

FCC PART 24, SUBPART B COMPLIANCE TEST REPORT

for

Electromagnetic Emissions

of

LGC WIRELESS DISTRIBUTED ANTENNA SYSTEM

Model Number: LG Cell DAS19M-4-X

Serial Number: Prototype

FCC ID: NOO-DAS1900-4-X

MJO#: SN9I-009

Prepared for:

LGC WIRELESS, INCORPORATED

585 East Brokaw Road

San Jose, CA 95112

Prepared by:

EMC Technology Services, Incorporated

49000 Milmont Drive

Fremont, CA 94538

(510) 440-3838

REPORT DATE: OCTOBER 18, 1999

FCC PART 24 SUBPART B COMPLIANCE TEST REPORT

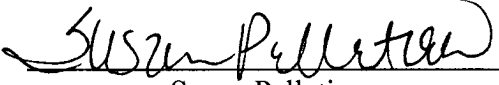
FOR

LGC WIRELESS DISTRIBUTED ANTENNA SYSTEM
MODEL LG CELL DAS19M-4-X

Prepared for:

LGC WIRELESS, INC.
San Jose, CA 95112

Prepared by: EMC Technology Services, Inc.

	Signature	Date
TEST TECHNICIAN	 _____ Dominic Griego	<u>11-3-99</u>
TEST SUPERVISOR	 _____ Daryl Smith	<u>11-3-99</u>
Q.C. MANAGER/ FINAL RELEASE	 _____ Susan Pelletier	<u>11-3-99</u>

LIST OF REVISIONS

<u>REVISION NUMBER AND DATE</u>	<u>PAGE CHANGED</u>	<u>PAGE SUBSTITUTED</u>	<u>PAGE ADDED</u>
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VERIFICATION OF COMPLIANCE

Equipment Under Test: LGC Wireless Distributed Antenna System

Model Number: LG Cell DAS19M-4-X

Serial Number: Prototype

Company: LGC Wireless, Inc.
585 E. Brokaw Rd.
San Jose, CA 95112

Test Standard: CFR 47, Part 24, Subpart B-1998

Type of Test: Radiated 30 MHz - 19.575 GHz

Performance Criteria: For Radiated test, emissions must not exceed the limits stated in FCC as per CFR 47 Part 24, Section 133.

For Radiated test, emissions must not exceed the limits stated in FCC as per CFR 47 Part 24.51, Subpart C, Paragraph (6). Levels set forth in IEEE C95.1 (1991), using methods specified in IEEE C95.3 (1991)

Date Tested: September 29, 1999/September 30, 1999 - Radiated

Test Technician: Dominic Griego

The above equipment was tested by EMC Technology Services, Inc., for compliance with the requirements set forth in the CFR 47, Part 24, Subpart B Rules and Regulations. This said equipment in the configuration described in the report shows, that maximum emission levels emanating from the equipment are within the compliance requirements.

GENERAL INFORMATION

Customer: LGC Wireless, Inc.
585 E. Brokaw Rd.
San Jose, CA 95112

Contact Person: John Dorsey

Phone Number: (408) 487-2400

Equipment Under Test: LGC Wireless Distributed Antenna System

Model Number: LG Cell DAS19M-4-X

Serial Number: Prototype

FCC ID Number: NOO-DAS1900-4-X

Test Standard: CFR 47, Part 24, Subpart B-1998

Type of Test: Radiated 30 MHz - 19.575 GHz

Performance Criteria: For Radiated test, emissions must not exceed the limits stated in FCC as per CFR 47 Part 24, Section 133.

For Radiated test, emissions must not exceed the limits stated in FCC as per CFR 47 Part 24.51, Subpart C, Paragraph (6). Levels set forth in IEEE C95.1 (1991), using methods specified in IEEE C95.3 (1991)

Deviation: None

Test Results: Radiated--Radiated scans ranged from 30 MHz to 19.575 GHz in both the horizontal and the vertical antenna polarization. All radiated emissions were within the CFR 47, Part 24, Subpart B requirements for compliance.

SYSTEM DESCRIPTION

Equipment Under Test

LGC Wireless Distributed Antenna System

Support Equipment

Signal Generator

EUT Test Program: Idle State

PRODUCT INFORMATION

Description of Equipment Under Test: The LGC Wireless Distributed Antenna System consists of the following six (6) modules:

1) Main Hub:

Housing Type: Metal

AC Power Requirements: 110-250 VAC, 50/60 Hz

Power Supply Model Number: Astec International Ltd., Type LPS43

Serial Number: 2400106

Power Cable: Unshielded

Length: 1.5 m

Gauge: 18

I/O PORT TYPE

TERMINATED TO

1) 9-pin Diagnostic Dsub Port	Unterminated
2) 25-pin Diagnostic Dsub Port	Unterminated
3) Reverse Power	Unterminated
4) Forward Power	Unterminated
5) Duplex	Unterminated
6) Fiber Ports (×4) Uplink	Terminated (1)
7) Fiber Ports (×4) Downlink	Terminated (1)

PRODUCT INFORMATION (continued)

2) Expansion Hub:

Housing Type: Metal

AC Power Requirements: 100-240 VAC/47-63 Hz

Power Supply Model Number: International Power Sources Inc., Model UPO651S-02

Serial Number: 2400106

Power Cable: Unshielded

Length: 1.5 m

Gauge: 18

I/O PORT TYPE

TERMINATED TO

1) RJ45 Antenna Ports (×2)

Fiber Uplink Port

2) RJ45 Antenna Ports (×2)

Fiber Downlink Port

PRODUCT INFORMATION (continued)

3) Antenna Unit #1:

Model Number: DAS19A-4

Serial Number: 2400157

I/O PORT TYPE

Expansion Hub

TERMINATED TO

Port #1

4) Antenna Unit #2:

Model Number: DAS19A-4

Serial Number: 2400161

I/O PORT TYPE

Expansion Hub

TERMINATED TO

Port #2

5) Antenna Unit #3:

Model Number: DAS19A-4

Serial Number: 2400158

I/O PORT TYPE

Expansion Hub

TERMINATED TO

Port #3

6) Antenna Unit #4:

Model Number: DAS19A-4

Serial Number: 2400149

I/O PORT TYPE

Expansion Hub

TERMINATED TO

Port #4

CUSTOMER INFORMATION

LGCell 1900 MHz CDMA Hybrid/Fiber Twisted Pair Microcellular Distributed Antenna System Specifications

Typical RF Specifications (@ 25°C) w/ 1km of fiber and 50m of TP cables

Parameters	Downlink	Uplink
Frequency (MHz)	1930-1975	1850-1895
Bandwidth ¹	15 MHz	15 MHz
Filter Attenuation (dB)	-40 @ +16.5 MHz	-40 @ +11 MHz
Nominal System Gain (dB)(Duplex / Simplex Port)	+40 / 0	+40 / 0 ²
Variation to Nominal System Gain (dB)	≤ ±2.5	≤ ±2.5
Gain Flatness (dB)	≤ ±2.5	≤ ±2.5
Third Order Intercept (dBm) (duplex/simplex port)	+29 / +29	+15 / -25
Nominal Noise Figure (dB)	-	18 ³
1dB Compression Point (dBm)	+19	-
Maximum Radiated Power Per CDMA Carrier (dBm)	5dBm, 3 CDMA carriers	-
Waveform Quality (ρ) (at maximum power)	> 0.96	> 0.96
Spurious Emissions (BW = 30kHz)	-45dBc @ +/- 885kHz	-45dBc @ +/- 885kHz
System Group Delay (not including cable) (μs)	< 0.5	< 2

¹ Customer specifies the center frequency of the passband. ² For input signal ≤ -40dBm. AGC engaged at input higher than -40dBm.

³ For a system with 1 Main Hub, 1 Expansion Hub and 4 Remote Antennas

Absolute Maximum Ratings (@ 25°C)

Parameters	Ratings
Main Hub Composite RF Input (downlink) Power (dBm) (duplex/simplex port)	-20 / +20
Antenna RF Input (uplink) Power (dBm)	+15

Environmental Specifications

Parameters	Ratings
Operating Temperature (°C)	0 to +45
Operating Humidity; non-condensing (%)	5 to 95

Physical Specifications

Parameters	Main Hub	Expansion Hub	Remote Antenna Unit
RF Connectors	(3) N-female (Duplex, Forward & Reverse)	(4) RJ-45	(1) RJ-45 / (1) SMA
Remote Alarm Connector (contact closure)	(1) 9-pin D-sub (1) 25-pin D-sub	-	-
ST Multi-mode Fiber Connectors	(4) Pair	(1) Pair	-
LED Alarm & Status Indicators	Power On; Sync; Port Fault; Connect	Power On; Sync; Port Fault; Connect	Power On; Alarm
AC Power (Volts) / (current) (50-400 Hz)	85-264V / 1.5A	85-264V / 1.6A	-
Maximum heat dissipation (W)	20	20	7.5
Enclosure Dimensions ⁴ (inch) height x width x depth (mm)	1.75 x 17.25 x 9 44.5 x 438 x 229	1.75 x 17.25 x 9 44.5 x 438 x 229	1.3x5.5x5.6 33x 140 x 142
Weight (kg)	< 3	< 3	< 0.3
MTBF (hours)	298,000	461,000	965,000

⁴ Excluding angle-brackets for 19" rack-mounting of hubs.

CUSTOMER INFORMATION (continued)

LGCell 1900 MHz TDMA {IS-136} Hybrid/Fiber Twisted Pair Microcellular Distributed Antenna System Specifications

Typical RF Specifications (@ 25°C)

Parameters	Downlink	Uplink
Frequency (MHz)	1930-1990	1850-1910
Bandwidth ¹	15 MHz	15 MHz
Filter Attenuation (dB)	-40 @ ±16.5 MHz	-40 @ ±11 MHz
Nominal System Gain (dB)(Duplex / Simplex Port)	+40 / 0	+40 / 0 ²
System Gain Variation (dB)	≤ ±2.5	≤ ±2.5
Gain Flatness (dB)	≤ ±2.5	≤ ±2.5
Third Order Intercept (dBm) (duplex/simplex port)	+29 / +29	+15 / -25
Nominal Noise Figure (dB)	-	18 ³
1dB Compression Point (dBm)	+20	-
Maximum Radiated Power Per TDMA Carrier (dBm) with Spurious and inter-modulation < -13dBm	3.5dBm, 8carriers	-
System Group Delay (not including cable) (μs)	< 0.5	< 2

¹ Customer specifies the center frequency of the passband. ² For input signal ≤ -40dBm. AGC engaged at input higher than -40dBm.

