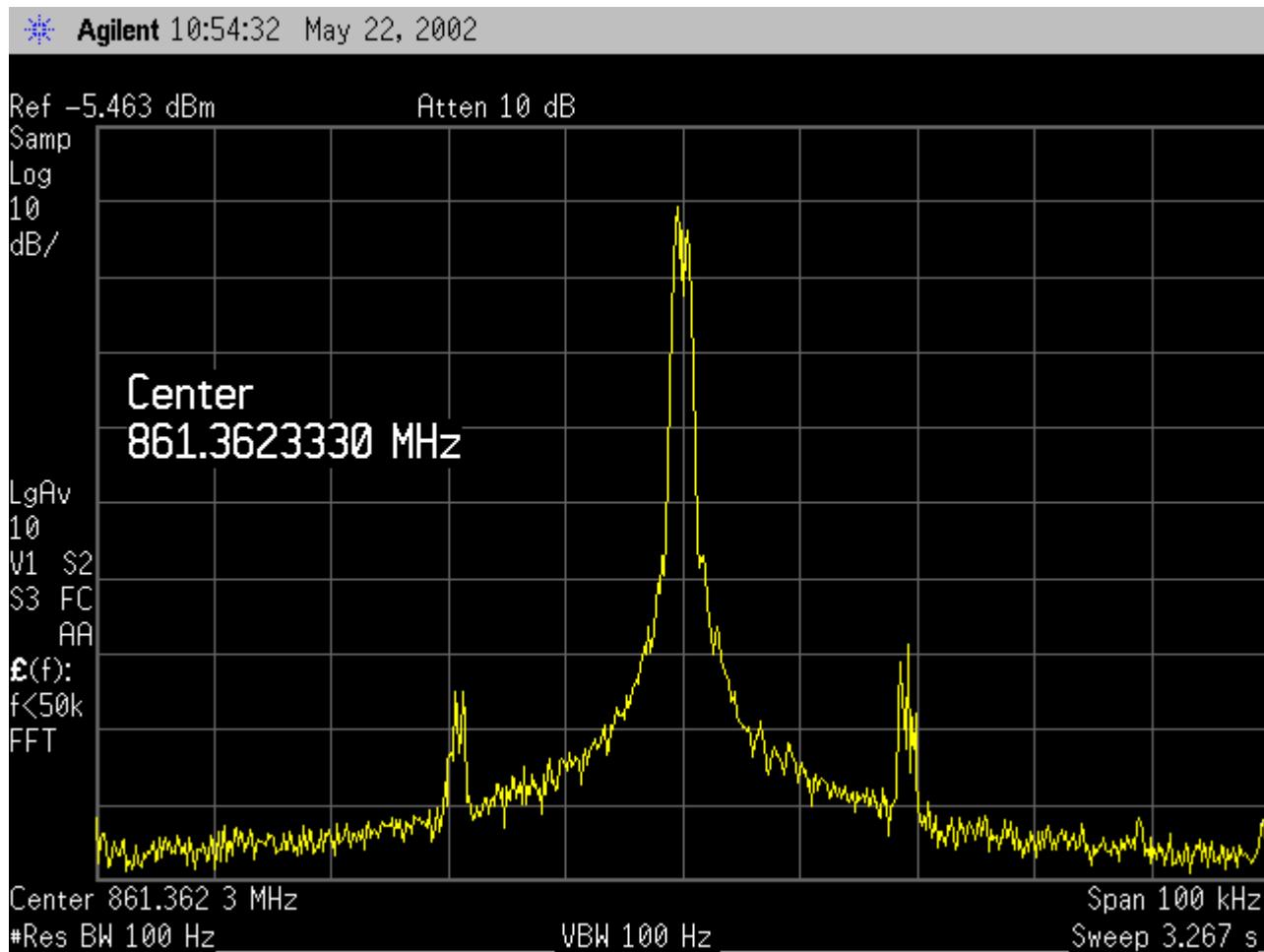
CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 415-OCF TALK AROUND

EMISSION MASK

CUSTOMER: M/A-COM

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

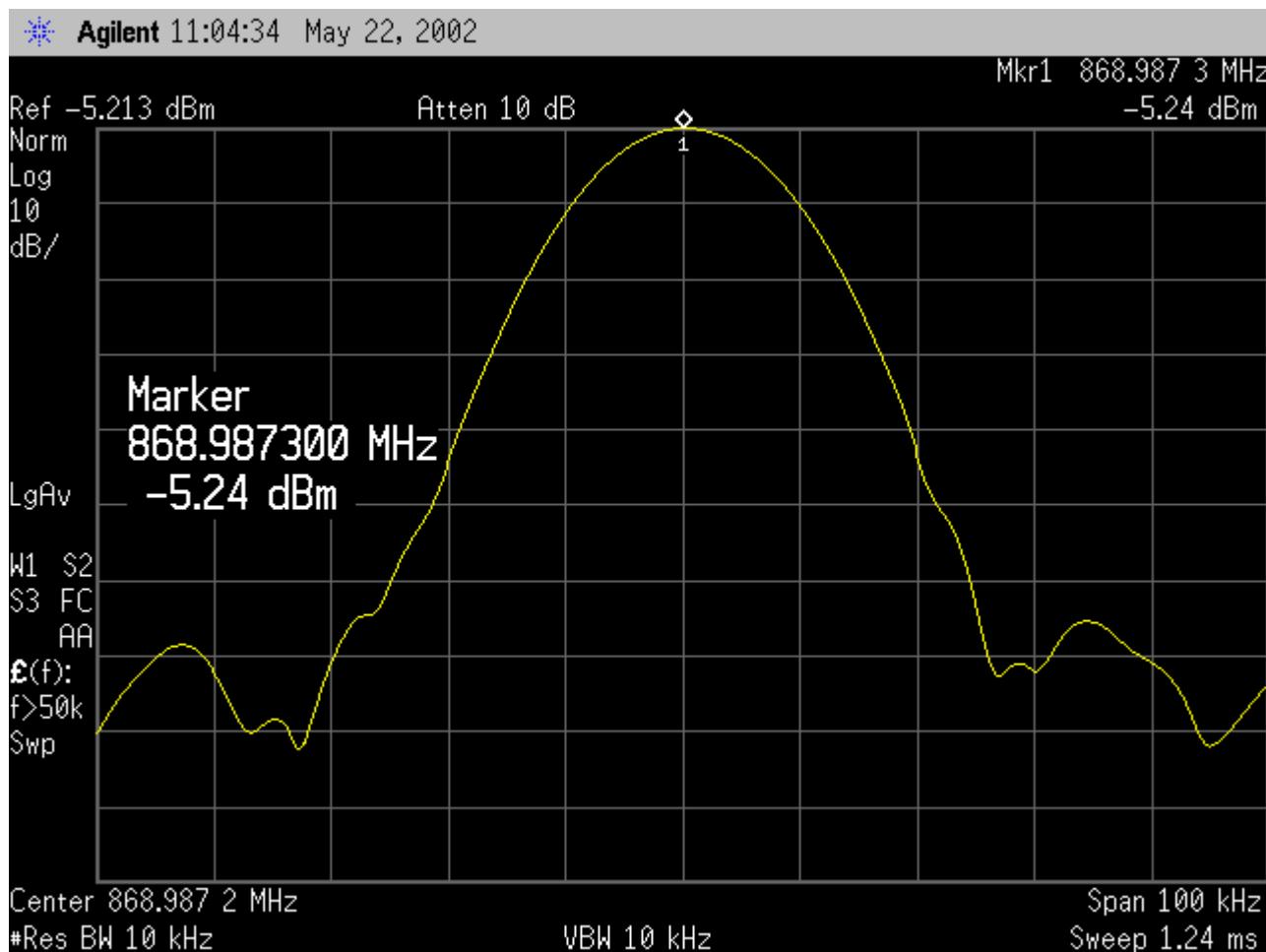
TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER

TRANSMIT MODE – CHANNEL 830-OCF TALK AROUND



EMISSION MASK

CUSTOMER: M/A-COM

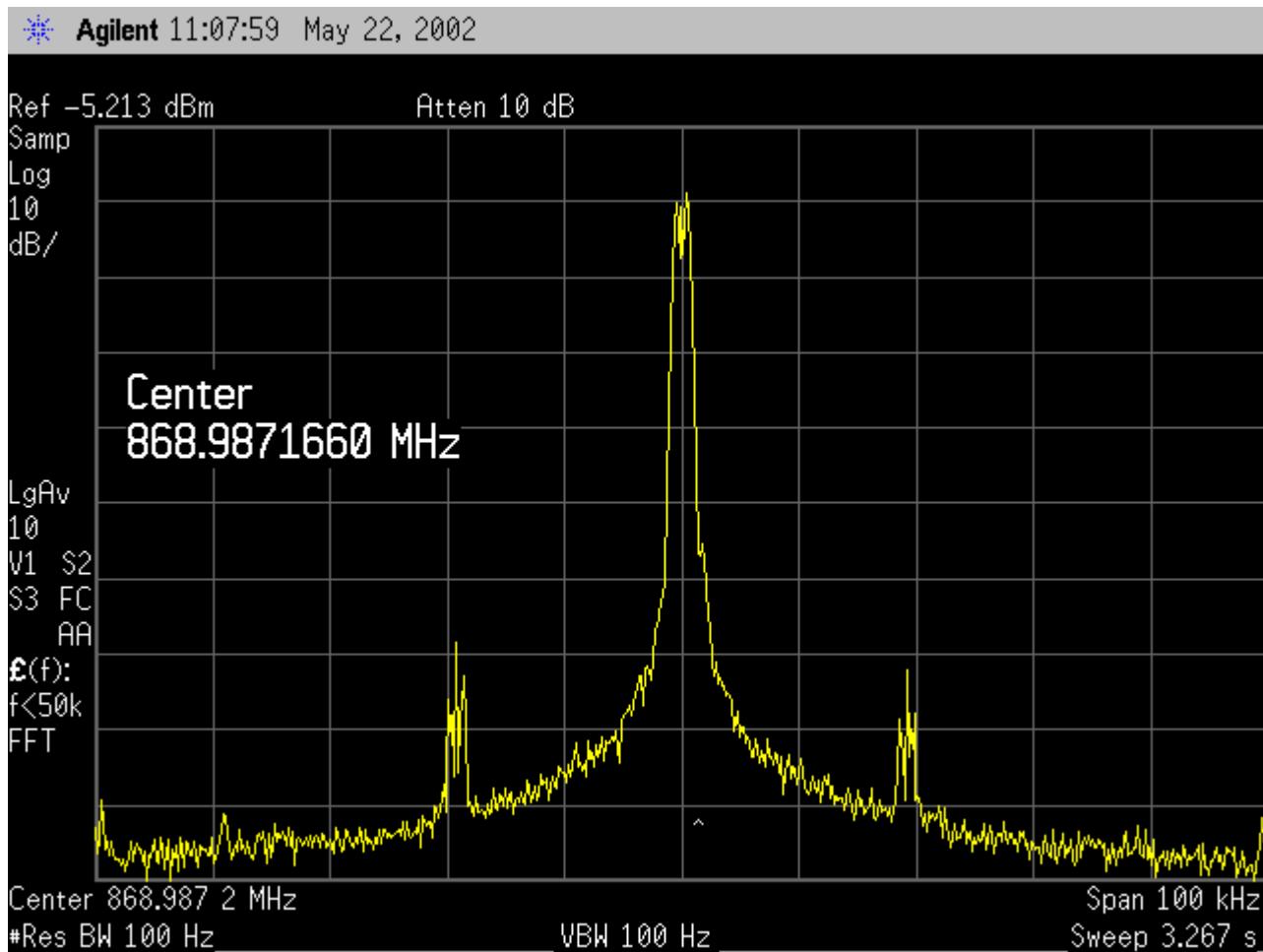
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

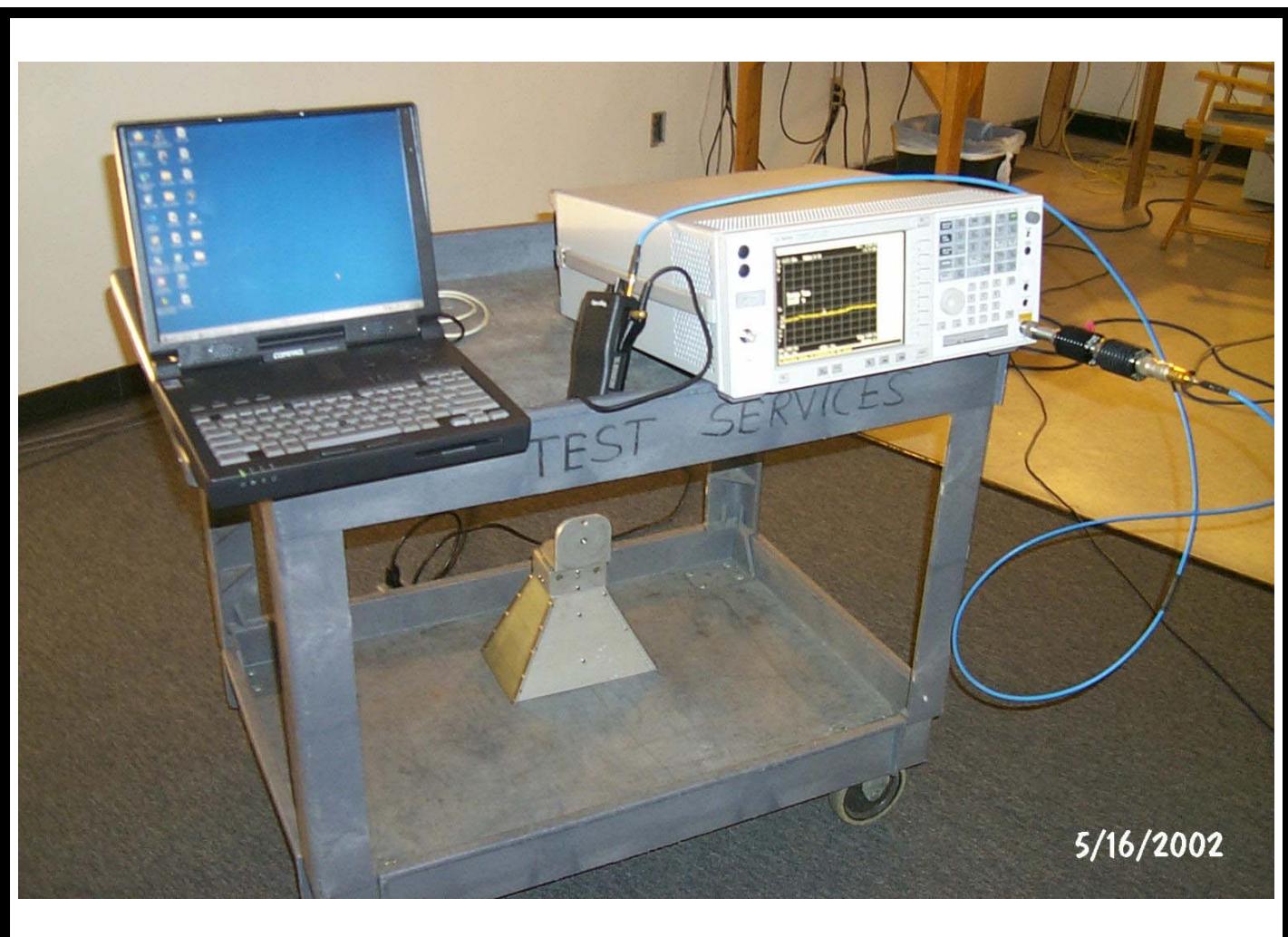
TESTED BY: MANUEL MARTINEZ

DATE: 05/16/02

TEST NUMBER: 6

OPERATING MODE: NORMAL FULL POWER TRANSMIT MODE – CHANNEL 830-OCF TALK AROUND



2.3.6 Photographic Documentation**CUSTOMER: M/A-COM****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****DATE: 05/14/02 AND 05/16/02****TEST NUMBER: 6****Photograph Description: Radiated set-up****FORM CTS-PHOTO**

2.4 Conducted Spurious at the Antenna Terminals

2.4.1 Equipment Used

Test Equipment		Asset #	Serial #	Cal Date
X	H/P E4401 Spectrum Analyzer	N/A	4895C76451	04/03
X	Narda 769-20 High Band Attenuator	284	03793	C.P.U.
X	Narda 769-20 High Band Attenuator	471	02951	C.P.U.

