CKC LABORATORIES, INC. Testing the Future

ACCREDITED Certificate Numbers 883.01 - 883.06 EMC/SAFETY

ADDENDUM TO FC03-043

FOR THE

900 MHZ CORDLESS TELEPHONE, AERO 2000

FCC PART 15 SUBPART C SECTION 15.247 &
CISPR 22 (1997) CLASS B

COMPLIANCE

DATE OF ISSUE: FEBRUARY 27, 2004

PREPARED FOR:

Consumerware, Inc.
11730 118th Ave. NE, Ste A 300
Kirkland, WA 98034

PREPARED BY:

Joyce Walker
CKC Laboratories, Inc.
5473A Clouds Rest
Mariposa, CA 95338

P.O. No.: CW0307011
W.O. No.: 79460

Date of test: October 9, 2003 – February 26, 2004

Report No.: FC03-043A

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ADMINISTRATIVE INFORMATION

DATE OF TEST:	October 9, 2003 – February 26, 2004
DATE OF RECEIPT:	October 9, 2003
PURPOSE OF TEST:	To demonstrate the compliance of the 900 MHz Cordless Telephone, Aero 2000, with the requirements for FCC Part 15 Subpart C Section 15.247 and CISPR 22 Class B devices. **Addendum A** is to revise the MPE calculations, add a statement regarding testing of three orthogonals, and verify handset testing with the headset attached.
TEST METHOD:	ANSI C63.4 (1992)
MANUFACTURER:	Consumerware, Inc. 11730 118th Ave. NE, Ste A 300 Kirkland, WA 98034
REPRESENTATIVE:	Mark Gosselin
TEST LOCATION:	CKC Laboratories, Inc. 14797 NE 95th Redmond, WA 98052

SUMMARY OF RESULTS

As received, the Consumerware, Inc. 900 MHz Cordless Telephone, Aero 2000 was found to be fully compliant with the following standards and specifications:

United States

- FCC Part 15 Subpart C Section 15.247
- FCC Part 15 Subpart C Section 15.207 using: CISPR 22 (1997) Class B
- ANSI C63.4 (1992) method

FCC Site No. 933805

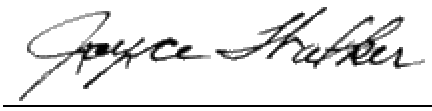
CONDITIONS FOR COMPLIANCE

No modifications to the EUT were necessary to comply.

APPROVALS

Steve Behm, Director of Engineering Services

QUALITY ASSURANCE:



Joyce Walker, Quality Assurance Administrative Manager

TEST PERSONNEL:

Andrew Pace, Lab Manager

EQUIPMENT UNDER TEST (EUT) DESCRIPTION

The EUT tested by CKC Laboratories represented a production unit. 900 MHz cordless phone consisting of a Base Statation and Handset.

FCC 15.31(e) Voltage Variations

Base Station

	Power at Nominal Voltage (dBm)	Power at 85% Nominal Voltage (dBm)	Power at 115% Nominal Voltage (dBm)
Channel 1	22.7	22.7	22.7
Channel 10	22.9	22.9	22.9
Channel 20	22.8	22.8	22.8

Handset

	Power at Nominal Voltage (dBm)	Power at 85% Nominal Voltage (dBm)	Power at 115% Nominal Voltage (dBm)
Channel 1	11.4	11.4	11.4
Channel 10	11.0	11.0	11.0
Channel 20	8.2	8.2	8.2

Test Setup Conditions: The EUT is a portable phone. It incorporates a base station and a cordless handset. The base station is connected to a PSTN through a normal phone cable. The system operates in the 902-928 MHz ISM band. In order to make the transmitter measurements shown the system was configured to transmit on one channel at full power without data or pulse modulation.

FCC 15.31(m) Number Of Channels

Three channels tested; low, middle and high.

FCC 15.33(a) Frequency Ranges Tested

CISPR 22 Conducted Emissions: 150 kHz – 30 MHz
15.247 Radiated Emissions: 9 kHz – 10 GHz

FCC SECTION 15.35: ANALYZER BANDWIDTH SETTINGS PER FREQUENCY RANGE			
TEST	BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING
CONDUCTED EMISSIONS	150 kHz	30 MHz	9 kHz
RADIATED EMISSIONS	9 kHz	150 kHz	200 Hz
RADIATED EMISSIONS	150 kHz	30 MHz	9 kHz
RADIATED EMISSIONS	30 MHz	1000 MHz	120 kHz
RADIATED EMISSIONS	1000 MHz	10 GHz	1 MHz

FCC 15.203 Antenna Requirements
The device uses an antenna that is permanently attached and therefore complies with section 15.203 of the FCC rules.

FCC 15.205 Restricted Bands
The fundamental operating frequency lies outside the restricted bands and therefore complies with the requirements of Section 15.205 of the FCC rules. Any spurious emission coming from the EUT was investigated to determine if any portion lies inside the restricted band. If any portion of a spurious emissions signal was found to be within a restricted band, investigation was performed to ensure compliance with Section 15.209.

EUT Operating Frequency
The EUT was operating at 904.250-926.020 MHz in the 902-928 MHz band.

EQUIPMENT UNDER TEST

900 MHz Cordless Telephone (Base Station)

Manuf:	Consumerware, Inc.
Model:	Aero 2000
Serial:	NA
FCC ID:	RPGAER2B (pending)

900 MHz Cordless Telephone (Handset)

Manuf:	Consumerware, Inc.
Model:	Aero 2000
Serial:	NA
FCC ID:	RPGAER2H (pending)

PERIPHERAL DEVICES

The EUT was not tested with peripheral devices.

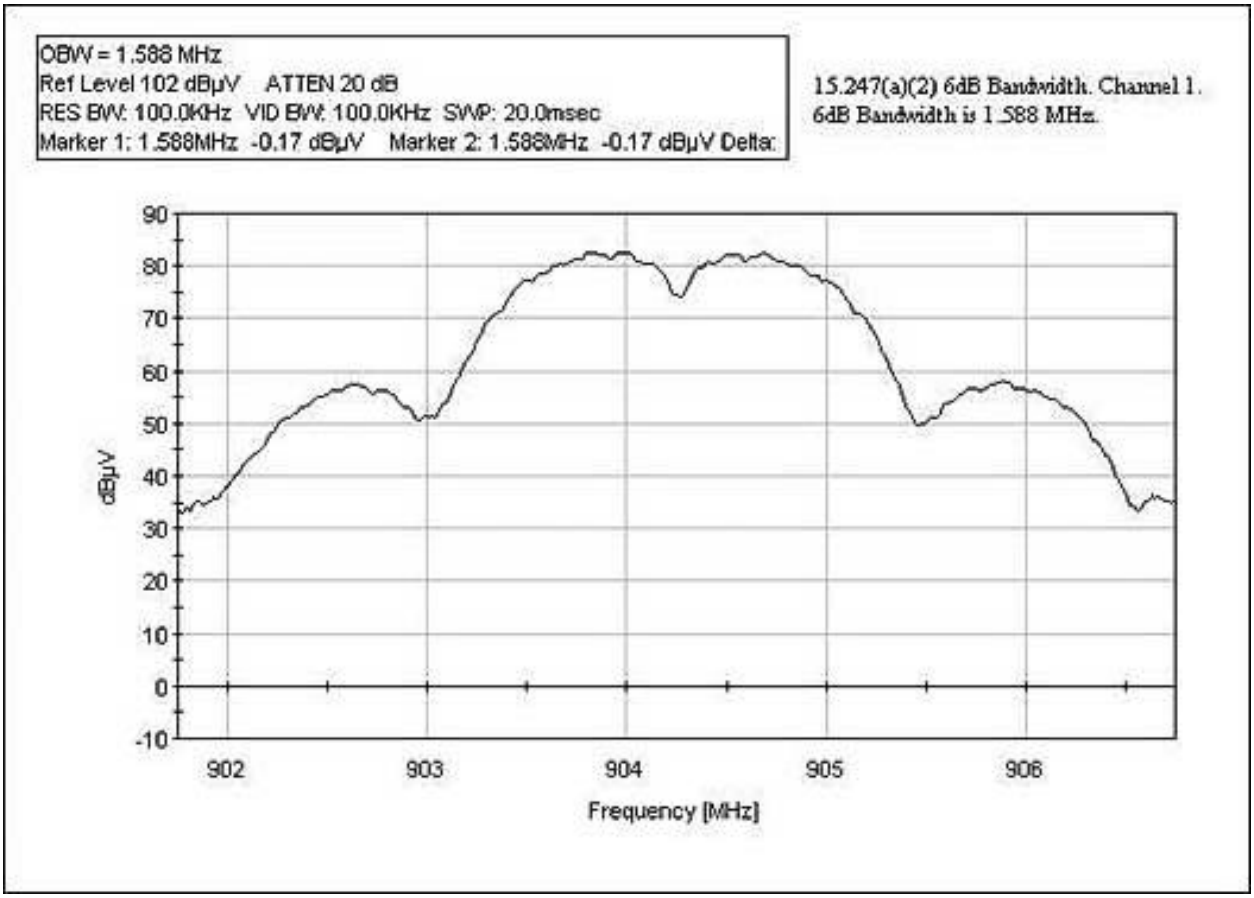
MEASUREMENT UNCERTAINTY

TEST	HIGHEST UNCERTAINTY
Radiated Emissions	+/- 2.94 dB
Conducted Emissions	+/- 1.56 dB

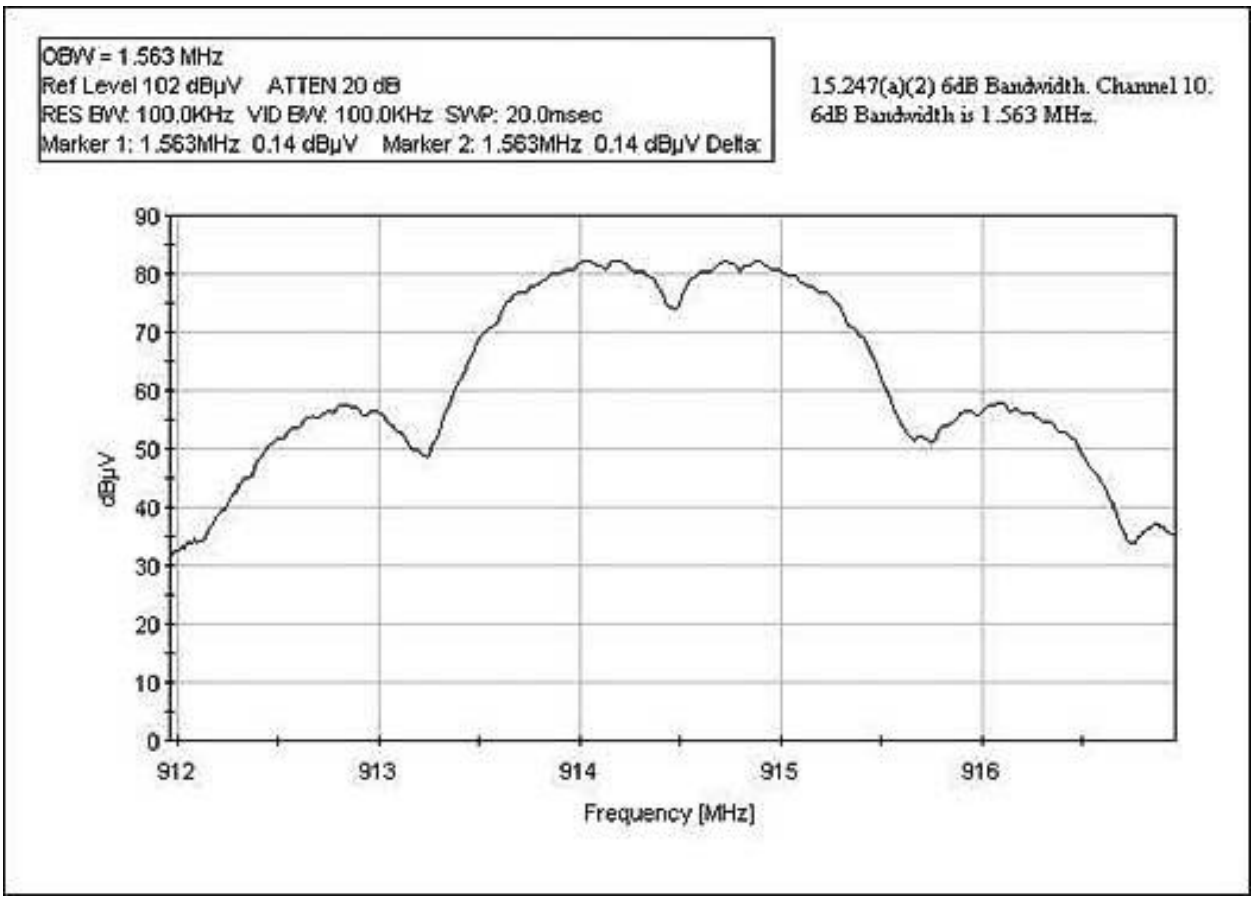
Note: Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k=2. Statements of compliance are based on the nominal values only.

REPORT OF MEASUREMENTS

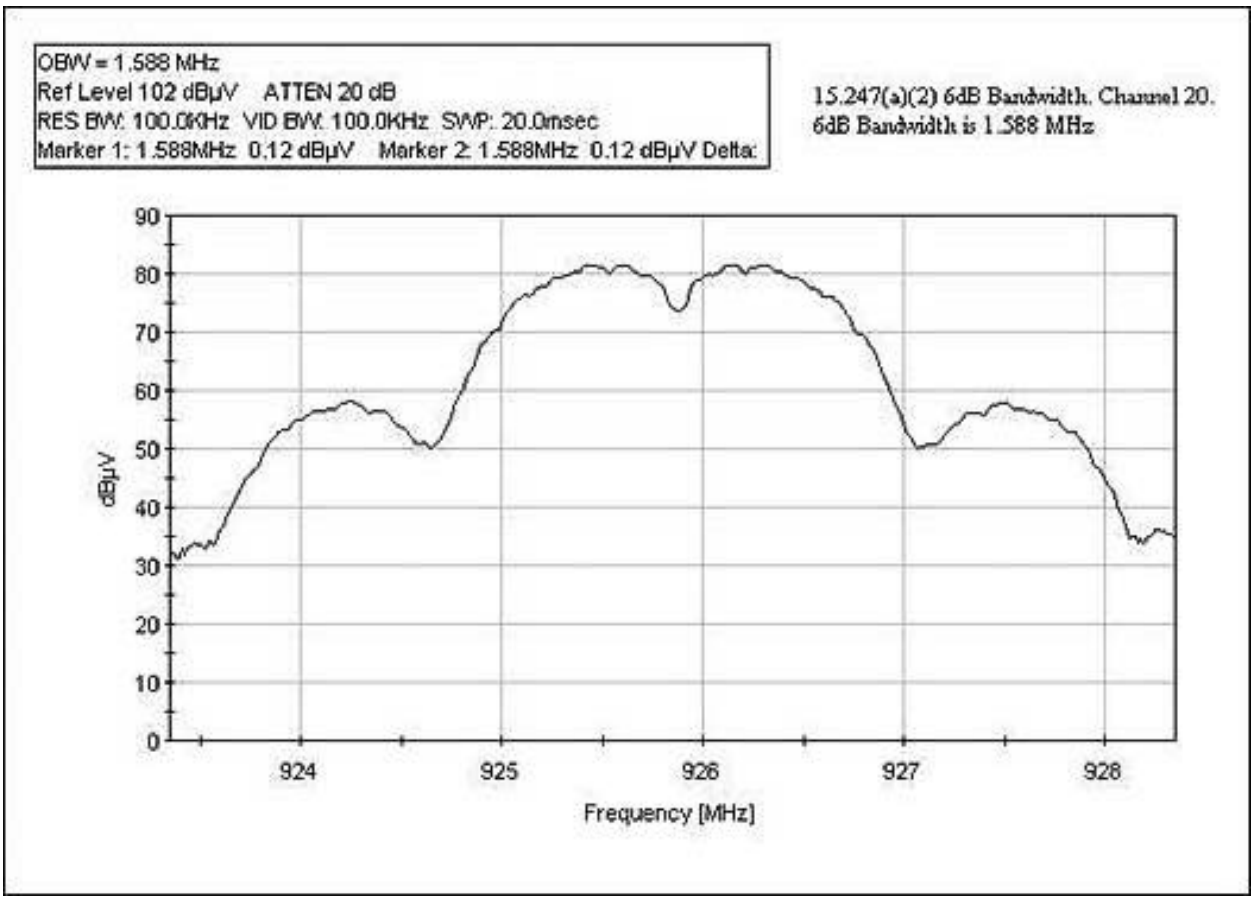
FCC 15.247(a)(2) OCCUPIED BANDWIDTH - LOW CHANNEL - BASE STATION



FCC 15.247(a)(2) OCCUPIED BANDWIDTH - MIDDLE CHANNEL - BASE STATION



FCC 15.247(a)(2) OCCUPIED BANDWIDTH – HIGH CHANNEL – BASE STATION



FCC 15.247(b)(3) PEAK OUTPUT: BASE STATION

Equipment setup: The EUT is a portable phone. It incorporates a base station and a cordless handset. The base station is connected to a PSTN through a normal phone cable.
The system operates in the 902-928 MHz ISM band. In order to make the transmitter measurements shown, the system was configured to transmit on one channel at full power without data or pulse modulation.
This measurement was made at three meters = d.

	Frequency (MHz)	Spectrum analyzer Measurement + BWC= Electric field (E) (V/m)	Antenna Gain (G) (numeric)	Measured Power P=(Ed)^2/30G (Watts)	EIRP Limit (Watts)	Result Pass/Fail
Channel 1	904.2	0.812	1.06	0.187	1	Pass
Channel 10	914.5	0.851	1.12	0.194	1	Pass
Channel 20	926.0	0.813	1.04	0.191	1	Pass

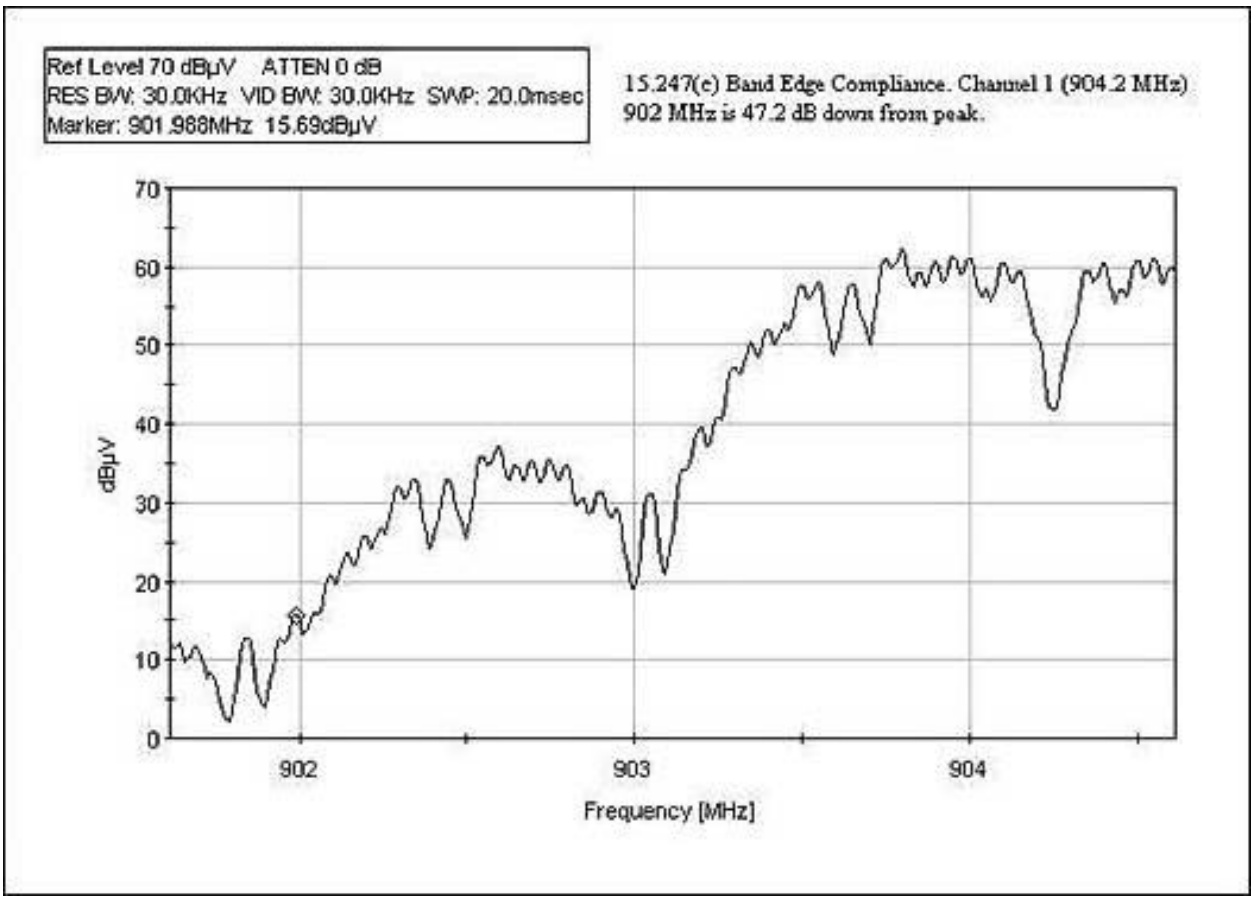
Note: BW corr = 10*10Log (Emission BW/measurement BW)
BW Corr = 10
Antenna Gain (G) relative

This table represents worst case of the three orthogonals tested.

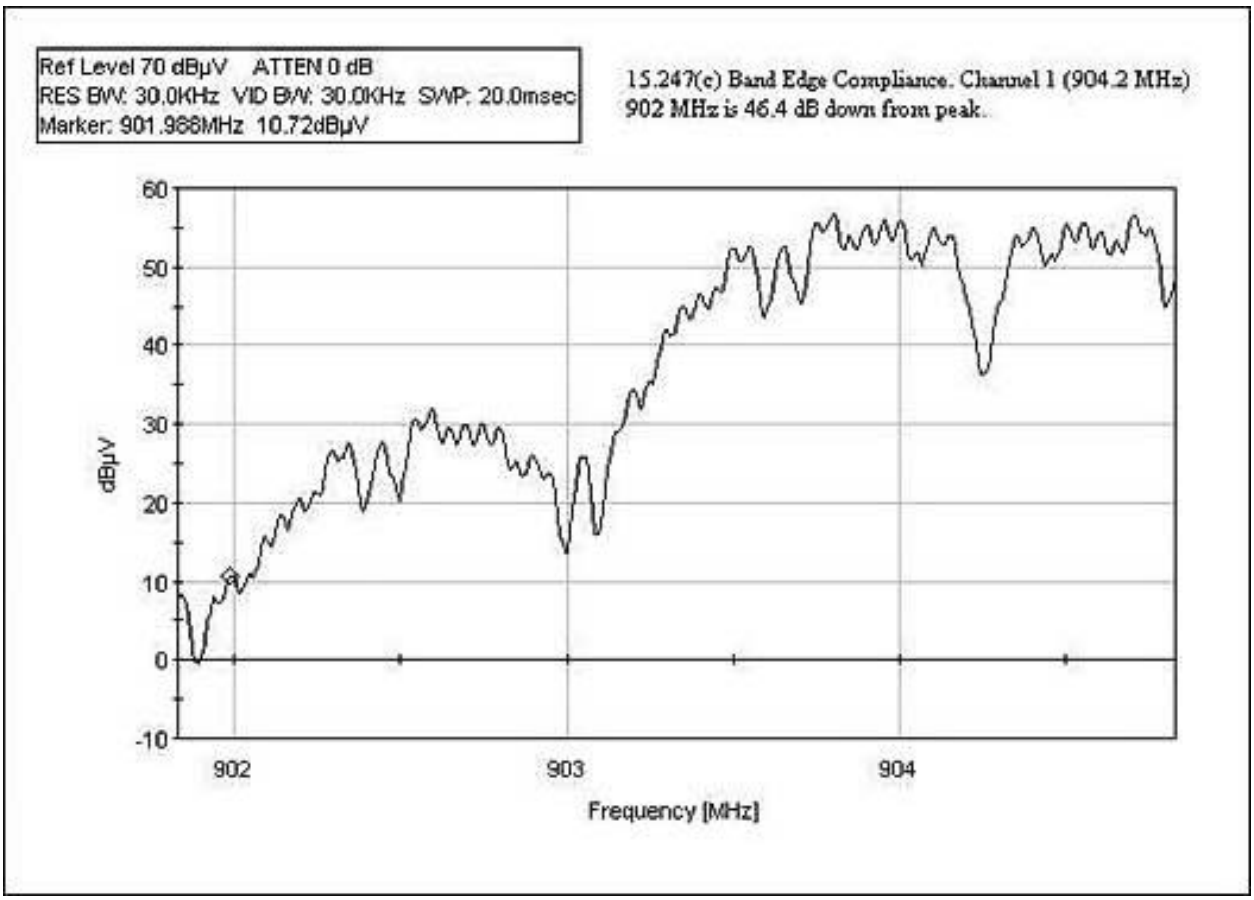
FCC 15.247(b)(4) DIRECTIONAL GAIN REDUCTION: BASE STATION

Antenna gain is less than 6dBi.