³ For a system with 1 Main Hub, 1 Expansion Hub and 4 Remote Antennas

Absolute Maximum Ratings (@ 25°C)

Parameters	Ratings
Main Hub Composite RF Input (downlink) Power (dBm) (duplex/simplex port)	-20 / +20
Antenna RF Input (uplink) Power (dBm)	+15

Environmental Specifications

Parameters	Ratings
Operating Temperature (°C)	0 to +45
Operating Humidity; non-condensing (%)	5 to 95

Physical Specifications

Parameters	Main Hub	Expansion Hub	Remote Antenna Unit
RF Connectors	(3) N-female (Duplex, Forward & Reverse)	(4) RJ-45	(1) RJ-45 / (1) SMA
Remote Alarm Connector (contact closure)	(1) 9-pin D-sub (1) 25-pin D-sub	-	-
ST Multi-mode Fiber Connectors	(4) Pair	(1) Pair	-
LED Alarm & Status Indicators	Power On; Sync; Port Fault; Connect	Power On; Sync; Port Fault; Connect	Power On; Alarm
AC Power (Volts) / (current) (50-400 Hz)	85-264V / 1.5A	85-264V / 1.6A	-
Maximum heat dissipation (W)	20	20	7.5
Enclosure Dimensions ⁴ (inch) height x width x depth (mm)	1.75 x 17.25 x 9 44.5 x 438 x 229	1.75 x 17.25 x 9 44.5 x 438 x 229	1.4 x 4.3 x 5.5 36 x 110 x 140
Weight (kg)	< 3	< 3	< 0.3
MTBF (hours)	298,000	461,000	965,000

⁴ Excluding angle-brackets for 19" rack-mounting of hubs.

CUSTOMER INFORMATION (continued)

LGCell 1900 MHz GSM Hybrid/Fiber Twisted Pair Microcellular Distributed Antenna System Specifications

Typical RF Specifications (@ 25°C)

Parameters	Downlink	Uplink
Frequency (MHz)	1930-1990	1850-1910
Bandwidth ¹	15 MHz	15 MHz
Filter Attenuation (dB)	-40 @ +16.5 MHz	-40 @ +11 MHz
Nominal System Gain (dB)(Duplex / Simplex Port)	+40 / 0	+40 / 0 ²
System Gain Variation (dB)	≤ ±2.5	≤ ±2.5
Gain Flatness (dB)	≤ ±2.5	≤ ±2.5
Third Order Intercept (dBm) (duplex/simplex port)	+29 / +29	+15 / -25
Nominal Noise Figure (dB)	-	18 ³
1dB Compression Point (dBm)	+20	-
Maximum Radiated Power Per GSM Carrier (dBm) with Spurious and inter-modulation < -13dBm	0dBm, 8carriers	-
System Group Delay (not including cable) (μs)	< 0.5	< 2

¹ Customer specifies the center frequency of the passband. ² For input signal ≤ -40dBm. AGC engaged at input higher than -40dBm.

³ For a system with 1 Main Hub, 1 Expansion Hub and 4 Remote Antennas

Absolute Maximum Ratings (@ 25°C)

Parameters	Ratings
Main Hub Composite RF Input (downlink) Power (dBm) (duplex/simplex port)	-20 / +20
Antenna RF Input (uplink) Power (dBm)	+15

Environmental Specifications

Parameters	Ratings
Operating Temperature (°C)	0 to +45
Operating Humidity; non-condensing (%)	5 to 95

Physical Specifications

Parameters	Main Hub	Expansion Hub	Remote Antenna Unit
RF Connectors	(3) N-female (Duplex, Forward & Reverse)	(4) RJ-45	(1) RJ-45 / (1) SMA
Remote Alarm Connector (contact closure)	(1) 9-pin D-sub (1) 25-pin D-sub	-	-
ST Multi-mode Fiber Connectors	(4) Pair	(1) Pair	-
LED Alarm & Status Indicators	Power On; Sync; Port Fault; Connect	Power On; Sync; Port Fault; Connect	Power On; Alarm
AC Power (Volts) / (current) (50-400 Hz)	85-264V / 1.5A	85-264V / 1.6A	-
Maximum heat dissipation (W)	20	20	7.5
Enclosure Dimensions ⁴ (inch) height x width x depth (mm)	1.75 x 17.25 x 9 44.5 x 438 x 229	1.75 x 17.25 x 9 44.5 x 438 x 229	1.4 x 4.3 x 5.5 36 x 110 x 140
Weight (kg)	< 3	< 3	< 0.3
MTBF (hours)	298,000	461,000	965,000

⁴ Excluding angle-brackets for 19" rack-mounting of hubs.

SUPPORT EQUIPMENT

Equipment Type: Signal Generator

Model Number: SMIQ-03

Serial Number: DE23533

FCC ID Number: None

Manufacturer: Rohde and Schwarz

Power Line Cord Type: Unshielded

I/O PORT TYPE

Output

TERMINATED TO

Antenna 4

Note: This device was used to test the signal of the EUT.

PRODUCT CABLING INFORMATION

Equipment Under Test (EUT): LGC Wireless Distributed Antenna System

Cable: Antenna #1

Unshielded

Used From: Port #1

Port On: Expansion Hub

To: Input

Port On: Antenna #1

Connector Type: RJ45

Length: 50 meters

Cable used during test was coiled.

Cable: Antenna #2

Unshielded

Used From: Port #2

Port On: Expansion Hub

To: Input

Port On: Antenna #2

Connector Type: RJ45

Length: 50 meters

Cable used during test was coiled.

Cable: Antenna #3

Unshielded

Used From: Port #3

Port On: Expansion Hub

To: Input

Port On: Antenna #3

Connector Type: RJ45

Length: 50 meters

Cable used during test was coiled.

PRODUCT CABLING INFORMATION

Equipment Under Test (EUT): LGC Wireless Distributed Antenna System

Cable: Antenna #4

Unshielded

Used From: Port #4

Port On: Expansion Hub

To: Input

Port On: Antenna #4

Connector Type: RJ45

Length: 50 meters

Cable used during test was coiled.

Cable: Fiber #1

Unshielded

Used From: Uplink

Port On: Expansion Hub

To: Uplink

Port On: Main Hub

Connector Type: Fiber

Length: 50 meters

Cable used during test was coiled.

Cable: Fiber #2

Unshielded

Used From: Downlink

Port On: Expansion Hub

To: Downlink

Port On: Main Hub

Connector Type: Fiber

Length: 50 meters

Cable used during test was coiled.

SUMMARY

Company: LGC Wireless, Inc.

Equipment Under Test: LGC Wireless Distributed Antenna System

Model Number: LG Cell DAS19M-4-X

Test Standard: CFR 47, Part 24, Subpart B, Class B

Test Type: Radiated

Location: 3 Meters Test Site #2

Test Technician: Dominic Griego

Assistant: Richard Garcia

EUT was scanned in the following setup(s): **Mode:** CDMA, TDMA, GSM (For all 49 modes of operation, see page 21.) **Configuration:** One - Uplink to Downlink (For all 49 configuration description, see page 21.)

The highest emissions recorded were in test setup #40 on page 19.

Support Equipment: Signal Generator

EUT Power: 110 VAC/60 Hz

Power Cord: Unshielded

Modification(s) made to EUT: None

Test Results: Passed

(The chart below shows the six highest readings taken from the final data)

FREQ MHz	CORR'D dBμV/m	SITE CF	LIMIT		MARGIN		NOTE
			QP	AVG	QP	AVG	
5872.5	73.0 VA	+7.6	83.0		-10.0		Horizontal
7830.0	73.8 PK	+8.4	83.0		-9.2		Horizontal
9787.5	70.8 PK	+11.1	83.0		-12.2		Horizontal
11745.0	68.1 PK	+13.7	83.0		-14.9		Horizontal
5872.5	79.3 PK	+7.6	83.0		-3.7		Vertical
7830.0	68.5 PK	+8.4	83.0		-14.5		Vertical

SUMMARY

Company: LGC Wireless Inc.

Equipment Under Test: LGC Wireless Distributive Antenna System

Model Number: LG Cell DAS19M-4-X

Test Standard: CFR Part 24.51 Subpart C

Test Type: Radiated

Location: 1 Meter Test Site 4

Test Technician: Leonides Agbayani

Assistant: Camilo O'bana

EUT was scanned in the following setup(s): Mode: 1 Configuration: 1

The highest emissions recorded were in test setup #1 above.

Support Equipment: Spectrum Analyzer/ Signal Generator

EUT Power: 120VAC/60Hz

Power Cord: Unshielded

Modification(s) made to EUT: None.