2.4.2 Test Conditions

The conducted spurious emission at the antenna terminals was measured with the OpenSky P800 Portable Radio placed on top of a wooded turntable located in Test Site A. See Figure 5 for the test setup.

The OpenSky P800 Portable Radio was configured to operate in all three modes of operation transmitting at the low, mid and high frequency of each band. The OpenSky P800 Portable Radio was set up and powered by a fully charged battery for the test.

The modes of operation and frequencies tested are as follows:

OCF Mode	OTP Mode	OCF Talk Around
Ch# 1 806.0125MHz	Ch# 1 806.0125MHz	Ch# 1 851.0125MHz
Ch# 415 816.3625MHz	Ch# 415 816.3625MHz	Ch# 415 861.3625MHz
Ch# 830 823.9875MHz	Ch# 830 823.9875MHz	Ch# 830 868.9875MHz

2.4.3 Test Method

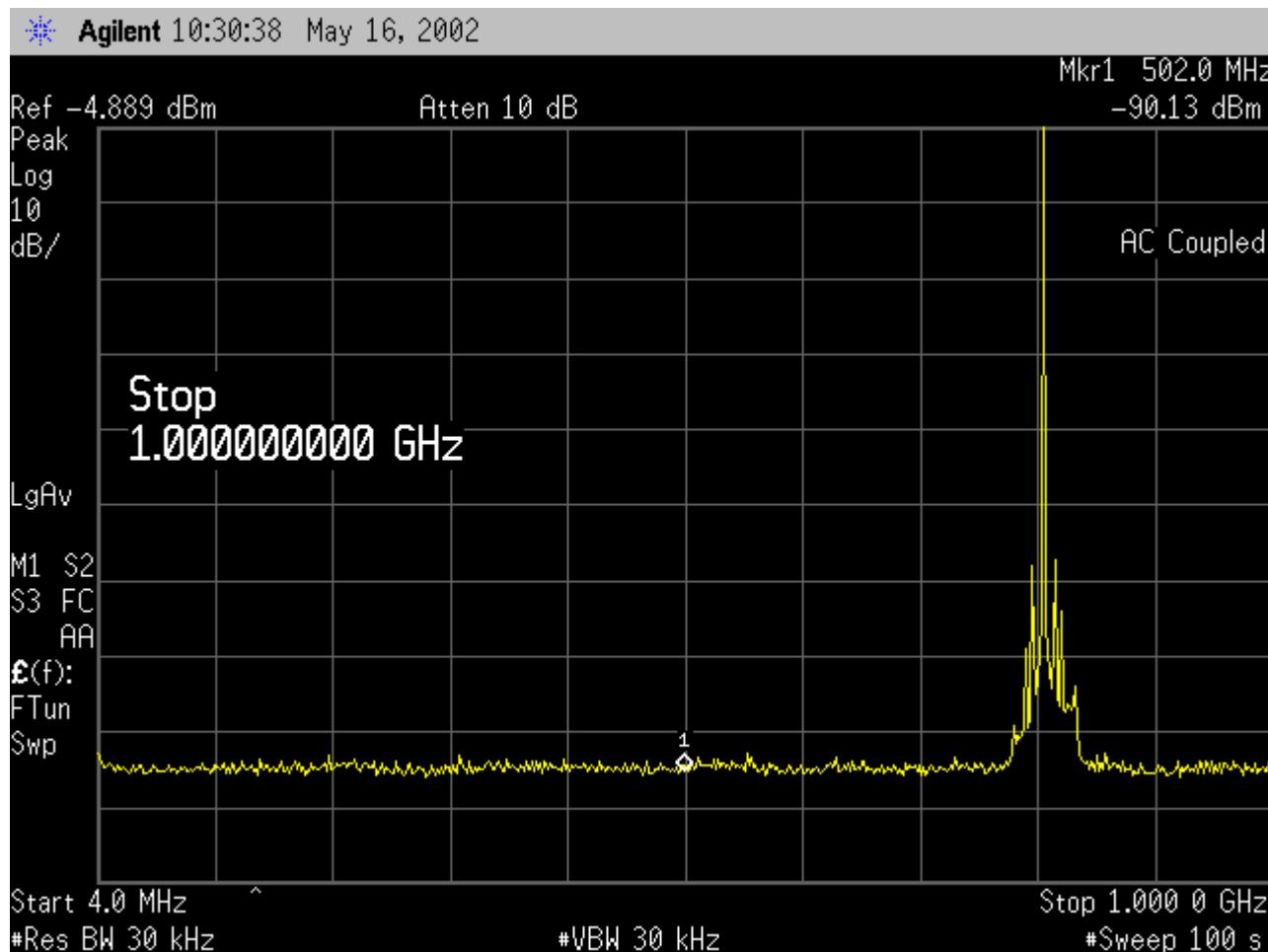
The output of the OpenSky P800 Portable Radio was connected to a spectrum analyzer via a N-Type cable and 40dB of attenuation. The P800 was set up to transmit with the desired modulation and maximum power. Two frequency scans were performed, 4MHz to 1GHz and 1GHz to 9GHz. The output of the OpenSky radio was compared to Part 90.210 Emission Mask H paragraph 5. *“The power of any emission must be below the unmodulated carrier power (P). On any frequency removed from the center frequency of the authorized bandwidth by more than 25kHz, At least $43 + 10\log(P)$ ”.*

2.4.4 Results

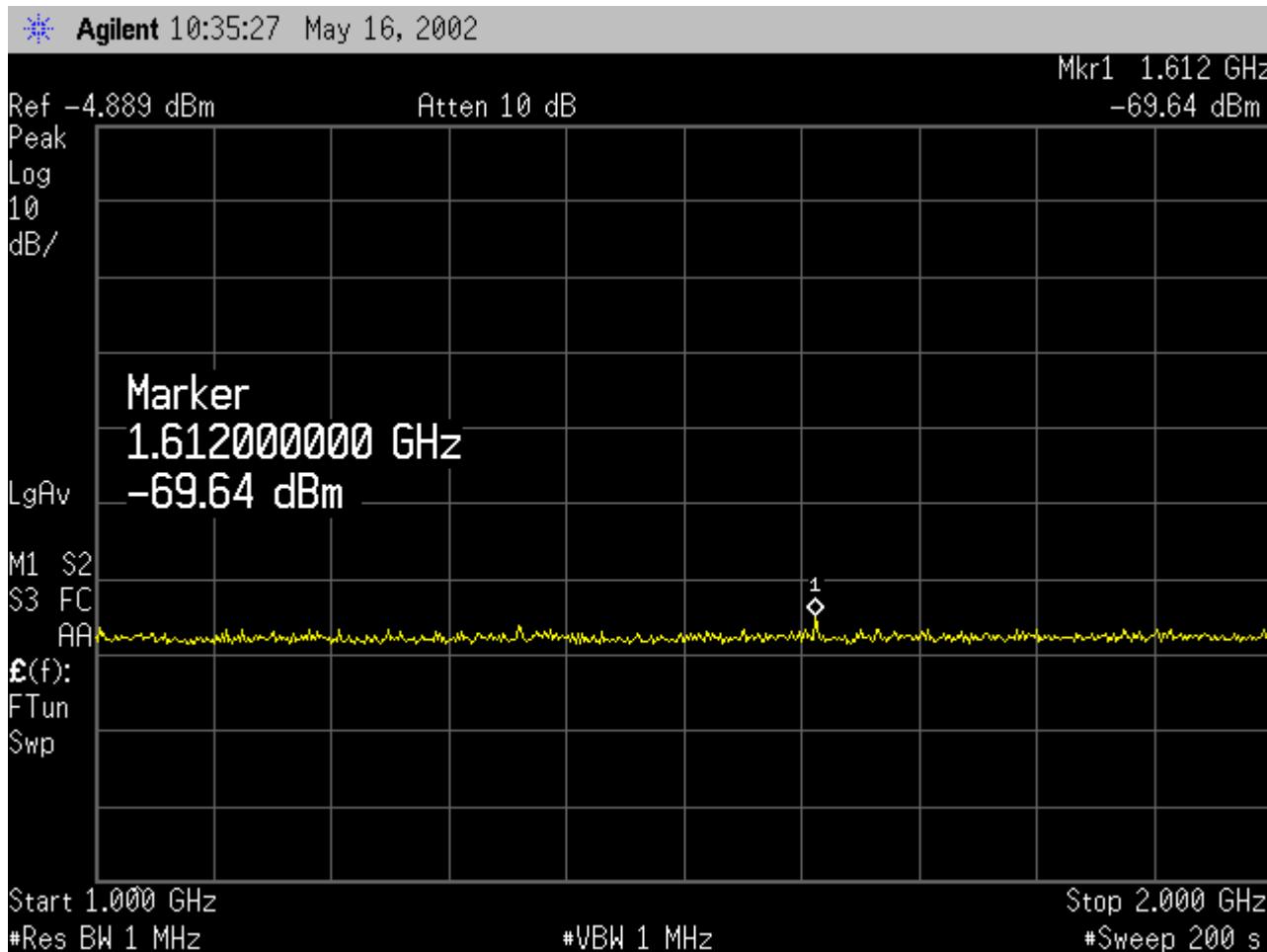
The M/A-Com OpenSky P800 Portable Radio met the requirements of Part 90.210 Emissions Mask H paragraph 5.

2.4.5 Test Data

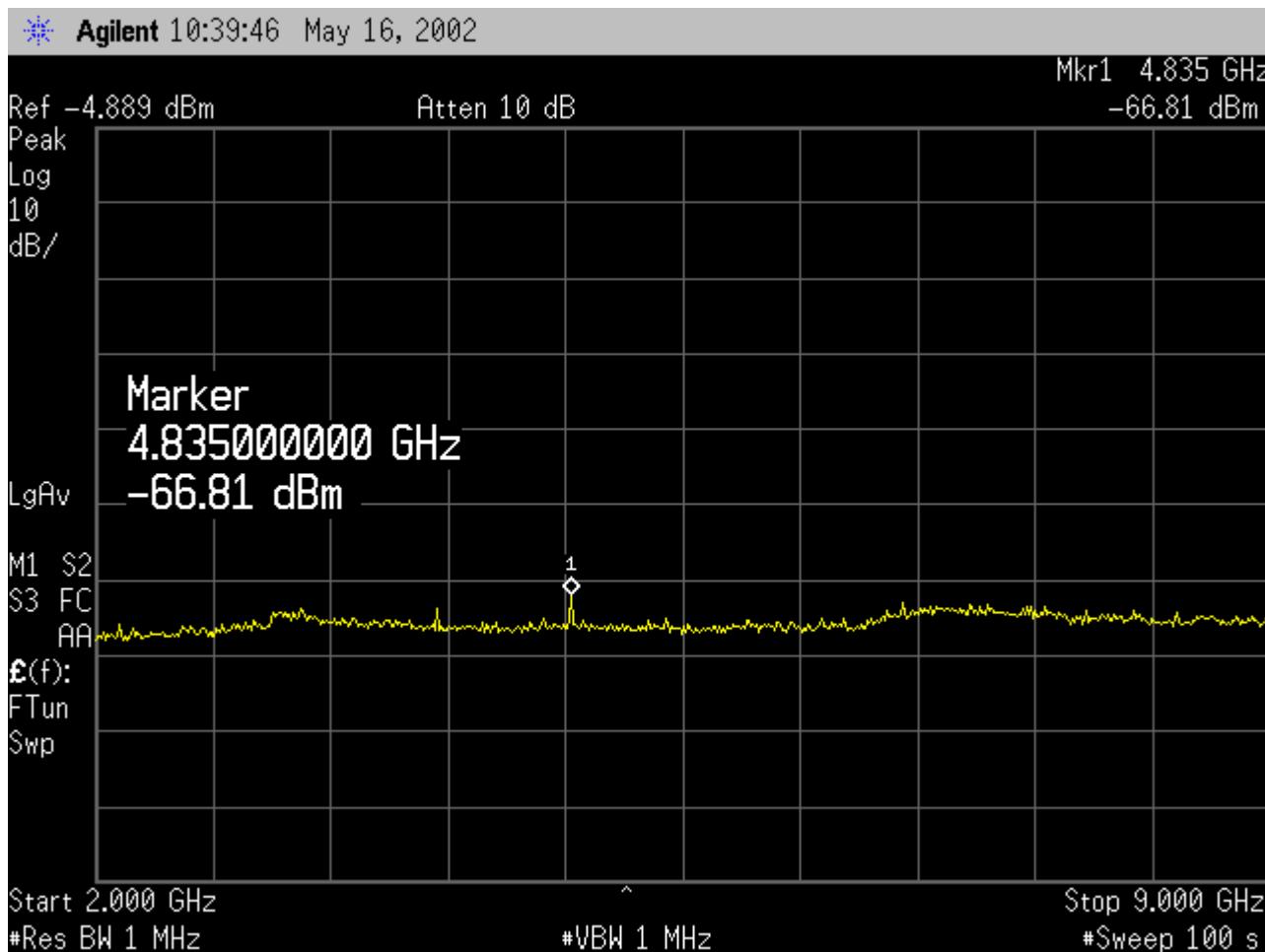
CONDUCTED SPURIOUS

CUSTOMER: M/A-COM**EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TESTED BY: MANUEL MARTINEZ****DATE: 05/16/02****TEST NUMBER: 1****OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OTP**

CONDUCTED SPURIOUS

CUSTOMER: M/A-COM**DATE: 05/16/02****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TEST NUMBER: 1****TESTED BY: MANUEL MARTINEZ****OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OTP**

CONDUCTED SPURIOUS

CUSTOMER: M/A-COM**DATE: 05/16/02****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TEST NUMBER: 1****TESTED BY: MANUEL MARTINEZ****OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OTP**