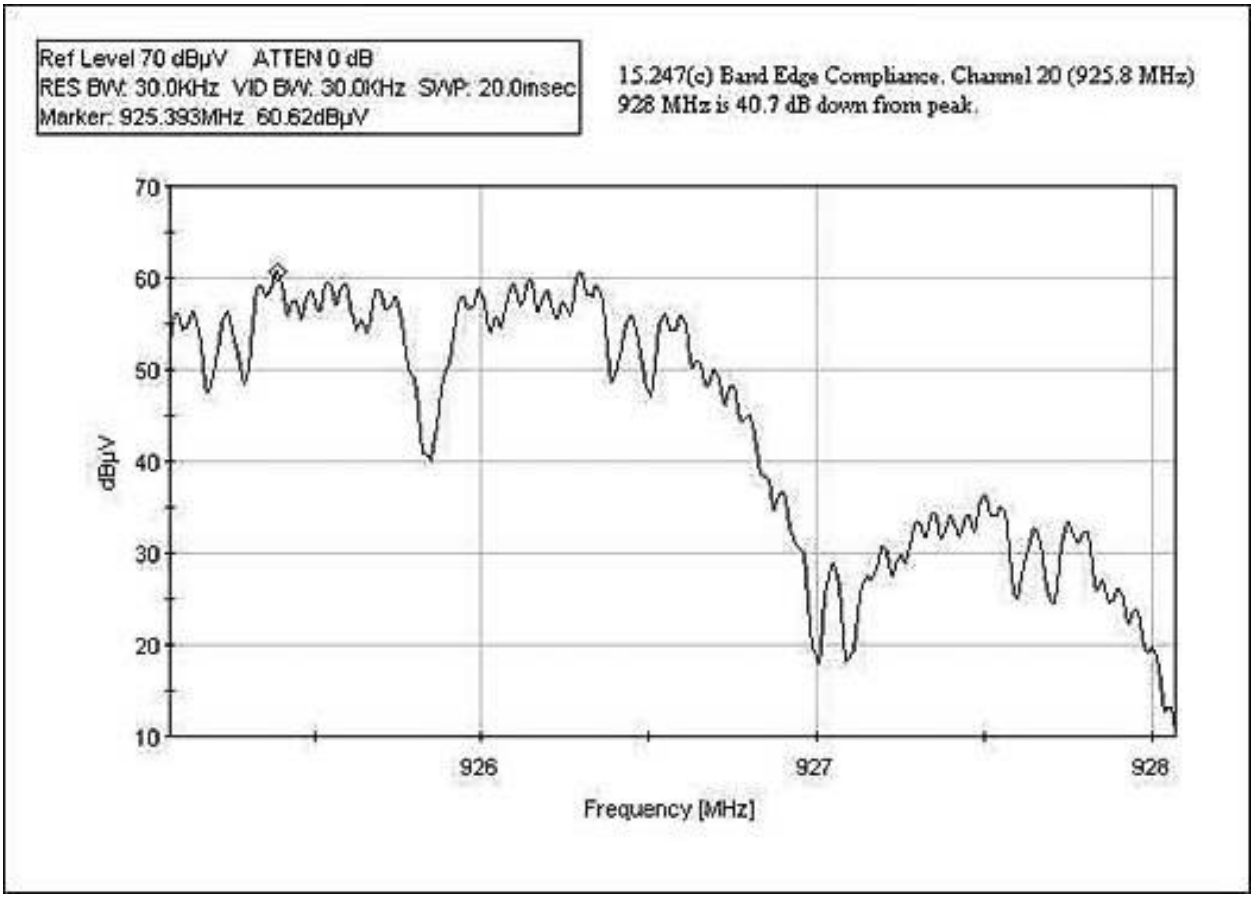
FCC 15.247(c) BAND EDGE - LOW CHANNEL, HORIZONTAL - BASE STATION



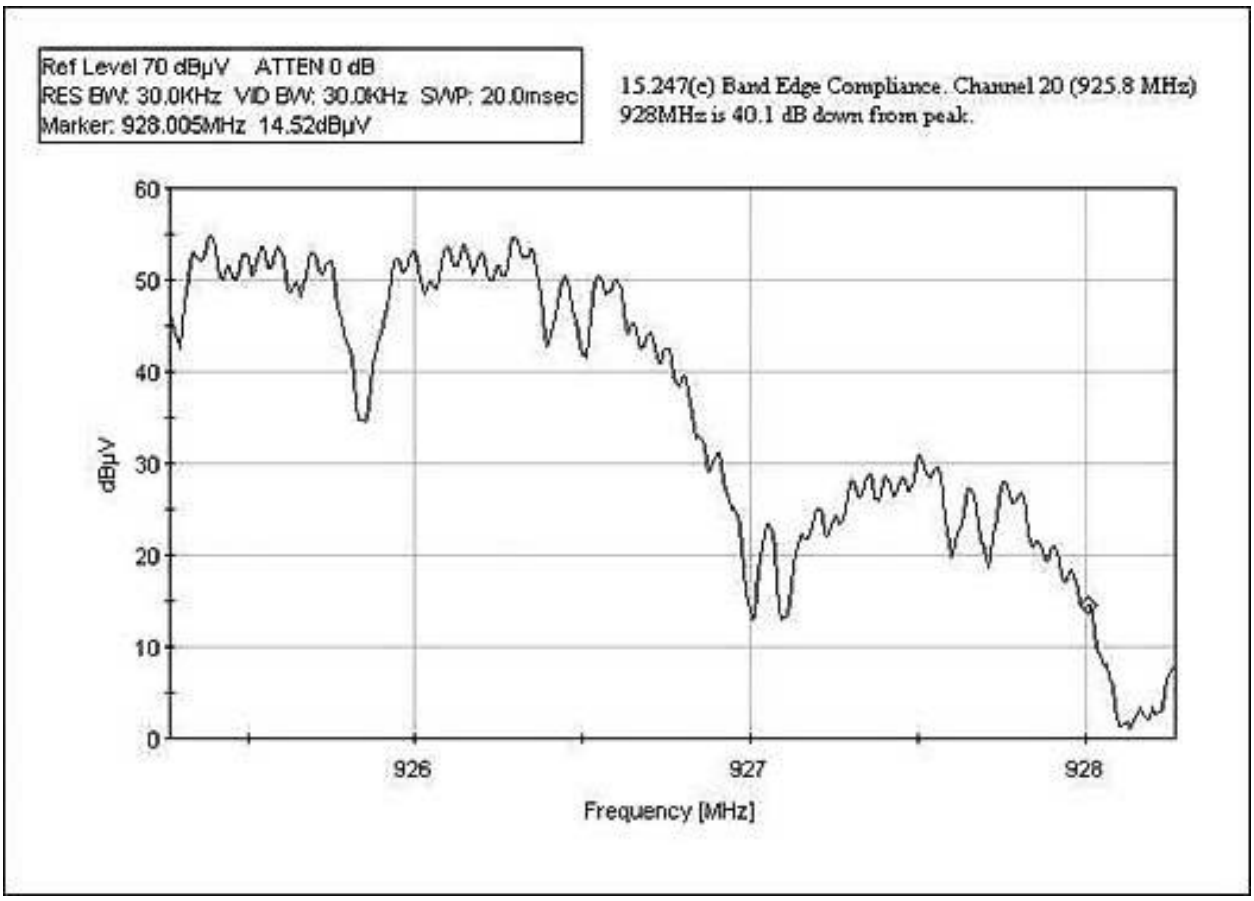
FCC 15.247(c) BAND EDGE - LOW CHANNEL, VERTICAL - BASE STATION



FCC 15.247(c) BAND EDGE - HIGH CHANNEL, HORIZONTAL - BASE STATION



FCC 15.247(c) BAND EDGE - HIGH CHANNEL, VERTICAL - BASE STATION



The following tables report the six highest worst case levels recorded during the tests performed on the EUT. All readings taken are peak readings unless otherwise noted. The data sheets from which these tables were compiled are contained in Appendix C.

FCC 15.247(c) Six Highest Radiated Emission Levels: Base Station & Handset, 9kHz-30MHz

FREQUENCY MHz	METER READING dBµV	CORRECTION FACTORS Ant dB	Amp dB	Cable dB	Dist dB	CORRECTED READING dBµV/m	SPEC LIMIT dBµV/m	MARGIN dB	NOTES
0.114	36.1	9.9		0.0		46.0	82.4	-36.4	V
0.118	36.1	10.0		0.0		46.1	82.1	-36.0	V
0.157	48.2	10.0		0.0		58.2	79.6	-21.4	V
1.146	29.2	10.1		0.0		39.3	63.1	-23.8	V
9.391	14.0	9.6		0.0		23.6	56.6	-33.0	V
25.188	22.3	8.6		0.2		31.1	53.5	-22.4	V

Test Method: ANSI C63.4 (1992)
Spec Limit: FCC Part 15 Subpart C Section 15.247(c)
Test Distance: 3 Meters

NOTES: V = Vertical Polarization

COMMENTS: EUTs configured for BLER test. This table represents worst case of the three orthogonals tested.

FCC 15.247(c) Six Highest Radiated Emission Levels: Base Station, 30-1000MHz									
	METER	CORRECTION FACTORS				CORRECTED	SPEC		
FREQUENCY MHz	READING dBµV	Ant dB	Amp dB	Cable dB	Dist dB	READING dBµV/m	LIMIT dBµV/m	MARGIN dB	NOTES
385.200	26.1	16.1		1.6		43.8	46.0	-2.2	H-3
385.731	26.4	16.1		1.6		44.1	46.0	-1.9	H-2
385.731	25.6	16.1		1.6		43.3	46.0	-2.7	H-1
849.666	18.0	22.7		2.3		43.0	46.0	-3.0	H-2
868.640	17.4	23.0		2.3		42.7	46.0	-3.3	H-2
884.695	20.1	23.2		2.4		45.7	46.0	-0.3	H-3

Test Method: ANSI C63.4 (1992)
Spec Limit: FCC Part 15 Subpart C Section 15.247(c)
Test Distance: 3 Meters

NOTES: H = Horizontal Polarization
1 = Low Channel
2 = Middle Channel
3 = High Channel

COMMENTS: Horizontal and vertical positions for the Base Station. 120V 60Hz. Low, middle and high channels. Transmitter operating at full power without modulation. This table represents worst case of the three orthogonals tested.

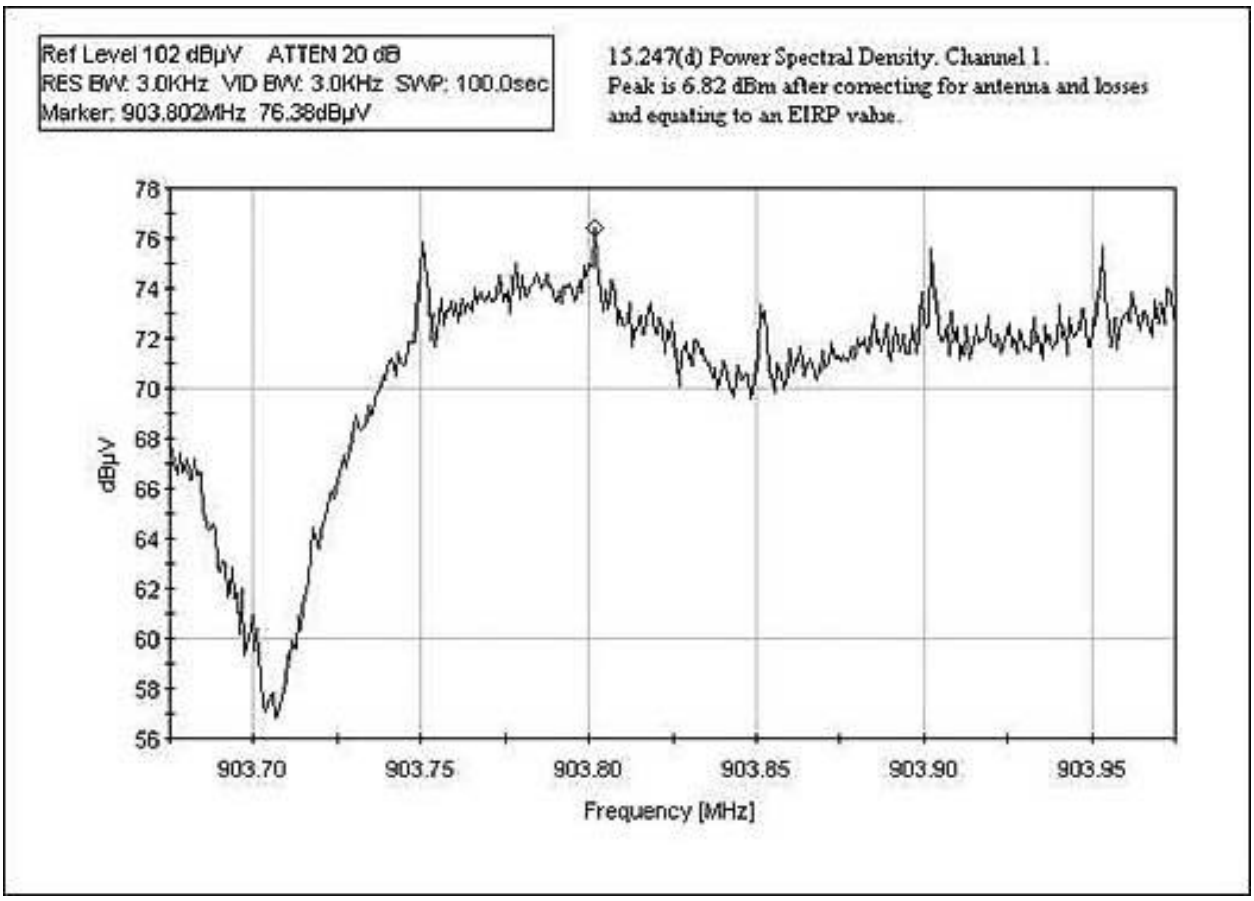
FCC 15.247(c) Six Highest Radiated Emission Levels: Base Station, 1-10GHz									
	METER	CORRECTION FACTORS				CORRECTED	SPEC		
FREQUENCY MHz	READING dBµV	Ant dB	Amp dB	Cable dB	Dist dB	READING dBµV/m	LIMIT dBµV/m	MARGIN dB	NOTES
1810.000	60.7	26.6	-27.6		-10.0	49.7	54.0	-4.3	V-1
1810.000	57.7	26.6	-27.6		-10.0	46.7	54.0	-7.3	H-1
1830.000	55.7	26.7	-27.6		-10.0	44.8	54.0	-9.2	H-2
1853.333	55.3	26.8	-27.6		-10.0	44.5	54.0	-9.5	H-3
4520.000	49.3	31.8	-26.8		-10.0	44.3	54.0	-9.7	V-1
9360.000	42.7	38.7	-26.6		-10.0	44.8	54.0	-9.2	V-3

Test Method: ANSI C63.4 (1992)
Spec Limit: FCC Part 15 Subpart C Section 15.247(c)
Test Distance: 1 Meters

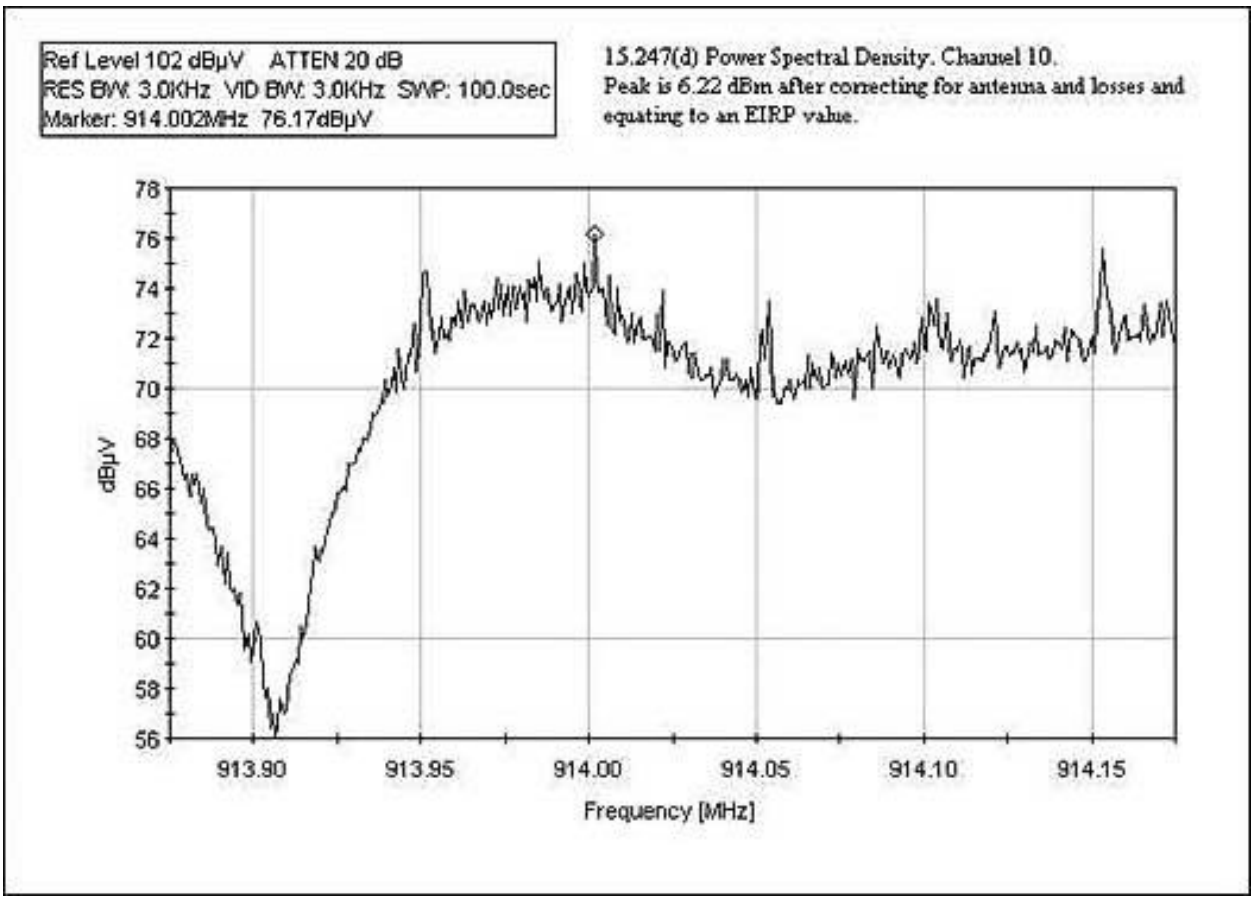
NOTES:
H = Horizontal Polarization
V = Vertical Polarization
1 = Low Channel
2 = Middle Channel
3 = High Channel

COMMENTS: Horizontal and vertical positions for the Base Station. 120V 60Hz. Low, middle and high channels. Transmitter operating at full power without modulation. This table represents worst case of the three orthogonals tested.