Test Results: Passed

(The chart below shows the four readings taken from the final data)

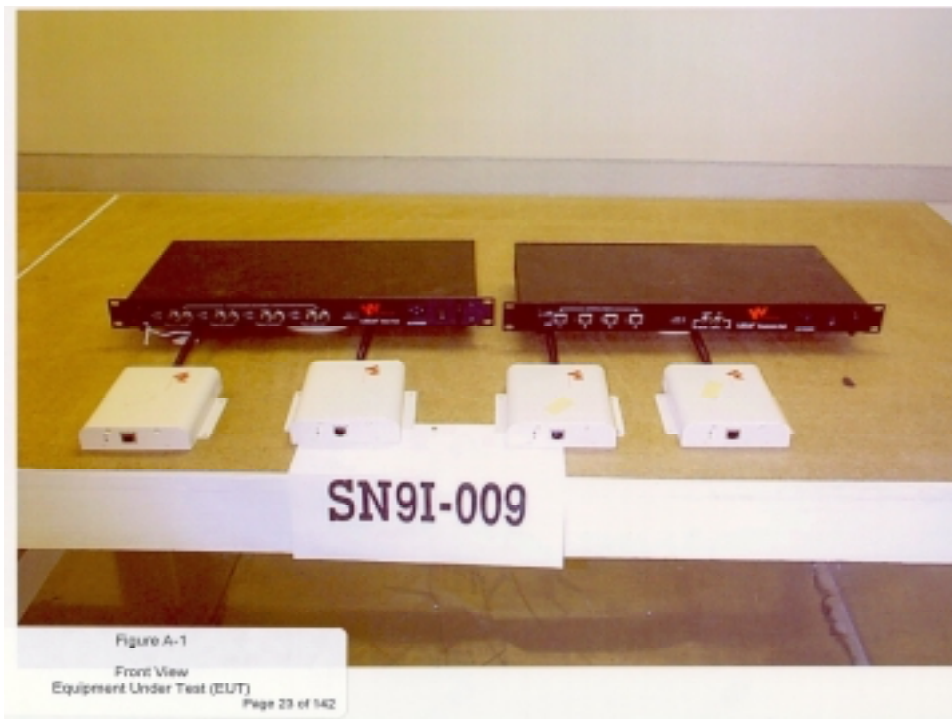
Freq. (MHz)	Raw (dBuV)	CF(dB)	Corr'd (mW/Cm2)	Limit (mW/Cm2)	Margin	Polarization	Tbl/Ant.	Pass/Fail
Down-link using a continuous signal.								
1947.5	97.6	29.7	0.001424488	1.30	-1.30	Horz	330/1	Pass
1947.5	92.3	29.7	4.20396E-04	1.30	-1.30	Vert	20/1	Pass
Up-link using a continuous signal.								
1867.5	72.9	29.3	4.40209E-06	1.25	-1.24	Horz	270/1	Pass
1867.5	69.5	29.3	2.01214E-06	1.25	-1.24	Vert	0/1	Pass

FORTY-NINE (49) MODES OF OPERATION

- | | |
|----------------------------------|--|
| 1) Duplex/GSM A Band Uplink | 31) Simplex/CDMA A band Uplink |
| 2) Duplex/GSM A Band Downlink | 32) Simplex/CDMA A Band Downlink |
| 3) Duplex/GSM B Band Uplink | 33) Simplex/CDMA B Band Uplink |
| 4) Duplex/GSM B Band Downlink | 34) Simplex/CDMA B Band Downlink |
| 5) Duplex/GSM F Band Uplink | 35) Simplex/CDMA F Band Uplink |
| 6) Duplex/GSM F Band Downlink | 36) Simplex/CDMA F Band Downlink |
| 7) Simplex/GSM A Band Uplink | 37) Duplex/Continuous A Band Uplink |
| 8) Simplex/GSM A Band Downlink | 38) Duplex/Continuous A Band Downlink |
| 9) Simplex/GSM B Band Uplink | 39) Duplex/Continuous B Band Uplink |
| 10) Simplex/GSM B Band Downlink | 40) Duplex/Continuous B Band Downlink |
| 11) Simplex/GSM F Band Uplink | 41) Duplex/Continuous F Band Uplink |
| 12) Simplex/GSM F Band Downlink | 42) Duplex/Continuous F Band Downlink |
| 13) Duplex/TDMA A Band Uplink | 43) Simplex/Continuous A Band Uplink |
| 14) Duplex/TDMA A Band Downlink | 44) Simplex/Continuous A Band Downlink |
| 15) Duplex/TDMA B Band Uplink | 45) Simplex/Continuous B Band Uplink |
| 16) Duplex/TDMA B Band Downlink | 46) Simplex/Continuous B Band Downlink |
| 17) Duplex/TDMA F Band Uplink | 47) Simplex/Continuous F Band Uplink |
| 18) Duplex/TDMA F Band Downlink | 48) Simplex/Continuous F Band Downlink |
| 19) Simplex/TDMA A Band Uplink | 49) Idle Mode |
| 20) Simplex/TDMA A Band Downlink | |
| 21) Simplex/TDMA B Band Uplink | |
| 22) Simplex/TDMA B Band Downlink | |
| 23) Simplex/TDMA F Band Uplink | |
| 24) Simplex/TDMA F Band Downlink | |
| 25) Duplex/CDMA A Band Uplink | |
| 26) Duplex/CDMA A Band Downlink | |
| 27) Duplex/CDMA B Band Uplink | |
| 28) Duplex/CDMA B Band Downlink | |
| 29) Duplex/CDMA F Band Uplink | |
| 30) Duplex/CDMA F Band Downlink | |

APPENDIX A

PHOTOGRAPHS



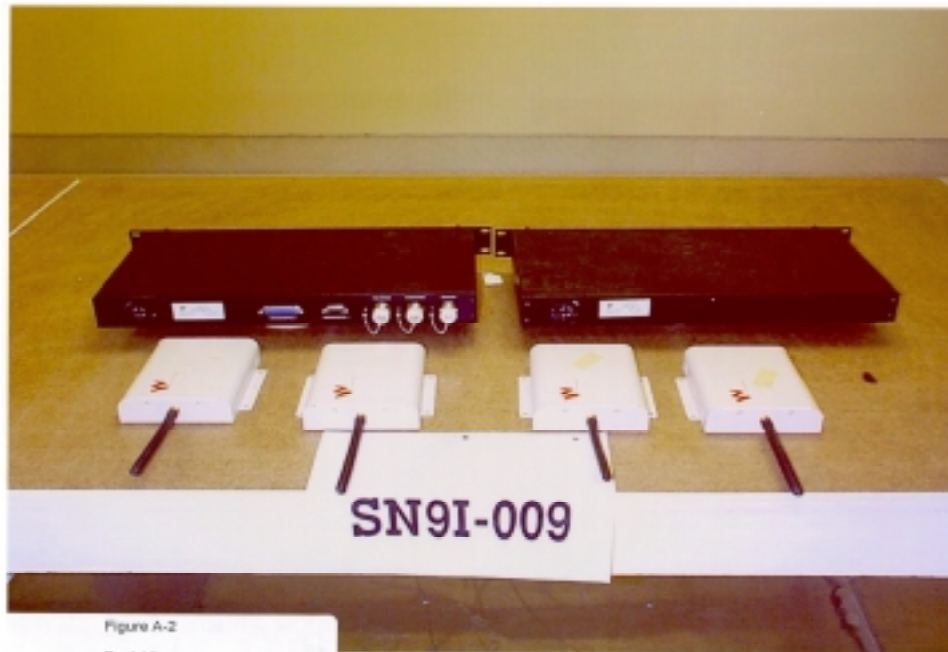


Figure A-2
Back View
Equipment Under Test (EUT)
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APPENDIX B

TEST FACILITY

TEST FACILITY

Location: 11825 Niles Canyon Road
Sunol, CA 94586

Description: At the Sunol facility, there are four 3/10 m open area test sites, two line conducted labs and two indoor conducted/radiated engineering labs. The OATS and the LC labs are constructed and calibrated to meet the FCC requirements in documents OST-55/MP-4 and ANSI C63.4 1992.

Accreditation: EMC Technology Services Inc., has been accredited by A2LA to do EMC testing, including FCC DoC testing on personal computers and their peripherals.

FCC has also accepted EMC Technology Services, Inc., facility site for filing applications for certification and notification.

Certification: EMC Technology Services, Inc., has the following test/lab sites certified by VCCI and Industry Canada (IC):

Open Area Test Site #1: VCCI No. R-802 and IC 2816-1

Open Area Test Site #2: VCCI No. R-376 and IC 2816-2

Open Area Test Site #3: VCCI No. R-377 and IC 2816-3

Open Area Test Site #4: VCCI No. R-378 and IC 2816-4

Line Conducted Lab #1: VCCI No. C-392

Line Conducted Lab #2: VCCI No. C-427

APPENDIX C

TEST EQUIPMENT

MEASURING INSTRUMENT SETTINGS

TEST TYPE	DETECTOR	FREQUENCY RANGE	RESOLUTION BANDWIDTH	VIDEO BANDWIDTH
Radiated	Peak/Avg	60 Hz-1 kHz	10 Hz	100 kHz
Radiated	Peak/Avg	1 kHz-10 kHz	100 Hz	100 kHz
Radiated	Peak/Avg	10 kHz-150 kHz	300 Hz	100 kHz/300 Hz
Radiated	Peak/QP/Avg	150 kHz-30 MHz	10 kHz	100 kHz/10 kHz
Radiated	Peak/QP/Avg	30 MHz-1 GHz	100 kHz	100 kHz/10 kHz
Radiated	Peak/Avg	Above 1 GHz	1 MHz	1 MHz/300 kHz

Note: All readings on data pages are taken with the detector in peak mode unless otherwise stated.

TEST EQUIPMENT

EQUIPMENT TYPE	* MFR	MODEL NUMBER	SERIAL NUMBER	LAST ** CAL.	CAL. DUE
Horn Antenna	EMCO	3115	9104-3647	08-10-99	08-10-00
LISN	Fischer Customs	LISN-2	F001	08-20-99	08-20-00
Preamplifier	Hewlett Packard	8449B	3008A00272	02-17-99	02-17-00
Spectrum Analyzer	Tektronix	2782	B020370	06-18-99	06-18-00
Spectrum Analyzer	Hewlett Packard	8564E	00199/ 3810A01214	02-22-99	02-22-00
Biconical Antenna	Compliance Design	B100	B3	09-01-99	09-01-00
Biconical Antenna	Compliance Design	B200	128	09-01-99	09-01-00
Biconical Antenna	Compliance Design	B300	MB2	09-01-99	09-01-00
Receiver RF Section	Hewlett Packard	85462A	3807A00457	07-29-99	07-29-00
RF Filter Section	Hewlett Packard	85460A	3704A00420	07-29-99	07-29-00

* MFR = Manufacturer

** CAL. = Calibration

APPENDIX D

TEST METHODS

TEST METHODS (RADIATED TEST)

- 1) The equipment will be set up according to the test specification to simulate typical actual usage. When the EUT is a table-top system, a wooden table with a height of 0.8 meters is used which is placed on the ground plane according to the test specification. When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm covering to insulate the EUT from the ground plane.
- 2) Support equipment, if needed, will be placed according to the test specification.
- 3) All I/O cables are positioned to simulate typical actual usage according to the test specification.
- 4) The antenna is placed at some given distance away from the EUT as stated in the test specification. The antenna connects to the analyzer via a cable and at times a preamp is used.
- 5) Emissions are scanned and measured rotating the EUT to 360 degrees, positioning cable placement, and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarizations in order to maximize the emission reading level.
- 6) Emission frequency, amplitude, antenna position, polarization, and table position are recorded into a computer in which correction factors are used to calculate the emission level and compare the reading to the applicable limit.