CONDUCTED SPURIOUS

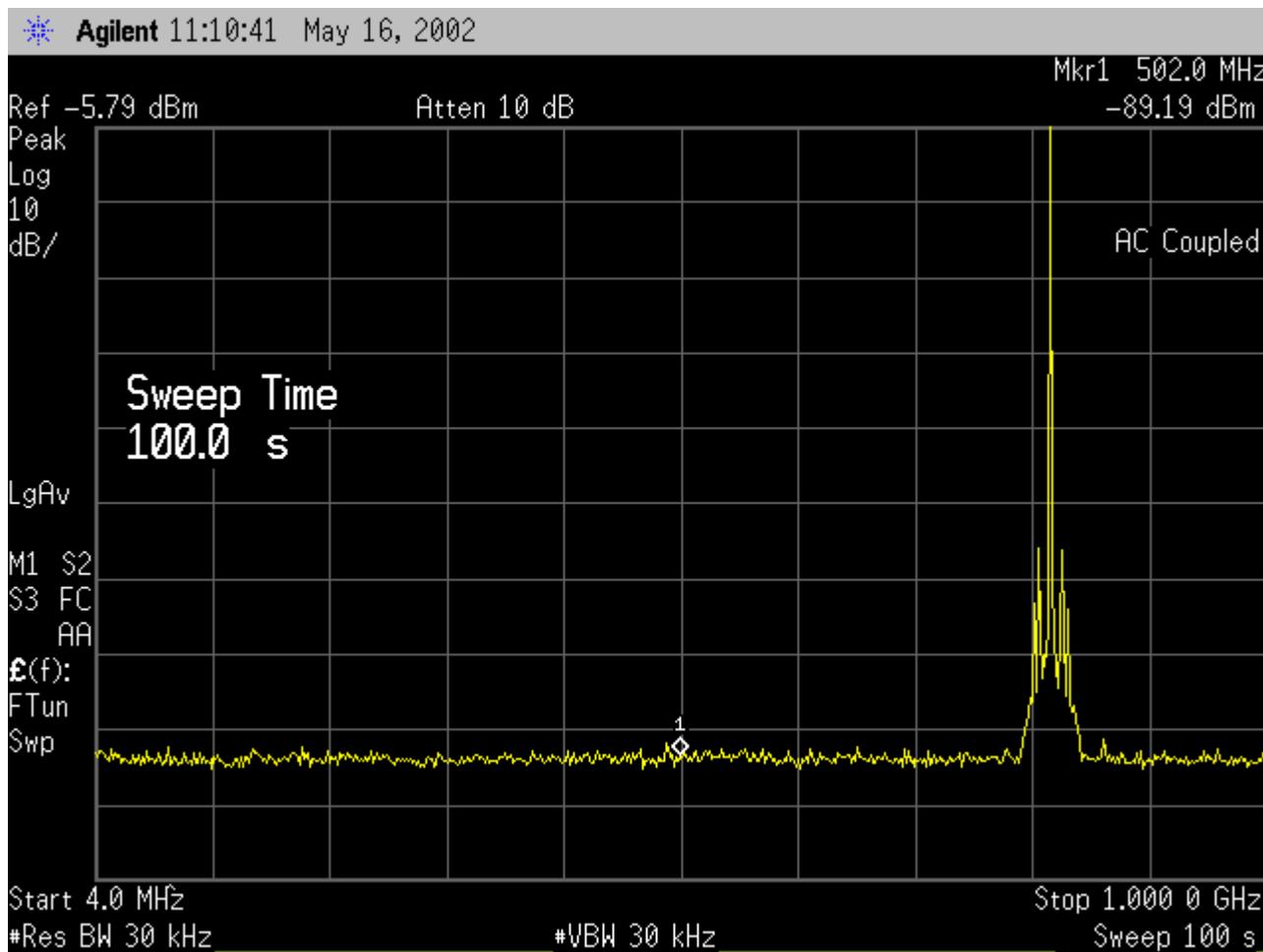
CUSTOMER: M/A-COM

DATE: 05/16/02

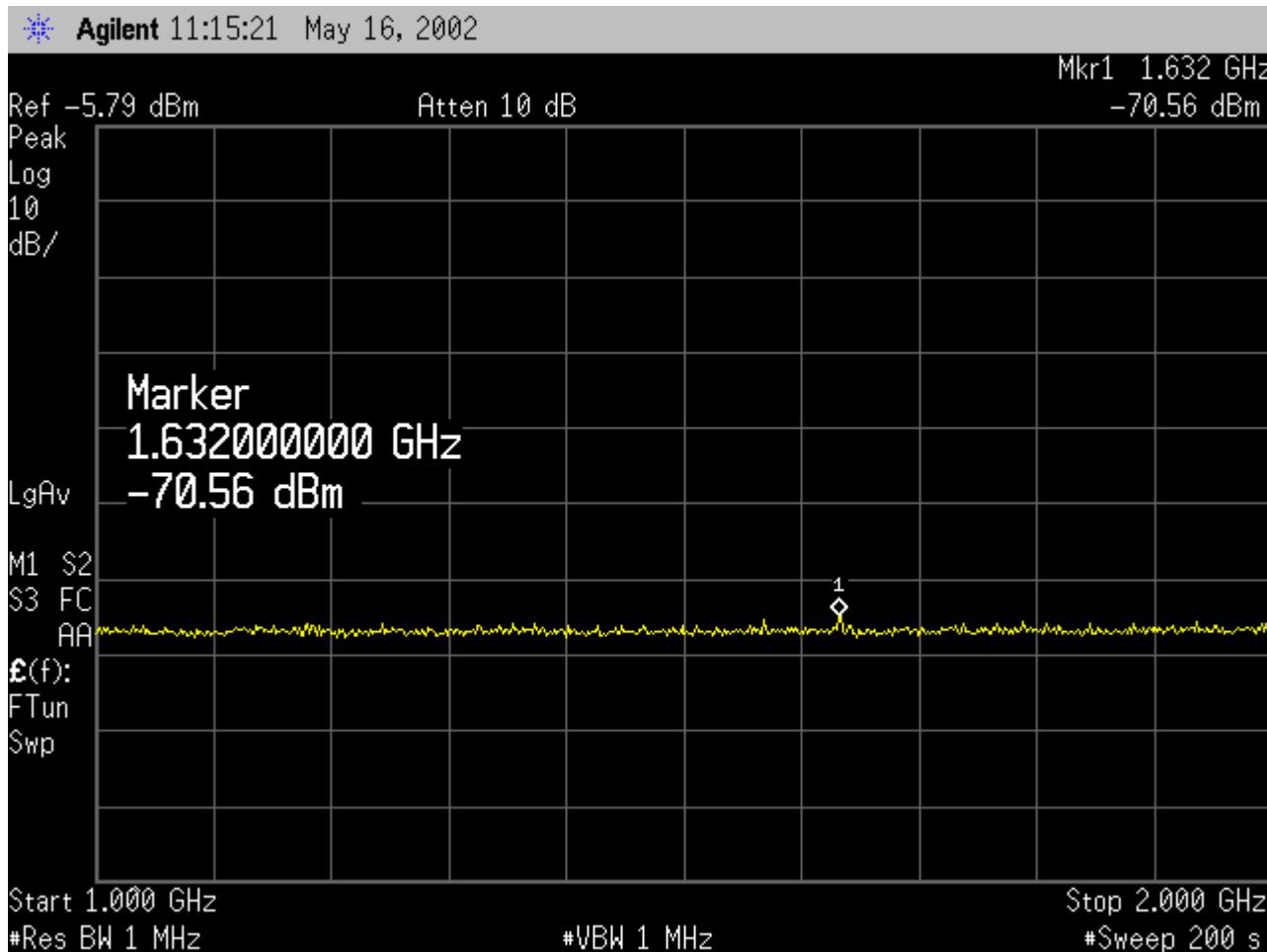
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

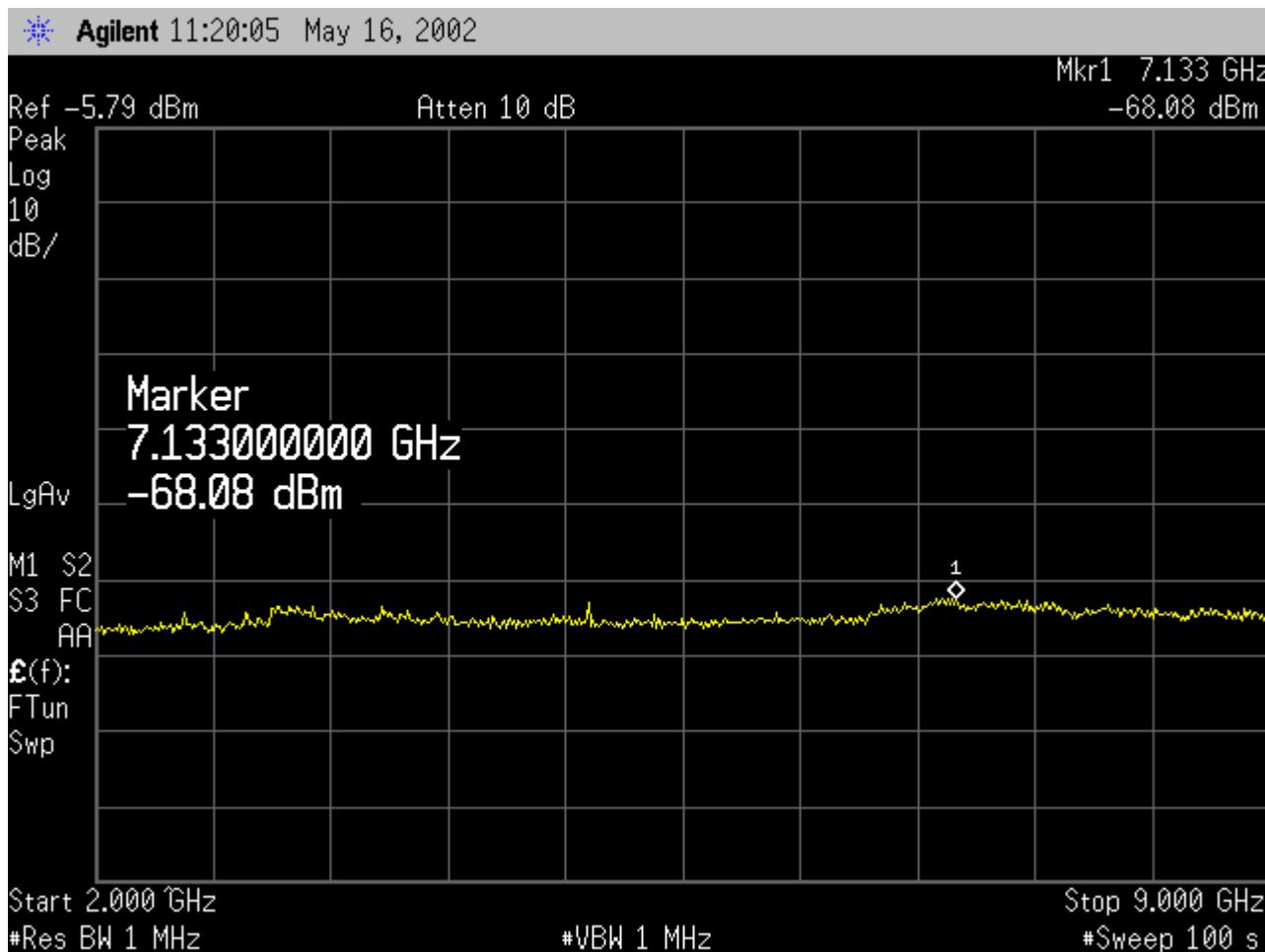
TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 415-OTP

CONDUCTED SPURIOUS

CUSTOMER: M/A-COM**DATE: 05/16/02****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TEST NUMBER: 1****TESTED BY: MANUEL MARTINEZ****OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 415-OTP**

CONDUCTED SPURIOUS

CUSTOMER: M/A-COM**DATE: 05/16/02****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TEST NUMBER: 1****TESTED BY: MANUEL MARTINEZ****OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 415-OTP**

CONDUCTED SPURIOUS

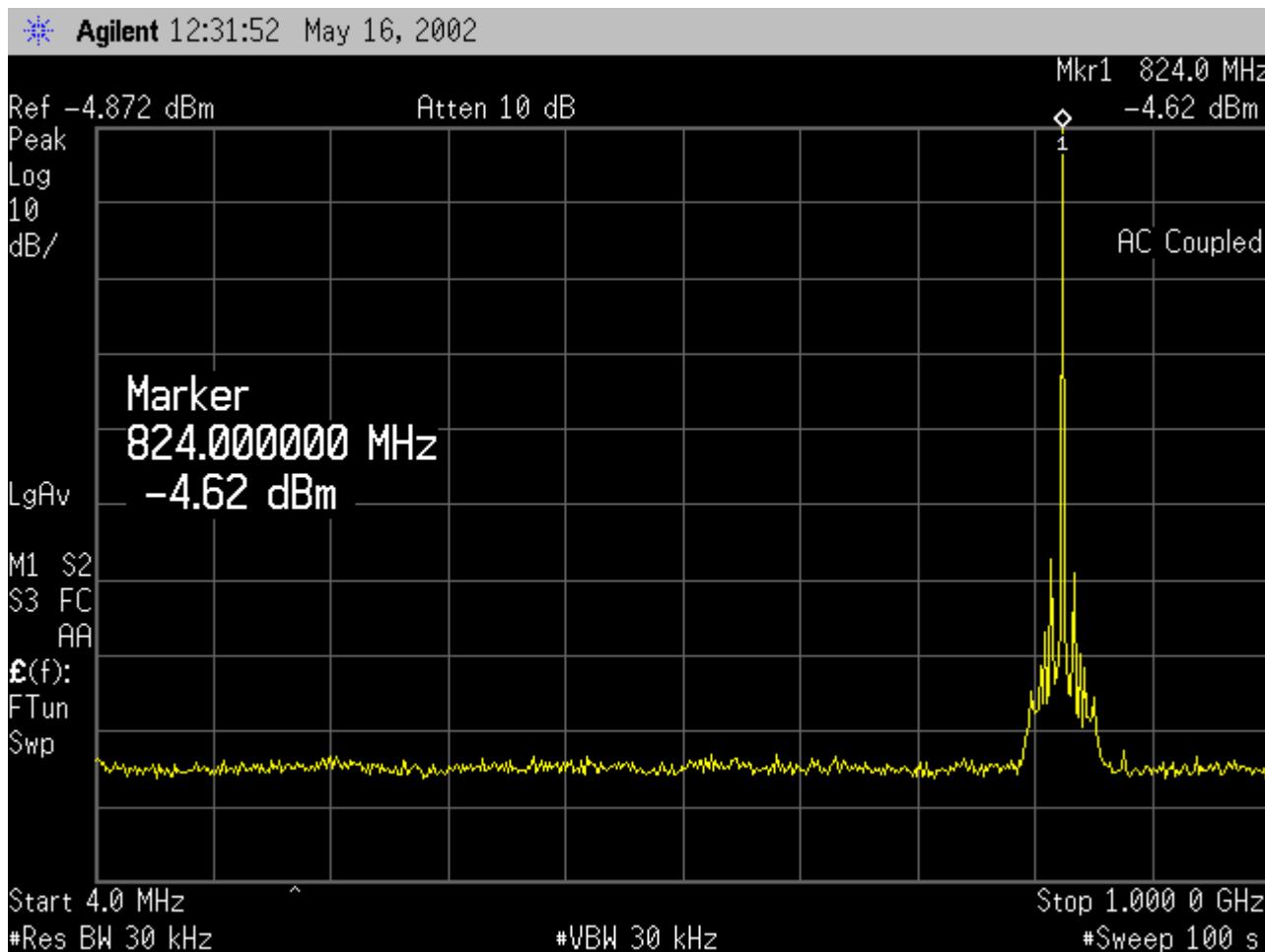
CUSTOMER: M/A-COM

DATE: 05/16/02

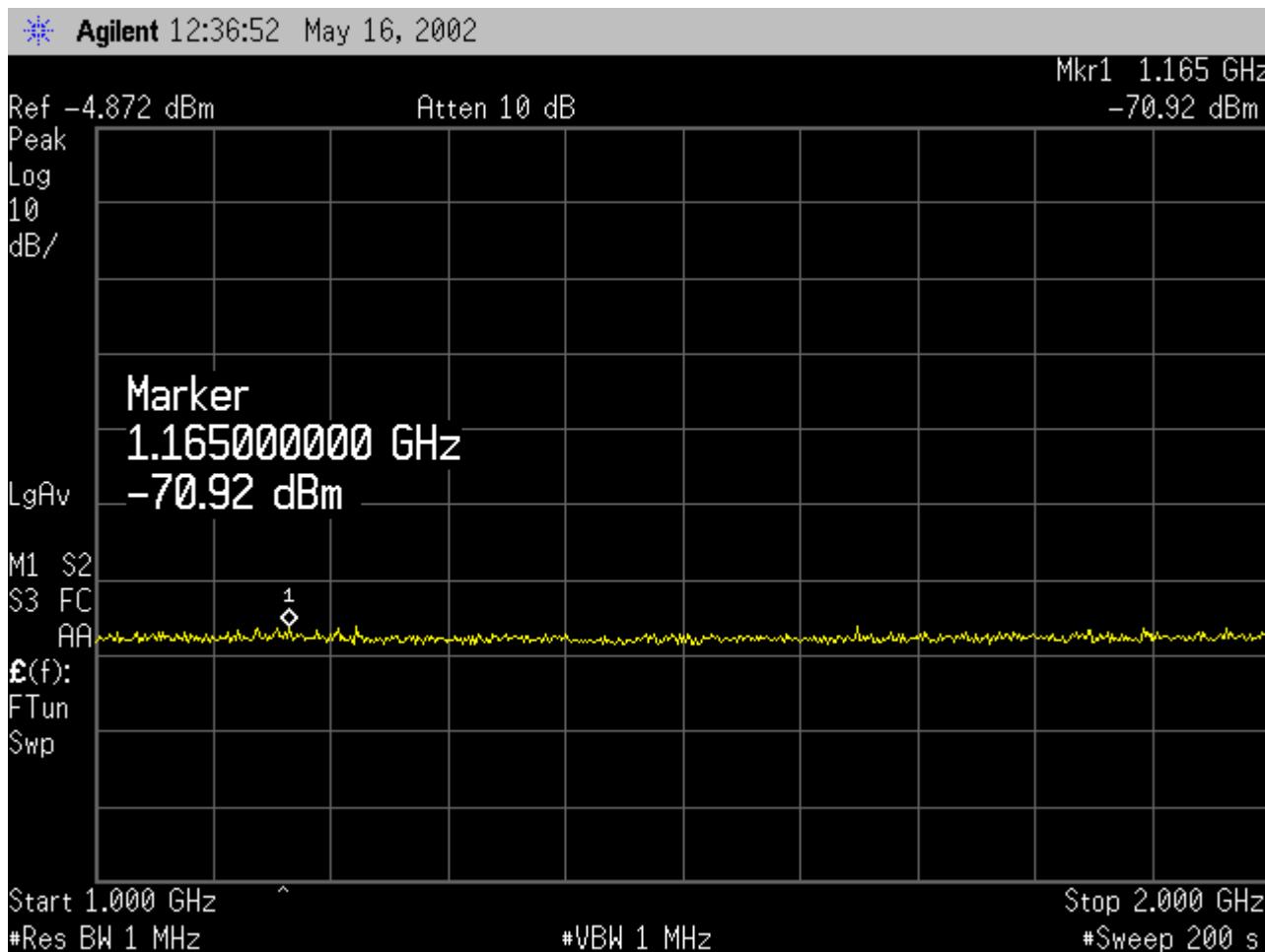
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 830-OTP