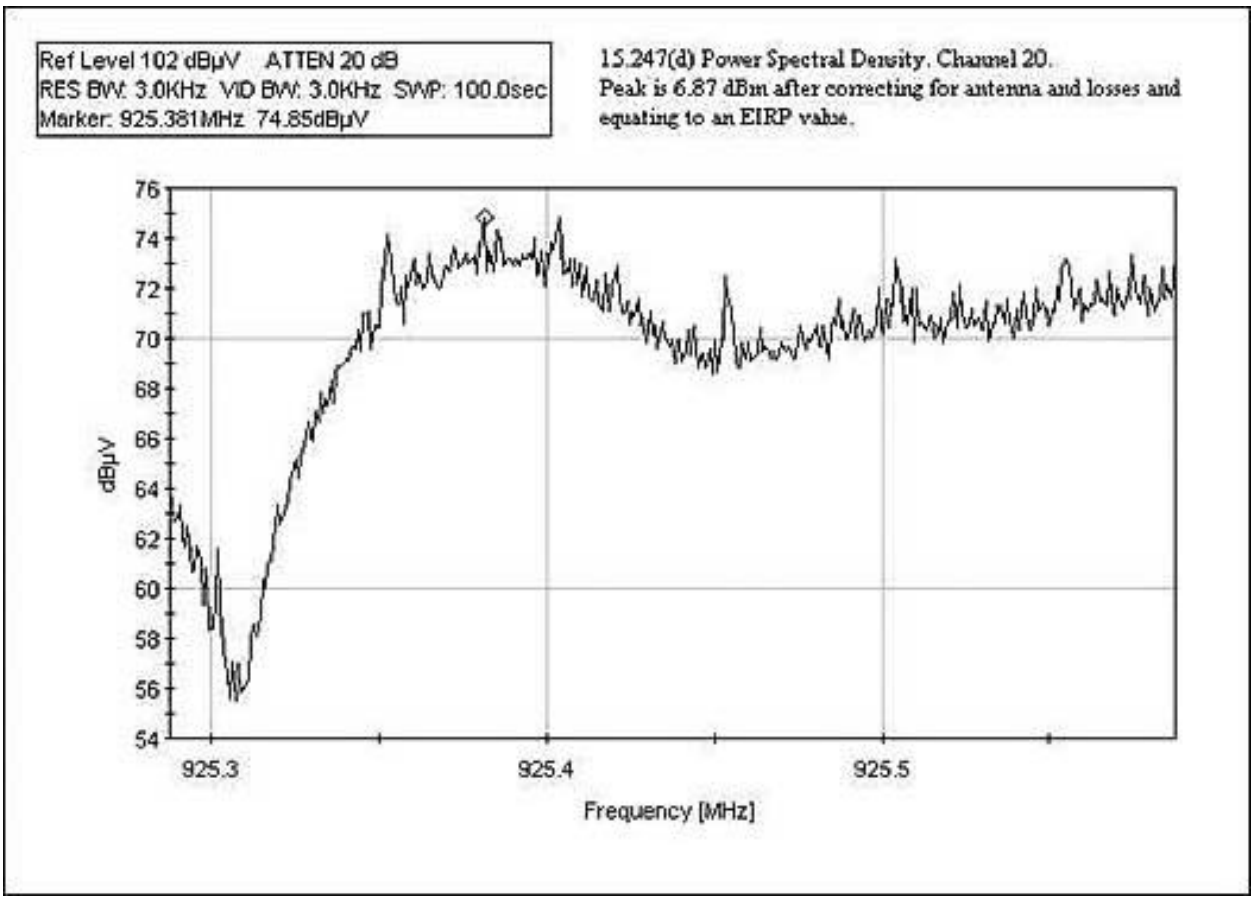
FCC 15.247(d) POWER SPECTRAL DENSITY - LOW CHANNEL - BASE STATION



FCC 15.247(d) POWER SPECTRAL DENSITY - MIDDLE CHANNEL - BASE STATION



FCC 15.247(d) POWER SPECTRAL DENSITY - HIGH CHANNEL - BASE STATION



FCC 2.1093 MAXIMUM PERMISSIBLE EXPOSURE CALCULATIONS – BASE STATION

Calculations prepared for:
Consumerware, Inc.
11730 118th Ave. NE, STE A 300
Kirkland, WA 98034

Calculations prepared by:
Andrew Pace
14797 NE 95th ST
Redmond, WA 98052

Model Number: Aero 2000
FCC Identification: 5QKAER2B Pending

Fundamental Operating Frequency: 902-928 MHz

Maximum Rated Output Power: 0.200 Watts (23 dBm)
Measured Maximum Output Power: 0.194 Watts (22.9 dBm)
(OATS, 916.5 MHz)

MPE limit in accordance with FCC part 1.1311, table 1
EIRP = Maximum Rated Output Power (dBm) + Antenna Gain (dBi)
EIRP = 23 dBm + 1 dBi = 24 dBm (251 mWatt)

EIRP = Maximum Measured Output Power (dBm) + Antenna Gain (dBi)
EIRP = 22.9 dBm + 1 dBi = 23.9 dBm (245 mWatt)

Limit for Maximum permissible exposure: (B) Limit for General population/uncontrolled Exposure:
For the frequency range of 1500-100,000 MHz, the MPE is 1 (mW/cm^2)

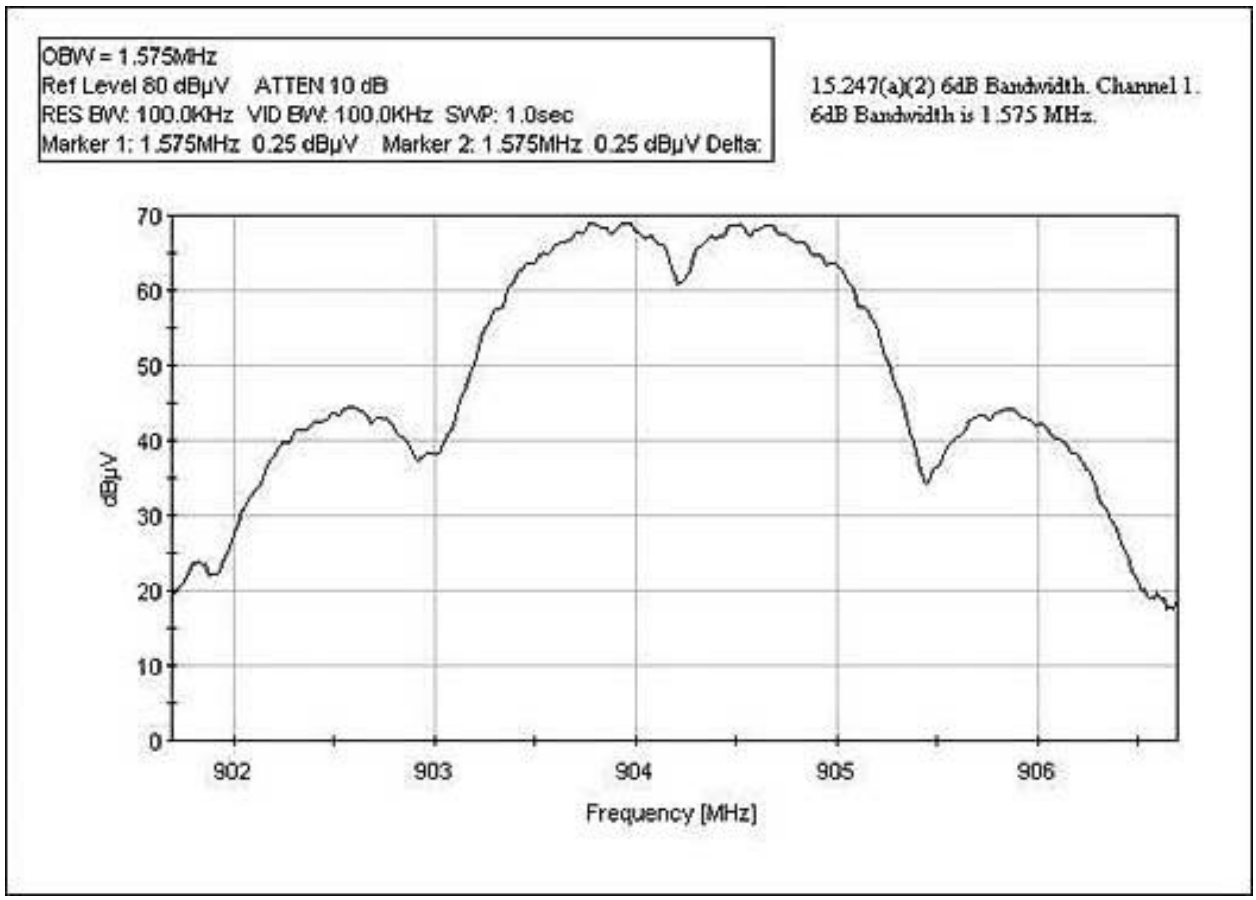
EIRP (mW)	Distance (cm)	Power Density (mW/cm2)	Limit (mW/cm2)	Result
245	20	0.0487	1.0000	PASS
251	20	0.0499	1.0000	PASS

Power Density (mW/cm^2) = $\frac{EIRP}{4*pi*d\text{^}2}$

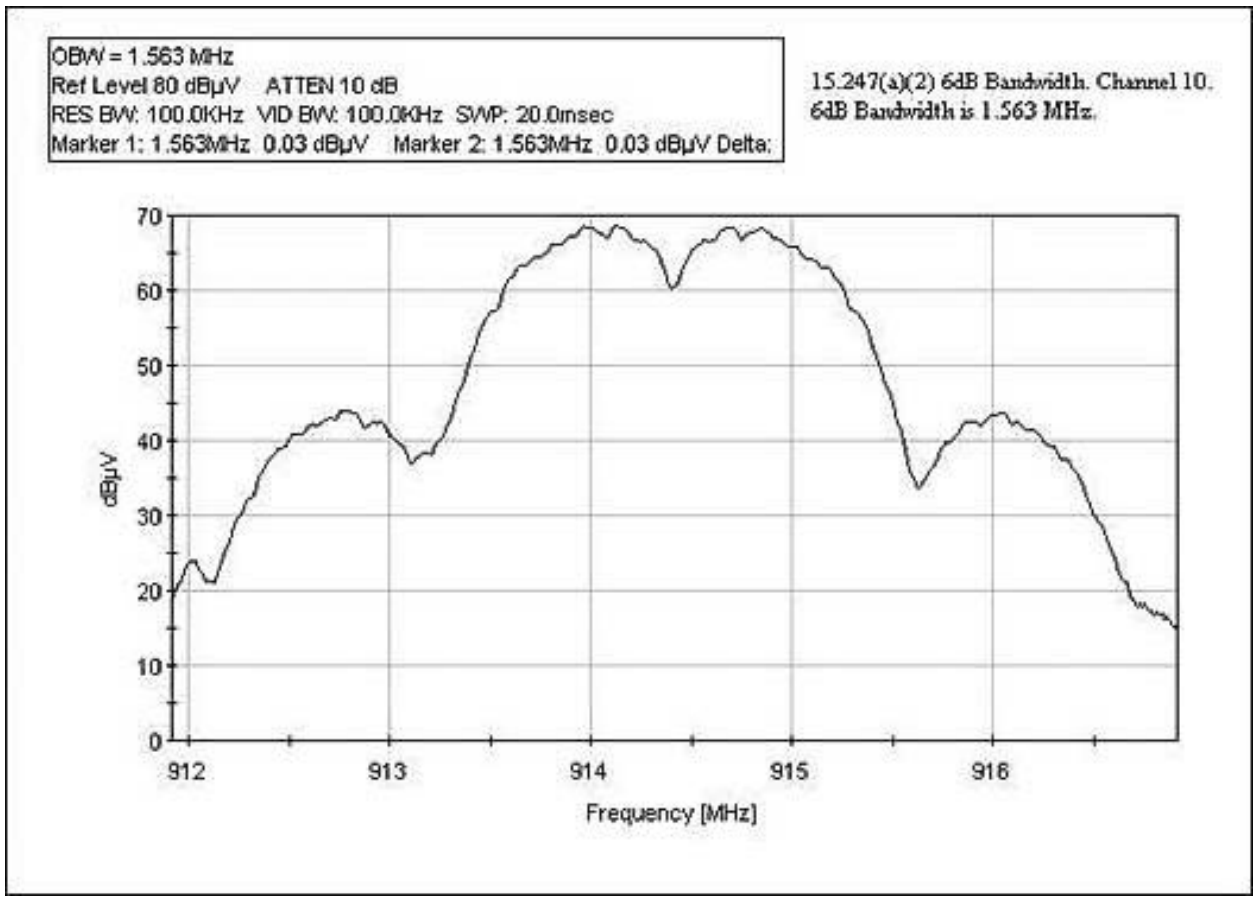
EIRP is given in mW
Distance (d) is given in centimeters

Under normal operating conditions, the antenna is designed to maintain a separation distance of 20 cm from all persons. As shown in the MPE results above, this device passes the limits specified in 1.1311 at a distance of 20 cm and at the rated output power of 0.200 Watts.
For the measured output power at the antenna terminal of 0.194 Watts, the EUT satisfies the requirement in the 1500 to 100000 MHz frequency range.

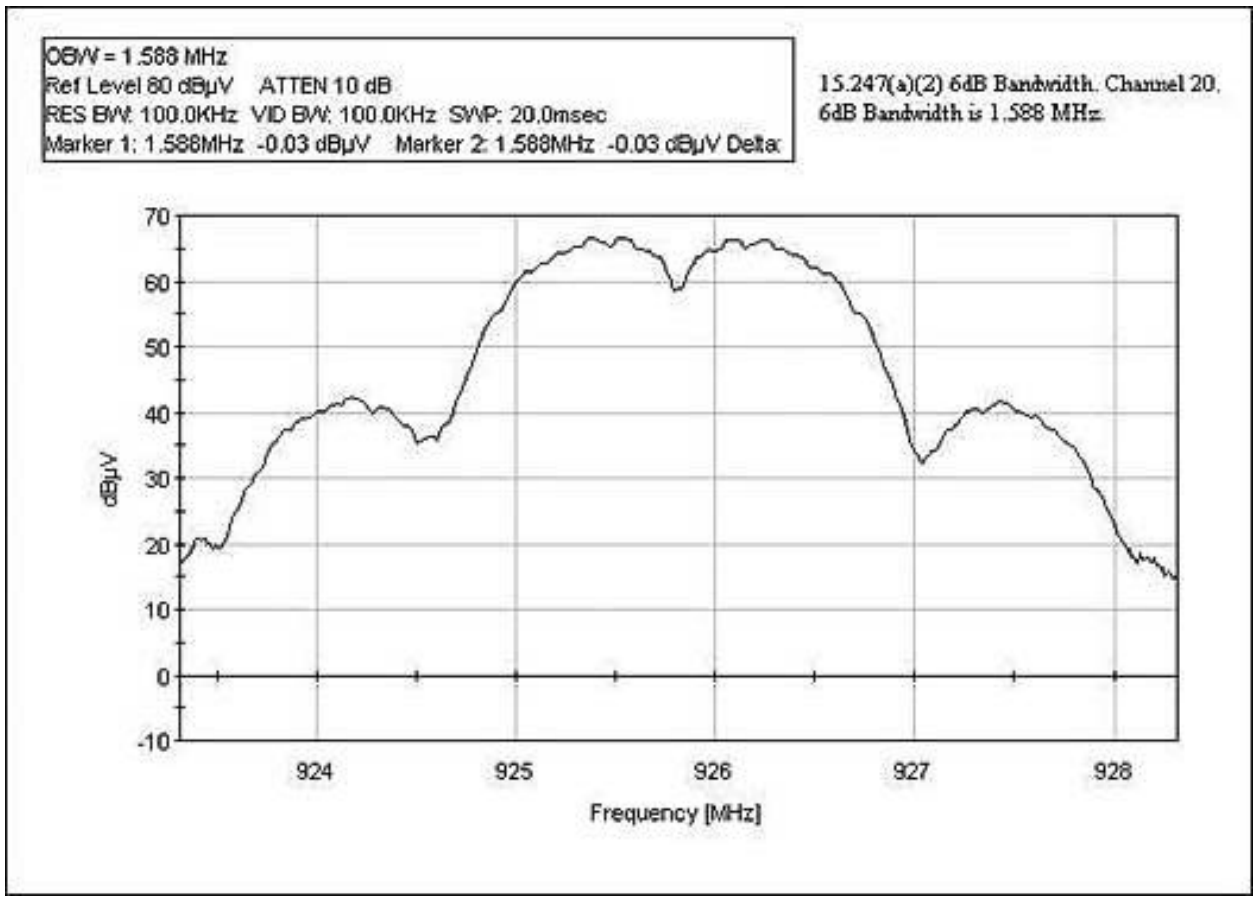
FCC 15.247(a)(2) OCCUPIED BANDWIDTH - LOW CHANNEL - HANDSET



FCC 15.247(a)(2) OCCUPIED BANDWIDTH - MIDDLE CHANNEL - HANDSET



FCC 15.247(a)(2) OCCUPIED BANDWIDTH - HIGH CHANNEL - HANDSET



FCC 15.247(b)(3) PEAK OUTPUT: HANDSET

Equipment setup: The EUT is a portable phone. It incorporates a base station and a cordless handset. The base station is connected to a PSTN through a normal phone cable.
The system operates in the 902-928 MHz ISM band. In order to make the transmitter measurements shown, the system was configured to transmit on one channel at full power without data or pulse modulation.
This measurement was made at three meters = d.

	Frequency (MHz)	Spectrum analyzer Measurement + BWC= Electric field (E) (V/m)	Antenna Gain (G) (numeric)	Measured Power P=(Ed)^2/30G (Watts)	EIRP Limit (Watts)	Result Pass/Fail
Channel 1	904.2	0.182	0.72	0.014	1	Pass
Channel 10	914.5	0.178	0.76	0.013	1	Pass
Channel 20	926.0	0.126	0.72	0.007	1	Pass

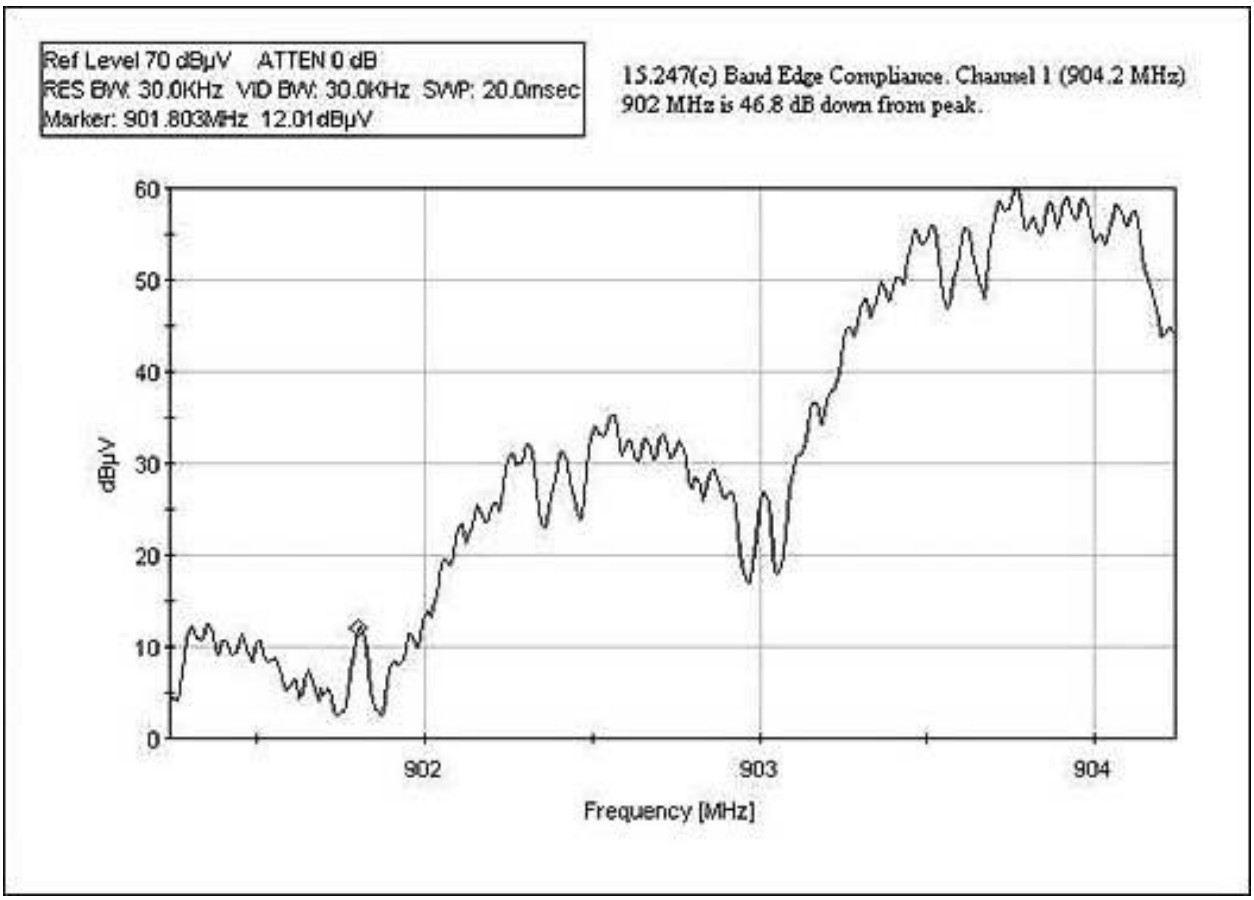
Note: BW corr = 10*10Log (Emission BW/measurement BW)
BW Corr = 10
Antenna Gain (G) relative

This table represents worst case of the three orthogonals tested.

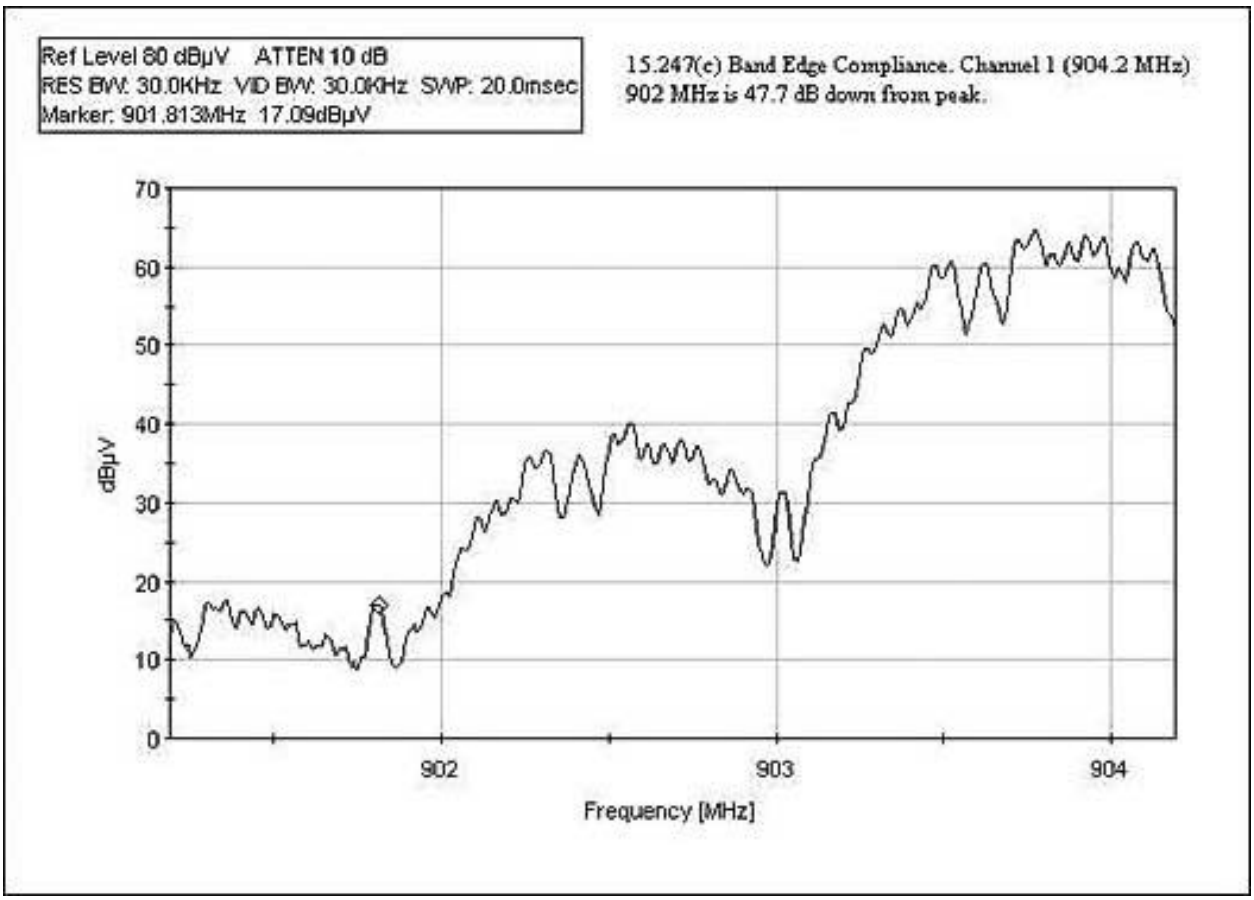
FCC 15.247(b)(4) DIRECTIONAL GAIN REDUCTION: HANDSET

Antenna gain is less than 6dBi.