Data Sample:

Freq. MHz	Corr'd dBμV	Site CF	Limit dBμV	Margin dBμV	Table Pos.	Ant Pos.
76.57	44.2	-12.8	40.0	-5.3	180	1.5V

Freq. = Emission frequency in MHz
 Corr'd dBμV = RAW reading converted to dBμV and CF added
 Site CF = Correction Factors for pad/cable losses
 Limit dBμV = Limit stated in standard
 Margin dBμV = Reading in reference to limit
 Table Position = EUT placement in reference to antenna
 Antenna Position = Antenna polarization and height above ground plane

APPENDIX E

CLASS TYPES

FCC CLASS TYPES

CLASS A COMPUTING DEVICE

A computing device which is marketed for use in a commercial or business environment; exclusive of a device which is marketed for use by the general public, or which is intended to be used in the home. Reference: Section 15.3 (h).

CLASS B COMPUTING DEVICE

A computing device that is marketed for use in a residential environment notwithstanding use in a commercial, business, or industrial environment. Examples of such devices include, but are not limited to: electronic games, personal computers, calculators, and similar devices that are marketed for the general public. Reference: Section 15.3 (i).

NOTE: A manufacturer may also qualify a device intended to be marketed in a commercial, business, or industrial environment as a Class B computing device, and in fact is encouraged to do so, provided the device complies with the technical specifications for a Class B computing device. In the event that a particular type of device has been found to repeatedly cause harmful interference to radio communications, the Commission may classify such a computing device as a Class B computing device, regardless of its intended use.

APPENDIX F

LABELING REQUIREMENTS

FCC CLASS B LABELING REQUIREMENT

Section 15.19 of the Code of Federal Regulation

- A) The Class B computing device subject to **certification** by the Commission shall be identified pursuant to par. 2.925 et seq of this Chapter. In addition, the label shall include the following statement:

FCC ID: NOO-DAS1900-4-X
THIS DEVICE COMPLIES WITH PART 15 OF THE
FCC RULES. OPERATION IS SUBJECT TO THE
FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL
INTERFERENCE, AND (2) THIS DEVICE MUST
ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE
UNDESIRE OPERATION.

- B) Where a device is constructed in two or more sections connected by wires and marketed together, the statement specified in this Section is required to be affixed only to the main control unit.
- C) When the device is so small or for such use that it is not practicable to place the statement specified in this Section on it, the information required by these paragraphs shall be placed in a prominent location in the instruction manual or pamphlet supplied to the user or, alternatively, shall be placed on the container in which the device is marketed. However, the FCC identifier or the unique identifier, as appropriate, must be displayed on the device.
- D) The label shall not be a stick-on paper label. The label on these products shall be permanently affixed to the product and shall be readily visible to the purchaser at the time of purchase. "Permanently affixed" means that the label is etched, engraved, stamped, silkscreened, indelibly printed, or otherwise permanently marked on a permanently attached part of the equipment or a nameplate of metal, plastic, or other material fastened to the equipment by welding, riveting, or use of a permanent adhesive. The label must be designed to last the expected lifetime of the equipment in the environment in which the equipment may be operated and must not be readily detachable.

APPENDIX G

DATA READINGS

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 8:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horiz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horiz.

3715.00	+47.6PK	+0.7	48.3	83.0	-34.7	160	1.00
5572.50	+47.0PK	+6.3	53.3	83.0	-29.7	175	1.00
7430.00	+44.1PK	+7.9	52.0	83.0	-31.0	175	1.00
9287.50	+43.5PK	+10.4	53.9	83.0	-29.1	180	1.00
11145.00	+46.4PK	+12.9	59.3	83.0	-23.7	190	1.00
13002.50	+200.0PK	+15.6	215.6	83.0	132.6	200	1.00
14860.00	+45.3PK	+18.3	63.6	83.0	-19.4	200	1.00
16717.50	+44.4PK	+21.1	65.5	83.0	-17.5	195	1.00

changed to microwave horn antenna

18575.00	+43.6PK	+23.0	66.6	83.0	-16.4	180	1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3715.00	+46.0PK	+0.7	46.7	83.0	-36.3	45	1.00
5572.50	+46.8PK	+6.3	53.1	83.0	-29.9	60	1.00
7430.00	+45.4PK	+7.9	53.3	83.0	-29.7	100	1.00
9287.50	+42.6PK	+10.4	53.0	83.0	-30.0	102	1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 8:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION	
						TBL	ANT
11145.00	+44.2PK	+12.9	57.1	83.0	-25.9	120	1.00
13002.50	+42.8PK	+15.6	58.4	83.0	-24.6	100	1.00
14860.00	+44.5PK	+18.3	62.8	83.0	-20.2	95	1.00
16717.50	+44.4PK	+21.1	65.5	83.0	-17.5	130	1.00

Changed to microwave horn antenna

18575.00	+43.5PK	+23.0	66.5	83.0	-16.5	120	1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 9:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.							
3375.00	+49.4PK	+1.1	50.5	83.0	-32.5	200	1.00
5812.50	+74.0PK	+7.4	81.4	83.0	-1.6	165	1.00
5812.50	+68.3VA	+7.4	75.7	83.0	-7.3	165	1.00
7750.00	+69.2PK	+8.3	77.5	83.0	-5.5	180	1.00
9687.50	+55.0PK	+11.0	66.0	83.0	-17.0	180	1.00
11620.00	+50.4PK	+13.6	64.0	83.0	-19.0	180	1.00
13562.50	+42.0PK	+16.4	58.4	83.0	-24.6	180	1.00
15500.00	+39.7PK	+19.3	59.0	83.0	-24.0	145	1.00
17437.50	+39.2PK	+22.2	61.4	83.0	-21.6	160	1.00

Changed to microwave horn antenna

19375.00	+38.6PK	+23.0	61.6	83.0	-21.4	175	1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.							
3875.00	+46.9PK	+1.1	48.0	83.0	-35.0	45	1.00
5812.00	+67.3PK	+7.4	74.7	83.0	-8.3	85	1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 9:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
7750.00	+53.1PK	+8.3	61.4	83.0	-21.6	100 1.00
9687.00	+42.4PK	+10.3	53.3	83.0	-29.7	120 1.00
11620.00	+50.7PK	+13.6	64.3	83.0	-18.7	45 1.00
13562.50	+38.7PK	+16.4	55.1	83.0	-27.9	50 1.00
1550.00	+37.5PK	-6.4	31.1	83.0	-51.9	160 1.00
17437.50	+40.7PK	+22.2	62.9	83.0	-20.1	200 1.00

Changed to microwave horn antenna

19375.00	+38.8PK	+23.0	61.8	83.0	-21.2	45 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 9:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3755.00	+40.7PK	+0.8	41.5	83.0	-41.5	300 1.00
5632.50	+41.7PK	+6.6	48.3	83.0	-34.7	360 1.00
7510.00	+38.8PK	+8.0	46.8	83.0	-36.2	200 1.00
9387.50	+36.0PK	+10.5	46.5	83.0	-36.5	270 1.00
11265.00	+37.5PK	+13.1	50.6	83.0	-32.4	280 1.00
13142.00	+35.6PK	+15.8	51.4	83.0	-31.6	210 1.00
15020.00	+38.7PK	+18.6	57.3	83.0	-25.7	220 1.00
16897.00	+38.7PK	+21.4	60.1	83.0	-22.9	160 1.00

Changed to the microwave horn antenna

18775.00	+36.7PK	+23.0	59.7	83.0	-23.3	180 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3755.00	+39.4PK	+0.8	40.2	83.0	-42.8	45 1.00
5632.00	+41.1PK	+6.6	47.7	83.0	-35.3	35 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 9:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
7510.00	+37.3PK	+8.0	45.3	83.0	-37.7	70 1.00
9387.00	+36.1PK	+10.5	46.6	83.0	-36.4	100 1.00
11265.00	+37.8PK	+13.1	50.9	83.0	-32.1	130 1.00
13142.50	+37.5PK	+15.8	53.3	83.0	-29.7	125 1.00
15020.00	+38.0PK	+18.6	56.6	83.0	-26.4	155 1.00
16897.50	+37.8PK	+21.4	59.2	83.0	-23.8	200 1.00

Changed to the microwave horn antenna

18775.00	+37.1PK	+23.0	60.1	83.0	-22.9	45 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 9:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3915.00	+57.0PK	+1.2	58.2	83.0	-24.8	210 1.00
5872.50	+69.8PK	+7.6	77.4	83.0	-5.6	200 1.00
7830.00	+66.2PK	+8.4	74.6	83.0	-8.4	190 1.00
9787.50	+51.6PK	+11.1	62.7	83.0	-20.3	185 1.00
11745.00	+48.6PK	+13.7	62.3	83.0	-20.7	160 1.00
13702.50	+47.2PK	+16.6	63.8	83.0	-19.2	185 1.00
15660.00	+45.0PK	+19.5	64.5	83.0	-18.5	200 1.00
17617.50	+41.3PK	+22.4	63.7	83.0	-19.3	175 1.00

Changed to the microwave horn antenna

19575.00	+40.4PK	+23.0	63.4	83.0	-19.6	180 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3915.00	+53.5PK	+1.2	54.7	83.0	-28.3	150 1.00
5872.00	+76.5PK	+7.6	84.1	83.0	1.1	165 1.00
5872.00	+67.1VA	+7.6	74.7	83.0	-8.3	165 1.00
7830.00	+52.7PK	+8.4	61.1	83.0	-21.9	170 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 9:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
----	---	----	-----	-----	-----	---
9787.00	+48.8PK	+11.1	59.9	83.0	-23.1	170 1.00
11745.00	+48.0PK	+13.7	61.7	83.0	-21.3	185 1.00
13702.50	+43.9PK	+16.6	60.5	83.0	-22.5	140 1.00
15660.00	+41.3PK	+19.5	60.8	83.0	-22.2	180 1.00
17617.50	+40.6PK	+22.4	63.0	83.0	-20.0	170 1.00