CONDUCTED SPURIOUS

CUSTOMER: M/A-COM**DATE: 05/16/02****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TEST NUMBER: 1****TESTED BY: MANUEL MARTINEZ****OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 830-OTP**

CONDUCTED SPURIOUS

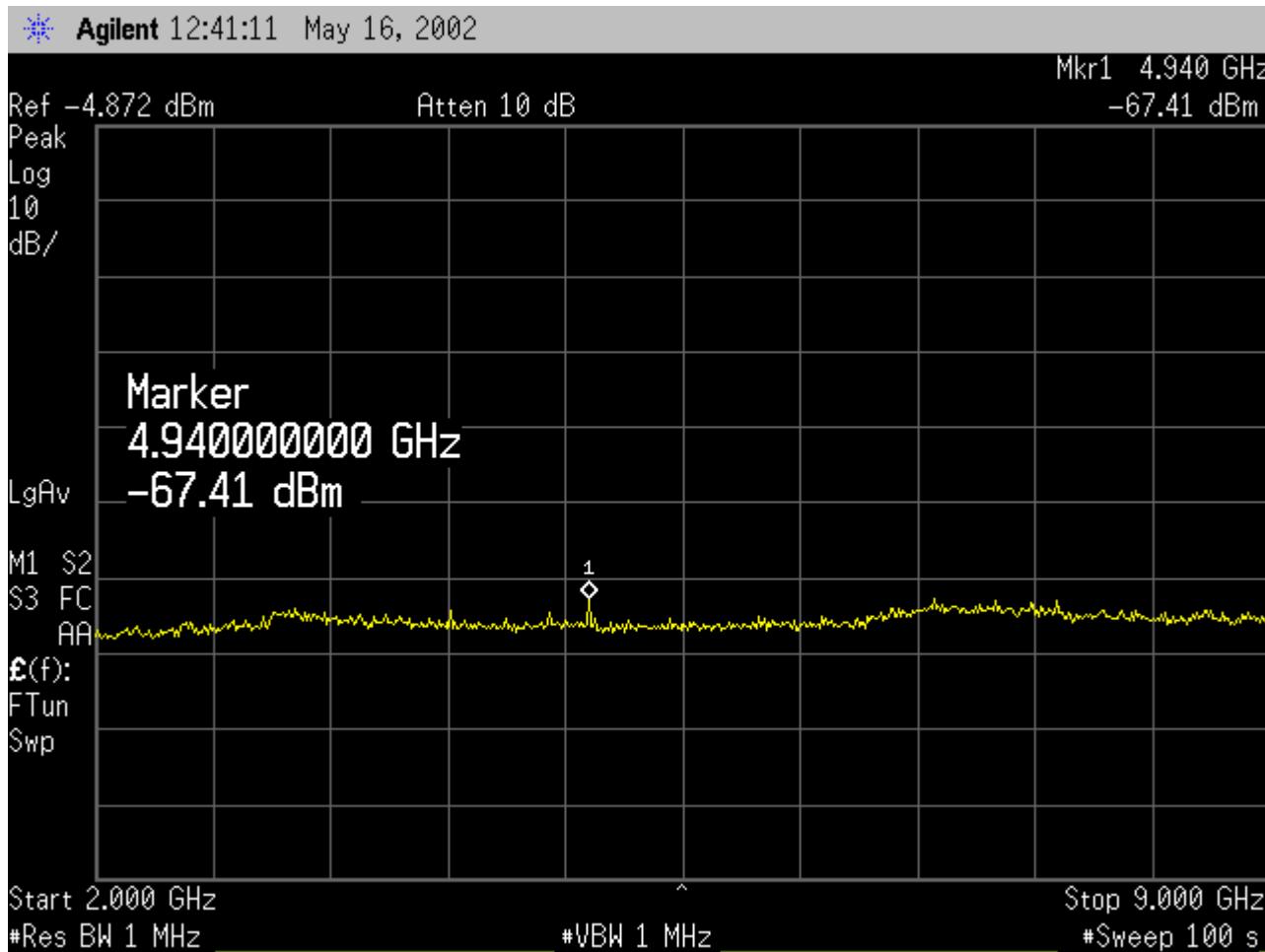
CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 830-OTP

CONDUCTED SPURIOUS

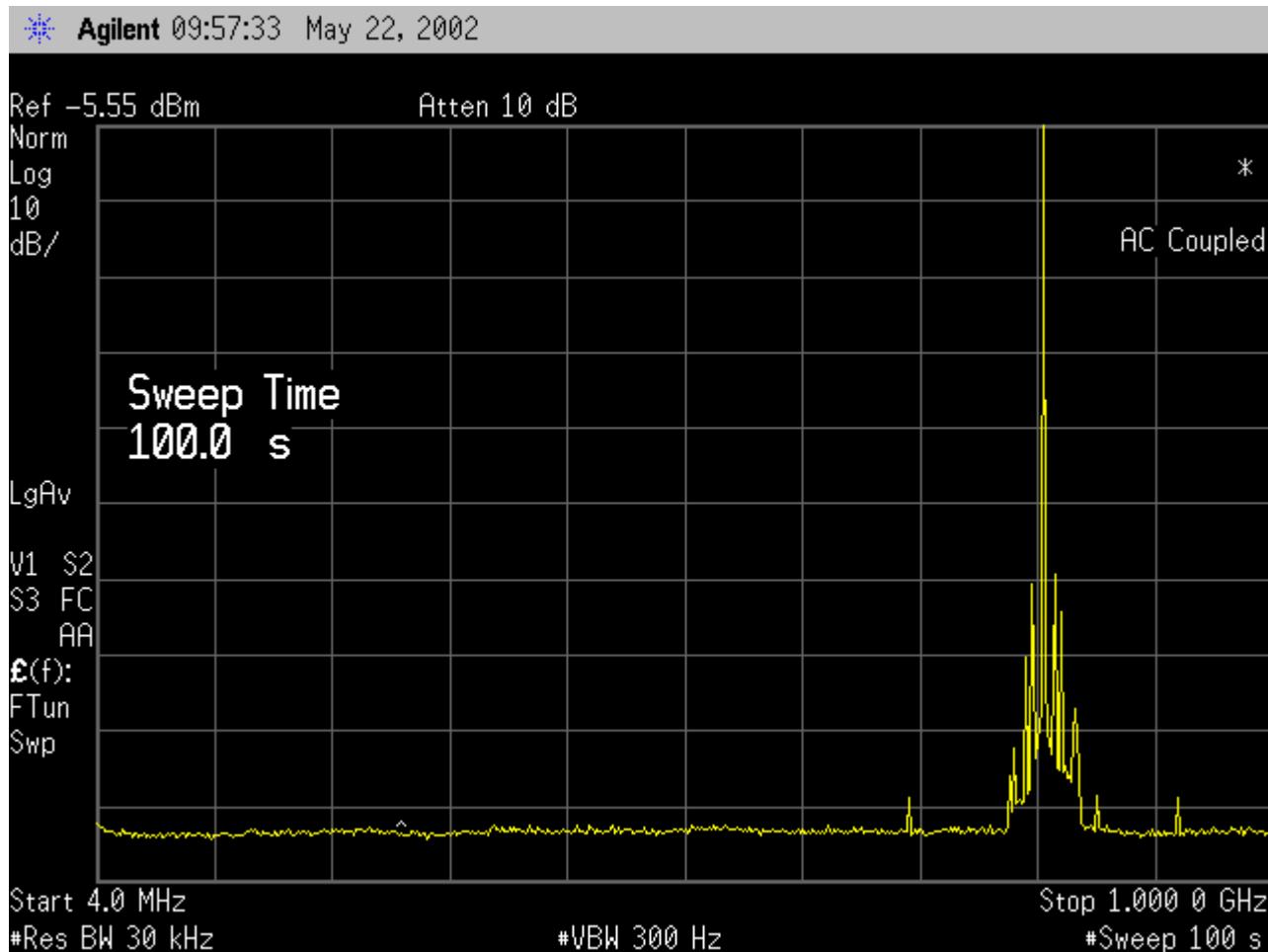
CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OCF

CONDUCTED SPURIOUS

CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OCF

CONDUCTED SPURIOUS

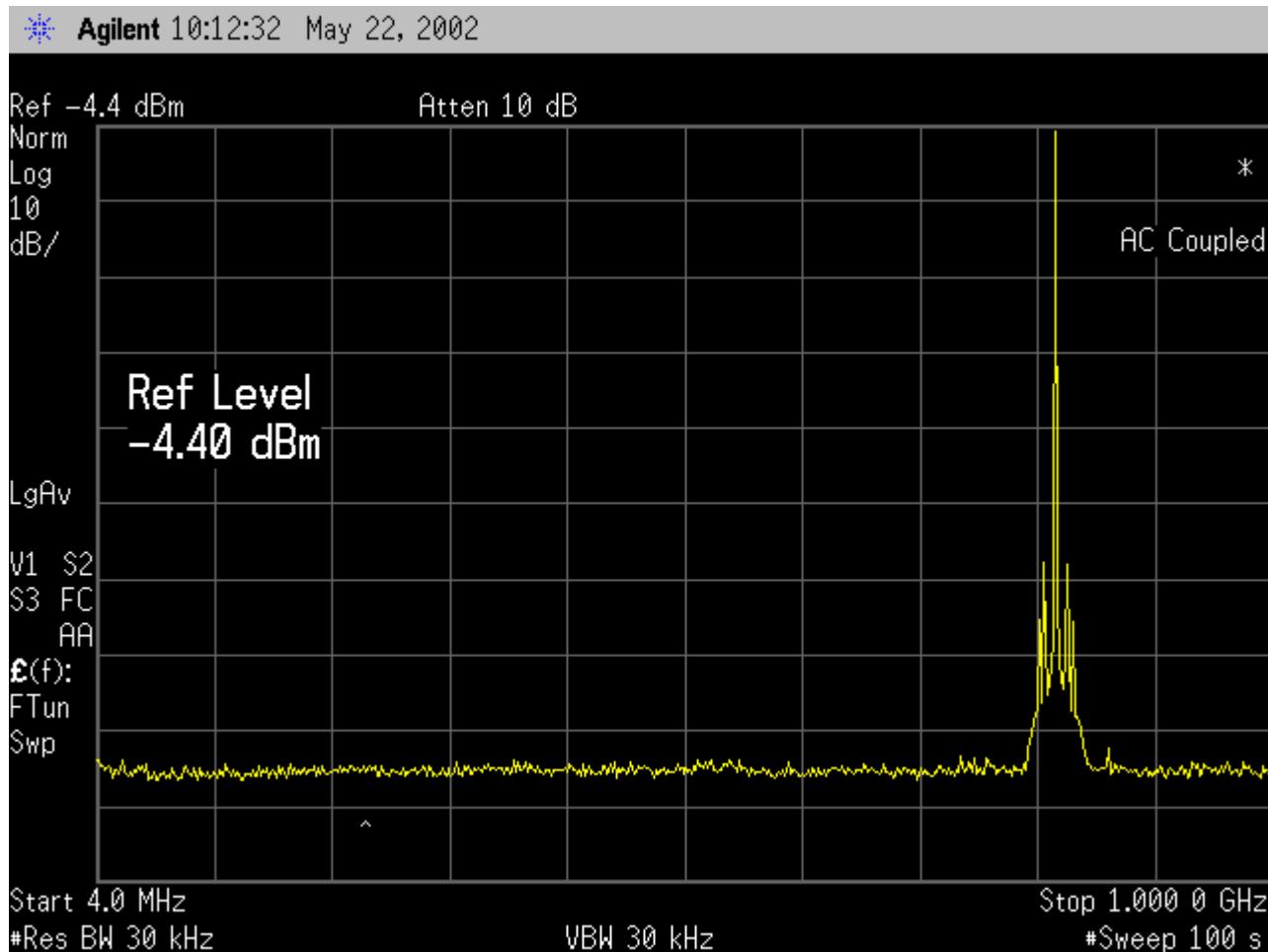
CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 415-OCF

CONDUCTED SPURIOUS

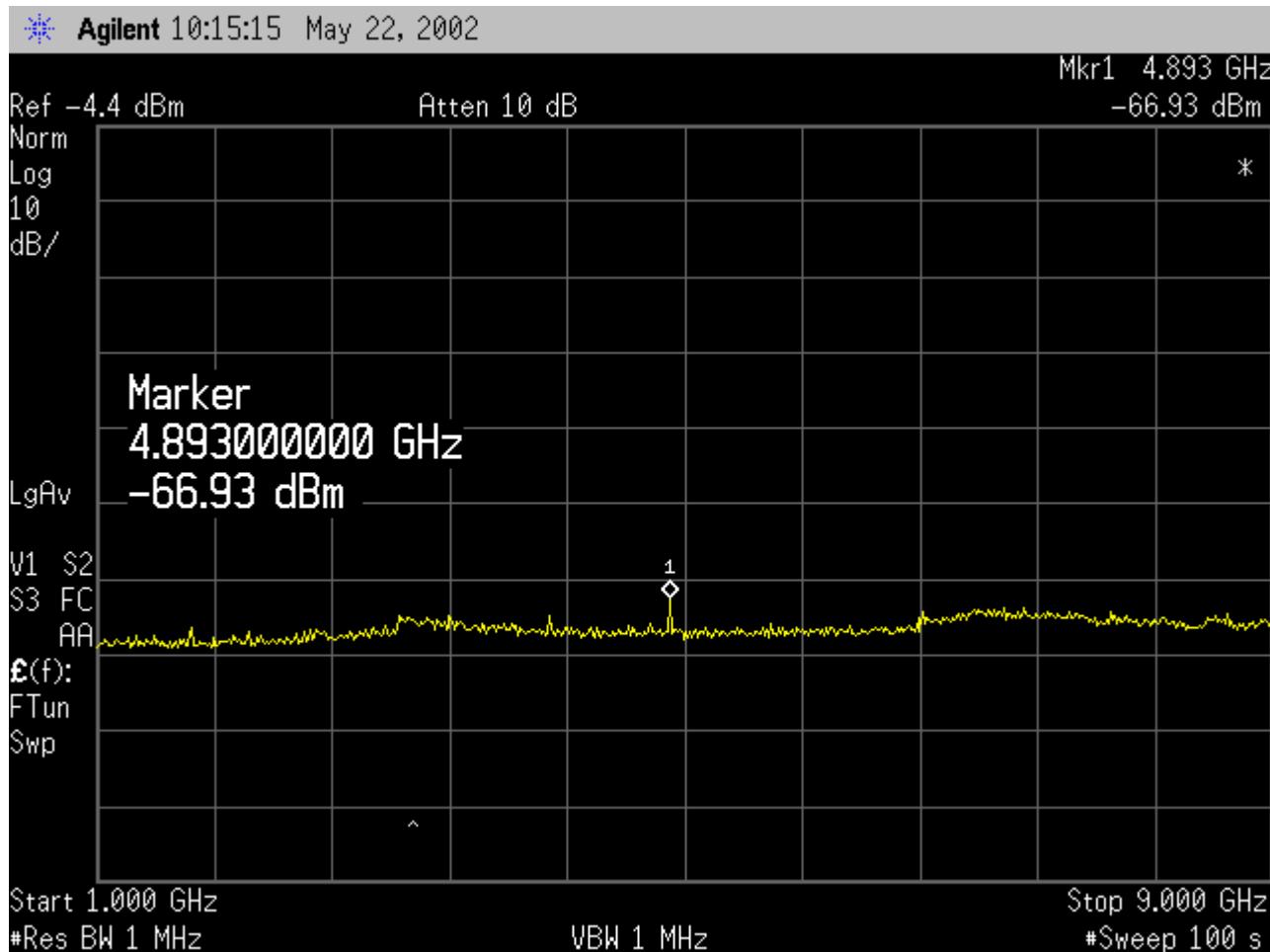
CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 415-OCF