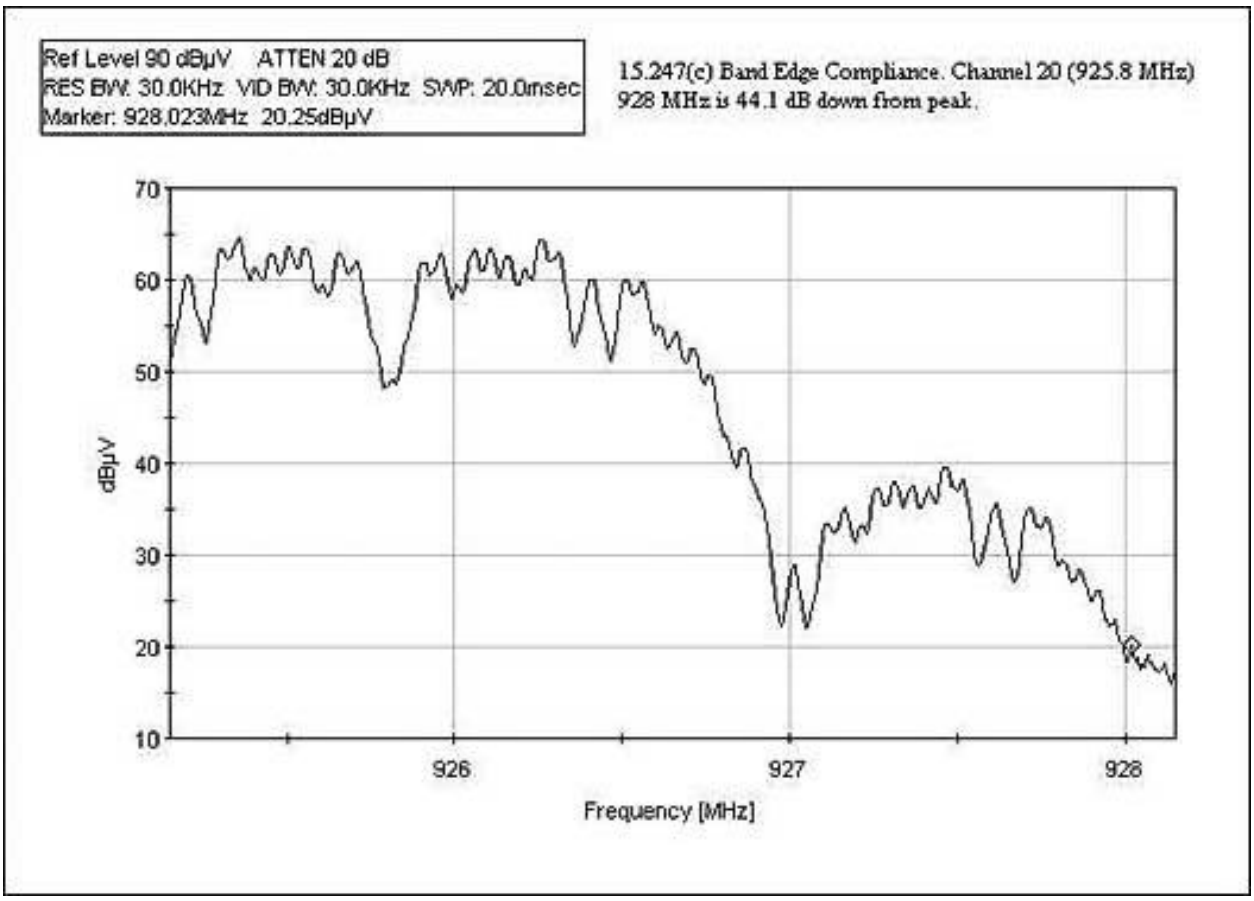
FCC 15.247(c) BAND EDGE - LOW CHANNEL, HORIZONTAL - HANDSET



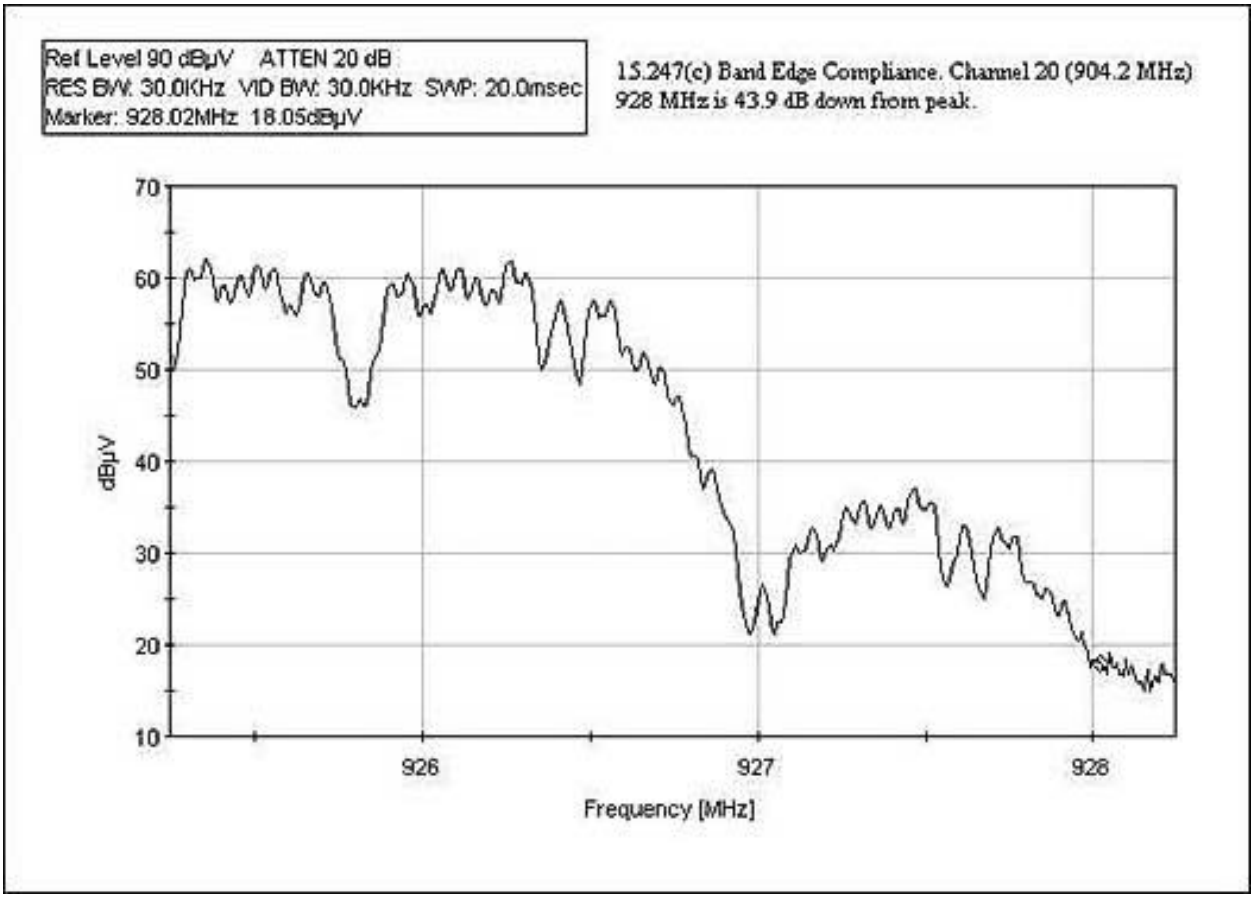
FCC 15.247(c) BAND EDGE - LOW CHANNEL, VERTICAL - HANDSET



FCC 15.247(c) BAND EDGE - HIGH CHANNEL, HORIZONTAL - HANDSET



FCC 15.247(c) BAND EDGE - HIGH CHANNEL, VERTICAL - HANDSET



FCC 15.247(c) Six Highest Radiated Emission Levels: Handset, 30-1000MHz									
	METER	CORRECTION FACTORS				CORRECTED	SPEC		
FREQUENCY MHz	READING dBµV	Ant dB	Amp dB	Cable dB	Dist dB	READING dBµV/m	LIMIT dBµV/m	MARGIN dB	NOTES
354.674	28.2	15.5		1.5		45.2	46.0	-0.8	H-1
361.982	27.4	15.7		1.5		44.6	46.0	-1.4	H-2
366.245	28.4	15.7		1.5		45.6	46.0	-0.4	H-2
374.161	28.2	15.9		1.6		45.7	46.0	-0.3	H-1
374.161	28.1	15.9		1.6		45.6	46.0	-0.4	H-2
380.860	27.1	16.0		1.6		44.7	46.0	-1.3	H-3

Test Method: ANSI C63.4 (1992)
Spec Limit: FCC Part 15 Subpart C Section 15.247(c)
Test Distance: 3 Meters

NOTES: H = Horizontal Polarization
V = Vertical Polarization
1 = Low Channel
2 = Middle Channel
3 = High Channel

COMMENTS: Horizontal and vertical positions for the Handset. 120V 60Hz. Low, middle and high channels. The headset is attached to the handset. Transmitter operating at full power without modulation. This table represents worst case of the three orthogonals tested.

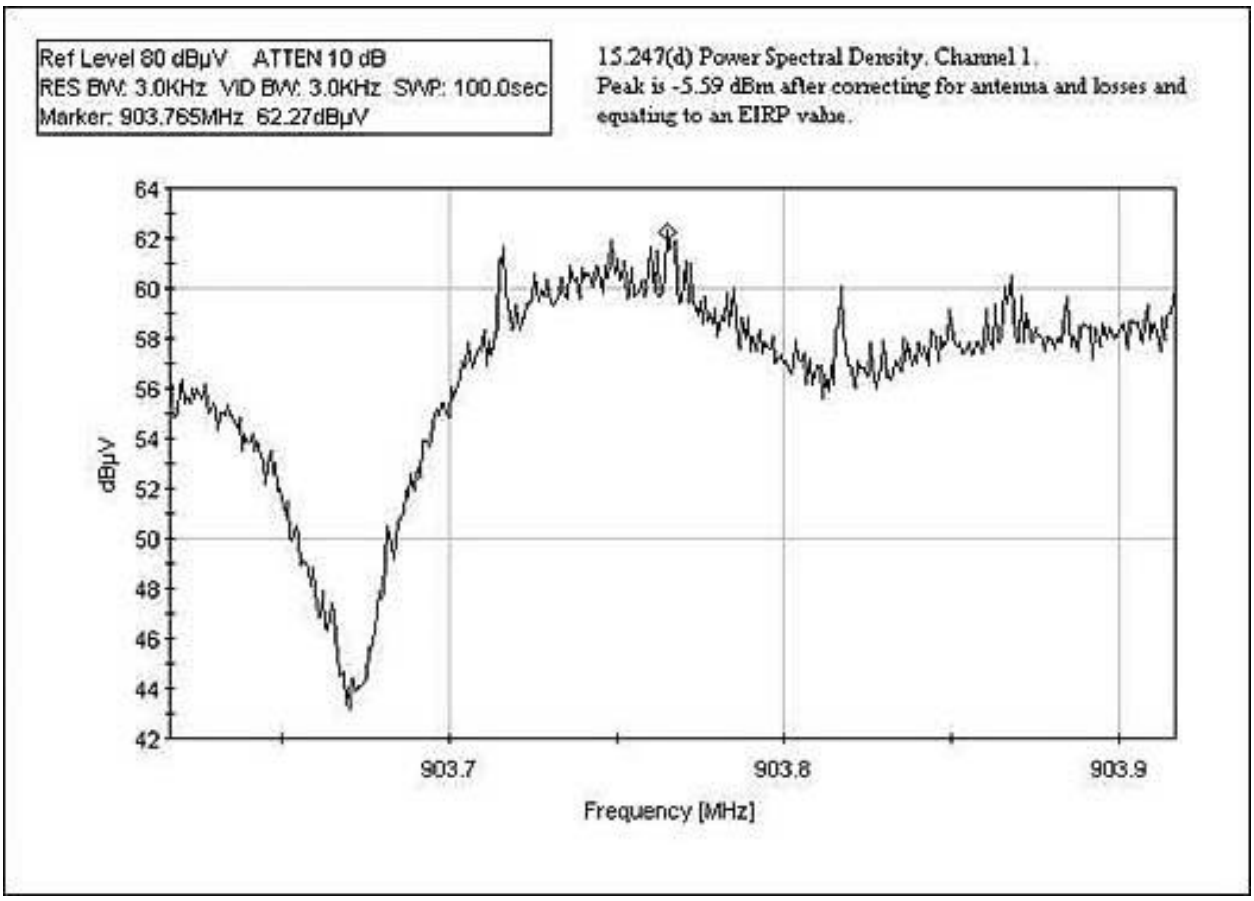
FCC 15.247(c) Six Highest Radiated Emission Levels: Handset, 1-10GHz									
	METER	CORRECTION FACTORS				CORRECTED	SPEC		
FREQUENCY MHz	READING dBµV	Ant dB	Amp dB	Cable dB	Dist dB	READING dBµV/m	LIMIT dBµV/m	MARGIN dB	NOTES
6960.000	42.3	35.5	-25.2		-10.0	42.6	54.0	-11.4	V-2
7300.000	42.8	36.8	-25.4		-10.0	43.7	54.0	-10.3	H-3
7353.333	43.3	36.5	-25.4		-10.0	44.4	54.0	-9.6	V-1
7360.000	43.3	36.5	-25.4		-10.0	44.4	54.0	-9.6	H-2
7493.333	43.0	36.8	-25.5		-10.0	44.3	54.0	-9.7	H-1
9373.334	42.5	38.8	-26.7		-10.0	44.6	54.0	-9.4	V-3

Test Method: ANSI C63.4 (1992)
Spec Limit: FCC Part 15 Subpart C Section 15.247(c)
Test Distance: 1 Meters

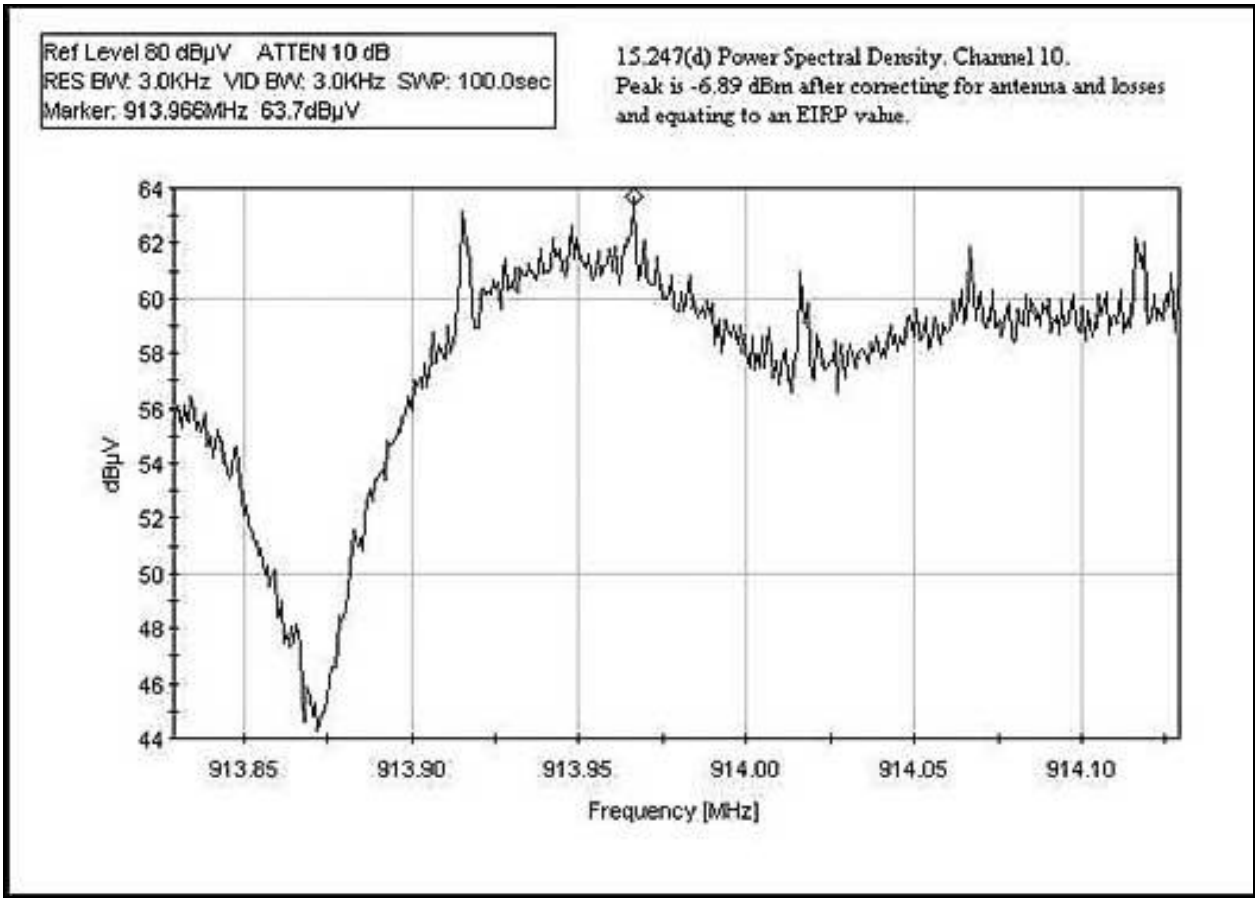
NOTES: H = Horizontal Polarization
V = Vertical Polarization
1 = Low Channel
2 = Middle Channel
3 = High Channel

COMMENTS: Horizontal and vertical positions for the Handset. 120V 60Hz. Low, middle and high channels. The headset is attached to the handset. Transmitter operating at full power without modulation. This table represents worst case of the three orthogonals tested.

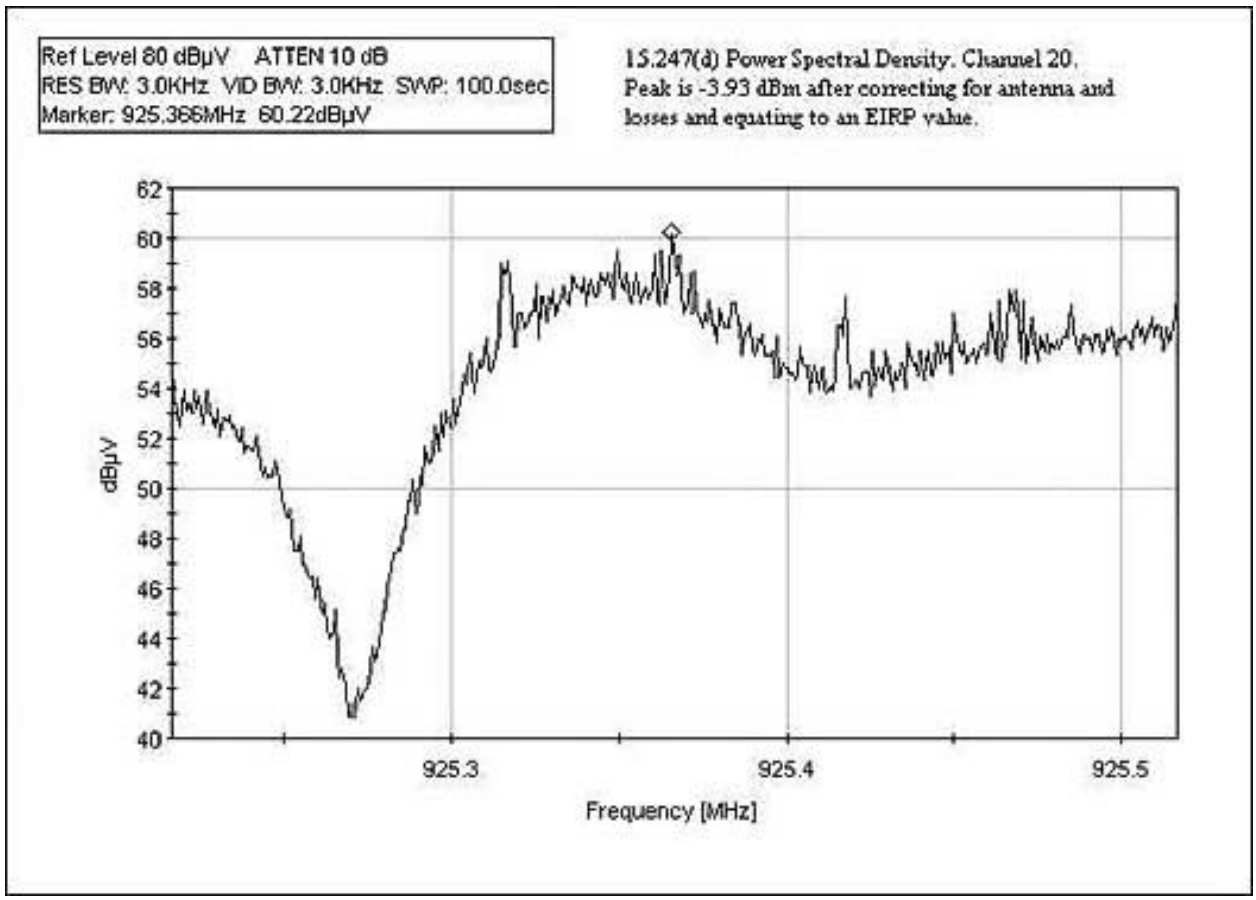
FCC 15.247(d) POWER SPECTRAL DENSITY - LOW CHANNEL - HANDSET



FCC 15.247(d) POWER SPECTRAL DENSITY - MIDDLE CHANNEL - HANDSET



FCC 15.247(d) POWER SPECTRAL DENSITY - HIGH CHANNEL - HANDSET



FCC 2.1093 MAXIMUM PERMISSIBLE EXPOSURE CALCULATIONS - HANDSET

Calculations prepared for:
Consumerware, Inc.
11730 118th Ave. NE, STE A 300
Kirklan, WA 98034

Calculations prepared by:
Andrew Pace
14797 NE 95th ST
Redmond, WA 98052

Model Number: Aero 2000
FCC Identification: Pending

Fundamental Operating Frequency: 902-928 MHz

Measured Maximum Output Power: 0.014 Watts (11.4 dBm)
(OATS, 916.5 MHz)

MPE limit in accordance with FCC part 1.1311, table 1

EIRP = Maximum Measured Output Power (dBm) + Antenna Gain (dBi)
EIRP = 11.4 dBm + 1 dBi = 12.4 dBm (17 mWatt)

Limit for Maximum permissible exposure: (B) Limit for General population/uncontrolled Exposure:
For the frequency range of 1500-100,000 MHz , the MPE is 1 (mW/cm^2)

EIRP (mW)	Distance (cm)	Power Density (mW/cm^2)	Result
17.38	1.18	1.000	Pass

$$\text{Power Density } (mW/cm^2) = \frac{EIRP}{4*pi*d\text{^}2}$$

EIRP is given in mW
Distance (d) is given in centimeters

Under normal operating conditions, the antenna is designed to maintain a separation distance of 3 cm from all persons. As shown in the MPE results above, this device passes the limits specified in 1.1311 at a distance of 3 cm and at the rated output power of 0.200 Watts. For the measured output power at the antenna terminal of 0.014 Watts, the EUT satisfies the requirement in the 1500 to 100000 MHz frequency range.

CISPR 22 Six Highest Conducted Emission Levels: Base Station & Handset									
FREQUENCY MHz	METER READING dBµV	CORRECTION FACTORS Cable dB	dB	dB	dB	CORRECTED READING dBµV	SPEC LIMIT dBµV	MARGIN dB	NOTES
0.151819	48.6	0.0				48.6	55.9	-7.3	W
0.159091	47.1	0.0				47.1	55.5	-8.4	B
0.528147	32.3	0.0				32.3	46.0	-13.7	B
1.012543	36.1	0.0				36.1	46.0	-9.9	W
1.075700	34.8	0.0				34.8	46.0	-11.2	W
4.026059	29.6	0.0				29.6	46.0	-16.4	B

Test Method: ANSI C63.4 (1992)
Spec Limit: CISPR 22 Class B

NOTES: B = Black Lead
W = White Lead

COMMENTS: Line & neutral. Base Station and Handset. System performing BLER test between the handset and base station to simulate full load. 150 kHz – 30 MHz tested.

TEMPERATURE AND HUMIDITY DURING TESTING

The temperature during testing was within +15°C and + 35°C.
The relative humidity was between 20% and 75%.