Changed to the microwave horn antenna

19575.00	+41.0PK	+23.0	64.0	83.0	-19.0	160 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 9:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3785.00	+40.7PK	+0.9	41.6	83.0	-41.4	200 1.00
5677.00	+43.3PK	+6.8	50.1	83.0	-32.9	180 1.00
7570.00	+40.6PK	+8.1	48.7	83.0	-34.3	175 1.00
9462.00	+37.9PK	+10.6	48.5	83.0	-34.5	180 1.00
11355.00	+37.6PK	+13.2	50.8	83.0	-32.2	155 1.00
13242.50	+38.0PK	+15.9	53.9	83.0	-29.1	200 1.00
15140.00	+40.6PK	+18.8	59.4	83.0	-23.6	190 1.00
17032.50	+39.5PK	+21.6	61.1	83.0	-21.9	185 1.00

Changed to the microwave horn antenna

18925.00	+39.1PK	+23.0	62.1	83.0	-20.9	160 1.00
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Changed to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
3785.00	+40.5PK	+0.9	41.4	83.0	-41.6	165 1.00
5675.00	+41.3PK	+6.8	48.1	83.0	-34.9	155 1.00
7570.00	+39.3PK	+8.1	47.4	83.0	-35.6	170 1.00
9462.00	+38.2PK	+10.6	48.8	83.0	-34.2	180 1.00
11355.00	+37.4PK	+13.2	50.6	83.0	-32.4	165 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 9:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13247.50	+38.7PK	+15.9	54.6	83.0	-28.4	160 1.00
15140.00	+39.0PK	+18.8	57.8	83.0	-25.2	155 1.00
17032.50	+40.8PK	+21.6	62.4	83.0	-20.6	160 1.00

Changed to the microwave horn antenna

18925.00	+39.6PK	+23.0	62.6	83.0	-20.4	195 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 10:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3945.00	+49.9PK	+1.3	51.2	83.0	-31.8	160 1.00
5917.00	+72.1PK	+7.8	79.9	83.0	-3.1	175 1.00
5917.00	+65.0VA	+7.8	72.8	83.0	-10.2	175 1.00
7890.00	+49.6PK	+8.5	58.1	83.0	-24.9	200 1.00
9862.50	+45.0PK	+11.2	56.2	83.0	-26.8	170 1.00
11835.00	+44.2PK	+13.9	58.1	83.0	-24.9	170 1.00
13807.50	+41.1PK	+16.8	57.9	83.0	-25.1	180 1.00
15780.00	+39.9PK	+19.7	59.6	83.0	-23.4	160 1.00
17752.50	+39.7PK	+22.6	62.3	83.0	-20.7	200 1.00

Changed to the microwave horn antenna

19725.00	+39.0PK	+23.0	62.0	83.0	-21.0	185 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3945.00	+48.1PK	+1.3	49.4	83.0	-33.6	45 1.00
5917.50	+75.0PK	+7.8	82.8	83.0	-0.2	30 1.00
5917.50	+68.9VA	+7.8	76.7	83.0	-6.3	30 1.00
7890.00	+59.7PK	+8.5	68.2	83.0	-14.8	60 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / GSM F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 10:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
9862.50	+45.5PK	+11.2	56.7	83.0	-26.3	100 1.00
11835.00	+45.8PK	+13.9	59.7	83.0	-23.3	85 1.00
13807.50	+40.3PK	+16.8	57.1	83.0	-25.9	90 1.00
15780.00	+39.2PK	+19.7	58.9	83.0	-24.1	35 1.00
17752.50	+40.0PK	+22.6	62.6	83.0	-20.4	85 1.00

Changed to the microwave horn antenna

19725.00	+40.0PK	+23.0	63.0	83.0	-20.0	85 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 10:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3715.00	+46.8PK	+0.7	47.5	83.0	-35.5	120 1.00
5572.50	+46.3PK	+6.3	52.6	83.0	-30.4	100 1.00
7430.00	+46.0PK	+7.9	53.9	83.0	-29.1	90 1.00
9287.50	+45.2PK	+10.4	55.6	83.0	-27.4	110 1.00
11145.00	+45.8PK	+12.9	58.7	83.0	-24.3	115 1.00
13002.50	+44.2PK	+15.6	59.8	83.0	-23.2	130 1.00
14860.00	+44.0PK	+18.3	62.3	83.0	-20.7	125 1.00
16747.50	+43.8PK	+21.1	64.9	83.0	-18.1	120 1.00

Changed to the microwave horn antenna

18575.00	+44.0PK	+23.0	67.0	83.0	-16.0	125 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
3715.00	+47.2PK	+0.7	47.9	83.0	-35.1	110 1.00
5572.50	+46.0PK	+6.3	52.3	83.0	-30.7	95 1.00
7430.00	+45.3PK	+7.9	53.2	83.0	-29.8	100 1.00
9287.50	+45.0PK	+10.4	55.4	83.0	-27.6	105 1.00
11145.00	+45.2PK	+12.9	58.1	83.0	-24.9	100 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 10:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13002.50	+44.8PK	+15.6	60.4	83.0	-22.6	120 1.00
14860.00	+43.6PK	+18.3	61.9	83.0	-21.1	110 1.00
16717.50	+43.0PK	+21.1	64.1	83.0	-18.9	110 1.00

Changed to the microwave horn antenna

18575.00	+43.3PK	+23.0	66.3	83.0	-16.7	120 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 10:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13562.50	+43.0PK	+16.4	59.4	83.0	-23.6	125 1.00
15500.00	+42.4PK	+19.3	61.7	83.0	-21.3	135 1.00
17437.50	+44.0PK	+22.2	66.2	83.0	-16.8	125 1.00

Changed to the microwave horn antenna

19375.00	+43.8PK	+23.0	66.8	83.0	-16.2	125 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 10:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL	ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.							
3875.00	+45.9PK	+1.1	47.0	83.0	-36.0	110	1.00
5812.00	+46.7PK	+7.4	54.1	83.0	-28.9	125	1.00
7750.00	+45.3PK	+8.3	53.6	83.0	-29.4	145	1.00
9687.00	+44.0PK	+10.9	54.9	83.0	-28.1	135	1.00
11625.00	+43.2PK	+13.6	56.8	83.0	-26.2	125	1.00
13562.50	+44.8PK	+16.4	61.2	83.0	-21.8	130	1.00
15500.00	+43.9PK	+19.3	63.2	83.0	-19.8	150	1.00
17437.50	+43.9PK	+22.2	66.1	83.0	-16.9	135	1.00

Changed to the microwave horn antenna

19375.00	+43.2PK	+23.0	66.2	83.0	-16.8	130	1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.							
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL	ANT
3875.00	+46.1PK	+1.1	47.2	83.0	-35.8	145	1.00
5812.00	+46.0PK	+7.4	53.4	83.0	-29.6	135	1.00
7750.00	+45.2PK	+8.3	53.5	83.0	-29.5	130	1.00
9687.50	+45.0PK	+11.0	56.0	83.0	-27.0	130	1.00
11625.00	+43.4PK	+13.6	57.0	83.0	-26.0	130	1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 11:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3915.00	+47.5PK	+1.2	48.7	83.0	-34.3	185 1.00
5872.00	+54.1PK	+7.6	61.7	83.0	-21.3	185 1.00
7830.00	+48.0PK	+8.4	56.4	83.0	-26.6	195 1.00
9787.50	+47.7PK	+11.1	58.8	83.0	-24.2	190 1.00
11745.00	+45.8PK	+13.7	59.5	83.0	-23.5	200 1.00
13702.50	+44.3PK	+16.6	60.9	83.0	-22.1	195 1.00
15660.00	+44.8PK	+19.5	64.3	83.0	-18.7	220 1.00
17617.50	+43.7PK	+22.4	66.1	83.0	-16.9	200 1.00

Changed to the microwave horn antenna

19575.00	+43.6PK	+23.0	66.6	83.0	-16.4	200 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3915.00	+47.0PK	+1.2	48.2	83.0	-34.8	210 1.00
5872.00	+53.9PK	+7.6	61.5	83.0	-21.5	210 1.00
7830.00	+45.6PK	+8.4	54.0	83.0	-29.0	200 1.00
9787.50	+44.8PK	+11.1	55.9	83.0	-27.1	230 1.00
11745.00	+45.2PK	+13.7	58.9	83.0	-24.1	210 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 11:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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13702.50	+44.8PK	+16.6	61.4	83.0	-21.6	200 1.00
15660.00	+44.1PK	+19.5	63.6	83.0	-19.4	200 1.00
17617.50	+44.0PK	+22.4	66.4	83.0	-16.6	210 1.00

Changed to the microwave horn antenna

19575.00	+44.0PK	+23.0	67.0	83.0	-16.0	230 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 10:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3755.00	+45.8PK	+0.8	46.6	83.0	-36.4	150 1.00
5632.00	+45.6PK	+6.6	52.2	83.0	-30.8	150 1.00
7510.00	+44.0PK	+8.0	52.0	83.0	-31.0	145 1.00
9387.50	+43.4PK	+10.5	53.9	83.0	-29.1	130 1.00
11265.00	+42.8PK	+13.1	55.9	83.0	-27.1	125 1.00
13142.50	+43.1PK	+15.8	58.9	83.0	-24.1	125 1.00
15020.00	+43.5PK	+18.6	62.1	83.0	-20.9	135 1.00
16897.50	+42.7PK	+21.4	64.1	83.0	-18.9	150 1.00

Changed to the microwave horn antenna

18775.00	+43.1PK	+23.0	66.1	83.0	-16.9	125 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3755.00	+44.4PK	+0.8	45.2	83.0	-37.8	150 1.00
5632.50	+45.9PK	+6.6	52.5	83.0	-30.5	160 1.00
7510.00	+45.6PK	+8.0	53.6	83.0	-29.4	125 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 10:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
9387.50	+43.7PK	+10.5	54.2	83.0	-28.8	125 1.00
11265.00	+42.3PK	+13.1	55.4	83.0	-27.6	150 1.00
13142.50	+43.4PK	+15.8	59.2	83.0	-23.8	150 1.00
15020.00	+41.7PK	+18.6	60.3	83.0	-22.7	180 1.00
16897.50	+42.5PK	+21.4	63.9	83.0	-19.1	150 1.00