CONDUCTED SPURIOUS

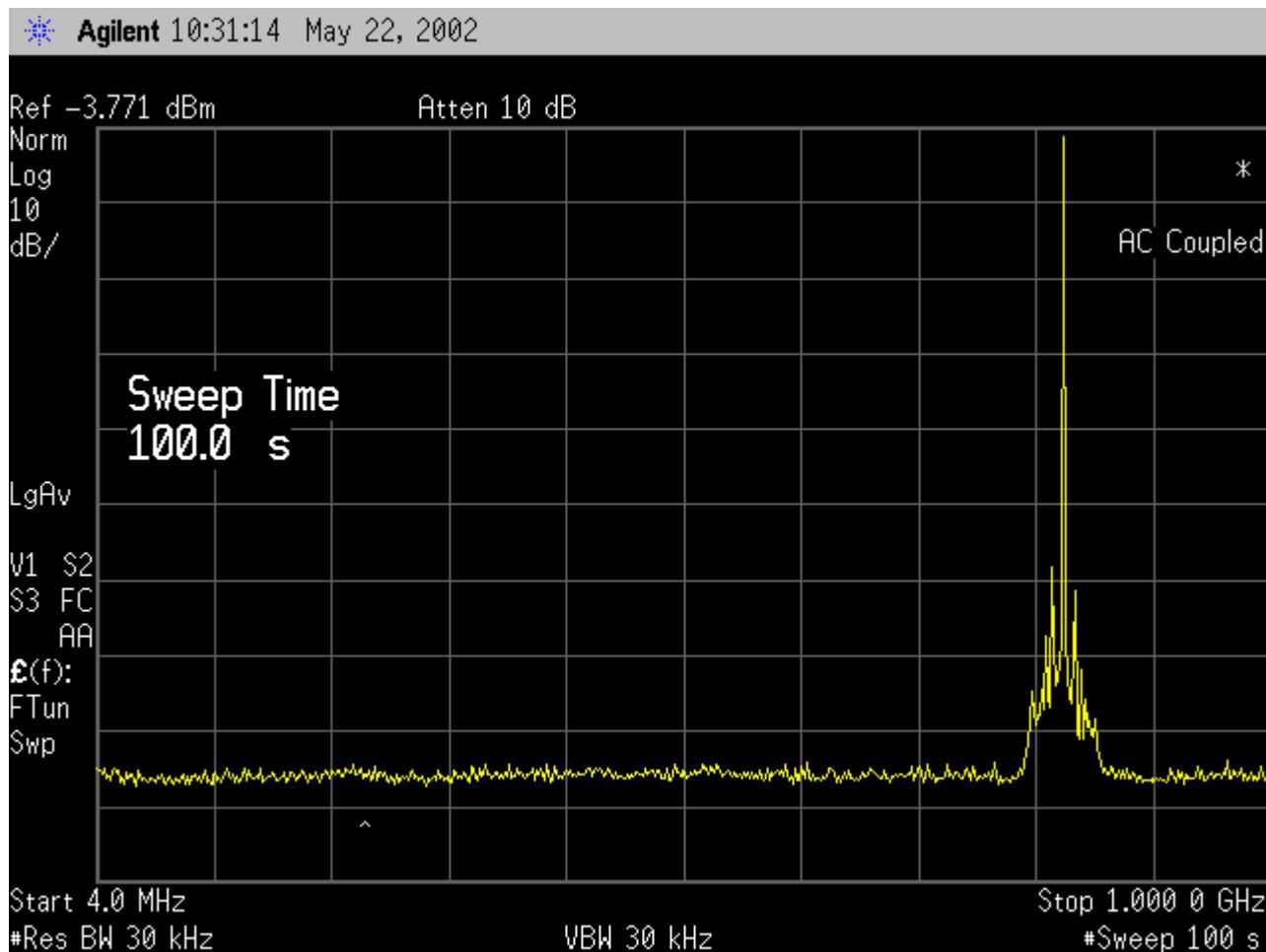
CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 830-OCF

CONDUCTED SPURIOUS

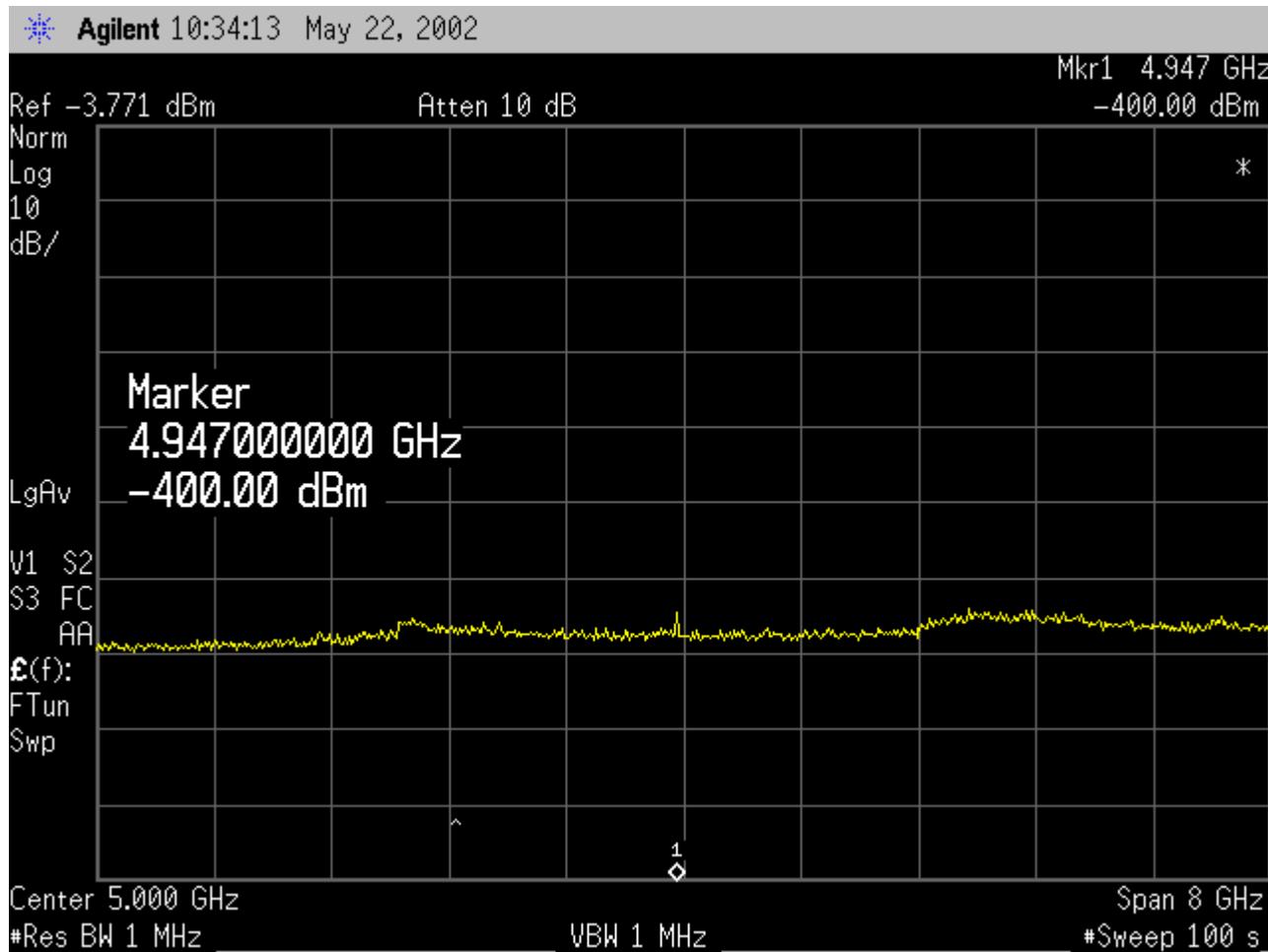
CUSTOMER: M/A-COM

DATE: 05/16/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 830-OCF

CONDUCTED SPURIOUS

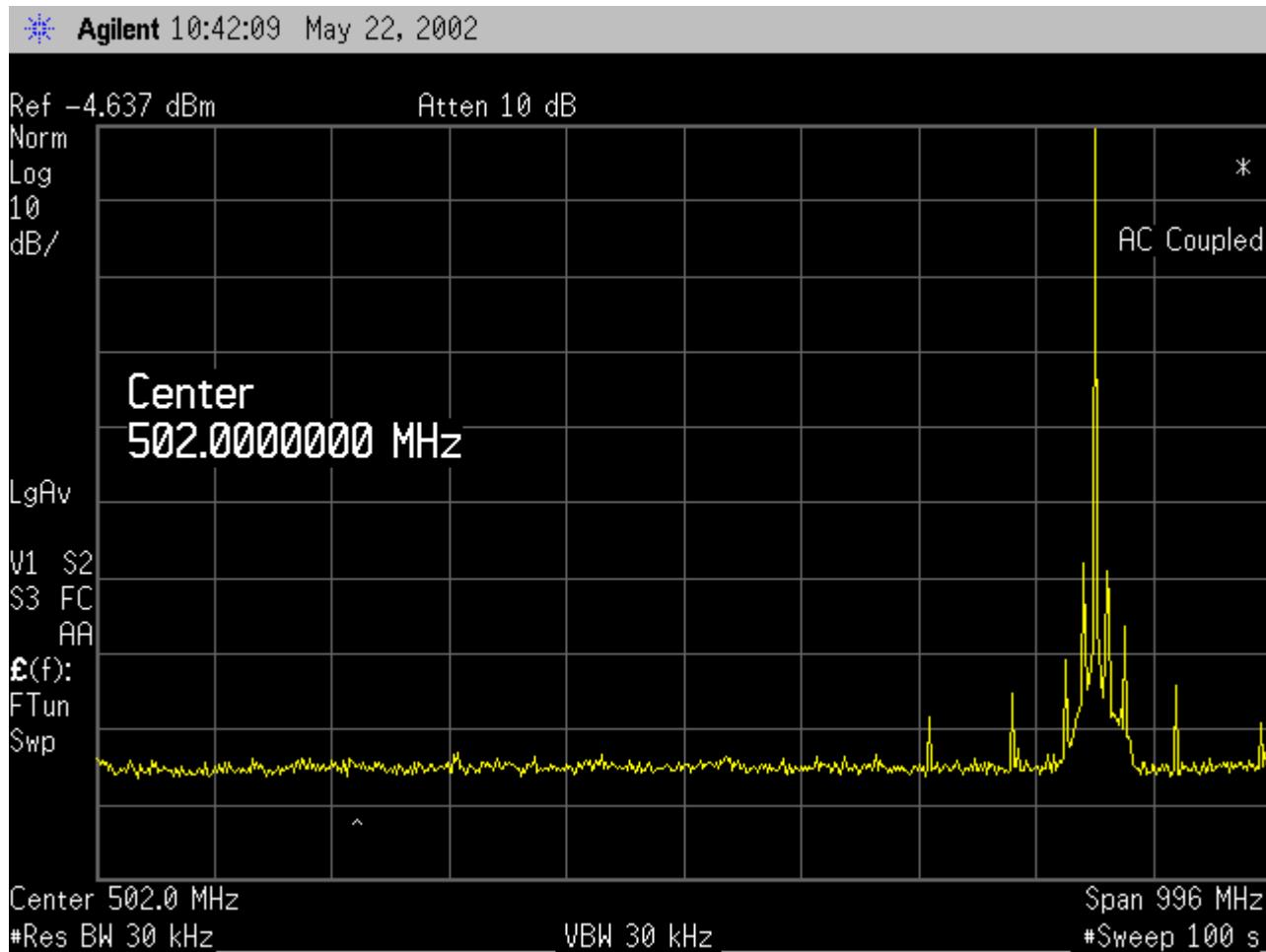
CUSTOMER: M/A-COM

DATE: 05/16/02

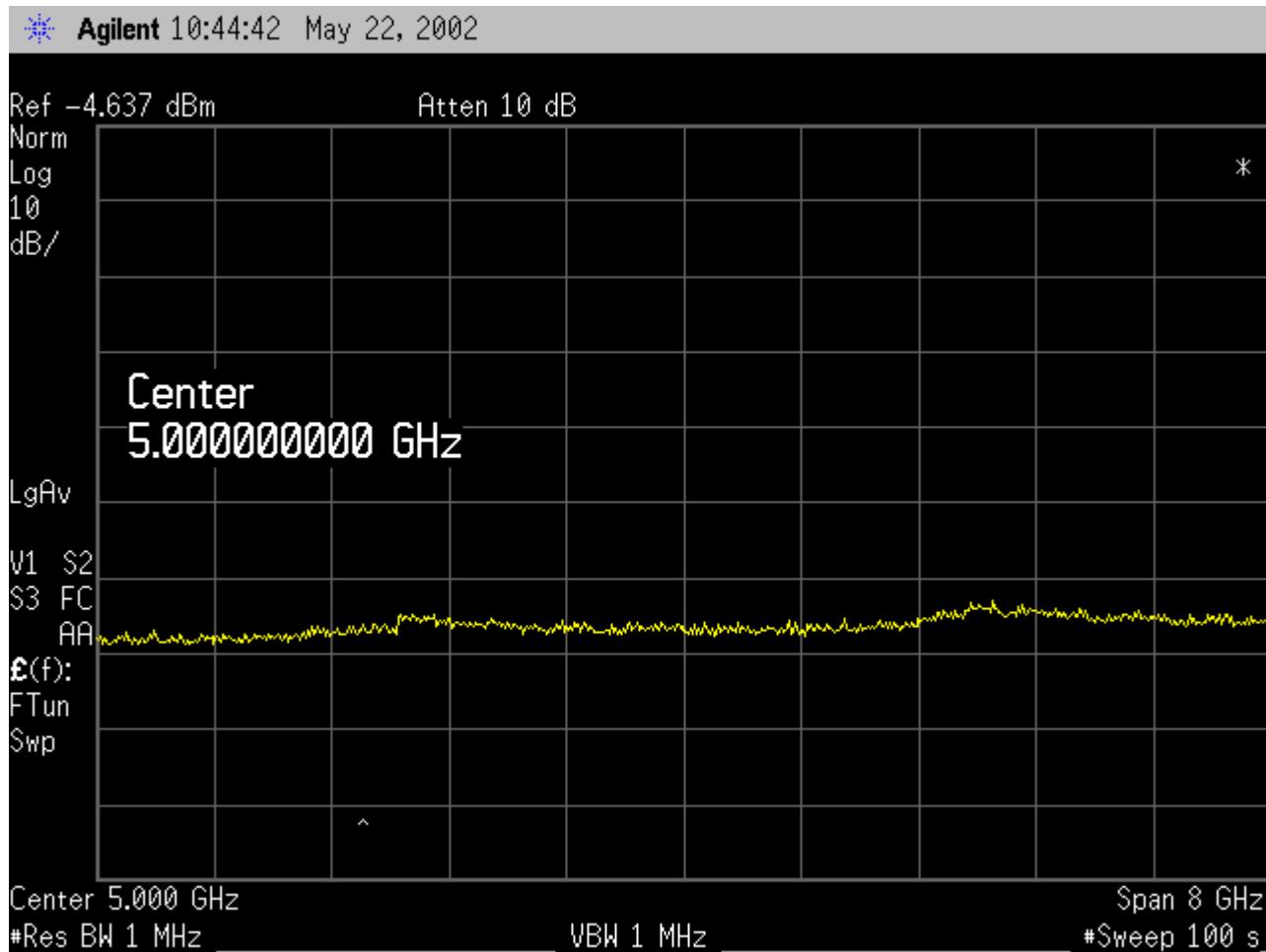
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OCF TALK AROUND

CONDUCTED SPURIOUS

CUSTOMER: M/A-COM**DATE: 05/16/02****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TEST NUMBER: 1****TESTED BY: MANUEL MARTINEZ****OPERATING MODE: NORMAL FULL POWER
TRANSMIT MODE – CHANNEL 1-OCF TALK AROUND**