EUT SETUP

The equipment under test (EUT) was set up in a manner that represented its normal use, as shown in the photographs in Appendix A. Any special conditions required for the EUT to operate normally are identified in the comments that accompany the emissions tables. The corrected data was then compared to the applicable emission limits to determine compliance.

The cables were routed consistent with the typical application by varying the configuration of the test sample. Interface cables were connected to the available I/O ports of the test unit. The effect of varying the position of the cables was investigated to find the configuration that produced maximum emissions. I/O cables were of the type and length specified in the individual requirements. The length of cable that produced maximum emissions was selected.

The radiated and conducted emissions data of the EUT was taken with the HP Spectrum Analyzer. Incorporating the applicable correction factors for distance, antenna, cable loss and amplifier gain, the data was reduced as shown in Table A.

Preliminary and final measurements were taken in order to ensure that all emissions from the EUT were found and maximized.

CORRECTION FACTORS

The basic spectrum analyzer reading was converted using correction factors as shown in the highest emissions readings in the tables. For radiated emissions in dBµV/m, the spectrum analyzer reading in dBµV was corrected by using the following formula in Table A. This reading was then compared to the applicable specification limit to determine compliance.

TABLE A: SAMPLE CALCULATIONS

	Meter reading	(dBµV)
+	Antenna Factor	(dB)
+	Cable Loss	(dB)
-	Distance Correction	(dB)
-	Preamplifier Gain	(dB)
=	Corrected Reading	(dBµV/m)

TEST INSTRUMENTATION AND ANALYZER SETTINGS

The test instrumentation and equipment listed in Table A were used to collect both the radiated and conducted emissions data for the EUT. For radiated measurements from 9 kHz to 30 MHz, the magnetic loop antenna was used. For frequencies from 30 to 1000 MHz, the biconilog antenna was used. The horn antenna was used for frequencies above 1000 MHz. All antennas were located at a distance of 3 meters from the edge of the EUT. Conducted emissions tests required the use of the FCC type LISNs.

The HP spectrum analyzer was used for all measurements. Table B shows the analyzer bandwidth settings that were used in designated frequency bands. For conducted emissions, an appropriate reference level and a vertical scale size of 10 dB per division were used. A 10 dB external attenuator was also used during conducted tests, with internal offset correction in the analyzer. During radiated testing, the measurements were made with 0 dB of attenuation, a reference level of 97 dBµV, and a vertical scale of 10 dB per division.

SPECTRUM ANALYZER DETECTOR FUNCTIONS

The notes that accompany the measurements contained in the Tables indicate the type of detector function used to obtain the given readings. Unless otherwise noted, all readings were made in the "Peak" mode. Whenever a "Quasi-Peak" or "Average" reading is listed as one of the six highest readings, this is indicated as a "Q" or an "A" in the appropriate table. The following paragraphs describe in more detail the detector functions and when they were used to obtain the emissions data.

Peak

In this mode, the Spectrum Analyzer or test engineer recorded all emissions at their peak value as the frequency band selected was scanned. By combining this function with another feature of the analyzer called "peak hold," the analyzer had the ability to measure transients or low duty cycle transient emission peak levels. In this mode the analyzer made a slow scan across the frequency band selected and measured the peak emission value found at each frequency across the band.

Quasi-Peak

When the true peak values exceeded or were within 2 dB of the specification limit, quasi-peak measurements were taken using the HP Quasi-Peak Adapter for the HP Spectrum Analyzer. The detailed procedure for making quasi peak measurements contained in the HP Quasi-Peak Adapter manual were followed.

Average

For certain frequencies, average measurements may be made using the spectrum analyzer. To make these measurements, the test engineer reduces the video bandwidth on the analyzer until the modulation of the signal is filtered out. At this point the analyzer is set into the linear mode and the scan time is reduced.

EUT TESTING

Mains Conducted Emissions

During conducted emissions testing, the EUT was located on a wooden table measuring approximately 80 cm high, 1 meter deep, and 1.5 meters in length. One wall of the room where the EUT was located has a minimum 2 meter by 2 meter conductive plane. The EUT was mounted on the wooden table 40 cm away from the conductive plane, and 80 cm from any other conductive surface.

The vertical metal plane used for conducted emissions was grounded to the earth. Power to the EUT was provided through a LISN. The LISN was grounded to the ground plane. All other objects were kept a minimum of 80 cm away from the EUT during the conducted test.

The LISNs used were 50 µH-/+50 ohms. Above 150 kHz, a 0.15 µF series capacitor was added in-line prior to connecting the analyzer to restore the proper impedance for the range. A 30 to 50 second sweep time was used for automated measurements in the frequency bands of 150 kHz to 500 kHz, and 500 kHz to 30 MHz. All readings within 20 dB of the limit were recorded, and those within 6 dB of the limit were examined with additional measurements using a slower sweep time.

Antenna Conducted Emissions

For measuring the signal strength on the RF output port of the EUT, the spectrum analyzer was connected directly to the EUT. The sweep time of the analyzer was adjusted so that the spectrum analyzer readings were always in a calibrated range. All readings within 20 dB of the limit were recorded.

Radiated Emissions

The EUT was mounted on a nonconductive, rotating table 80 cm above the conductive grid. The nonconductive table dimensions were 1 meter by 1.5 meters.

During the preliminary radiated scan, the EUT was powered up and operating in its defined FCC test mode. For radiated measurements from 9 kHz to 30 MHz, the magnetic loop antenna was used. The frequency range of 30 MHz to 1000 MHz was scanned with the biconilog antenna located about 1.5 meter above the ground plane in the vertical polarity. During this scan, the turntable was rotated and all peaks at or near the limit were recorded. A scan of the FM band from 88 to 110 MHz was then made using a reduced resolution bandwidth and frequency span. The biconilog antenna was changed to the horizontal polarity and the above steps were repeated. For frequencies exceeding 1000 MHz, the horn antenna was used. Care was taken to ensure that no frequencies were missed within the FM and TV bands. An analysis was performed to determine if the signals that were at or near the limit were caused by an ambient transmission. If unable to determine by analysis, the equipment was powered down to make the final determination if the EUT was the source of the emission.

A thorough scan of all frequencies was made manually using a small frequency span, rotating the turntable as needed. The test engineer maximized the readings with respect to the table rotation and configuration of EUT. Maximizing of the EUT was achieved by monitoring the spectrum analyzer on a closed circuit television monitor.

APPENDIX A

INFORMATION ABOUT THE EQUIPMENT UNDER TEST

INFORMATION ABOUT THE EQUIPMENT UNDER TEST	
Test Software/Firmware:	Firmware “AV”
CRT was displaying:	
Power Supply Manufacturer:	Hon-Kwang
Power Supply Part Number:	D9-04A
AC Line Filter Manufacturer:	
AC Line Filter Part Number:	

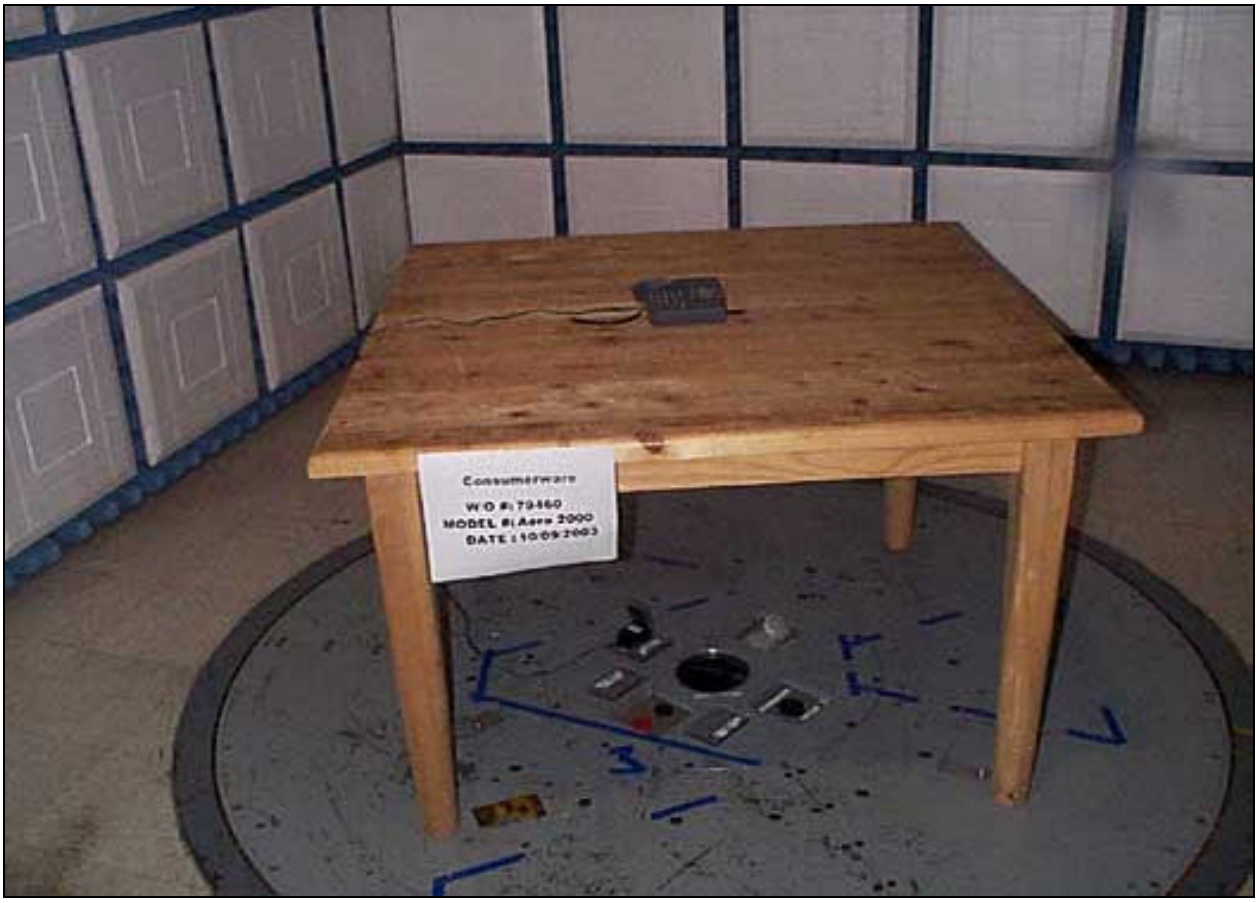
I/O PORTS	
Type	#
RJ11 telephone line	1

CRYSTAL OSCILLATORS	
Type	Freq In MHz
MCU CRYSTAL OSC	19.2MHZ

PRINTED CIRCUIT BOARDS				
Function	Model & Rev	Clocks, MHz	Layers	Location
Main base PCB	DSS02BX Rev “I”	19.2MHZ	4	Base
Transceiver PCB	DSS02R900 Rev “P’	9.6MHZ	2	Base, Handset
Main handset PCB	DSS02HX Rev “M:	19.2MHZ	4	Handset

BASE STATION - PHOTOGRAPH SHOWING OCCUPIED BANDWIDTH

BASE STATION - PHOTOGRAPH SHOWING PEAK OUTPUT POWER



BASE STATION - PHOTOGRAPH SHOWING LF RADIATED SPURIOUS EMISSIONS

BASE STATION - PHOTOGRAPH SHOWING HF RADIATED SPURIOUS EMISSIONS

BASE STATION - PHOTOGRAPH SHOWING BAND EDGE

BASE STATION - PHOTOGRAPH SHOWING POWER SPECTRAL DENSITY

BASE STATION - PHOTOGRAPH SHOWING MAINS CONDUCTED EMISSIONS

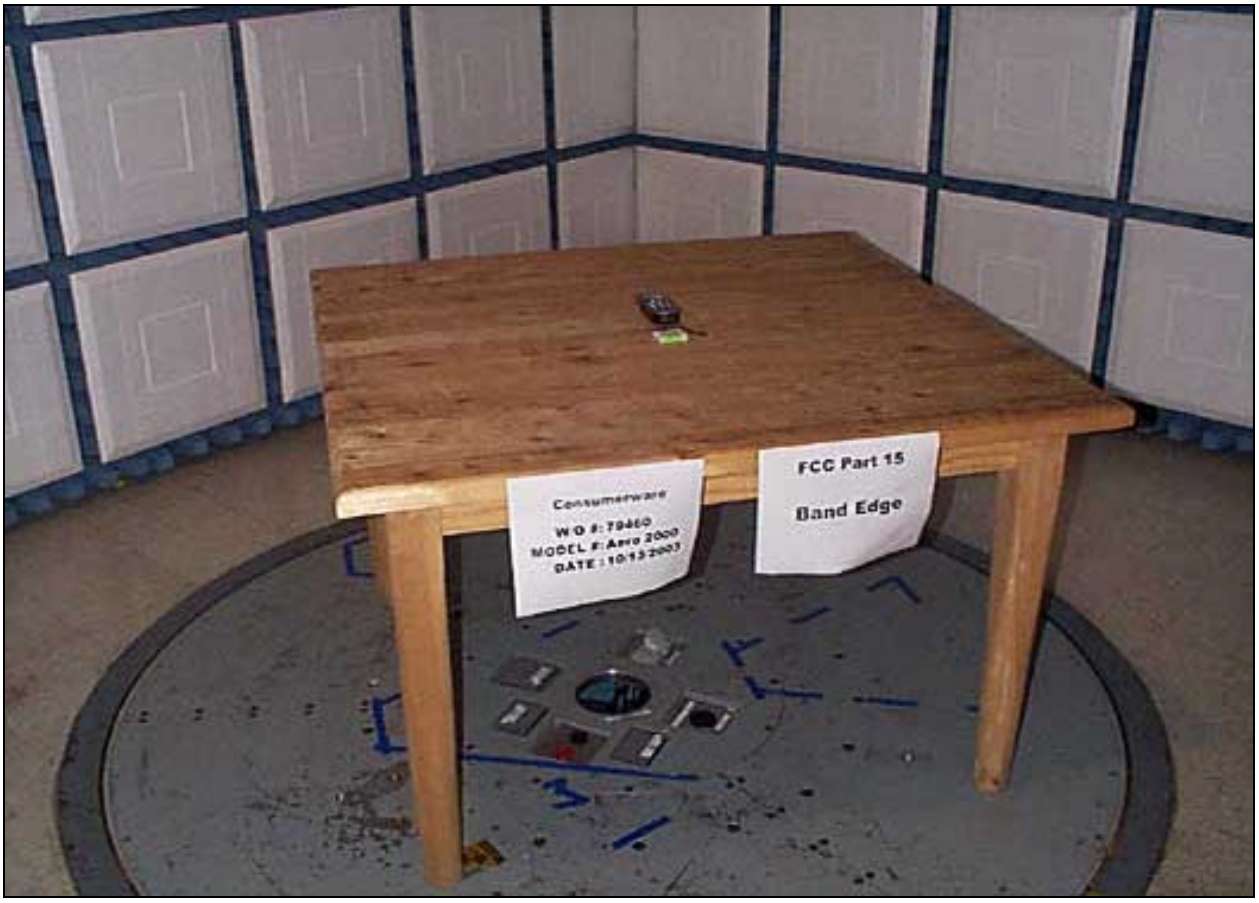
HANDSET - PHOTOGRAPH SHOWING OCCUPIED BANDWIDTH

HANDSET - PHOTOGRAPH SHOWING PEAK OUTPUT POWER

HANDSET - PHOTOGRAPH SHOWING RADIATED SPURIOUS EMISSIONS

HANDSET - PHOTOGRAPH SHOWING RADIATED SPURIOUS EMISSIONS

HANDSET - PHOTOGRAPH SHOWING BAND EDGE



HANDSET - PHOTOGRAPH SHOWING POWER SPECTRAL DENSITY

HANDSET - PHOTOGRAPH SHOWING MAINS CONDUCTED EMISSIONS

APPENDIX B

TEST EQUIPMENT LIST

Test Equipment: 15.247(a)(2), (a)(3) & (d)

Function	S/N	Calibration Date	Cal Due Date	Asset #
Chase CBL6111A Biconilog Antenna	1704	05/02/2003	05/02/2004	0
HP 8546A Spectrum Analyzer	3520A00260	07/19/2002	07/19/2004	0
HP 85460A Preselector	3448A00229	07/19/2002	07/19/2004	0
3m Chamber Gore Cable System	none	04/02/2003	04/02/2004	0

Test Equipment: 15.247(c) 9kHz – 30 MHz

Function	S/N	Calibration Date	Cal Due Date	Asset #
HP 8546A Spectrum Analyzer	3520A00260	07/19/2002	07/19/2004	Netro W2669
HP 85460A Preselector	3448A00229	07/19/2002	07/19/2004	Netro W2670
3m Chamber Gore Cable System	none	04/02/2003	04/02/2004	none
Mag Loop Antenna	2156	06/13/2003	06/13/2005	52

Test Equipment: 15.247(c) 30-1000 MHz

Function	S/N	Calibration Date	Cal Due Date	Asset #
Chase CBL6111A Biconilog Antenna	1704	05/02/2003	05/02/2004	0
HP 8546A Spectrum Analyzer	3520A00260	07/19/2002	07/19/2004	0
HP 85460A Preselector	3448A00229	07/19/2002	07/19/2004	0
3m Chamber Gore Cable System	none	04/02/2003	04/02/2004	0

Test Equipment: 15.247(c) 1-10 GHz

Function	S/N	Calibration Date	Cal Due Date	Asset #
Pre-amp HP 83051a	3332A00284	08/25/2003	08/25/2004	1407
Horn EMCO 3115	9606-4854	11/25/2002	11/25/2003	1412
HP 8563E Spectrum Analyzer	3821A09031	10/25/2002	10/25/2003	0
3m Chamber Gore Cable System	none	04/02/2003	04/02/2004	0

Test Equipment: Mains Conducted

Function	S/N	Calibration Date	Cal Due Date	Asset #
LISN	9508-2452	10/04/2002	10/04/2004	0
HP 8546A Spectrum Analyzer	3520A00260	07/19/2002	07/19/2004	0
HP 85460A Preselector	3448A00229	07/19/2002	07/19/2004	0
3m Chamber Gore Cable System	none	04/02/2003	04/02/2004	0

APPENDIX C
MEASUREMENT DATA SHEETS

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **VDE A MAG**
Work Order #: **79460** Date: 11/14/03
Test Type: **Radiated Scan** Time: 4:39:47 PM
Equipment: **Cordless Phone Handset** Sequence#: 1
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none
Cordless Phone Base Station	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

EUTs configured for BLER test.

Transducer Legend:

T1=Netro Gore System Cables	T2=Mag-Loop

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	157.201k	48.2	+0.0	+10.0			+0.0	58.2	79.6	-21.4	Vert
2	25.188M	22.3	+0.2	+8.6			+0.0	31.1	53.5	-22.4	Vert
3	1.146M	29.2	+0.0	+10.1			+0.0	39.3	63.1	-23.8	Vert
4	9.391M	14.0	+0.0	+9.6			+0.0	23.6	56.6	-33.0	Vert
5	118.083k	36.1	+0.0	+10.0			+0.0	46.1	82.1	-36.0	Vert
6	114.094k	36.1	+0.0	+9.9			+0.0	46.0	82.4	-36.4	Vert
7	111.814k	36.0	+0.0	+9.9			+0.0	45.9	82.5	-36.6	Vert
8	50.165k	42.1	+0.0	+10.6			+0.0	52.7	89.5	-36.8	Vert
9	147.340k	33.1	+0.0	+10.0			+0.0	43.1	80.1	-37.0	Vert
10	148.860k	33.0	+0.0	+10.0			+0.0	43.0	80.0	-37.0	Vert
11	28.402k	46.1	+0.0	+11.2			+0.0	57.3	94.4	-37.1	Vert

12	96.806k	36.5	+0.0	+10.2	+0.0	46.7	83.8	-37.1	Vert
13	99.655k	36.2	+0.0	+10.2	+0.0	46.4	83.5	-37.1	Vert
14	144.871k	33.2	+0.0	+9.9	+0.0	43.1	80.3	-37.2	Vert
15	32.563k	44.8	+0.0	+11.1	+0.0	55.9	93.2	-37.3	Vert
16	67.767k	39.0	+0.0	+10.4	+0.0	49.4	86.9	-37.5	Vert
17	76.858k	37.8	+0.0	+10.4	+0.0	48.2	85.8	-37.6	Vert
18	19.441k	46.8	+0.0	+11.7	+0.0	58.5	97.7	-39.2	Vert
19	13.200k	47.7	+0.0	+12.7	+0.0	60.4	101.1	-40.7	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/9/03
Test Type: **Maximized Emissions** Time: 9:34:23 AM
Equipment: **Cordless Phone Base Station** Sequence#: 1
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Horizontal. Base Station. 120V 60Hz. Low Channel. Transmitter operating at full power without modulation. 30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	907.818M	78.6	+2.4	+23.7			+0.0	104.7	46.0 fundamental	+58.7	Horiz
2	385.731M	25.6	+1.6	+16.1			+0.0	43.3	46.0	-2.7	Horiz
3	306.567M	27.2	+1.4	+13.9			+0.0	42.5	46.0	-3.5	Horiz
4	303.522M	26.8	+1.4	+13.8			+0.0	42.0	46.0	-4.0	Horiz
5	849.289M	16.6	+2.3	+22.7			+0.0	41.6	46.0	-4.4	Horiz
6	840.510M	16.5	+2.3	+22.6			+0.0	41.4	46.0	-4.6	Horiz
7	298.650M	25.9	+1.4	+13.7			+0.0	41.0	46.0	-5.0	Horiz
8	954.641M	13.5	+2.6	+24.9			+0.0	41.0	46.0	-5.0	Horiz
9	297.432M	25.6	+1.4	+13.7			+0.0	40.7	46.0	-5.3	Horiz
10	187.820M	26.8	+1.1	+10.0			+0.0	37.9	43.5	-5.6	Horiz
11	311.438M	23.8	+1.4	+14.1			+0.0	39.3	46.0	-6.7	Horiz
12	277.946M	24.6	+1.3	+13.3			+0.0	39.2	46.0	-6.8	Horiz

13	405.218M	20.7	+1.6	+16.5	+0.0	38.8	46.0	-7.2	Horiz
14	192.692M	24.9	+1.2	+10.1	+0.0	36.2	43.5	-7.3	Horiz
15	279.164M	24.1	+1.3	+13.3	+0.0	38.7	46.0	-7.3	Horiz
16	288.907M	23.5	+1.3	+13.5	+0.0	38.3	46.0	-7.7	Horiz
17	802.467M	13.8	+2.3	+22.2	+0.0	38.3	46.0	-7.7	Horiz
18	284.644M	23.1	+1.3	+13.4	+0.0	37.8	46.0	-8.2	Horiz
19	287.080M	23.0	+1.3	+13.5	+0.0	37.8	46.0	-8.2	Horiz
20	270.029M	23.2	+1.3	+13.2	+0.0	37.7	46.0	-8.3	Horiz
21	380.860M	19.9	+1.6	+16.0	+0.0	37.5	46.0	-8.5	Horiz
22	389.994M	19.5	+1.6	+16.2	+0.0	37.3	46.0	-8.7	Horiz
23	423.495M	18.0	+1.6	+16.9	+0.0	36.5	46.0	-9.5	Horiz
24	325.445M	20.3	+1.4	+14.6	+0.0	36.3	46.0	-9.7	Horiz
25	429.348M	17.6	+1.6	+17.0	+0.0	36.2	46.0	-9.8	Horiz
26	322.400M	20.2	+1.4	+14.5	+0.0	36.1	46.0	-9.9	Horiz
27	400.346M	18.0	+1.6	+16.4	+0.0	36.0	46.0	-10.0	Horiz
28	266.985M	21.4	+1.3	+13.1	+0.0	35.8	46.0	-10.2	Horiz
29	265.158M	21.0	+1.3	+13.1	+0.0	35.4	46.0	-10.6	Horiz
30	335.188M	18.9	+1.5	+14.9	+0.0	35.3	46.0	-10.7	Horiz
31	201.826M	21.2	+1.2	+10.3	+0.0	32.7	43.5	-10.8	Horiz
32	330.925M	18.8	+1.5	+14.8	+0.0	35.1	46.0	-10.9	Horiz
33	371.116M	17.7	+1.6	+15.8	+0.0	35.1	46.0	-10.9	Horiz
34	332.752M	18.6	+1.5	+14.8	+0.0	34.9	46.0	-11.1	Horiz
35	366.245M	17.7	+1.5	+15.7	+0.0	34.9	46.0	-11.1	Horiz
36	409.481M	16.7	+1.6	+16.6	+0.0	34.9	46.0	-11.1	Horiz
37	341.886M	18.0	+1.5	+15.1	+0.0	34.6	46.0	-11.4	Horiz
38	781.982M	10.1	+2.3	+22.2	+0.0	34.6	46.0	-11.4	Horiz