Changed to the microwave horn antenna

18775.00	+43.2PK	+23.0	66.2	83.0	-16.8	145 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 11:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3785.00	+42.1PK	+0.9	43.0	83.0	-40.0	125 1.00
5677.50	+41.3PK	+6.8	48.1	83.0	-34.9	150 1.00
7570.00	+37.9PK	+8.1	46.0	83.0	-37.0	165 1.00
9462.50	+39.0PK	+10.6	49.6	83.0	-33.4	170 1.00
11355.00	+38.3PK	+13.2	51.5	83.0	-31.5	155 1.00
13257.50	+38.3PK	+16.0	54.3	83.0	-28.7	120 1.00
15140.00	+39.5PK	+18.8	58.3	83.0	-24.7	150 1.00
17032.50	+38.6PK	+21.6	60.2	83.0	-22.8	150 1.00

Changed to the microwave horn antenna

18925.00	+38.0PK	+23.0	61.0	83.0	-22.0	125 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3785.00	+41.5PK	+0.9	42.4	83.0	-40.6	210 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 11:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
5677.50	+41.5PK	+6.8	48.3	83.0	-34.7	190 1.00
7570.00	+39.4PK	+8.1	47.5	83.0	-35.5	200 1.00
9462.50	+37.8PK	+10.6	48.4	83.0	-34.6	180 1.00
11355.00	+38.5PK	+13.2	51.7	83.0	-31.3	180 1.00
13247.50	+38.3PK	+15.9	54.2	83.0	-28.8	185 1.00
15140.00	+38.0PK	+18.8	56.8	83.0	-26.2	190 1.00
17032.50	+38.4PK	+21.6	60.0	83.0	-23.0	175 1.00
Changed to the microwave horn antenna						
18925.00	+38.0PK	+23.0	61.0	83.0	-22.0	170 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 11:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3945.00	+51.8PK	+1.3	53.1	83.0	-29.9	210 1.00
5917.50	+77.9PK	+7.8	85.7	83.0	2.7	200 1.00
5917.50	+70.2VA	+7.8	78.0	83.0	-5.0	200 1.00
7890.00	+64.0PK	+8.5	72.5	83.0	-10.5	160 1.00
9862.50	+53.9PK	+11.2	65.1	83.0	-17.9	170 1.00
11835.00	+54.9PK	+13.9	68.8	83.0	-14.2	245 1.00
13800.00	+44.9PK	+16.8	61.7	83.0	-21.3	190 1.00
15780.00	+41.7PK	+19.7	61.4	83.0	-21.6	200 1.00

Changed to the microwave horn antenna

19725.00	+39.8PK	+23.0	62.8	83.0	-20.2	180 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3945.00	+47.2PK	+1.3	48.5	83.0	-34.5	200 1.00
5917.50	+70.0PK	+7.8	77.8	83.0	-5.2	210 1.00
7890.00	+51.9PK	+8.5	60.4	83.0	-22.6	220 1.00
9862.50	+52.7PK	+11.2	63.9	83.0	-19.1	330 1.00
11835.00	+46.7PK	+13.9	60.6	83.0	-22.4	270 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / GSM F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego .TEST SITE 2
DATE: September 29 1999

TIME: 11:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13807.50	+42.8PK	+16.8	59.6	83.0	-23.4	180 1.00
15780.00	+41.2PK	+19.7	60.9	83.0	-22.1	210 1.00
17752.50	+40.8PK	+22.6	63.4	83.0	-19.6	195 1.00

Changed to the microwave horn antenna

19725.00	+41.2PK	+23.0	64.2	83.0	-18.8	180 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 11:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL	ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.							
3715.00	+47.0PK	+0.7	47.7	83.0	-35.3	200	1.00
5572.50	+46.6PK	+6.3	52.9	83.0	-30.1	210	1.00
7430.00	+44.7PK	+7.9	52.6	83.0	-30.4	160	1.00
9287.50	+43.4PK	+10.4	53.8	83.0	-29.2	175	1.00
11145.00	+45.3PK	+12.9	58.2	83.0	-24.8	180	1.00
13002.50	+44.8PK	+15.6	60.4	83.0	-22.6	200	1.00
14860.00	+45.0PK	+18.3	63.3	83.0	-19.7	220	1.00
16717.50	+46.0PK	+21.1	67.1	83.0	-15.9	180	1.00

Changed to the microwave horn antenna

18575.00	+44.0PK	+23.0	67.0	83.0	-16.0	145	1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.							
3715.00	+46.3PK	+0.7	47.0	83.0	-36.0	90	1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 11:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
5572.50	+47.4PK	+6.3	53.7	83.0	-29.3	180 1.00
7430.00	+44.2PK	+7.9	52.1	83.0	-30.9	200 1.00
9287.50	+43.9PK	+10.4	54.3	83.0	-28.7	150 1.00
11145.00	+45.9PK	+12.9	58.8	83.0	-24.2	140 1.00
13002.50	+44.4PK	+15.6	60.0	83.0	-23.0	160 1.00
14860.00	+44.4PK	+18.3	62.7	83.0	-20.3	175 1.00
16717.50	+45.1PK	+21.1	66.2	83.0	-16.8	45 1.00

Changed to the microwave horn antenna

18775.00	+44.3PK	+23.0	67.3	83.0	-15.7	180 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:00pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
3875.00	+46.6PK	+1.1	47.7	83.0	-35.3	200 1.00
5812.50	+67.0PK	+7.4	74.4	83.0	-8.6	220 1.00
7750.00	+62.8PK	+9.3	71.1	83.0	-11.9	190 1.00
9687.50	+49.8PK	+11.0	60.8	83.0	-22.2	200 1.00
11625.00	+48.3PK	+13.6	61.9	83.0	-21.1	180 1.00
13562.50	+37.3PK	+16.4	53.7	83.0	-29.3	170 1.00
15500.00	+37.7PK	+19.3	57.0	83.0	-26.0	160 1.00
17437.50	+41.1PK	+22.2	63.3	83.0	-19.7	165 1.00

Changed to the microwave horn antenna

19375.00	+39.4PK	+23.0	62.4	83.0	-20.6	170 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3875.00	+46.3PK	+1.1	47.4	83.0	-35.6	200 1.00
5812.50	+65.9PK	+7.4	73.3	83.0	-9.7	210 1.00
7750.00	+54.6PK	+8.3	62.9	83.0	-20.1	190 1.00
9687.50	+44.3PK	+11.0	55.3	83.0	-27.7	185 1.00
11625.00	+48.7PK	+13.6	62.3	83.0	-20.7	200 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:00pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13562.50	+39.8PK	+16.4	56.2	83.0	-26.8	195 1.00
15500.00	+38.4PK	+19.3	57.7	83.0	-25.3	200 1.00
17437.50	+41.9PK	+22.2	64.1	83.0	-18.9	165 1.00

Changed to the microwave horn antenna

19375.00	+39.0PK	+23.0	62.0	83.0	-21.0	170 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:15pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
----	---	----	----	-----	-----	---
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3755.00	+39.6PK	+0.8	40.4	83.0	-42.6	170 1.00
5632.50	+40.8PK	+6.6	47.4	83.0	-35.6	180 1.00
7510.00	+38.1PK	+8.0	46.1	83.0	-36.9	220 1.00
9387.50	+37.1PK	+10.5	47.6	83.0	-35.4	180 1.00
11265.00	+36.8PK	+13.1	49.9	83.0	-33.1	175 1.00
13142.50	+36.7PK	+15.8	52.5	83.0	-30.5	160 1.00
15020.00	+37.6PK	+18.6	56.2	83.0	-26.8	210 1.00
16897.50	+38.3PK	+21.4	59.7	83.0	-23.3	180 1.00

Changed to the microwave horn antenna

18775.00	+37.6PK	+23.0	60.6	83.0	-22.4	200 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
----	---	----	----	-----	-----	---
3755.00	+39.7PK	+0.8	40.5	83.0	-42.5	220 1.00
5632.50	+41.9PK	+6.6	48.5	83.0	-34.5	200 1.00
7510.00	+37.1PK	+8.0	45.1	83.0	-37.9	320 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:15pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
----	----	----	----	-----	-----	----
9387.50	+37.4PK	+10.5	47.9	83.0	-35.1	270 1.00
11265.00	+38.0PK	+13.1	51.1	83.0	-31.9	285 1.00
13142.50	+37.4PK	+15.8	53.2	83.0	-29.8	210 1.00
15020.00	+37.9PK	+18.6	56.5	83.0	-26.5	230 1.00
16897.50	+38.0PK	+21.4	59.4	83.0	-23.6	160 1.00

Changed to the microwave horn antenna

18775.00	+37.4PK	+23.0	60.4	83.0	-22.6	185 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 °C Humidity: 23 %RH
EUT Room Temp: 72 °C Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dB uV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3915.00	+48.8PK	+1.2	50.0	83.0	-33.0	160 1.00
5872.50	+60.4PK	+7.6	68.0	83.0	-15.0	165 1.00
7830.00	+53.7PK	+8.4	62.1	83.0	-20.9	150 1.00
9787.50	+46.8PK	+11.1	57.9	83.0	-25.1	175 1.00
11740.00	+43.7PK	+13.7	57.4	83.0	-25.6	180 1.00
13702.50	+43.9PK	+16.6	60.5	83.0	-22.5	180 1.00
15660.00	+42.6PK	+19.5	62.1	83.0	-20.9	200 1.00
17617.50	+42.6PK	+22.4	65.0	83.0	-18.0	155 1.00