CONDUCTED SPURIOUS

CUSTOMER: M/A-COM

DATE: 05/16/02

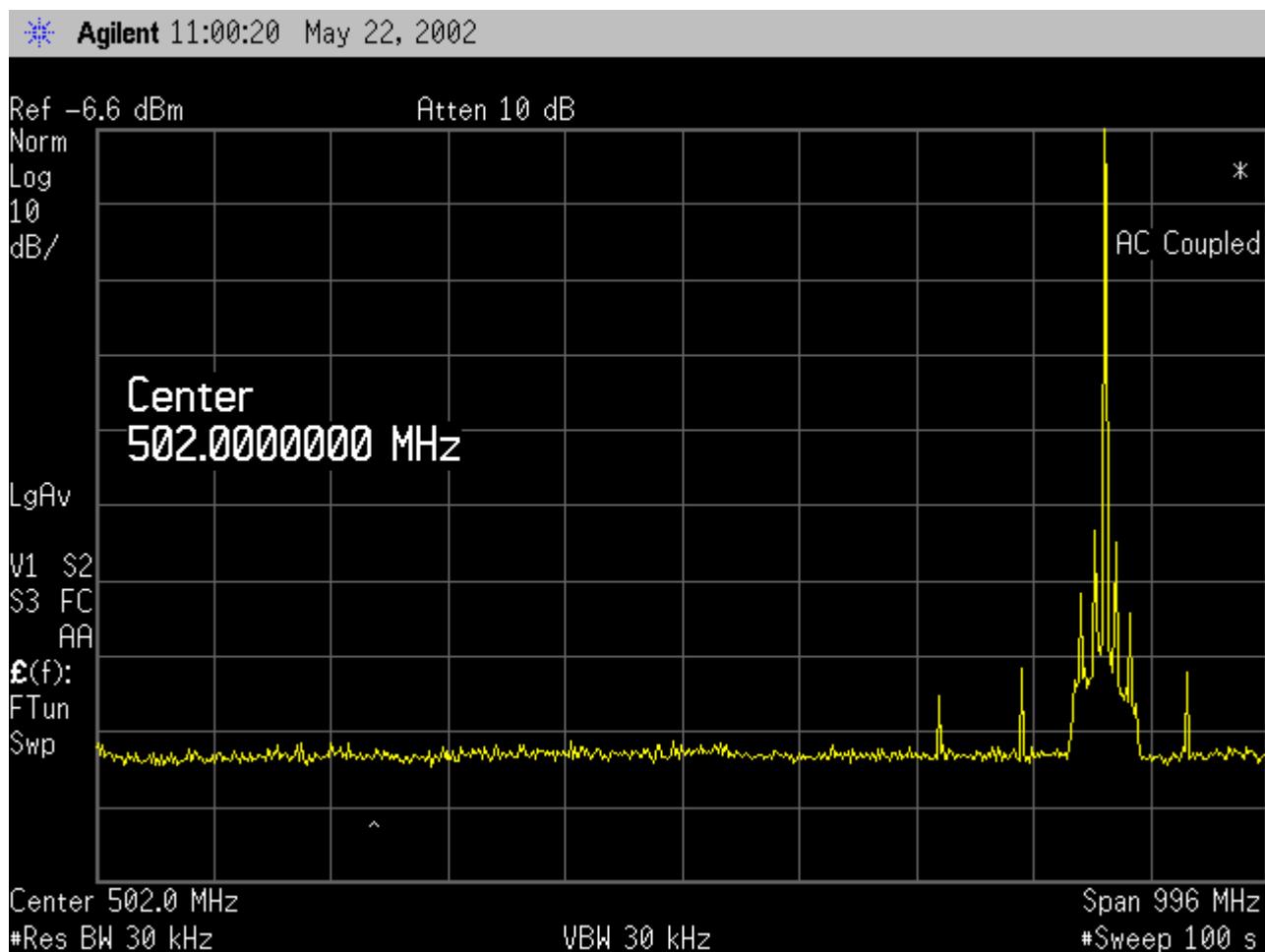
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER

TRANSMIT MODE – CHANNEL 415-OCF TALK AROUND



CONDUCTED SPURIOUS

CUSTOMER: M/A-COM

DATE: 05/16/02

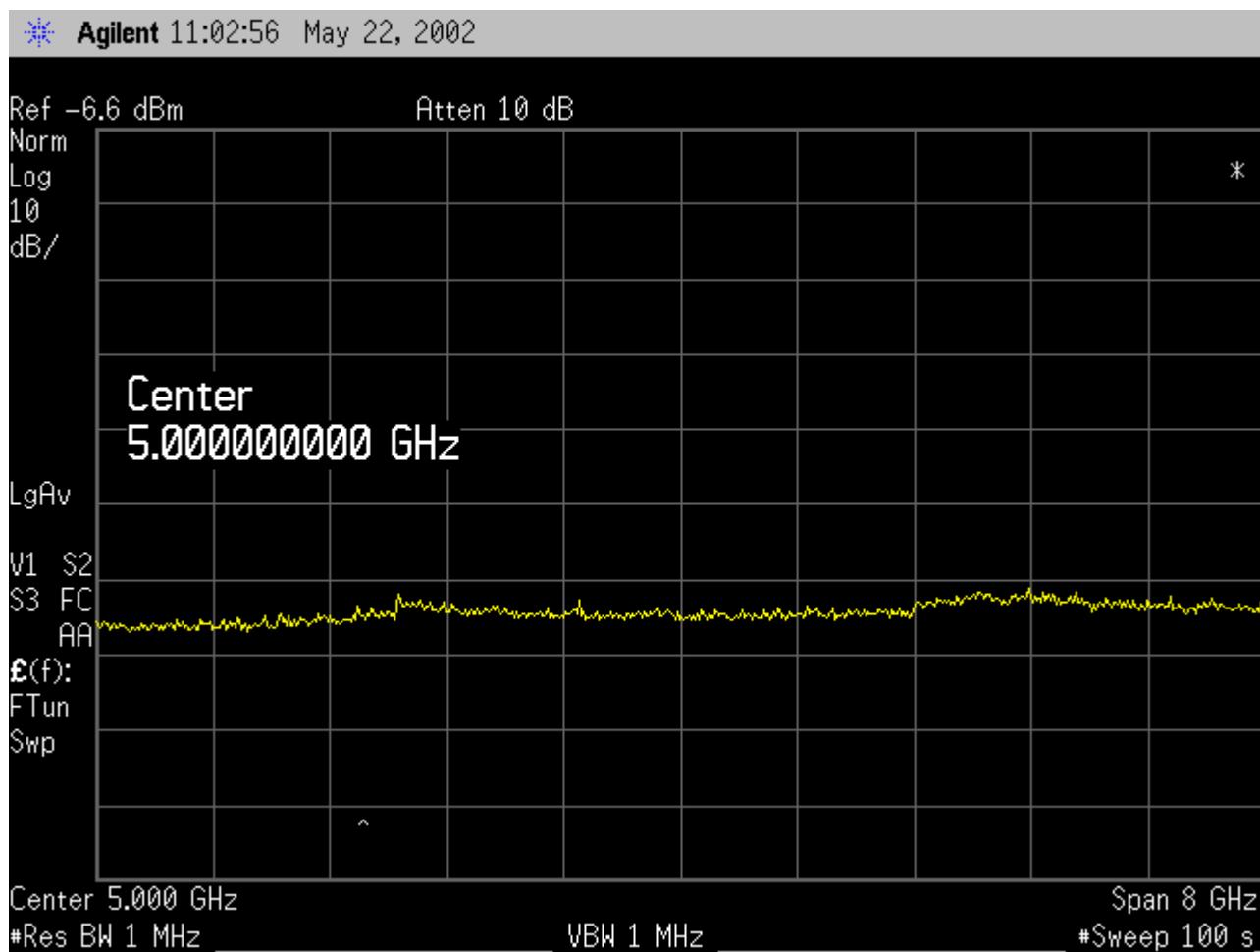
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER

TRANSMIT MODE – CHANNEL 415-OCF TALK AROUND



CONDUCTED SPURIOUS

CUSTOMER: M/A-COM

DATE: 05/16/02

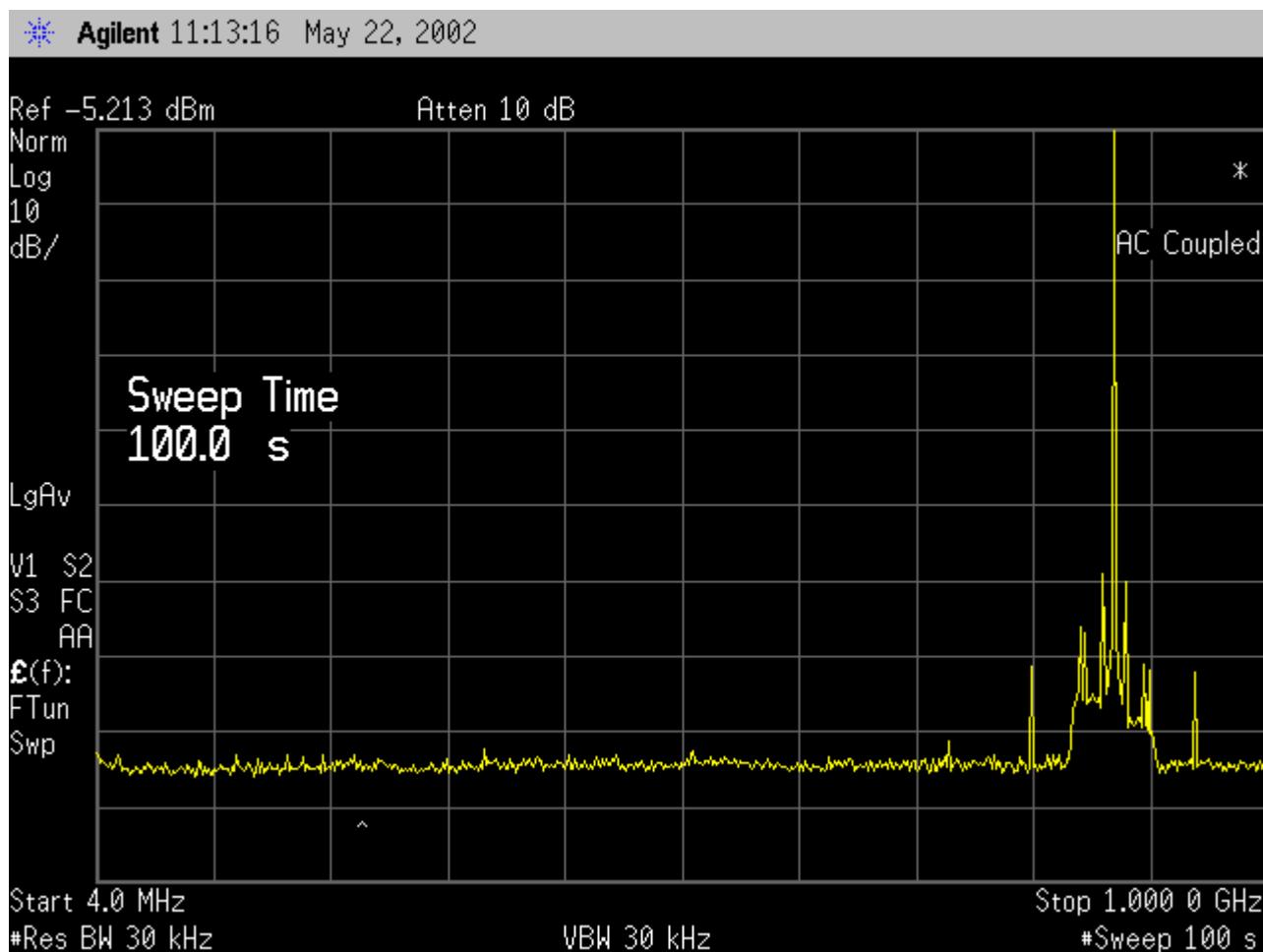
EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 1