39	345.540M	17.7	+1.5	+15.3	+0.0	34.5	46.0	-11.5	Horiz
40	377.815M	16.9	+1.6	+16.0	+0.0	34.5	46.0	-11.5	Horiz
41	394.866M	16.4	+1.6	+16.3	+0.0	34.3	46.0	-11.7	Horiz
42	182.948M	20.7	+1.1	+9.9	+0.0	31.7	43.5	-11.8	Horiz
43	196.954M	19.7	+1.2	+10.2	+0.0	31.1	43.5	-12.4	Horiz
44	354.674M	16.6	+1.5	+15.5	+0.0	33.6	46.0	-12.4	Horiz
45	340.668M	16.8	+1.5	+15.1	+0.0	33.4	46.0	-12.6	Horiz
46	352.239M	16.5	+1.5	+15.4	+0.0	33.4	46.0	-12.6	Horiz
47	193.910M	19.5	+1.2	+10.1	+0.0	30.8	43.5	-12.7	Horiz
48	211.569M	18.6	+1.2	+10.9	+0.0	30.7	43.5	-12.8	Horiz
49	337.015M	16.7	+1.5	+15.0	+0.0	33.2	46.0	-12.8	Horiz
50	349.803M	16.3	+1.5	+15.4	+0.0	33.2	46.0	-12.8	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/9/03
Test Type: **Maximized Emissions** Time: 9:42:14 AM
Equipment: **Cordless Phone Base Station** Sequence#: 2
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Vertical. Base Station. 120V 60Hz. Low Channel. Transmitter operating at full power without modulation. 30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	905.129M	77.9	+2.4	+23.6			+0.0	103.9	46.0 fundamental	+57.9	Vert
2	951.835M	10.6	+2.6	+25.0			+0.0	38.2	46.0	-7.8	Vert
3	875.938M	12.5	+2.4	+23.1			+0.0	38.0	46.0	-8.0	Vert
4	839.449M	12.3	+2.3	+22.6			+0.0	37.2	46.0	-8.8	Vert
5	187.820M	23.2	+1.1	+10.0			+0.0	34.3	43.5	-9.2	Vert
6	858.424M	11.7	+2.3	+22.8			+0.0	36.8	46.0	-9.2	Vert
7	192.692M	22.5	+1.2	+10.1			+0.0	33.8	43.5	-9.7	Vert
8	808.799M	10.2	+2.3	+22.3			+0.0	34.8	46.0	-11.2	Vert
9	820.475M	9.6	+2.3	+22.4			+0.0	34.3	46.0	-11.7	Vert
10	306.567M	18.8	+1.4	+13.9			+0.0	34.1	46.0	-11.9	Vert
11	284.035M	19.3	+1.3	+13.4			+0.0	34.0	46.0	-12.0	Vert
12	302.304M	18.8	+1.4	+13.8			+0.0	34.0	46.0	-12.0	Vert

13	279.773M	19.2	+1.3	+13.4	+0.0	33.9	46.0	-12.1	Vert
14	298.650M	18.8	+1.4	+13.7	+0.0	33.9	46.0	-12.1	Vert
15	287.080M	18.6	+1.3	+13.5	+0.0	33.4	46.0	-12.6	Vert
16	288.907M	17.9	+1.3	+13.5	+0.0	32.7	46.0	-13.3	Vert
17	293.779M	17.5	+1.4	+13.6	+0.0	32.5	46.0	-13.5	Vert
18	282.817M	17.6	+1.3	+13.4	+0.0	32.3	46.0	-13.7	Vert
19	274.901M	17.6	+1.3	+13.3	+0.0	32.2	46.0	-13.8	Vert
20	385.731M	14.1	+1.6	+16.1	+0.0	31.8	46.0	-14.2	Vert
21	201.826M	17.4	+1.2	+10.3	+0.0	28.9	43.5	-14.6	Vert
22	196.954M	17.3	+1.2	+10.2	+0.0	28.7	43.5	-14.8	Vert
23	51.517M	15.7	+0.5	+8.3	+0.0	24.5	40.0	-15.5	Vert
24	30.949M	4.7	+0.3	+19.3	+0.0	24.3	40.0	-15.7	Vert
25	405.218M	12.1	+1.6	+16.5	+0.0	30.2	46.0	-15.8	Vert
26	311.438M	14.4	+1.4	+14.1	+0.0	29.9	46.0	-16.1	Vert
27	182.948M	16.2	+1.1	+9.9	+0.0	27.2	43.5	-16.3	Vert
28	211.569M	15.1	+1.2	+10.9	+0.0	27.2	43.5	-16.3	Vert
29	270.029M	15.2	+1.3	+13.2	+0.0	29.7	46.0	-16.3	Vert
30	316.310M	13.9	+1.4	+14.3	+0.0	29.6	46.0	-16.4	Vert
31	313.265M	13.4	+1.4	+14.2	+0.0	29.0	46.0	-17.0	Vert
32	268.203M	14.4	+1.3	+13.1	+0.0	28.8	46.0	-17.2	Vert
33	323.009M	12.9	+1.4	+14.5	+0.0	28.8	46.0	-17.2	Vert
34	423.477M	10.0	+1.6	+16.9	+0.0	28.5	46.0	-17.5	Vert
35	273.074M	13.8	+1.3	+13.2	+0.0	28.3	46.0	-17.7	Vert
36	265.158M	13.8	+1.3	+13.1	+0.0	28.2	46.0	-17.8	Vert
37	318.137M	12.3	+1.4	+14.3	+0.0	28.0	46.0	-18.0	Vert
38	40.126M	7.2	+0.4	+14.2	+0.0	21.8	40.0	-18.2	Vert

39	206.698M	13.3	+1.2	+10.6	+0.0	25.1	43.5	-18.4	Vert
40	352.239M	10.5	+1.5	+15.4	+0.0	27.4	46.0	-18.6	Vert
41	366.245M	10.2	+1.5	+15.7	+0.0	27.4	46.0	-18.6	Vert
42	346.758M	10.3	+1.5	+15.3	+0.0	27.1	46.0	-18.9	Vert
43	335.797M	10.4	+1.5	+14.9	+0.0	26.8	46.0	-19.2	Vert
44	398.519M	8.6	+1.6	+16.4	+0.0	26.6	46.0	-19.4	Vert
45	216.441M	14.2	+1.2	+11.1	+0.0	26.5	46.0	-19.5	Vert
46	221.313M	13.8	+1.2	+11.4	+0.0	26.4	46.0	-19.6	Vert
47	361.373M	9.3	+1.5	+15.6	+0.0	26.4	46.0	-19.6	Vert
48	325.445M	10.2	+1.4	+14.6	+0.0	26.2	46.0	-19.8	Vert
49	141.099M	10.2	+1.0	+12.3	+0.0	23.5	43.5	-20.0	Vert
50	408.872M	7.7	+1.6	+16.6	+0.0	25.9	46.0	-20.1	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/9/03
Test Type: **Maximized Emissions** Time: 11:11:59 AM
Equipment: **Cordless Phone Base Station** Sequence#: 7
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Horizontal. Base Station. 120V 60Hz. Mid Channel. Transmitter operating at full power without modulation. 30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	915.346M	78.5	+2.5	+23.9			+0.0	104.9	46.0 fundamental	+58.9	Horiz
2	385.731M	26.4	+1.6	+16.1			+0.0	44.1	46.0	-1.9	Horiz
3	849.666M	18.0	+2.3	+22.7			+0.0	43.0	46.0	-3.0	Horiz
4	846.747M	17.7	+2.3	+22.7			+0.0	42.7	46.0	-3.3	Horiz
5	868.640M	17.4	+2.3	+23.0			+0.0	42.7	46.0	-3.3	Horiz
6	306.567M	26.0	+1.4	+13.9			+0.0	41.3	46.0	-4.7	Horiz
7	405.218M	22.7	+1.6	+16.5			+0.0	40.8	46.0	-5.2	Horiz
8	951.835M	12.6	+2.6	+25.0			+0.0	40.2	46.0	-5.8	Horiz
9	297.432M	25.0	+1.4	+13.7			+0.0	40.1	46.0	-5.9	Horiz
10	302.304M	24.9	+1.4	+13.8			+0.0	40.1	46.0	-5.9	Horiz
11	316.310M	24.3	+1.4	+14.3			+0.0	40.0	46.0	-6.0	Horiz
12	312.047M	24.0	+1.4	+14.1			+0.0	39.5	46.0	-6.5	Horiz

13	298.650M	24.3	+1.4	+13.7	+0.0	39.4	46.0	-6.6	Horiz
14	308.394M	23.4	+1.4	+14.0	+0.0	38.8	46.0	-7.2	Horiz
15	326.053M	22.8	+1.4	+14.6	+0.0	38.8	46.0	-7.2	Horiz
16	289.516M	23.9	+1.3	+13.5	+0.0	38.7	46.0	-7.3	Horiz
17	187.820M	24.8	+1.1	+10.0	+0.0	35.9	43.5	-7.6	Horiz
18	400.346M	20.4	+1.6	+16.4	+0.0	38.4	46.0	-7.6	Horiz
19	394.866M	20.4	+1.6	+16.3	+0.0	38.3	46.0	-7.7	Horiz
20	192.692M	24.4	+1.2	+10.1	+0.0	35.7	43.5	-7.8	Horiz
21	279.773M	23.5	+1.3	+13.4	+0.0	38.2	46.0	-7.8	Horiz
22	287.689M	23.2	+1.3	+13.5	+0.0	38.0	46.0	-8.0	Horiz
23	292.561M	22.9	+1.4	+13.6	+0.0	37.9	46.0	-8.1	Horiz
24	323.009M	22.0	+1.4	+14.5	+0.0	37.9	46.0	-8.1	Horiz
25	294.388M	22.8	+1.4	+13.6	+0.0	37.8	46.0	-8.2	Horiz
26	321.182M	21.7	+1.4	+14.5	+0.0	37.6	46.0	-8.4	Horiz
27	335.797M	21.2	+1.5	+14.9	+0.0	37.6	46.0	-8.4	Horiz
28	284.644M	22.6	+1.3	+13.4	+0.0	37.3	46.0	-8.7	Horiz
29	380.860M	19.7	+1.6	+16.0	+0.0	37.3	46.0	-8.7	Horiz
30	332.752M	20.9	+1.5	+14.8	+0.0	37.2	46.0	-8.8	Horiz
31	410.090M	18.9	+1.6	+16.6	+0.0	37.1	46.0	-8.9	Horiz
32	269.420M	22.5	+1.3	+13.2	+0.0	37.0	46.0	-9.0	Horiz
33	389.994M	18.9	+1.6	+16.2	+0.0	36.7	46.0	-9.3	Horiz
34	330.925M	20.3	+1.5	+14.8	+0.0	36.6	46.0	-9.4	Horiz
35	371.116M	19.0	+1.6	+15.8	+0.0	36.4	46.0	-9.6	Horiz
36	388.776M	18.4	+1.6	+16.2	+0.0	36.2	46.0	-9.8	Horiz
37	211.569M	21.4	+1.2	+10.9	+0.0	33.5	43.5	-10.0	Horiz
38	273.074M	21.5	+1.3	+13.2	+0.0	36.0	46.0	-10.0	Horiz

39	342.495M	19.0	+1.5	+15.2	+0.0	35.7	46.0	-10.3	Horiz
40	265.158M	21.1	+1.3	+13.1	+0.0	35.5	46.0	-10.5	Horiz
41	282.817M	20.8	+1.3	+13.4	+0.0	35.5	46.0	-10.5	Horiz
42	345.540M	18.7	+1.5	+15.3	+0.0	35.5	46.0	-10.5	Horiz
43	423.477M	16.9	+1.6	+16.9	+0.0	35.4	46.0	-10.6	Horiz
44	340.668M	18.4	+1.5	+15.1	+0.0	35.0	46.0	-11.0	Horiz
45	202.435M	20.7	+1.2	+10.3	+0.0	32.2	43.5	-11.3	Horiz
46	361.982M	17.5	+1.5	+15.7	+0.0	34.7	46.0	-11.3	Horiz
47	366.245M	17.5	+1.5	+15.7	+0.0	34.7	46.0	-11.3	Horiz
48	446.830M	15.5	+1.7	+17.3	+0.0	34.5	46.0	-11.5	Horiz
49	182.948M	20.9	+1.1	+9.9	+0.0	31.9	43.5	-11.6	Horiz
50	414.961M	16.0	+1.6	+16.7	+0.0	34.3	46.0	-11.7	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/9/03
Test Type: **Maximized Emissions** Time: 11:05:59 AM
Equipment: **Cordless Phone Base Station** Sequence#: 6
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Vertical. Base Station. 120V 60Hz. Mid Channel. Transmitter operating at full power without modulation. 30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	916.806M	76.0	+2.5	+23.9			+0.0	102.4	46.0 fundamental	+56.4	Vert
2	870.100M	12.2	+2.3	+23.0			+0.0	37.5	46.0	-8.5	Vert
3	848.207M	11.4	+2.3	+22.7			+0.0	36.4	46.0	-9.6	Vert
4	187.820M	22.6	+1.1	+10.0			+0.0	33.7	43.5	-9.8	Vert
5	856.964M	10.8	+2.3	+22.8			+0.0	35.9	46.0	-10.1	Vert
6	877.398M	10.2	+2.4	+23.1			+0.0	35.7	46.0	-10.3	Vert
7	405.218M	17.0	+1.6	+16.5			+0.0	35.1	46.0	-10.9	Vert
8	192.692M	20.6	+1.2	+10.1			+0.0	31.9	43.5	-11.6	Vert
9	385.731M	16.1	+1.6	+16.1			+0.0	33.8	46.0	-12.2	Vert
10	306.567M	16.9	+1.4	+13.9			+0.0	32.2	46.0	-13.8	Vert
11	409.481M	13.3	+1.6	+16.6			+0.0	31.5	46.0	-14.5	Vert
12	298.650M	16.3	+1.4	+13.7			+0.0	31.4	46.0	-14.6	Vert

13	279.773M	16.5	+1.3	+13.4	+0.0	31.2	46.0	-14.8	Vert
14	390.603M	13.1	+1.6	+16.2	+0.0	30.9	46.0	-15.1	Vert
15	400.346M	12.9	+1.6	+16.4	+0.0	30.9	46.0	-15.1	Vert
16	316.310M	15.1	+1.4	+14.3	+0.0	30.8	46.0	-15.2	Vert
17	211.569M	16.1	+1.2	+10.9	+0.0	28.2	43.5	-15.3	Vert
18	313.265M	15.1	+1.4	+14.2	+0.0	30.7	46.0	-15.3	Vert
19	308.394M	14.8	+1.4	+14.0	+0.0	30.2	46.0	-15.8	Vert
20	284.644M	15.4	+1.3	+13.4	+0.0	30.1	46.0	-15.9	Vert
21	35.261M	6.6	+0.4	+16.9	+0.0	23.9	40.0	-16.1	Vert
22	182.948M	16.4	+1.1	+9.9	+0.0	27.4	43.5	-16.1	Vert
23	282.817M	15.1	+1.3	+13.4	+0.0	29.8	46.0	-16.2	Vert
24	693.494M	6.7	+2.1	+21.0	+0.0	29.8	46.0	-16.2	Vert
25	326.053M	13.7	+1.4	+14.6	+0.0	29.7	46.0	-16.3	Vert
26	287.080M	14.8	+1.3	+13.5	+0.0	29.6	46.0	-16.4	Vert
27	311.438M	14.1	+1.4	+14.1	+0.0	29.6	46.0	-16.4	Vert
28	394.866M	11.7	+1.6	+16.3	+0.0	29.6	46.0	-16.4	Vert
29	332.752M	13.2	+1.5	+14.8	+0.0	29.5	46.0	-16.5	Vert
30	414.352M	11.1	+1.6	+16.7	+0.0	29.4	46.0	-16.6	Vert
31	670.141M	6.1	+2.0	+21.1	+0.0	29.2	46.0	-16.8	Vert
32	201.826M	15.1	+1.2	+10.3	+0.0	26.6	43.5	-16.9	Vert
33	274.901M	14.4	+1.3	+13.3	+0.0	29.0	46.0	-17.0	Vert
34	323.009M	13.1	+1.4	+14.5	+0.0	29.0	46.0	-17.0	Vert
35	196.954M	14.9	+1.2	+10.2	+0.0	26.3	43.5	-17.2	Vert
36	270.029M	14.0	+1.3	+13.2	+0.0	28.5	46.0	-17.5	Vert
37	419.098M	10.1	+1.6	+16.8	+0.0	28.5	46.0	-17.5	Vert
38	68.928M	14.8	+0.6	+7.0	+0.0	22.4	40.0	-17.6	Vert

39	330.925M	12.0	+1.5	+14.8	+0.0	28.3	46.0	-17.7	Vert
40	335.188M	11.9	+1.5	+14.9	+0.0	28.3	46.0	-17.7	Vert
41	321.182M	11.9	+1.4	+14.5	+0.0	27.8	46.0	-18.2	Vert
42	264.549M	13.0	+1.3	+13.1	+0.0	27.4	46.0	-18.6	Vert
43	341.886M	10.1	+1.5	+15.1	+0.0	26.7	46.0	-19.3	Vert
44	299.868M	11.5	+1.4	+13.7	+0.0	26.6	46.0	-19.4	Vert
45	388.167M	8.7	+1.6	+16.2	+0.0	26.5	46.0	-19.5	Vert
46	206.698M	11.8	+1.2	+10.6	+0.0	23.6	43.5	-19.9	Vert
47	44.940M	8.0	+0.5	+11.4	+0.0	19.9	40.0	-20.1	Vert
48	346.758M	9.1	+1.5	+15.3	+0.0	25.9	46.0	-20.1	Vert
49	380.251M	8.2	+1.6	+16.0	+0.0	25.8	46.0	-20.2	Vert
50	352.239M	8.8	+1.5	+15.4	+0.0	25.7	46.0	-20.3	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/9/03
Test Type: **Maximized Emissions** Time: 11:32:51
Equipment: **Cordless Phone Base Station** Sequence#: 8
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Horizontal. Base Station. 120V 60Hz. High Channel. Transmitter operating at full power without modulation. 30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	927.022M	78.3	+2.5	+24.3			+0.0	105.1	46.0 fundamental	+59.1	Horiz
2	884.695M	20.1	+2.4	+23.2			+0.0	45.7	46.0	-0.3	Horiz
3	385.200M	26.1	+1.6	+16.1			+0.0	43.8	46.0	-2.2	Horiz
4	897.031M QP	16.5	+2.4	+23.4			+0.0	42.3	46.0	-3.7	Horiz
^	897.031M	20.2	+2.4	+23.4			+0.0	46.0	46.0	+0.0	Horiz
6	305.626M	25.8	+1.4	+13.9			+0.0	41.1	46.0	-4.9	Horiz
7	840.909M	15.5	+2.3	+22.6			+0.0	40.4	46.0	-5.6	Horiz
8	312.915M	24.6	+1.4	+14.2			+0.0	40.2	46.0	-5.8	Horiz
9	315.952M	24.5	+1.4	+14.3			+0.0	40.2	46.0	-5.8	Horiz
10	404.638M	22.1	+1.6	+16.5			+0.0	40.2	46.0	-5.8	Horiz
11	303.196M	24.8	+1.4	+13.8			+0.0	40.0	46.0	-6.0	Horiz
12	297.122M	24.7	+1.4	+13.7			+0.0	39.8	46.0	-6.2	Horiz

13	325.671M	23.0	+1.4	+14.6	+0.0	39.0	46.0	-7.0	Horiz
14	298.337M	23.8	+1.4	+13.7	+0.0	38.9	46.0	-7.1	Horiz
15	279.506M	24.1	+1.3	+13.4	+0.0	38.8	46.0	-7.2	Horiz
16	380.340M	21.1	+1.6	+16.0	+0.0	38.7	46.0	-7.3	Horiz
17	322.634M	22.4	+1.4	+14.5	+0.0	38.3	46.0	-7.7	Horiz
18	187.784M	24.5	+1.1	+10.0	+0.0	35.6	43.5	-7.9	Horiz
19	192.643M	24.3	+1.2	+10.1	+0.0	35.6	43.5	-7.9	Horiz
20	284.366M	23.4	+1.3	+13.4	+0.0	38.1	46.0	-7.9	Horiz
21	409.497M	19.9	+1.6	+16.6	+0.0	38.1	46.0	-7.9	Horiz
22	289.225M	23.2	+1.3	+13.5	+0.0	38.0	46.0	-8.0	Horiz
23	334.783M	21.4	+1.5	+14.9	+0.0	37.8	46.0	-8.2	Horiz
24	330.531M	21.4	+1.5	+14.8	+0.0	37.7	46.0	-8.3	Horiz
25	394.311M	19.7	+1.6	+16.3	+0.0	37.6	46.0	-8.4	Horiz
26	332.353M	21.2	+1.5	+14.8	+0.0	37.5	46.0	-8.5	Horiz
27	292.262M	22.4	+1.4	+13.6	+0.0	37.4	46.0	-8.6	Horiz
28	320.812M	21.3	+1.4	+14.4	+0.0	37.1	46.0	-8.9	Horiz
29	274.647M	22.3	+1.3	+13.3	+0.0	36.9	46.0	-9.1	Horiz
30	370.622M	19.4	+1.6	+15.8	+0.0	36.8	46.0	-9.2	Horiz
31	211.474M	22.1	+1.2	+10.8	+0.0	34.1	43.5	-9.4	Horiz
32	269.787M	22.1	+1.3	+13.2	+0.0	36.6	46.0	-9.4	Horiz
33	387.630M	18.8	+1.6	+16.2	+0.0	36.6	46.0	-9.4	Horiz
34	340.250M	19.9	+1.5	+15.1	+0.0	36.5	46.0	-9.5	Horiz
35	342.072M	19.9	+1.5	+15.1	+0.0	36.5	46.0	-9.5	Horiz
36	399.778M	18.5	+1.6	+16.4	+0.0	36.5	46.0	-9.5	Horiz
37	264.928M	22.0	+1.3	+13.1	+0.0	36.4	46.0	-9.6	Horiz
38	345.109M	19.4	+1.5	+15.2	+0.0	36.1	46.0	-9.9	Horiz