Changed to the microwave horn antenna

19575.00	+42.8PK	+23.0	65.0	83.0	-17.2	160 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3915.00	+50.2PK	+1.2	51.4	83.0	-31.6	200 1.00
5872.50	+68.2PK	+7.6	75.8	83.0	-7.2	210 1.00
7830.00	+50.5PK	+8.4	5	83.0	-24.1	160 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
9787.50	+44.0PK	+11.1	55.1	83.0	-27.9	180 1.00
11745.00	+43.3PK	+13.7	57.0	83.0	-26.0	175 1.00
13702.50	+42.9PK	+16.6	59.5	83.0	-23.5	160 1.00
15660.00	+42.0PK	+19.5	61.5	83.0	-21.5	200 1.00
17617.50	+43.1PK	+22.4	65.5	83.0	-17.5	210 1.00

Changed to the microwave horn antenna

19575.00	+42.6PK	+23.0	65.6	83.0	-17.4	200 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 8:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL	ANT
3785.00	+44.3PK	+0.9	45.2	83.0	-37.8	150	1.00
5677.50	+42.7PK	+6.8	49.5	83.0	-33.5	165	1.00
7570.00	+38.4PK	+8.1	46.5	83.0	-36.5	150	1.00
9462.50	+37.7PK	+10.6	48.3	83.0	-34.7	185	1.00
11355.00	+38.3PK	+13.2	51.5	83.0	-31.5	140	1.00
13247.50	+37.9PK	+15.9	53.8	83.0	-29.2	140	1.00
15140.00	+39.0PK	+18.8	57.8	83.0	-25.2	160	1.00
17032.50	+38.4PK	+21.6	60.0	83.0	-23.0	150	1.00

Changed to the microwave horn antenna

18925.00	+38.0PK	+23.0	61.0	83.0	-22.0	175	1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3785.00	+40.4PK	+0.9	41.3	83.0	-41.7	125	1.00
5677.50	+42.0PK	+6.8	48.8	83.0	-34.2	110	1.00
7570.00	+41.0PK	+8.1	49.1	83.0	-33.9	120	1.00
9462.50	+37.7PK	+10.6	48.3	83.0	-34.7	140	1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 8:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
11355.00	+39.0PK	+13.2	52.2	83.0	-30.8	130 1.00
13247.50	+38.4PK	+15.9	54.3	83.0	-28.7	120 1.00
15140.00	+37.6PK	+18.8	56.4	83.0	-26.6	150 1.00
17032.50	+38.0PK	+21.6	59.6	83.0	-23.4	155 1.00

Changed to the microwave horn antenna

18925.00	+39.6PK	+23.0	62.6	83.0	-20.4	150 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 8:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL	ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.							
3945.00	+51.8PK	+1.3	53.1	83.0	-29.9	210	1.00
5917.50	+77.9PK	+7.8	85.7	83.0	2.7	200	1.00
5917.50	+70.2VA	+7.8	78.0	83.0	-5.0	200	1.00
7890.00	+64.0PK	+8.5	72.5	83.0	-10.5	160	1.00
9862.50	+53.9PK	+11.2	65.1	83.0	-17.9	175	1.00
11835.00	+54.9PK	+13.9	68.8	83.0	-14.2	245	1.00
13807.50	+44.9PK	+16.8	61.7	83.0	-21.3	190	1.00
15780.00	+41.7PK	+19.7	61.4	83.0	-21.6	200	1.00
17752.50	+39.8PK	+22.6	62.4	83.0	-20.6	180	1.00

Changed to the microwave horn antenna

19725.00	+40.0PK	+23.0	63.0	83.0	-20.0	175	1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.							
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL	ANT
3945.00	+47.2PK	+1.3	48.5	83.0	-34.5	200	1.00
5917.50	+70.0PK	+7.8	77.8	83.0	-5.2	210	1.00
7890.00	+51.9PK	+8.5	60.4	83.0	-22.6	220	1.00
9862.50	+52.7PK	+11.2	63.9	83.0	-19.1	330	1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / TDMA F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 8:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
11835.00	+46.7PK	+13.9	60.6	83.0	-22.4	270 1.00
13807.50	+42.8PK	+16.8	59.6	83.0	-23.4	180 1.00
15780.00	+41.2PK	+19.7	60.9	83.0	-22.1	210 1.00
17752.50	+40.8PK	+22.6	63.4	83.0	-19.6	195 1.00

Changed to the microwave horn antenna

19725.00	+41.2PK	+23.0	64.2	83.0	-18.8	180 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 9:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TEL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3715.00	+47.8PK	+0.7	48.5	83.0	-34.5	180 1.00
5572.50	+46.9PK	+6.3	53.2	83.0	-29.8	210 1.00
7430.00	+45.0PK	+7.9	52.9	83.0	-30.1	195 1.00
9285.50	+44.2PK	+10.4	54.6	83.0	-28.4	200 1.00
11145.00	+45.0PK	+12.9	57.9	83.0	-25.1	200 1.00
13002.50	+43.7PK	+15.6	59.3	83.0	-23.7	205 1.00
14860.00	+44.1PK	+18.3	62.4	83.0	-20.6	230 1.00
16717.50	+43.2PK	+21.1	64.3	83.0	-18.7	230 1.00

Changed to the microwave horn antenna

18575.00	+43.0PK	+23.0	66.0	83.0	-17.0	215 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3715.00	+47.8PK	+0.7	48.5	83.0	-34.5	185 1.00
5572.00	+46.0PK	+6.3	52.3	83.0	-30.7	185 1.00
7430.00	+45.0PK	+7.9	52.9	83.0	-30.1	195 1.00
9287.50	+45.7PK	+10.4	56.1	83.0	-26.9	210 1.00
11145.00	+44.3PK	+12.9	57.2	83.0	-25.8	210 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 9:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13005.00	+43.8PK	+15.6	59.4	83.0	-23.6	210 1.00
14860.00	+44.0PK	+18.3	62.3	83.0	-20.7	220 1.00
16717.50	+43.4PK	+21.1	64.5	83.0	-18.5	200 1.00

Changed to the microwave horn antenna

18575.00	+43.0PK	+23.0	66.0	83.0	-17.0	210 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 9:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3875.00	+47.6PK	+1.1	48.7	83.0	-34.3	190 1.00
5712.50	+46.0PK	+6.9	52.9	83.0	-30.1	190 1.00
7750.00	+44.8PK	+8.3	53.1	83.0	-29.9	130 1.00
9687.50	+44.0PK	+11.0	55.0	83.0	-28.0	210 1.00
11625.00	+44.0PK	+13.6	57.6	83.0	-25.4	235 1.00
13562.50	+43.8PK	+16.4	60.2	83.0	-22.8	225 1.00
15500.00	+42.9PK	+19.3	62.2	83.0	-20.8	230 1.00
17437.50	+44.7PK	+22.2	66.9	83.0	-16.1	230 1.00

Changed to the microwave horn antenna

19375.00	+43.6PK	+23.0	66.6	83.0	-16.4	220 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3875.00	+47.3PK	+1.1	48.4	83.0	-34.6	285 1.00
5812.50	+46.3PK	+7.4	53.7	83.0	-29.3	260 1.00
7750.00	+45.5PK	+8.3	53.8	83.0	-29.2	260 1.00
9687.50	+44.7PK	+11.0	55.7	83.0	-27.3	265 1.00
11625.00	+44.0PK	+13.6	57.6	83.0	-25.4	255 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 9:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13562.50	+42.9PK	+16.4	59.3	83.0	-23.7	270 1.00
15500.00	+43.4PK	+19.3	62.7	83.0	-20.3	265 1.00
17437.50	+44.3PK	+22.2	66.5	83.0	-16.5	255 1.00

Changed to the microwave horn antenna

19375.00	+43.5PK	+23.0	66.5	83.0	-16.5	260 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 9:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3755.00	+45.6PK	+0.8	46.4	83.0	-36.6	85 1.00
5632.50	+47.0PK	+6.6	53.6	83.0	-29.4	100 1.00
7510.00	+45.1PK	+8.0	53.1	83.0	-29.9	90 1.00
9387.50	+40.2PK	+10.5	50.7	83.0	-32.3	105 1.00
11265.00	+44.0PK	+13.1	57.1	83.0	-25.9	110 1.00
13142.50	+44.2PK	+15.8	60.0	83.0	-23.0	100 1.00
15020.00	+43.8PK	+18.6	62.4	83.0	-20.6	100 1.00
16897.50	+44.7PK	+21.4	66.1	83.0	-16.9	110 1.00

Changed to the microwave horn antenna

18775.00	+43.0PK	+23.0	66.0	83.0	-17.0	105 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3755.00	+44.2PK	+0.8	45.0	83.0	-38.0	115 1.00
5632.50	+47.1PK	+6.6	53.7	83.0	-29.3	110 1.00
7510.00	+45.8PK	+8.0	53.8	83.0	-29.2	110 1.00
9387.50	+41.5PK	+10.5	52.0	83.0	-31.0	110 1.00
11265.00	+44.3PK	+13.1	57.4	83.0	-25.6	135 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 10:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3945.00	+49.5PK	+1.3	50.8	83.0	-32.2	85 1.00
5917.50	+69.2PK	+7.8	77.0	83.0	-6.0	85 1.00
7890.00	+50.6PK	+8.5	59.1	83.0	-23.9	100 1.00
9862.50	+46.7PK	+11.2	57.9	83.0	-25.1	90 1.00
11835.00	+45.2PK	+13.9	59.1	83.0	-23.9	90 1.00
13807.50	+44.3PK	+16.8	61.0	83.0	-22.0	95 1.00
15780.00	+44.0PK	+19.7	63.7	83.0	-19.3	110 1.00
17752.50	+44.0PK	+22.6	66.6	83.0	-16.4	100 1.00

Changed to the microwave horn antenna

19725.00	+43.0PK	+23.0	66.0	83.0	-17.0	110 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3945.00	+48.9PK	+1.3	50.2	83.0	-32.8	125 1.00
5917.50	+60.4PK	+7.8	68.2	83.0	-14.8	130 1.00
7890.00	+45.0PK	+8.5	53.5	83.0	-29.5	155 1.00
9862.50	+45.7PK	+11.2	56.9	83.0	-26.1	150 1.00
11835.00	+44.9PK	+13.9	58.8	83.0	-24.2	150 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 9:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
7830.00	+45.7PK	+8.4	54.1	83.0	-28.9	190 1.00
9787.50	+45.8PK	+11.1	56.9	83.0	-26.1	205 1.00
11745.00	+44.8PK	+13.7	58.5	83.0	-24.5	210 1.00
13702.50	+43.6PK	+16.6	60.3	83.0	-22.7	200 1.00
15660.00	+43.6PK	+19.5	63.2	83.0	-19.8	200 1.00
17617.50	+44.6PK	+22.4	67.0	83.0	-16.0	200 1.00