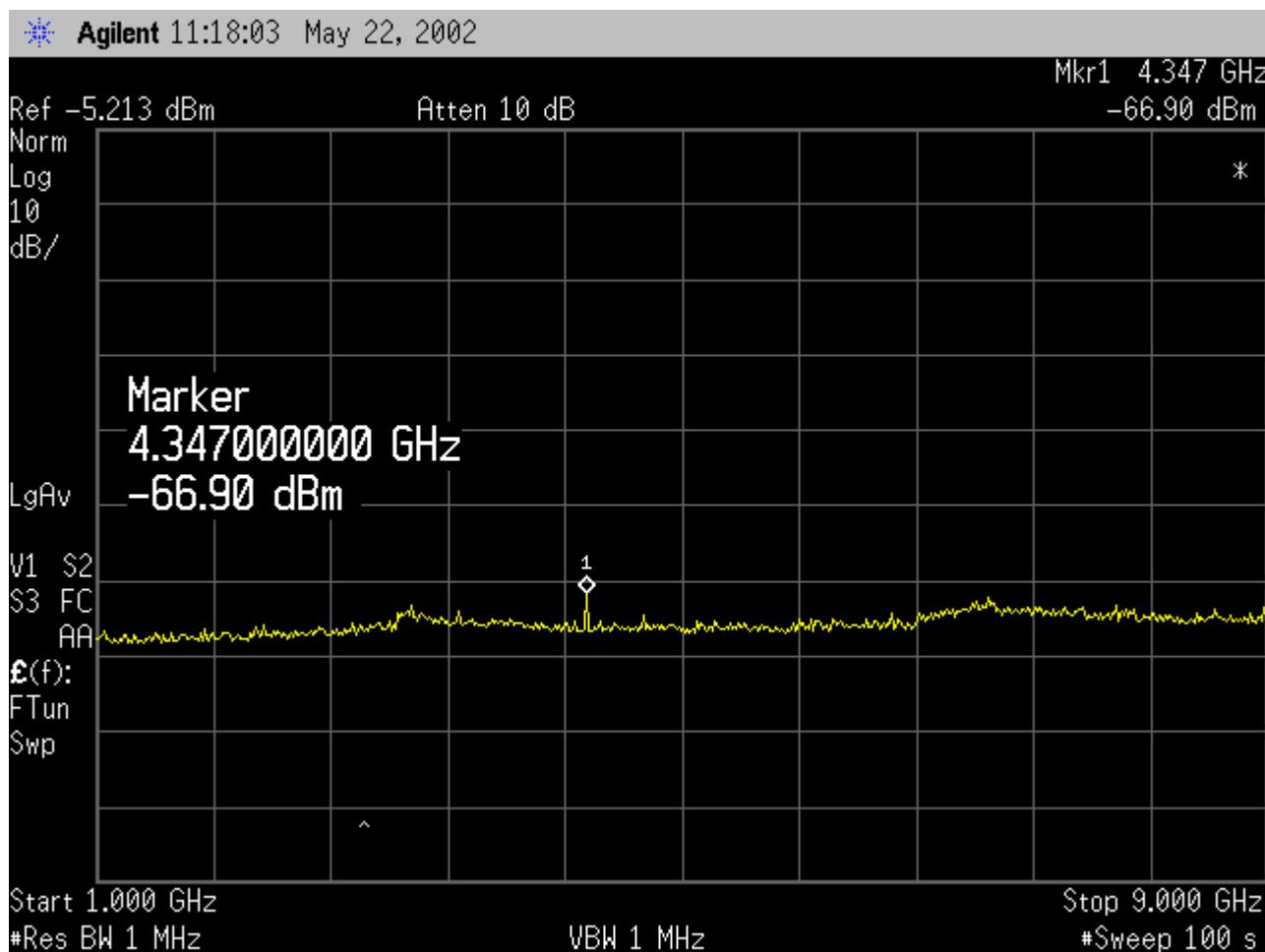
TESTED BY: MANUEL MARTINEZ

OPERATING MODE: NORMAL FULL POWER

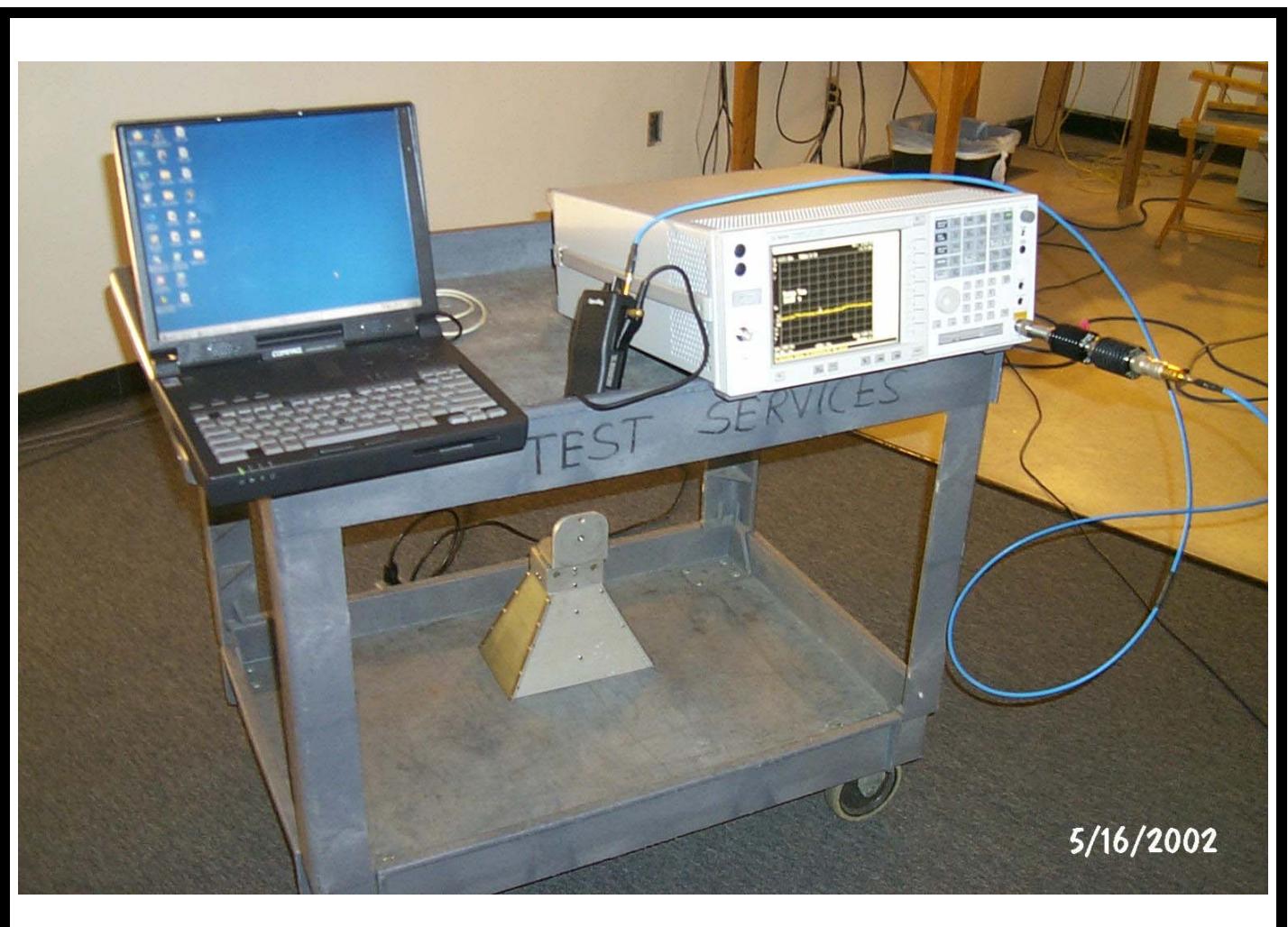
TRANSMIT MODE – CHANNEL 830-OCF TALK AROUND



CONDUCTED SPURIOUS

CUSTOMER: M/A-COM**DATE: 05/16/02****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TEST NUMBER: 1****TESTED BY: MANUEL MARTINEZ****OPERATING MODE: NORMAL FULL POWER****TRANSMIT MODE – CHANNEL 830-OCF TALK AROUND**

2.4.6 Photographic Documentation**CUSTOMER: M/A-COM****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****DATE: 04/22/02 AND 05/16/02****TEST NUMBER: 1**

Photographic Documentation**CUSTOMER: M/A-COM****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****DATE: 04/22/02 AND 05/16/02****TEST NUMBER: 1****Photograph Description: Radiated set-up****FORM CTS-PHOTO**

2.5 Radiated Spurious Emissions

2.5.1 Equipment Used

Test Equipment		Asset #	Serial #	Cal Date
X	H/P E4401 Spectrum Analyzer	N/A	4895C76451	04/03
X	EMCO 3115 Microwave Horn Antenna	376	2796	01/03
X	EMCO 3115 Microwave Horn Antenna	376	2796	01/03
X	EMCO 3120 Tuned Dipole Antenna B1	477	56	01/03
X	EMCO 3121 Tuned Dipole Antenna B2	478	176	01/03
X	EMCO 3121 Tuned Dipole Antenna B3	479	728	01/03

2.5.2 Test Conditions

Radiated spurious emission were measured with the OpenSky P800 Portable Radio placed on top of a wooded turntable located in Test Site A. The test procedure and setup of TIA/EIA 603A was followed. See Figure 6 for the test setup.

The OpenSky P800 Portable Radio was configured to operate in all three modes of operation transmitting at the low, mid and high frequency of each band. The OpenSky P800 Portable Radio was set up and powered by a fully charged battery for the test.

The modes of operation and frequencies tested are as follows:

OCF Mode	OTP Mode	OCF Talk Around
Ch# 1 806.0125MHz	Ch# 1 806.0125MHz	Ch# 1 851.0125MHz
Ch# 415 816.3625MHz	Ch# 415 816.3625MHz	Ch# 415 861.3625MHz
Ch# 830 823.9875MHz	Ch# 830 823.9875MHz	Ch# 830 868.9875MHz

2.5.3 Test Method

The test method of TIA/EIA 603A section 2.2.12 was followed for radiated spurious emissions. The P800 was placed on the turntable three meters from the receive antenna. A non-radiating load was placed on the P800. A emission scan was performed from 4 MHz to 9GHz. All spurious emissions were recorded and measured with substitution method listed in TIA/EIA 603A.

2.5.4 Results

The M/A-Com OpenSky P800 Portable Radio met the requirements for Radiated Spurious Emissions as required by FCC Part 2.933.

Radiated Spurious Test Setup

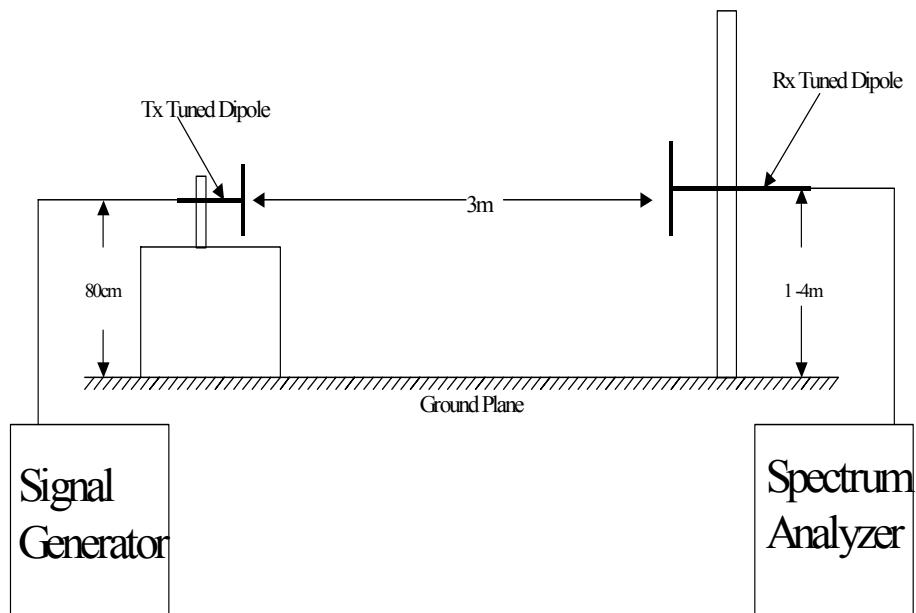


Figure 6

2.5.5 Test Data

CUSTOMER: M/A-COM

DATE: 05/30/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 7

RADIATED SPURIOUS EMISSION MEASUREMENTS
(CHANNEL #1)

FREQUENCY MHz	Mode of Operation	Output of Sig. Gen. -dBm	Cable Loss	Gain dBi	EIRP dBm	LIMIT dBm
1612.025	OTP	38	2.1	7.0	-28.0	-8.6
2418.037	OTP	58	0.7	7.4	-49.9	-8.6
3224.050	OTP	24	0.8	8.2	-15.0	-8.6
4030.062	OTP	46	1.8	7.7	-36.5	-8.6
4836.075	OTP	21	2.9	9.2	-8.9	-8.6
5642.087	OTP	39	3.0	8.8	-27.2	-8.6
6448.100	OTP	32	5.1	10.0	-16.9	-8.6
7254.112	OTP	N/A	2.3	9.9	N/A	-8.6
8060.125	OTP	N/A	2.8	10.6	N/A	-8.6

CUSTOMER: M/A-COM

DATE: 05/30/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 7

RADIATED SPURIOUS EMISSION MEASUREMENTS
(CHANNEL #415)

FREQUENCY MHz	Mode of Operation	Output of Sig. Gen. -dBm	Cable Loss	Gain dBi	EIRP dBm	LIMIT dBm
1632.725	OTP	42	2.1	7.0	-32.9	-8.6
2449.087	OTP	39	0.7	7.4	-30.9	-8.6
3265.450	OTP	29	0.8	8.2	-20.0	-8.6
4081.810	OTP	29	1.8	7.7	-19.5	-8.6
4898.173	OTP	25	2.9	9.2	-12.9	-8.6
5714.535	OTP	31	3.0	8.8	-19.2	-8.6
6530.897	OTP	35	5.1	10.0	-19.9	-8.6

CUSTOMER: M/A-COM

DATE: 05/30/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 7

RADIATED SPURIOUS EMISSION MEASUREMENTS
(CHANNEL #830)

FREQUENCY MHz	Mode of Operation	Output of Sig. Gen. -dBm	Cable Loss	Gain dBi	EIRP dBm	LIMIT dBm
1647.975	OTP	40	2.1	7.0	-30.9	-8.6
2471.962	OTP	33	0.7	7.4	-24.9	-8.6
3295.950	OTP	23	0.8	8.2	-14.0	-8.6
4119.937	OTP	24	1.8	7.7	-14.5	-8.6
4943.925	OTP	28	2.9	9.2	-15.9	-8.6
5767.912	OTP	31	3.0	8.8	-19.2	-8.6
6591.900	OTP	35	5.1	10.0	-19.9	-8.6

CUSTOMER: M/A-COM

DATE: 05/30/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 7

RADIATED SPURIOUS EMISSION MEASUREMENTS
(CHANNEL #1)

FREQUENCY MHz	Mode of Operation	Output of Sig. Gen. -dBm	Cable Loss	Gain dBi	EIRP dBm	LIMIT dBm
1612.025	OCF	32	2.1	7.0	-22.9	-8.6
2418.037	OCF	55	0.7	7.4	-46.9	-8.6
3224.050	OCF	34	0.8	8.2	-25.0	-8.6
4030.062	OCF	29	1.8	7.7	-19.5	-8.6
4836.075	OCF	33	2.9	9.2	-20.9	-8.6
5642.087	OCF	40	3.0	8.8	-28.2	-8.6
6448.100	OCF	55	5.1	10.0	-39.9	-8.6

CUSTOMER: M/A-COM

DATE: 05/30/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 7

RADIATED SPURIOUS EMISSION MEASUREMENTS
(CHANNEL #415)

FREQUENCY MHz	Mode of Operation	Output of Sig. Gen. -dBm	Cable Loss	Gain dBi	EIRP dBm	LIMIT dBm
1632.725	OCF	34	2.1	7.0	-24.9	-8.6
2449.087	OCF	50	0.7	7.4	-41.9	-8.6
3265.450	OCF	31	0.8	8.2	-22.0	-8.6
4081.810	OCF	31	1.8	7.7	-21.5	-8.6
4898.173	OCF	36	2.9	9.2	-23.9	-8.6
5714.535	OCF	34	3.0	8.8	-22.2	-8.6

CUSTOMER: M/A-COM

DATE: 05/30/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 7

RADIATED SPURIOUS EMISSION MEASUREMENTS
(CHANNEL #830)

FREQUENCY MHz	Mode of Operation	Output of Sig. Gen. -dBm	Cable Loss	Gain dBi	EIRP dBm	LIMIT dBm
1647.975	OCF	41	2.1	7.0	-31.9	-8.6
2471.962	OCF	50	0.7	7.4	-41.9	-8.6
3295.950	OCF	38	0.8	8.2	-29.0	-8.6
4119.937	OCF	34	1.8	7.7	-24.5	-8.6
4943.925	OCF	44	2.9	9.2	-31.9	-8.6
5767.912	OCF	32	3.0	8.8	-20.2	-8.6

CUSTOMER: M/A-COM

DATE: 05/30/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 7

RADIATED SPURIOUS EMISSION MEASUREMENTS
(CHANNEL #1)

FREQUENCY MHz	Mode of Operation	Output of Sig. Gen. -dBm	Cable Loss	Gain dBi	EIRP dBm	LIMIT dBm
1702.025	OCF Talk Around	50	2.1	7.0	-40.9	-8.6
2553.037	OCF Talk Around	35	0.7	7.4	-26.9	-8.6
3404.050	OCF Talk Around	33	0.8	8.2	-24.0	-8.6
4255.062	OCF Talk Around	35	1.8	7.7	-25.5	-8.6
5106.075	OCF Talk Around	37	2.9	9.2	-24.9	-8.6
5957.087	OCF Talk Around	33	3.0	8.8	-21.2	-8.6
6808.100	OCF Talk Around	43	5.1	10.0	-27.9	-8.6
7659.112	OCF Talk Around	53	2.3	9.9	-40.8	-8.6
8510.125	OCF Talk Around	44	2.8	10.6	-30.6	-8.6

CUSTOMER: M/A-COM

DATE: 05/30/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 7

RADIATED SPURIOUS EMISSION MEASUREMENTS
(CHANNEL #415)

FREQUENCY MHz	Mode of Operation	Output of Sig. Gen. -dBm	Cable Loss	Gain dBi	EIRP dBm	LIMIT dBm
1722.725	OCF Talk Around	51	2.1	7.0	-41.9	-8.6
2584.087	OCF Talk Around	35	0.7	7.4	-26.9	-8.6
3445.450	OCF Talk Around	32	0.8	8.2	-23.0	-8.6
4306.812	OCF Talk Around	37	1.8	7.7	-27.5	-8.6
5168.175	OCF Talk Around	36	2.9	9.2	-23.9	-8.6
6029.537	OCF Talk Around	34	3.0	8.8	-22.2	-8.6
6890.900	OCF Talk Around	43	5.1	10.0	-27.9	-8.6
8613.625	OCF Talk Around	43	2.8	10.6	-29.6	-8.6