39	414.357M	17.7	+1.6	+16.7	+0.0	36.0	46.0	-10.0	Horiz
40	427.856M	17.2	+1.6	+17.0	+0.0	35.8	46.0	-10.2	Horiz
41	272.824M	21.2	+1.3	+13.2	+0.0	35.7	46.0	-10.3	Horiz
42	373.051M	17.8	+1.6	+15.9	+0.0	35.3	46.0	-10.7	Horiz
43	423.477M	16.8	+1.6	+16.9	+0.0	35.3	46.0	-10.7	Horiz
44	354.828M	17.9	+1.5	+15.5	+0.0	34.9	46.0	-11.1	Horiz
45	351.791M	17.9	+1.5	+15.4	+0.0	34.8	46.0	-11.2	Horiz
46	365.762M	17.5	+1.5	+15.7	+0.0	34.7	46.0	-11.3	Horiz
47	202.362M	20.6	+1.2	+10.3	+0.0	32.1	43.5	-11.4	Horiz
48	346.324M	17.6	+1.5	+15.3	+0.0	34.4	46.0	-11.6	Horiz
49	438.072M	15.1	+1.7	+17.2	+0.0	34.0	46.0	-12.0	Horiz
50	206.614M	19.3	+1.2	+10.6	+0.0	31.1	43.5	-12.4	Horiz
51	260.068M	18.8	+1.3	+13.0	+0.0	33.1	46.0	-12.9	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/9/03
Test Type: **Maximized Emissions** Time: 11:33:16 AM
Equipment: **Cordless Phone Base Station** Sequence#: 9
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Vertical. Base Station. 120V 60Hz. High Channel. Transmitter operating at full power without modulation. 30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	927.022M	75.5	+2.5	+24.3			+0.0	102.3	46.0 fundamental	+56.3	Vert
2	880.317M	15.3	+2.4	+23.1			+0.0	40.8	46.0	-5.2	Vert
3	57.776M	26.2	+0.6	+6.5			+0.0	33.3	40.0	-6.7	Vert
4	884.695M	13.1	+2.4	+23.2			+0.0	38.7	46.0	-7.3	Vert
5	846.747M	10.8	+2.3	+22.7			+0.0	35.8	46.0	-10.2	Vert
6	859.883M	10.4	+2.3	+22.8			+0.0	35.5	46.0	-10.5	Vert
7	187.820M	21.8	+1.1	+10.0			+0.0	32.9	43.5	-10.6	Vert
8	405.218M	17.2	+1.6	+16.5			+0.0	35.3	46.0	-10.7	Vert
9	192.692M	21.0	+1.2	+10.1			+0.0	32.3	43.5	-11.2	Vert
10	385.731M	16.6	+1.6	+16.1			+0.0	34.3	46.0	-11.7	Vert
11	769.391M	8.2	+2.2	+22.2			+0.0	32.6	46.0	-13.4	Vert
12	410.090M	13.8	+1.6	+16.6			+0.0	32.0	46.0	-14.0	Vert

13	307.176M	16.0	+1.4	+14.0	+0.0	31.4	46.0	-14.6	Vert
14	400.346M	13.3	+1.6	+16.4	+0.0	31.3	46.0	-14.7	Vert
15	313.265M	15.6	+1.4	+14.2	+0.0	31.2	46.0	-14.8	Vert
16	407.654M	12.9	+1.6	+16.6	+0.0	31.1	46.0	-14.9	Vert
17	398.519M	13.0	+1.6	+16.4	+0.0	31.0	46.0	-15.0	Vert
18	211.569M	16.3	+1.2	+10.9	+0.0	28.4	43.5	-15.1	Vert
19	279.164M	16.3	+1.3	+13.3	+0.0	30.9	46.0	-15.1	Vert
20	305.958M	15.6	+1.4	+13.9	+0.0	30.9	46.0	-15.1	Vert
21	302.304M	15.4	+1.4	+13.8	+0.0	30.6	46.0	-15.4	Vert
22	414.961M	12.3	+1.6	+16.7	+0.0	30.6	46.0	-15.4	Vert
23	401.564M	12.5	+1.6	+16.4	+0.0	30.5	46.0	-15.5	Vert
24	316.310M	14.6	+1.4	+14.3	+0.0	30.3	46.0	-15.7	Vert
25	296.824M	15.2	+1.4	+13.6	+0.0	30.2	46.0	-15.8	Vert
26	298.650M	15.0	+1.4	+13.7	+0.0	30.1	46.0	-15.9	Vert
27	33.577M	5.9	+0.3	+17.8	+0.0	24.0	40.0	-16.0	Vert
28	303.522M	14.8	+1.4	+13.8	+0.0	30.0	46.0	-16.0	Vert
29	202.435M	15.8	+1.2	+10.3	+0.0	27.3	43.5	-16.2	Vert
30	423.477M	11.3	+1.6	+16.9	+0.0	29.8	46.0	-16.2	Vert
31	284.644M	14.9	+1.3	+13.4	+0.0	29.6	46.0	-16.4	Vert
32	394.866M	11.7	+1.6	+16.3	+0.0	29.6	46.0	-16.4	Vert
33	326.053M	13.2	+1.4	+14.6	+0.0	29.2	46.0	-16.8	Vert
34	390.603M	11.2	+1.6	+16.2	+0.0	29.0	46.0	-17.0	Vert
35	274.901M	14.3	+1.3	+13.3	+0.0	28.9	46.0	-17.1	Vert
36	318.137M	13.1	+1.4	+14.3	+0.0	28.8	46.0	-17.2	Vert
37	321.182M	12.9	+1.4	+14.5	+0.0	28.8	46.0	-17.2	Vert
38	323.009M	12.8	+1.4	+14.5	+0.0	28.7	46.0	-17.3	Vert

39	292.561M	13.4	+1.4	+13.6	+0.0	28.4	46.0	-17.6	Vert
40	294.388M	13.4	+1.4	+13.6	+0.0	28.4	46.0	-17.6	Vert
41	427.856M	9.8	+1.6	+17.0	+0.0	28.4	46.0	-17.6	Vert
42	332.752M	12.0	+1.5	+14.8	+0.0	28.3	46.0	-17.7	Vert
43	206.698M	13.8	+1.2	+10.6	+0.0	25.6	43.5	-17.9	Vert
44	216.441M	15.8	+1.2	+11.1	+0.0	28.1	46.0	-17.9	Vert
45	438.072M	9.1	+1.7	+17.2	+0.0	28.0	46.0	-18.0	Vert
46	269.420M	13.3	+1.3	+13.2	+0.0	27.8	46.0	-18.2	Vert
47	335.797M	11.4	+1.5	+14.9	+0.0	27.8	46.0	-18.2	Vert
48	265.158M	13.2	+1.3	+13.1	+0.0	27.6	46.0	-18.4	Vert
49	182.948M	14.0	+1.1	+9.9	+0.0	25.0	43.5	-18.5	Vert
50	308.394M	12.0	+1.4	+14.0	+0.0	27.4	46.0	-18.6	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 14:02:26
Equipment: **Cordless Phone Base Station** Sequence#: 32
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Base Station. 120V 60Hz. Low Channel. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	1810.000M	57.7	+26.6	-27.6			-10.0	46.7	54.0	-7.3	Horiz
2	7100.000M	42.3	+35.8	-25.3			-10.0	42.8	54.0	-11.2	Horiz
3	4520.000M	44.5	+31.8	-26.8			-10.0	39.5	54.0	-14.5	Horiz
4	2456.667M	45.3	+28.2	-27.2			-10.0	36.3	54.0	-17.7	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 13:53:11
Equipment: **Cordless Phone Base Station** Sequence#: 31
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Base Station. 120V 60Hz. Low Channel. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	1810.000M	60.7	+26.6	-27.6			-10.0	49.7	54.0	-4.3	Vert
2	4520.000M	49.3	+31.8	-26.8			-10.0	44.3	54.0	-9.7	Vert
3	6753.333M	42.5	+35.1	-25.2			-10.0	42.4	54.0	-11.6	Vert
4	2713.333M	46.2	+29.2	-26.8			-10.0	38.6	54.0	-15.4	Vert
5	2456.667M	45.8	+28.2	-27.2			-10.0	36.8	54.0	-17.2	Vert
6	2480.000M	45.0	+28.3	-27.1			-10.0	36.2	54.0	-17.8	Vert
7	2426.667M	44.3	+28.2	-27.2			-10.0	35.3	54.0	-18.7	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 14:18:55
Equipment: **Cordless Phone Base Station** Sequence#: 33
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Base Station. 120V 60Hz. Mid Channel. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	1830.000M	55.7	+26.7	-27.6			-10.0	44.8	54.0	-9.2	Horiz
2	7366.667M	42.7	+36.5	-25.4			-10.0	43.8	54.0	-10.2	Horiz
3	3660.000M	46.7	+32.0	-27.4			-10.0	41.3	54.0	-12.7	Horiz
4	4570.000M	44.5	+32.0	-26.7			-10.0	39.8	54.0	-14.2	Horiz
5	2466.667M	47.3	+28.2	-27.2			-10.0	38.3	54.0	-15.7	Horiz
6	2743.333M	45.5	+29.3	-26.7			-10.0	38.1	54.0	-15.9	Horiz
7	2410.000M	45.5	+28.1	-27.2			-10.0	36.4	54.0	-17.6	Horiz
8	2440.000M	44.2	+28.2	-27.2			-10.0	35.2	54.0	-18.8	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 14:39:52
Equipment: **Cordless Phone Base Station** Sequence#: 34
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Base Station. 120V 60Hz. Mid Channel. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	7506.667M	42.2	+36.8	-25.5			-10.0	43.5	54.0	-10.5	Vert
2	4575.000M	47.5	+32.1	-26.7			-10.0	42.9	54.0	-11.1	Vert
3	3660.000M	44.7	+32.0	-27.4			-10.0	39.3	54.0	-14.7	Vert
4	2426.667M	47.2	+28.2	-27.2			-10.0	38.2	54.0	-15.8	Vert
5	2746.667M	45.3	+29.3	-26.7			-10.0	37.9	54.0	-16.1	Vert
6	2466.667M	46.8	+28.2	-27.2			-10.0	37.8	54.0	-16.2	Vert
7	1830.000M	47.5	+26.7	-27.6			-10.0	36.6	54.0	-17.4	Vert
8	2406.667M	45.2	+28.1	-27.2			-10.0	36.1	54.0	-17.9	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 15:04:45
Equipment: **Cordless Phone Base Station** Sequence#: 36
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Base Station. 120V 60Hz. High Channel. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	1853.333M	55.3	+26.8	-27.6			-10.0	44.5	54.0	-9.5	Horiz
2	7320.000M	43.3	+36.4	-25.4			-10.0	44.3	54.0	-9.7	Horiz
3	2780.000M	50.7	+29.4	-26.8			-10.0	43.3	54.0	-10.7	Horiz
4	4630.000M	46.3	+32.3	-26.6			-10.0	42.0	54.0	-12.0	Horiz
5	2430.000M	49.8	+28.2	-27.2			-10.0	40.8	54.0	-13.2	Horiz
6	3705.000M	45.5	+32.1	-27.5			-10.0	40.1	54.0	-13.9	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 14:51:38
Equipment: **Cordless Phone Base Station** Sequence#: 35
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Base Station. 120V 60Hz. High Channel. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	9360.000M	42.7	+38.7	-26.6			-10.0	44.8	54.0	-9.2	Vert
2	4630.000M	48.2	+32.3	-26.6			-10.0	43.9	54.0	-10.1	Vert
3	1853.333M	54.7	+26.8	-27.6			-10.0	43.9	54.0	-10.1	Vert
4	2780.000M	48.8	+29.4	-26.8			-10.0	41.4	54.0	-12.6	Vert
5	3705.000M	45.7	+32.1	-27.5			-10.0	40.3	54.0	-13.7	Vert
6	2410.000M	46.7	+28.1	-27.2			-10.0	37.6	54.0	-16.4	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/13/03
Test Type: **Maximized Emissions** Time: 15:40:04
Equipment: **Cordless Phone Handset** Sequence#: 21
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. Low Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	906.355M	68.8	+2.4	+23.6			+0.0	94.8	46.0 fundamental	+48.8	Horiz
2	374.161M	28.2	+1.6	+15.9			+0.0	45.7	46.0	-0.3	Horiz
3	354.674M	28.2	+1.5	+15.5			+0.0	45.2	46.0	-0.8	Horiz
4	366.854M	27.2	+1.5	+15.8			+0.0	44.5	46.0	-1.5	Horiz
5	360.002M QP	26.4	+1.5	+15.6			+0.0	43.5	46.0	-2.5	Horiz
^	360.002M	30.5	+1.5	+15.6			+0.0	47.6	46.0	+1.6	Horiz
7	352.239M	26.5	+1.5	+15.4			+0.0	43.4	46.0	-2.6	Horiz
8	362.402M QP	26.0	+1.5	+15.7			+0.0	43.2	46.0	-2.8	Horiz
^	362.410M	29.4	+1.5	+15.7			+0.0	46.6	46.0	+0.6	Horiz
10	380.860M	24.4	+1.6	+16.0			+0.0	42.0	46.0	-4.0	Horiz
11	393.039M	23.3	+1.6	+16.3			+0.0	41.2	46.0	-4.8	Horiz
12	383.295M	23.1	+1.6	+16.1			+0.0	40.8	46.0	-5.2	Horiz

13	390.603M	22.9	+1.6	+16.2	+0.0	40.7	46.0	-5.3	Horiz
14	400.346M	20.6	+1.6	+16.4	+0.0	38.6	46.0	-7.4	Horiz
15	347.367M	21.4	+1.5	+15.3	+0.0	38.2	46.0	-7.8	Horiz
16	402.782M	20.0	+1.6	+16.5	+0.0	38.1	46.0	-7.9	Horiz
17	410.090M	19.6	+1.6	+16.6	+0.0	37.8	46.0	-8.2	Horiz
18	439.591M	18.6	+1.7	+17.2	+0.0	37.5	46.0	-8.5	Horiz
19	332.752M	20.9	+1.5	+14.8	+0.0	37.2	46.0	-8.8	Horiz
20	446.907M	17.9	+1.7	+17.3	+0.0	36.9	46.0	-9.1	Horiz
21	349.194M	19.6	+1.5	+15.4	+0.0	36.5	46.0	-9.5	Horiz
22	412.525M	18.1	+1.6	+16.7	+0.0	36.4	46.0	-9.6	Horiz
23	335.188M	19.6	+1.5	+14.9	+0.0	36.0	46.0	-10.0	Horiz
24	430.811M	16.9	+1.7	+17.0	+0.0	35.6	46.0	-10.4	Horiz
25	344.931M	18.6	+1.5	+15.2	+0.0	35.3	46.0	-10.7	Horiz
26	313.265M	19.6	+1.4	+14.2	+0.0	35.2	46.0	-10.8	Horiz
27	885.870M	9.6	+2.4	+23.2	+0.0	35.2	46.0	-10.8	Horiz
28	327.880M	18.9	+1.4	+14.7	+0.0	35.0	46.0	-11.0	Horiz
29	420.569M	16.4	+1.6	+16.8	+0.0	34.8	46.0	-11.2	Horiz
30	427.885M	16.0	+1.6	+17.0	+0.0	34.6	46.0	-11.4	Horiz
31	449.833M	15.5	+1.7	+17.4	+0.0	34.6	46.0	-11.4	Horiz
32	323.009M	18.1	+1.4	+14.5	+0.0	34.0	46.0	-12.0	Horiz
33	315.701M	18.2	+1.4	+14.3	+0.0	33.9	46.0	-12.1	Horiz
34	325.445M	17.9	+1.4	+14.6	+0.0	33.9	46.0	-12.1	Horiz
35	342.495M	17.1	+1.5	+15.2	+0.0	33.8	46.0	-12.2	Horiz
36	457.149M	14.2	+1.8	+17.5	+0.0	33.5	46.0	-12.5	Horiz
37	330.316M	16.8	+1.5	+14.8	+0.0	33.1	46.0	-12.9	Horiz

38	340.059M	16.1	+1.5	+15.1	+0.0	32.7	46.0	-13.3	Horiz
39	308.394M	16.4	+1.4	+14.0	+0.0	31.8	46.0	-14.2	Horiz
40	305.958M	16.4	+1.4	+13.9	+0.0	31.7	46.0	-14.3	Horiz
41	304.131M	16.2	+1.4	+13.9	+0.0	31.5	46.0	-14.5	Horiz
42	414.961M	12.1	+1.6	+16.7	+0.0	30.4	46.0	-15.6	Horiz
43	490.803M	10.0	+1.8	+18.1	+0.0	29.9	46.0	-16.1	Horiz
44	31.371M	3.9	+0.3	+19.0	+0.0	23.2	40.0	-16.8	Horiz
45	471.781M	9.6	+1.8	+17.8	+0.0	29.2	46.0	-16.8	Horiz
46	294.388M	13.9	+1.4	+13.6	+0.0	28.9	46.0	-17.1	Horiz
47	299.259M	13.5	+1.4	+13.7	+0.0	28.6	46.0	-17.4	Horiz
48	511.288M	8.2	+1.8	+18.5	+0.0	28.5	46.0	-17.5	Horiz
49	296.824M	12.4	+1.4	+13.6	+0.0	27.4	46.0	-18.6	Horiz
50	528.846M	6.4	+1.9	+19.0	+0.0	27.3	46.0	-18.7	Horiz
51	468.855M	7.6	+1.8	+17.7	+0.0	27.1	46.0	-18.9	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/13/03
Test Type: **Maximized Emissions** Time: 3:48:53 PM
Equipment: **Cordless Phone Handset** Sequence#: 22
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. Low Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	906.355M	65.1	+2.4	+23.6			+0.0	91.1	46.0 fundamental	+45.1	Vert
2	885.870M	7.5	+2.4	+23.2			+0.0	33.1	46.0	-12.9	Vert
3	373.659M	15.4	+1.6	+15.9			+0.0	32.9	46.0	-13.1	Vert
4	380.340M	15.3	+1.6	+16.0			+0.0	32.9	46.0	-13.1	Vert
5	382.770M	13.6	+1.6	+16.1			+0.0	31.3	46.0	-14.7	Vert
6	371.229M	13.2	+1.6	+15.8			+0.0	30.6	46.0	-15.4	Vert
7	390.059M	11.6	+1.6	+16.2			+0.0	29.4	46.0	-16.6	Vert
8	392.489M	11.4	+1.6	+16.3			+0.0	29.3	46.0	-16.7	Vert
9	30.000M	2.8	+0.3	+19.8			+0.0	22.9	40.0	-17.1	Vert
10	399.778M	8.9	+1.6	+16.4			+0.0	26.9	46.0	-19.1	Vert
11	363.940M	9.0	+1.5	+15.7			+0.0	26.2	46.0	-19.8	Vert
12	409.497M	7.8	+1.6	+16.6			+0.0	26.0	46.0	-20.0	Vert

13	401.601M	7.9	+1.6	+16.4	+0.0	25.9	46.0	-20.1	Vert
14	427.885M	7.0	+1.6	+17.0	+0.0	25.6	46.0	-20.4	Vert
15	366.369M	8.2	+1.5	+15.7	+0.0	25.4	46.0	-20.6	Vert
16	63.878M	11.6	+0.6	+6.4	+0.0	18.6	40.0	-21.4	Vert
17	312.915M	8.2	+1.4	+14.2	+0.0	23.8	46.0	-22.2	Vert
18	327.494M	7.1	+1.4	+14.7	+0.0	23.2	46.0	-22.8	Vert
19	305.626M	5.9	+1.4	+13.9	+0.0	21.2	46.0	-24.8	Vert
20	127.840M	3.6	+0.9	+12.3	+0.0	16.8	43.5	-26.7	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/13/03
Test Type: **Maximized Emissions** Time: 15:19:48
Equipment: **Cordless Phone Handset** Sequence#: 20
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. Mid Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	916.597M	68.2	+2.5	+23.9			+0.0	94.6	46.0 fundamental	+48.6	Horiz
2	366.245M	28.4	+1.5	+15.7			+0.0	45.6	46.0	-0.4	Horiz
3	374.161M	28.1	+1.6	+15.9			+0.0	45.6	46.0	-0.4	Horiz
4	361.982M	27.4	+1.5	+15.7			+0.0	44.6	46.0	-1.4	Horiz
5	362.408M QP	26.7	+1.5	+15.7			+0.0	43.9	46.0	-2.1	Horiz
^	362.408M	30.5	+1.5	+15.7			+0.0	47.7	46.0	+1.7	Horiz
7	354.674M	26.2	+1.5	+15.5			+0.0	43.2	46.0	-2.8	Horiz
8	360.005M QP	25.8	+1.5	+15.6			+0.0	42.9	46.0	-3.1	Horiz
^	360.005M	29.2	+1.5	+15.6			+0.0	46.3	46.0	+0.3	Horiz
10	381.469M	25.2	+1.6	+16.0			+0.0	42.8	46.0	-3.2	Horiz
11	383.295M	24.6	+1.6	+16.1			+0.0	42.3	46.0	-3.7	Horiz
12	352.239M	25.1	+1.5	+15.4			+0.0	42.0	46.0	-4.0	Horiz

13	390.603M	22.2	+1.6	+16.2	+0.0	40.0	46.0	-6.0	Horiz
14	400.346M	21.9	+1.6	+16.4	+0.0	39.9	46.0	-6.1	Horiz
15	402.173M	21.1	+1.6	+16.4	+0.0	39.1	46.0	-6.9	Horiz
16	385.731M	21.1	+1.6	+16.1	+0.0	38.8	46.0	-7.2	Horiz
17	393.039M	20.7	+1.6	+16.3	+0.0	38.6	46.0	-7.4	Horiz
18	439.591M	19.1	+1.7	+17.2	+0.0	38.0	46.0	-8.0	Horiz
19	332.752M	21.0	+1.5	+14.8	+0.0	37.3	46.0	-8.7	Horiz
20	347.367M	20.3	+1.5	+15.3	+0.0	37.1	46.0	-8.9	Horiz
21	446.907M	18.1	+1.7	+17.3	+0.0	37.1	46.0	-8.9	Horiz
22	409.481M	18.2	+1.6	+16.6	+0.0	36.4	46.0	-9.6	Horiz
23	335.188M	19.6	+1.5	+14.9	+0.0	36.0	46.0	-10.0	Horiz
24	349.803M	18.8	+1.5	+15.4	+0.0	35.7	46.0	-10.3	Horiz
25	412.525M	17.4	+1.6	+16.7	+0.0	35.7	46.0	-10.3	Horiz
26	313.265M	19.9	+1.4	+14.2	+0.0	35.5	46.0	-10.5	Horiz
27	430.811M	16.8	+1.7	+17.0	+0.0	35.5	46.0	-10.5	Horiz
28	327.880M	19.2	+1.4	+14.7	+0.0	35.3	46.0	-10.7	Horiz
29	449.833M	15.9	+1.7	+17.4	+0.0	35.0	46.0	-11.0	Horiz
30	885.870M	9.4	+2.4	+23.2	+0.0	35.0	46.0	-11.0	Horiz
31	899.039M	9.0	+2.4	+23.4	+0.0	34.8	46.0	-11.2	Horiz
32	342.495M	18.0	+1.5	+15.2	+0.0	34.7	46.0	-11.3	Horiz
33	427.885M	15.8	+1.6	+17.0	+0.0	34.4	46.0	-11.6	Horiz
34	344.931M	17.6	+1.5	+15.2	+0.0	34.3	46.0	-11.7	Horiz
35	420.569M	15.8	+1.6	+16.8	+0.0	34.2	46.0	-11.8	Horiz
36	315.701M	18.4	+1.4	+14.3	+0.0	34.1	46.0	-11.9	Horiz
37	457.149M	14.7	+1.8	+17.5	+0.0	34.0	46.0	-12.0	Horiz

38	417.642M	14.9	+1.6	+16.8	+0.0	33.3	46.0	-12.7	Horiz
39	325.445M	16.7	+1.4	+14.6	+0.0	32.7	46.0	-13.3	Horiz
40	340.059M	15.4	+1.5	+15.1	+0.0	32.0	46.0	-14.0	Horiz
41	306.567M	16.3	+1.4	+13.9	+0.0	31.6	46.0	-14.4	Horiz
42	304.131M	16.1	+1.4	+13.9	+0.0	31.4	46.0	-14.6	Horiz
43	323.009M	15.3	+1.4	+14.5	+0.0	31.2	46.0	-14.8	Horiz
44	308.394M	14.9	+1.4	+14.0	+0.0	30.3	46.0	-15.7	Horiz
45	471.781M	10.3	+1.8	+17.8	+0.0	29.9	46.0	-16.1	Horiz
46	30.105M	3.8	+0.3	+19.7	+0.0	23.8	40.0	-16.2	Horiz
47	320.573M	14.0	+1.4	+14.4	+0.0	29.8	46.0	-16.2	Horiz
48	490.803M	9.9	+1.8	+18.1	+0.0	29.8	46.0	-16.2	Horiz
49	294.388M	14.1	+1.4	+13.6	+0.0	29.1	46.0	-16.9	Horiz
50	299.259M	13.8	+1.4	+13.7	+0.0	28.9	46.0	-17.1	Horiz
51	301.695M	12.9	+1.4	+13.8	+0.0	28.1	46.0	-17.9	Horiz
52	511.288M	7.8	+1.8	+18.5	+0.0	28.1	46.0	-17.9	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/13/03
Test Type: **Maximized Emissions** Time: 3:00:16 PM
Equipment: **Cordless Phone Handset** Sequence#: 19
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. Mid Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	916.806M	63.4	+2.5	+23.9			+0.0	89.8	46.0 fundamental	+43.8	Vert
2	363.940M	15.0	+1.5	+15.7			+0.0	32.2	46.0	-13.8	Vert
3	373.659M	14.0	+1.6	+15.9			+0.0	31.5	46.0	-14.5	Vert
4	370.622M	13.6	+1.6	+15.8			+0.0	31.0	46.0	-15.0	Vert
5	361.510M	13.3	+1.5	+15.6			+0.0	30.4	46.0	-15.6	Vert
6	366.369M	12.9	+1.5	+15.7			+0.0	30.1	46.0	-15.9	Vert
7	30.633M	3.5	+0.3	+19.4			+0.0	23.2	40.0	-16.8	Vert
8	353.613M	11.1	+1.5	+15.5			+0.0	28.1	46.0	-17.9	Vert
9	379.733M	10.1	+1.6	+16.0			+0.0	27.7	46.0	-18.3	Vert
10	382.163M	9.0	+1.6	+16.1			+0.0	26.7	46.0	-19.3	Vert
11	351.791M	9.3	+1.5	+15.4			+0.0	26.2	46.0	-19.8	Vert

12	346.932M	7.7	+1.5	+15.3	+0.0	24.5	46.0	-21.5	Vert
13	312.915M	7.6	+1.4	+14.2	+0.0	23.2	46.0	-22.8	Vert
14	332.353M	6.7	+1.5	+14.8	+0.0	23.0	46.0	-23.0	Vert
15	147.862M	4.5	+1.0	+12.0	+0.0	17.5	43.5	-26.0	Vert
16	224.230M	5.2	+1.2	+11.5	+0.0	17.9	46.0	-28.1	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/13/03
Test Type: **Maximized Emissions** Time: 14:30:44
Equipment: **Cordless Phone Handset** Sequence#: 17
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. High Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	927.022M	67.5	+2.5	+24.3			+0.0	94.3	46.0 fundamental	+48.3	Horiz
2	380.860M	27.1	+1.6	+16.0			+0.0	44.7	46.0	-1.3	Horiz
3	369.612M QP	26.7	+1.5	+15.8			+0.0	44.0	46.0	-2.0	Horiz
^	369.612M	30.0	+1.5	+15.8			+0.0	47.3	46.0	+1.3	Horiz
5	372.011M QP	26.1	+1.6	+15.9			+0.0	43.6	46.0	-2.4	Horiz
^	372.011M	29.4	+1.6	+15.9			+0.0	46.9	46.0	+0.9	Horiz
7	383.295M	25.7	+1.6	+16.1			+0.0	43.4	46.0	-2.6	Horiz
8	390.603M	25.0	+1.6	+16.2			+0.0	42.8	46.0	-3.2	Horiz
9	393.039M	24.0	+1.6	+16.3			+0.0	41.9	46.0	-4.1	Horiz
10	364.418M	24.4	+1.5	+15.7			+0.0	41.6	46.0	-4.4	Horiz
11	400.346M	22.3	+1.6	+16.4			+0.0	40.3	46.0	-5.7	Horiz
12	366.245M	23.0	+1.5	+15.7			+0.0	40.2	46.0	-5.8	Horiz

13	361.373M	22.4	+1.5	+15.6		+0.0	39.5	46.0	-6.5	Horiz
14	402.782M	21.4	+1.6	+16.5		+0.0	39.5	46.0	-6.5	Horiz
15	332.752M	22.3	+1.5	+14.8		+0.0	38.6	46.0	-7.4	Horiz
16	410.090M	20.2	+1.6	+16.6		+0.0	38.4	46.0	-7.6	Horiz
17	411.916M	19.5	+1.6	+16.6		+0.0	37.7	46.0	-8.3	Horiz
18	417.639M	19.1	+1.6	+16.8		+0.0	37.5	46.0	-8.5	Horiz
19	905.129M	11.5	+2.4	+23.6		+0.0	37.5	46.0	-8.5	Horiz
20	327.880M	21.2	+1.4	+14.7		+0.0	37.3	46.0	-8.7	Horiz
21	420.558M	18.4	+1.6	+16.8		+0.0	36.8	46.0	-9.2	Horiz
22	330.316M	20.1	+1.5	+14.8		+0.0	36.4	46.0	-9.6	Horiz
23	913.886M	9.5	+2.5	+23.9		+0.0	35.9	46.0	-10.1	Horiz
24	354.674M	18.5	+1.5	+15.5		+0.0	35.5	46.0	-10.5	Horiz
25	427.856M	16.7	+1.6	+17.0		+0.0	35.3	46.0	-10.7	Horiz
26	405.218M	17.1	+1.6	+16.5		+0.0	35.2	46.0	-10.8	Horiz
27	894.912M	9.2	+2.4	+23.3		+0.0	34.9	46.0	-11.1	Horiz
28	324.836M	18.6	+1.4	+14.6		+0.0	34.6	46.0	-11.4	Horiz
29	430.775M	15.2	+1.7	+17.0		+0.0	33.9	46.0	-12.1	Horiz
30	299.259M	18.7	+1.4	+13.7		+0.0	33.8	46.0	-12.2	Horiz
31	352.239M	16.8	+1.5	+15.4		+0.0	33.7	46.0	-12.3	Horiz
32	335.188M	17.2	+1.5	+14.9		+0.0	33.6	46.0	-12.4	Horiz
33	323.009M	17.0	+1.4	+14.5		+0.0	32.9	46.0	-13.1	Horiz
34	294.388M	17.7	+1.4	+13.6		+0.0	32.7	46.0	-13.3	Horiz
35	357.110M	15.6	+1.5	+15.6		+0.0	32.7	46.0	-13.3	Horiz
36	301.086M	17.5	+1.4	+13.7		+0.0	32.6	46.0	-13.4	Horiz
37	304.131M	17.2	+1.4	+13.9		+0.0	32.5	46.0	-13.5	Horiz

38	306.567M	17.1	+1.4	+13.9	+0.0	32.4	46.0	-13.6	Horiz
39	808.799M	7.6	+2.3	+22.3	+0.0	32.2	46.0	-13.8	Horiz
40	315.701M	16.2	+1.4	+14.3	+0.0	31.9	46.0	-14.1	Horiz
41	313.265M	15.3	+1.4	+14.2	+0.0	30.9	46.0	-15.1	Horiz
42	438.072M	11.4	+1.7	+17.2	+0.0	30.3	46.0	-15.7	Horiz
43	452.668M	11.0	+1.8	+17.4	+0.0	30.2	46.0	-15.8	Horiz
44	296.824M	15.0	+1.4	+13.6	+0.0	30.0	46.0	-16.0	Horiz
45	476.021M	10.0	+1.8	+17.8	+0.0	29.6	46.0	-16.4	Horiz
46	490.616M	9.7	+1.8	+18.1	+0.0	29.6	46.0	-16.4	Horiz
47	471.642M	9.8	+1.8	+17.8	+0.0	29.4	46.0	-16.6	Horiz
48	30.422M	3.1	+0.3	+19.6	+0.0	23.0	40.0	-17.0	Horiz
49	349.803M	12.1	+1.5	+15.4	+0.0	29.0	46.0	-17.0	Horiz
50	310.830M	13.2	+1.4	+14.1	+0.0	28.7	46.0	-17.3	Horiz
51	308.394M	13.0	+1.4	+14.0	+0.0	28.4	46.0	-17.6	Horiz
52	291.952M	13.3	+1.4	+13.6	+0.0	28.3	46.0	-17.7	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/13/03
Test Type: **Maximized Emissions** Time: 2:54:49 PM
Equipment: **Cordless Phone Handset** Sequence#: 18
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. High Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
30-1000 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables	T2=Chase Bilog Ant S/N 1704

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	927.022M	62.3	+2.5	+24.3			+0.0	89.1	46.0 fundamental	+43.1	Vert
2	363.940M	12.9	+1.5	+15.7			+0.0	30.1	46.0	-15.9	Vert
3	354.221M	12.7	+1.5	+15.5			+0.0	29.7	46.0	-16.3	Vert
4	351.791M	12.6	+1.5	+15.4			+0.0	29.5	46.0	-16.5	Vert
5	360.903M	12.2	+1.5	+15.6			+0.0	29.3	46.0	-16.7	Vert
6	373.659M	11.7	+1.6	+15.9			+0.0	29.2	46.0	-16.8	Vert
7	30.211M	2.3	+0.3	+19.7			+0.0	22.3	40.0	-17.7	Vert
8	371.229M	10.9	+1.6	+15.8			+0.0	28.3	46.0	-17.7	Vert
9	589.866M	5.9	+1.9	+19.6			+0.0	27.4	46.0	-18.6	Vert
10	439.532M	7.2	+1.7	+17.2			+0.0	26.1	46.0	-19.9	Vert
11	390.059M	7.8	+1.6	+16.2			+0.0	25.6	46.0	-20.4	Vert
12	402.208M	7.1	+1.6	+16.4			+0.0	25.1	46.0	-20.9	Vert

13	391.882M	7.1	+1.6	+16.2		+0.0	24.9	46.0	-21.1	Vert
14	346.932M	7.5	+1.5	+15.3		+0.0	24.3	46.0	-21.7	Vert
15	342.072M	7.6	+1.5	+15.1		+0.0	24.2	46.0	-21.8	Vert
16	334.783M	7.5	+1.5	+14.9		+0.0	23.9	46.0	-22.1	Vert
17	408.890M	5.7	+1.6	+16.6		+0.0	23.9	46.0	-22.1	Vert
18	384.593M	6.0	+1.6	+16.1		+0.0	23.7	46.0	-22.3	Vert
19	344.502M	6.6	+1.5	+15.2		+0.0	23.3	46.0	-22.7	Vert
20	182.924M	5.7	+1.1	+9.9		+0.0	16.7	43.5	-26.8	Vert
21	127.587M	2.8	+0.9	+12.3		+0.0	16.0	43.5	-27.5	Vert
22	71.241M	3.5	+0.7	+7.2		+0.0	11.4	40.0	-28.6	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 11:34:20
Equipment: **Cordless Phone Handset** Sequence#: 25
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. Low Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	7493.333M	43.0	+36.8	-25.5			-10.0	44.3	54.0	-9.7	Horiz
2	2403.333M	49.3	+28.1	-27.2			-10.0	40.2	54.0	-13.8	Horiz
3	2476.667M	47.7	+28.3	-27.1			-10.0	38.9	54.0	-15.1	Horiz
4	1880.000M	48.8	+26.9	-27.7			-10.0	38.0	54.0	-16.0	Horiz
5	2453.333M	46.5	+28.2	-27.2			-10.0	37.5	54.0	-16.5	Horiz
6	3115.000M	42.5	+30.5	-27.3			-10.0	35.7	54.0	-18.3	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 11:44:20
Equipment: **Cordless Phone Handset** Sequence#: 26
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. Low Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	7353.333M	43.3	+36.5	-25.4			-10.0	44.4	54.0	-9.6	Vert
2	3615.000M	43.2	+31.9	-27.4			-10.0	37.7	54.0	-16.3	Vert
3	2406.667M	45.7	+28.1	-27.2			-10.0	36.6	54.0	-17.4	Vert
4	2473.333M	44.2	+28.3	-27.1			-10.0	35.4	54.0	-18.6	Vert
5	2433.333M	43.7	+28.2	-27.2			-10.0	34.7	54.0	-19.3	Vert
6	2466.667M	43.7	+28.2	-27.2			-10.0	34.7	54.0	-19.3	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 13:06:31
Equipment: **Cordless Phone Handset** Sequence#: 28
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. Mid Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	7360.000M	43.3	+36.5	-25.4			-10.0	44.4	54.0	-9.6	Horiz
2	2473.333M	46.3	+28.3	-27.1			-10.0	37.5	54.0	-16.5	Horiz
3	2460.000M	46.0	+28.2	-27.2			-10.0	37.0	54.0	-17.0	Horiz
4	3450.000M	42.7	+31.5	-27.3			-10.0	36.9	54.0	-17.1	Horiz
5	2406.667M	45.0	+28.1	-27.2			-10.0	35.9	54.0	-18.1	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 12:57:22
Equipment: **Cordless Phone Handset** Sequence#: 27
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. Mid Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	6960.000M	42.3	+35.5	-25.2			-10.0	42.6	54.0	-11.4	Vert
2	2403.333M	46.7	+28.1	-27.2			-10.0	37.6	54.0	-16.4	Vert
3	3445.000M	42.5	+31.5	-27.3			-10.0	36.7	54.0	-17.3	Vert
4	1216.667M	42.7	+24.6	-27.7			-10.0	29.6	54.0	-24.4	Vert

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 13:18:36
Equipment: **Cordless Phone Handset** Sequence#: 29
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. High Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	7300.000M	42.8	+36.3	-25.4			-10.0	43.7	54.0	-10.3	Horiz
2	2453.333M	46.2	+28.2	-27.2			-10.0	37.2	54.0	-16.8	Horiz
3	3432.225M	42.3	+31.4	-27.4			-10.0	36.3	54.0	-17.7	Horiz
4	2426.667M	43.0	+28.2	-27.2			-10.0	34.0	54.0	-20.0	Horiz

Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **FCC 15.247(c)**
Work Order #: **79460** Date: 10/14/03
Test Type: **Maximized Emissions** Time: 13:38:58
Equipment: **Cordless Phone Handset** Sequence#: 30
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Handset*	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Handset. 120V 60Hz. High Channel. The headset is attached to the handset. Transmitter operating at full power without modulation.
1-10 GHz tested.

Transducer Legend:

T1=Horn CKC 1412	T2=83051a-1 Preamp

Measurement Data: Reading listed by margin. Test Distance: 1 Meter

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	9373.334M	42.5	+38.8	-26.7			-10.0	44.6	54.0	-9.4	Vert
2	2466.667M	45.8	+28.2	-27.2			-10.0	36.8	54.0	-17.2	Vert
3	3130.000M	42.7	+30.6	-27.4			-10.0	35.9	54.0	-18.1	Vert
4	2406.667M	45.0	+28.1	-27.2			-10.0	35.9	54.0	-18.1	Vert

Test Location:	CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757		
Customer:	**Consumerware**		
Specification:	**CISPR 22 B COND [AVE]**		
Work Order #:	**79460**	Date:	10/9/03
Test Type:	**Conducted Emissions**	Time:	10:50:06 AM
Equipment:	**Cordless Phone Base Station**	Sequence#:	4
Manufacturer:	Consumerware	Tested By:	Andrew Pace
Model:	Aero 2000		120V 60Hz
S/N:	none		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none
Cordless Phone Handset	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Line. Base Station and Handset. System performing BLER test between the handset and base station to simulate full load. 150 kHz – 30 MHz tested.

Transducer Legend:

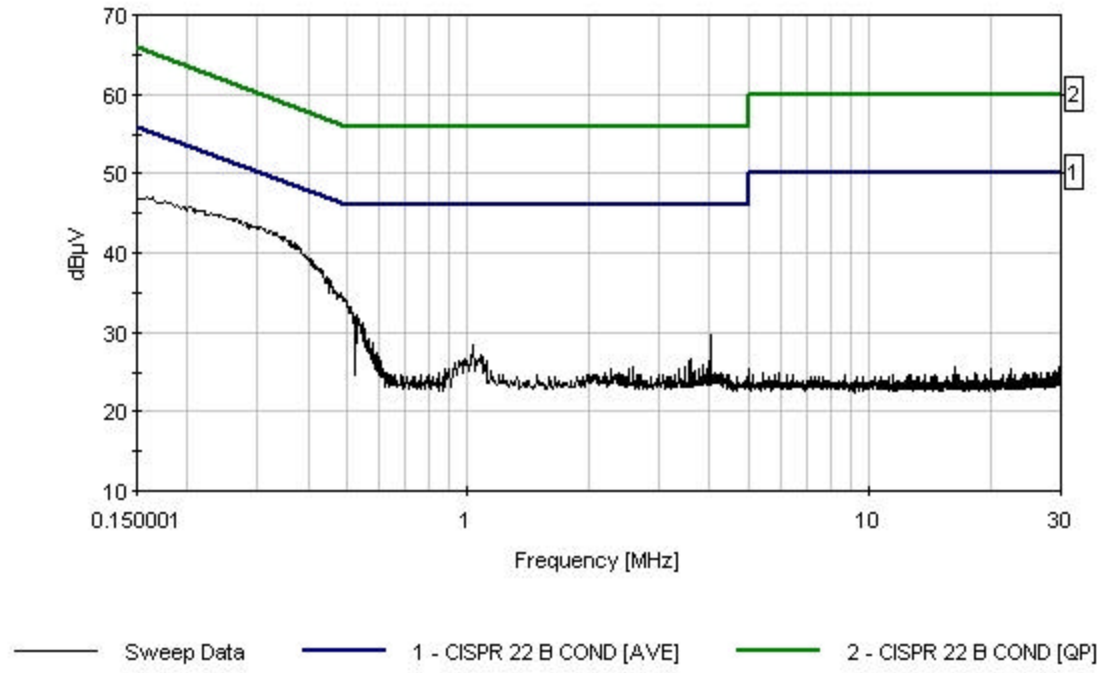
T1=Netro Gore System Cables

Measurement Data: Reading listed by margin. Test Lead: Black

#	Freq MHz	Rdng dBµV	T1 dB	dB	dB	dB	Dist Table	Corr dBµV	Spec dBµV	Margin dB	Polar Ant
1	159.091k	47.1	+0.0				+0.0	47.1	55.5	-8.4	Black
2	528.147k	32.3	+0.0				+0.0	32.3	46.0	-13.7	Black
3	4.026M	29.6	+0.0				+0.0	29.6	46.0	-16.4	Black
4	1.031M	28.4	+0.0				+0.0	28.4	46.0	-17.6	Black
5	3.575M	26.7	+0.0				+0.0	26.7	46.0	-19.3	Black
6	29.823M	25.4	+0.3				+0.0	25.7	50.0	-24.3	Black
7	16.405M	25.6	+0.0				+0.0	25.6	50.0	-24.4	Black
8	20.041M	25.5	+0.0				+0.0	25.5	50.0	-24.5	Black
9	22.540M	25.3	+0.1				+0.0	25.4	50.0	-24.6	Black

10	5.019M	25.3	+0.0		+0.0	25.3	50.0	-24.7	Black
11	29.018M	24.8	+0.3		+0.0	25.1	50.0	-24.9	Black
12	8.655M	24.6	+0.0		+0.0	24.6	50.0	-25.4	Black
13	12.670M	24.6	+0.0		+0.0	24.6	50.0	-25.4	Black

CKC Laboratories, Inc. Date: 10/09/2003 Time: 10:50:06 AM Consumerware WO#: 79460
CISPR 22 B COND [AVE] Test Lead: Black 120V 60Hz Black Sequence#: 4
Line. Base Station and Handset. System performing BLER test between the handset and base station to simulate full load.



Test Location: CKC Laboratories, Inc. •14797 NE 95th Street • Redmond, WA 98052 • (425) 883-4757

Customer: **Consumerware**
Specification: **CISPR 22 B COND [AVE]**
Work Order #: **79460** Date: 10/9/03
Test Type: **Conducted Emissions** Time: 11:00:09
Equipment: **Cordless Phone Base Station** Sequence#: 5
Manufacturer: Consumerware Tested By: Andrew Pace
Model: Aero 2000 120V 60Hz
S/N: none

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Cordless Phone Base Station*	Consumerware	Aero 2000	none
Cordless Phone Handset	Consumerware	Aero 2000	none

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Neutral. Base Station and Handset. System performing BLER test between the handset and base station to simulate full load. 150 kHz – 30 MHz tested.

Transducer Legend:

T1=Netro Gore System Cables

Measurement Data: Reading listed by margin. Test Lead: White

#	Freq MHz	Rdng dBµV	T1 dB	dB	dB	dB	Dist Table	Corr dBµV	Spec dBµV	Margin dB	Polar Ant
1	151.819k	48.6	+0.0				+0.0	48.6	55.9	-7.3	White
2	1.013M	36.1	+0.0				+0.0	36.1	46.0	-9.9	White
3	1.076M	34.8	+0.0				+0.0	34.8	46.0	-11.2	White
4	4.026M	28.5	+0.0				+0.0	28.5	46.0	-17.5	White
5	1.987M	26.7	+0.0				+0.0	26.7	46.0	-19.3	White
6	3.259M	26.4	+0.0				+0.0	26.4	46.0	-19.6	White
7	2.447M	26.2	+0.0				+0.0	26.2	46.0	-19.8	White
8	4.892M	25.6	+0.0				+0.0	25.6	46.0	-20.4	White
9	26.212M	25.9	+0.2				+0.0	26.1	50.0	-23.9	White
10	23.605M	25.8	+0.1				+0.0	25.9	50.0	-24.1	White
11	9.530M	25.3	+0.0				+0.0	25.3	50.0	-24.7	White

12	15.981M	25.3	+0.0	+0.0	25.3	50.0	-24.7	White
13	29.922M	25.0	+0.3	+0.0	25.3	50.0	-24.7	White
14	12.877M	25.2	+0.0	+0.0	25.2	50.0	-24.8	White
15	19.058M	24.8	+0.0	+0.0	24.8	50.0	-25.2	White
16	529.965k Ave	12.1	+0.0	+0.0	12.1	46.0	-33.9	White
^	529.965k	42.3	+0.0	+0.0	42.3	46.0	-3.7	White

CKC Laboratories, Inc. Date: 10/09/2003 Time: 11:00:09 Consumerware WO#: 79460
CISPR 22 B COND [AVE] Test Lead: White 120V 60Hz White Sequence#: 5
Neutral. Base Station and Handset. System performing BLER test between the handset and base station to simulate full lo