CUSTOMER: M/A-COM

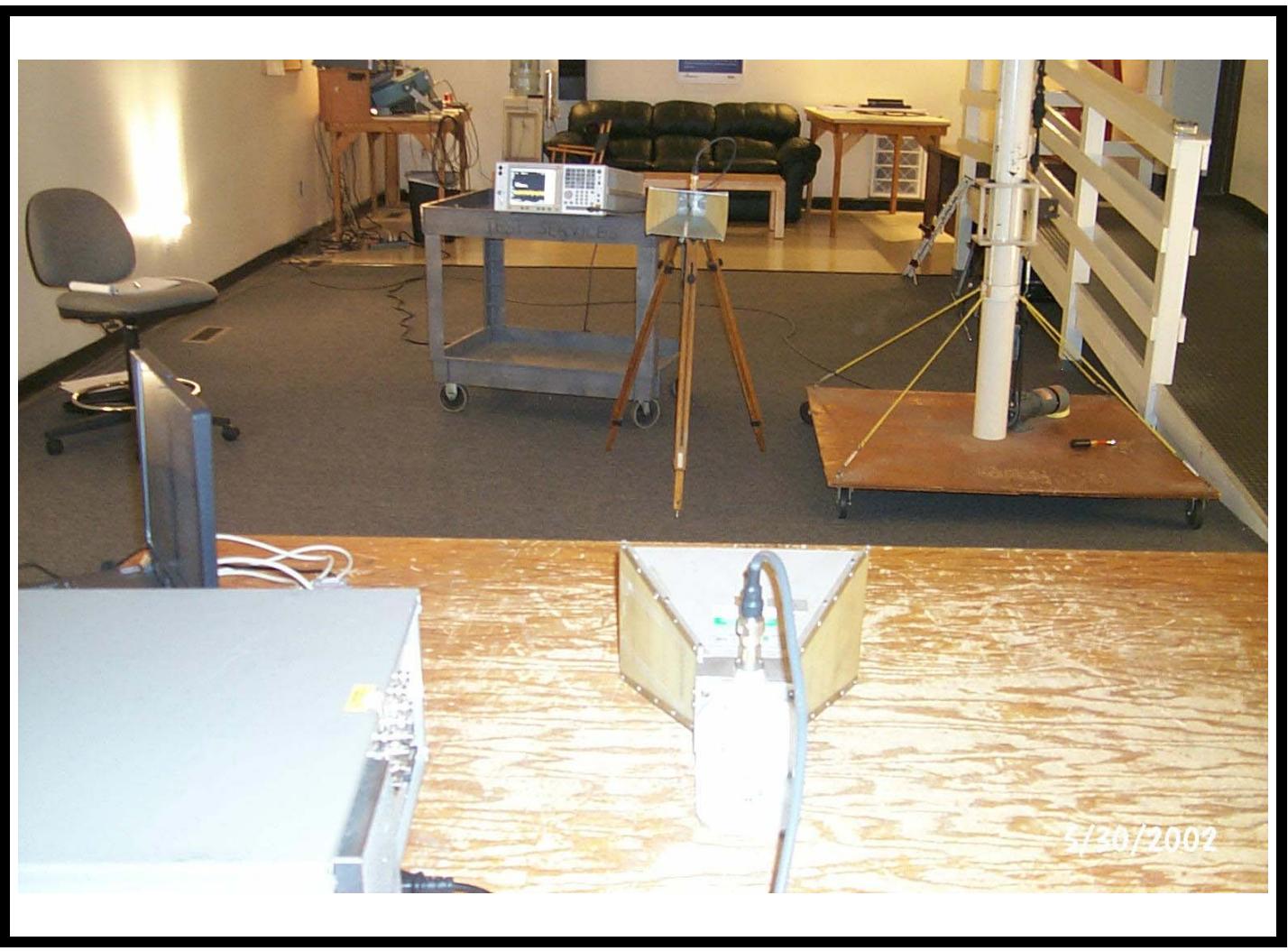
DATE: 05/30/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 7

RADIATED SPURIOUS EMISSION MEASUREMENTS
(CHANNEL #830)

FREQUENCY MHz	Mode of Operation	Output of Sig. Gen. -dBm	Cable Loss	Gain dBi	EIRP dBm	LIMIT dBm
1737.975	OCF Talk Around	52	2.1	7.0	-42.9	-8.6
2606.962	OCF Talk Around	30	0.7	7.4	-21.9	-8.6
3475.950	OCF Talk Around	40	0.8	8.2	-31.0	-8.6
4344.937	OCF Talk Around	33	1.8	7.7	-23.5	-8.6
5213.925	OCF Talk Around	36	2.9	9.2	-23.9	-8.6
6082.912	OCF Talk Around	30	3.0	8.8	-18.2	-8.6
6951.900	OCF Talk Around	40	5.1	10.0	-24.9	-8.6

2.5.6 Photographic Documentation**CUSTOMER: M/A-COM****DATE: 05/30/02****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TEST NUMBER: 7****Photograph Description: Radiated set-up****FORM CTS-PHOTO**

2.6 Frequency Stability

2.6.1 Equipment Used

Test Equipment		Asset #	Serial #	Cal Date
X	H/P Frequency Counter 5340A	139	214A08245	12/02
X	Cincinnati Sub Zero ZH-32-2H/AC Temperature Chamber	544	Z09712530	05/03
X	Narda 769-20 High Band Attenuator	284	03793	C.P.U.
X	H/P 8368A Signal Generator	399	8965B0091	06/02
X	Narda 769-20 High Band Attenuator	471	02951	C.P.U.

2.6.2 Test Conditions

The Frequency Stability “Temperature” tests were performed with the OpenSky P800 Portable Radio placed inside a Temperature/Humidity Chamber.

The Frequency Stability “Voltage” tests were performed with the OpenSky P800 Portable Radio placed on top of a wooden turntable. The ambient temperature was 20°C.

The OpenSky P800 Portable Radio was configured to operate at the middle channel OCF mode.

2.6.3 Test Method

Frequency Stability-Temperature

The OpenSky P800 Portable Radio was placed inside a temperature/humidity chamber. The ambient temperature inside the chamber is computer controlled and varied from -30°C to +50° in 10° steps for this test. The temperature was initially set to 20°C and a reference measurement was taken. The ambient temperature was then dropped to -30°C and stepped up to +50°C in 10°C intervals. A measurement was taken every 10°C. The output of the OpenSky P800 Portable Radio was connected to a frequency counter via two 20dB attenuators and a N-Type coax cable. The P800 Radio was set to 816.3625 MHz (Channel 415) OCF Mode. See Figure 7 for test set-up. The temperature was measured by placing a thermal couple on the outside chassis of the P800 Radio. The P800 Portable Radio was turned off between each 10° step.

Frequency Stability-Voltage

The OpenSky P800 Portable Radio was placed on top of a wooden table connected to a modified battery pack enclosure. The battery pack enclosure with exposed terminals (no cells) was connected to a DC supply. Testing was performed at 8VDC (above nominal), 7.3VDC (nominal), and 6.093VDC (battery end-point). The voltage variation test was performed at the high, middle, and low channels in the OCF Mode.

The modes of operation and frequencies tested are as follows:

OCF Mode
Ch# 1 806.0125MHz
Ch# 415 816.3625MHz
Ch# 830 823.9875MHz

2.6.4 Results

The M/A-Com OpenSky P800 Portable Radio met the Frequency Stability requirements of FCC Part 90.213 and Part 2.995.

Test Setup

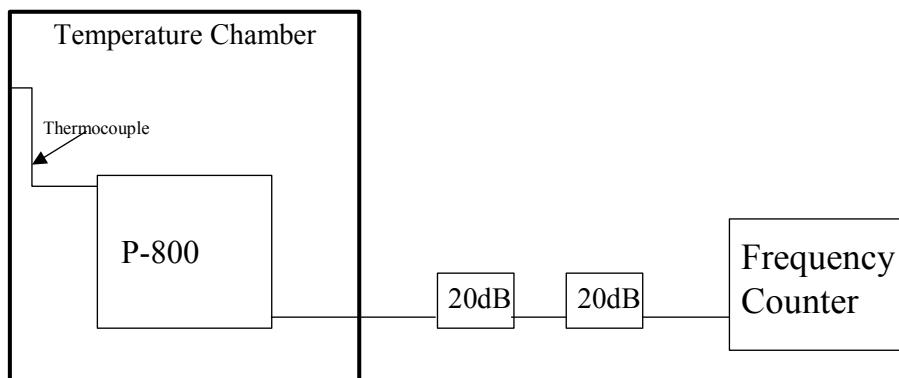


Figure 7

Document #: EMI3355.US.02
Date: July 11, 2002

2.6.5 Test Data

P800 Radio OTP Mode

Frequency Stability Test (Voltage)

	CH001 (806.0125 MHz)	CH 415 (816.3625 MHz)	CH 830 (823.9875 MHz)
8.0 VDC	806.0123	816.3627	823.9878
7.3 VDC	806.0125	816.3627	823.9878
6.3 VDC	806.0127	816.3628	823.9878

Frequency Stability Test (Temperature)

Temperature	Frequency (MHz) (823.9875 MHz)
-30°C	823.98733
-20°C	823.98744
-10°C	823.98742
0°C	823.98742
10°C	823.98753
20°C	823.98778
30°C	823.98798
40°C	823.98828
50°C	823.98850

P800 Radio OCF Mode**Frequency Stability Test (Voltage)**

	CH001 (806.0125 MHz)	CH 415 (816.3625 MHz)	CH 830 (823.9875 MHz)
8.00 VDC	806.0123	816.3624	823.9873
7.30 VDC	806.0123	816.3623	823.9873
6.35 VDC	806.0123	816.3622	823.9872

Frequency Stability Test (Temperature)

Temperature	Frequency (MHz) (823.9875 MHz)
-30°C	823.98761
-20°C	823.98756
-10°C	823.98760
0°C	823.98760
10°C	823.98760
20°C	823.98758
30°C	823.98755
40°C	823.98746
50°C	823.98732

2.6.6 Photographic Documentation**CUSTOMER: M/A-COM****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****DATE: 05/14/02****TEST NUMBER: 5**

Photograph Description: Temperature test set-up

FORM CTS-PHOTO

2.7 Part 15 Radiated Electromagnetic Emissions**2.7.1 Equipment Used**

Test Equipment		Asset #	Serial #	Cal Date
X	Tektronix 496 Spectrum Analyzer	1	B010559	10/02
X	H/P E4401 Spectrum Analyzer	N/A	4895C76451	04/03
X	Rhode and Schwartz ESV Test Receiver	15	875931049	09/02
X	Hewlett Packard 8447D Pre Amp	4	2727A06065	01/03
X	EMCO 3120 Tuned Dipole Antenna B1	477	56	01/03
X	EMCO 3121 Tuned Dipole Antenna B2	478	176	01/03
X	EMCO 3121 Tuned Dipole Antenna B3	479	728	01/03
X	EMCO 3115 Microwave Horn Antenna	376	2796	01/03

2.7.2 Test Conditions

The OpenSky P800 Portable Radio was set up on a wooden table 3 meters from a the receiving antenna within Open Area Test Site A.

The OpenSky P800 Portable Radio was configured to operate in stand-by mode of operation to maximize the emissions. The EUT was set up and powered by a fully charged battery for radiated emission tests. The worst case signals detected were recorded.

The OpenSky P800 Portable Radio was tested in two different configurations.

1. Standalone with $\frac{1}{2}$ wave antenna.
2. Standalone with $\frac{1}{4}$ wave antenna.

2.7.3 Test Method

The test method of ANSI-C63.4 was followed for Class B equipment. For the radiated emission measurements, a manual scan was performed from 30MHz to 10GHz. During this scan, the antenna, turntable and EUT's cable positions were manipulated to maximize the emission levels in a given frequency band displayed on the spectrum analyzer.

2.7.4 Results

The M/A-Com OpenSky P800 Portable Radio met the requirements for Radiated Emissions as required by FCC Part 15 Subpart B for Class B equipment.

2.7.5 Test Data

RADIATED E FIELD EMISSION MEASUREMENTS

CUSTOMER: M/A-COM

DATE: 05/15/02

EQUIPMENT: P800 S/N 14C CHANNEL 830 HALF

TEST NUMBER: 4

WAVE ANTENNA

TESTED BY: MANUEL MARTINEZ

COUPLING DEVICE: DIPOLE ANTENNAS

OPERATING MODE: OTP

TEST SPEC: FCC PART 15 AND 90 CLASS B

BANDWIDTH: [X] 100 kHz (PEAK)/120 kHz (QP)

PROCEDURE: ANSI C63.4

OTHER (SPECIFY)

FREQUENCY RANGE: [X] 30MHz – 10GHz

ANTENNA DISTANCE: [X] 3 METERS

[] 11.76 GHz – 12.7 GHz

[] 10 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 \diamond	LIMIT dBuV/m (QP)
418.0	84	--	1.2	0	V	-3.3	19.7	46.0
436.0	86	--	1.2	0	V	-2.8	18.2	46.0
468.0	84	--	1.2	0	V	-2.1	20.9	46.0
492.0	88	--	2.2	0	V	-1.6	17.1	46.0
921.01	--	4	1.5	0	V	+32.3	36.3	46.0
931.36	--	3.5	1.5	0	V	+32.5	36.0	46.0
938.9	--	4	1.5	0	V	+32.7	36.7	46.0
With Lapel microphone								
921.01	--	4	1.5	0	V	+32.3	36.3	46.0
931.36	--	4	1.5	0	V	+32.5	36.5	46.0
938.9	--	4	1.5	0	V	+32.7	36.7	46.0
With programming cable								
921.01	--	5	1.5	0	V	+32.3	37.3	46.0
931.36	--	5	1.5	0	V	+32.5	37.5	46.0

 \diamond All signals greater than 3dB from the limit are calculate to the nearest whole number. \diamond Field Level (dBuV/m) = [107 – Measured level (dBm)] + Antenna Factor/Cable Loss (dB)

Ambient Temperature: 66°F Humidity: 46% Atmospheric Pressure: 30.1"

NOTES:

FORM CTS-DS-001R

Document #: EMI3355.US.02
Date: July 11, 2002

RADIATED EMISSION MEASUREMENTS (continued)

CUSTOMER: M/A-COM

DATE: 05/15/02

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TEST NUMBER: 4

Ambient Temperature: 66°F

Humidity: 40%

Atmospheric Pressure: 30.1"

FORM CTS-DS-004.R2

Document #: EMI3355.US.02
Date: July 11, 2002

2.7.6 Photographic Documentation**CUSTOMER: M/A-COM****DATE: 05/15/02****EQUIPMENT: OPENSKY P800 PORTABLE RADIO****TEST NUMBER: 4**

Photograph Description: Test set-up

FORM CTS-PHOTO

CHOMERICS

 Parker Seals

TEST SERVICES

APPENDIX A
TEST LOG

Document #: EMI3355.US.02
Date: July 11, 2002

Page 98 of 100

TEST LOG

CUSTOMER: M/A-COM

PROGRAM: N/A

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: MANUEL MARTINEZ

Pre-Test Checklist	Date	Comments					
	04/17/02	Test Plan/Procedure: per Test Spec Test Specification: FCC Part 90, FCC Part 2, FCC Part 15 Chomerics Procedure: CHO TPEC T2 EUT Power Requirement Verified: DC Battery EUT Functional Operational Check: [X] Pass [] Fail Environmental: Bonding/Grounding: N/A Safety Issues: N/A					
In-Process Test Checklist	Date	Test #	Test Type	Test Equipment Calibrated	Test Performed Properly – Data Accepted	EUT Set-up Check/Operational Check	EUT Pass/Fail
	04/22/02, 05/16/02	1	Conducted Spurious	X	X	X	PASS
	04/22/02, 05/16/02	2	Occupied Bandwidth	X	X	X	PASS
	04/30/02, 05/14/02	3	RF Output Power	X	X	X	PASS
	05/15/02	4	FCC Part 15 Radiated Emissions	X	X	X	PASS
	05/14/02, 05/15/02, 05/30/02	5	Frequency Stability Voltage and Temperature	X	X	X	PASS
	05/14/02, 05/16/02	6	Emission Mask	X	X	X	PASS
	05/30/02	7	Radiated Spurious	X	X	X	PASS
Post Test Checklist	Date: 05/30/02	EUT Functional Operation Check: [X] Pass [] Fail			<hr/> Test Engineer/Tech Approved Signatory		

FORM CTS-010

Document #: EMI3355.US.02
Date: July 11, 2002

TEST LOG

CUSTOMER: M/A-COM

PROGRAM: N/A

EQUIPMENT: OPENSKY P800 PORTABLE RADIO

TESTED BY: ROBERT FOSTER

Pre-Test Checklist	Date	Comments					
	05/22/02	Test Plan/Procedure: per Test Spec Test Specification: FCC Part 90, FCC Part 2 Chomerics Procedure: CHO TPEC T2 EUT Power Requirement Verified: DC Battery EUT Functional Operational Check: <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail Environmental: Bonding/Grounding: N/A Safety Issues: N/A					
In-Process Test Checklist	Date	Test #	Test Type	Test Equipment Calibrated	Test Performed Properly – Data Accepted	EUT Set-up Check/Operational Check	EUT Pass/ Fail
	05/22/02	1	Emission Mask	X	X	X	PASS
	05/22/02	2	Conducted Spurious	X	X	X	PASS
	05/22/02	3	Occupied Bandwidth	X	X	X	PASS
	05/22/02	4	Radiated Spurious	X	X	X	PASS
Post Test Checklist	Date: 05/30/02	EUT Functional Operation Check: <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail			<hr/> Test Engineer/Tech <hr/> Approved Signatory		

FORM CTS-010

Document #: EMI3355.US.02
Date: July 11, 2002