Changed to the microwave horn antenna

19575.00	+43.8PK	+23.0	66.8	83.0	-16.2	200 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 10:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3785.00	+41.8PK	+0.9	42.7	83.0	-40.3	245 1.00
5677.50	+41.7PK	+6.8	48.5	83.0	-34.5	250 1.00
7570.00	+41.6PK	+8.1	49.7	83.0	-33.3	250 1.00
9462.50	+40.8PK	+10.6	51.4	83.0	-31.6	255 1.00
11355.00	+38.7PK	+13.2	51.9	83.0	-31.1	255 1.00
13247.50	+36.5PK	+15.9	52.4	83.0	-30.6	240 1.00
15140.00	+36.5PK	+18.8	55.3	83.0	-27.7	245 1.00
17032.50	+38.3PK	+21.6	59.8	83.0	-23.2	240 1.00

Changed to the microwave horn antenna

18925.00	+38.0PK	+23.0	61.0	83.0	-22.0	240 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
3785.00	+42.0PK	+0.9	42.9	83.0	-40.1	210 1.00
5677.50	+41.8PK	+6.8	48.6	83.0	-34.4	235 1.00
7570.00	+42.0PK	+8.1	50.1	83.0	-32.9	215 1.00
9462.50	+41.2PK	+10.6	51.9	83.0	-31.1	210 1.00
11355.00	+39.6PK	+13.2	52.8	83.0	-30.2	215 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 10:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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13247.50	+37.8PK	+15.9	53.7	83.0	-29.3	210 1.00
15140.00	+38.0PK	+18.8	56.8	83.0	-26.2	225 1.00
17032.50	+38.7PK	+21.6	60.3	83.0	-22.7	225 1.00

Changed to the microwave horn antenna

18925.00	+37.6PK	+23.0	60.6	83.0	-22.4	220 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 10:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3945.00	+49.5PK	+1.3	50.8	83.0	-32.2	85 1.00
5917.50	+69.2PK	+7.8	77.0	83.0	-6.0	85 1.00
7890.00	+50.6PK	+8.5	59.1	83.0	-23.9	100 1.00
9862.50	+46.7PK	+11.2	57.9	83.0	-25.1	90 1.00
11835.00	+45.2PK	+13.9	59.1	83.0	-23.9	90 1.00
13807.50	+44.3PK	+16.8	61.0	83.0	-22.0	95 1.00
15780.00	+44.0PK	+19.7	63.7	83.0	-19.3	110 1.00
17752.50	+44.0PK	+22.6	66.6	83.0	-16.4	100 1.00

Changed to the microwave horn antenna

19725.00	+43.0PK	+23.0	66.0	83.0	-17.0	110 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3945.00	+48.9PK	+1.3	50.2	83.0	-32.8	125 1.00
5917.50	+60.4PK	+7.8	68.2	83.0	-14.8	130 1.00
7890.00	+45.0PK	+8.5	53.5	83.0	-29.5	155 1.00
9862.50	+45.7PK	+11.2	56.9	83.0	-26.1	150 1.00
11835.00	+44.9PK	+13.9	58.8	83.0	-24.2	150 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / TDMA F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 10:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL	ANT
13807.50	+44.7PK	+16.8	61.5	83.0	-21.5	160	1.00
15780.00	+44.8PK	+19.7	64.5	83.0	-18.5	165	1.00
17752.50	+43.7PK	+22.6	66.3	83.0	-16.7	160	1.00

Changed to the microwave horn antenna

19725.00	+44.3PK	+23.0	67.3	83.0	-15.7	170	1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 10:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3715.00	+40.6PK	+0.7	41.3	83.0	-41.7	160 1.00
5572.50	+41.2PK	+6.3	47.5	83.0	-35.5	150 1.00
7430.00	+37.2PK	+7.9	45.1	83.0	-37.9	155 1.00
9287.50	+37.8PK	+10.4	48.2	83.0	-34.8	155 1.00
11145.00	+40.1PK	+12.9	53.0	83.0	-30.0	200 1.00
13002.50	+38.0PK	+15.6	53.6	83.0	-29.4	210 1.00
14860.00	+38.7PK	+18.3	57.0	83.0	-26.0	160 1.00
16717.50	+39.4PK	+21.1	60.5	83.0	-22.5	175 1.00

Changed to the microwave horn antenna

18575.00	+38.8PK	+23.0	61.8	83.0	-21.2	170 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3715.00	+40.1PK	+0.7	40.8	83.0	-42.2	45 1.00
5572.50	+42.1PK	+6.3	48.4	83.0	-34.6	35 1.00
7430.00	+37.7PK	+7.9	45.6	83.0	-37.4	45 1.00
9287.50	+38.3PK	+10.4	48.7	83.0	-34.3	45 1.00
11145.00	+40.5PK	+12.9	53.4	83.0	-29.6	70 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 10:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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13002.50	+38.2PK	+15.6	53.8	83.0	-29.2	100 1.00
14860.00	+38.8PK	+18.3	57.1	83.0	-25.9	130 1.00
16717.50	+39.4PK	+21.1	60.5	83.0	-22.5	125 1.00

Changed to the microwave horn antenna

18575.00	+37.8PK	+23.0	60.8	83.0	-22.2	130 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 10:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3875.00	+40.6PK	+1.1	41.7	83.0	-41.3	160 1.00
5812.50	+52.4PK	+7.4	59.8	83.0	-23.2	75 1.00
7750.00	+49.6PK	+8.3	57.9	83.0	-25.1	80 1.00
9687.50	+41.0PK	+11.0	52.0	83.0	-31.0	180 1.00
11625.00	+39.6PK	+13.6	53.2	83.0	-29.8	200 1.00
13562.50	+37.1PK	+16.4	53.5	83.0	-29.5	220 1.00
15500.00	+38.2PK	+19.3	57.5	83.0	-25.5	270 1.00
17437.50	+42.3PK	+22.2	64.5	83.0	-18.5	300 1.00

Changed to the microwave horn antenna

19375.00	+39.7PK	+23.0	62.7	83.0	-20.3	315 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3875.00	+41.3PK	+1.1	42.4	83.0	-40.6	325 1.00
5812.50	+50.0PK	+7.4	57.4	83.0	-25.6	180 1.00
7750.00	+41.3PK	+8.3	49.6	83.0	-33.4	270 1.00
9687.50	+40.1PK	+11.0	51.1	83.0	-31.9	360 1.00
11625.00	+38.8PK	+13.6	52.4	83.0	-30.6	300 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 10:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13562.50	+37.3PK	+16.4	53.7	83.0	-29.3	230 1.00
15500.00	+39.5PK	+19.3	58.8	83.0	-24.2	95 1.00
17437.50	+42.0PK	+22.2	64.2	83.0	-18.8	160 1.00

Changed to the microwave horn antenna

19375.00	+39.3PK	+23.0	62.3	83.0	-20.7	180 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 11:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3755.00	+40.0PK	+0.8	40.8	83.0	-42.2	110 1.00
5632.50	+40.5PK	+6.6	47.1	83.0	-35.9	200 1.00
7510.00	+38.3PK	+8.0	46.3	83.0	-36.7	160 1.00
9387.50	+36.3PK	+10.5	46.8	83.0	-36.2	185 1.00
11265.00	+36.8PK	+13.1	49.9	83.0	-33.1	170 1.00
13142.50	+35.8PK	+15.8	51.6	83.0	-31.4	150 1.00
15020.00	+37.3PK	+18.6	55.9	83.0	-27.1	200 1.00
16897.50	+39.0PK	+21.4	60.4	83.0	-22.6	210 1.00

Changed to the microwave horn antenna

18775.00	+37.1PK	+23.0	60.1	83.0	-22.9	245 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3755.00	+39.3PK	+0.8	40.1	83.0	-42.9	230 1.00
5632.50	+40.3PK	+6.6	46.9	83.0	-36.1	200 1.00
7510.00	+37.8PK	+8.0	45.8	83.0	-37.2	280 1.00
9387.50	+36.8PK	+10.5	47.3	83.0	-35.7	275 1.00
11265.00	+37.1PK	+13.1	50.2	83.0	-32.8	280 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 11:00am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13142.50	+36.4PK	+15.8	52.2	83.0	-30.8	0 1.00
15020.00	+37.0PK	+18.6	55.6	83.0	-27.4	360 1.00
16897.50	+37.0PK	+21.4	58.4	83.0	-24.6	240 1.00

Changed to the microwave horn antenna

18775.00	+36.5PK	+23.0	59.5	83.0	-23.5	200 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 11:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3915.00	+51.3PK	+1.2	52.5	83.0	-30.5	220 1.00
5872.50	+71.4PK	+7.6	79.0	83.0	-4.0	200 1.00
7830.00	+47.3PK	+8.4	55.7	83.0	-27.3	180 1.00
9787.50	+45.4PK	+11.1	56.5	83.0	-26.5	160 1.00
11745.00	+43.7PK	+13.7	57.4	83.0	-25.6	100 1.00
13702.50	+42.6PK	+16.6	59.2	83.0	-23.8	210 1.00
1660.00	+39.3PK	-5.9	33.4	83.0	-49.6	210 1.00
17617.50	+39.2PK	+22.4	61.6	83.0	-21.4	180 1.00

Changed to themicrowave horn antenna

19575.00	+38.6PK	+23.0	61.6	83.0	-21.4	150 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3915.00	+43.9PK	+1.2	45.1	83.0	-37.9	200 1.00
5872.50	+65.4PK	+7.6	73.0	83.0	-10.0	220 1.00
7830.00	+48.3PK	+8.4	56.7	83.0	-26.3	200 1.00
9787.50	+44.2PK	+11.1	55.3	83.0	-27.7	190 1.00
11745.00	+45.5PK	+13.7	59.2	83.0	-23.8	180 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 11:15am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13702.50	+40.2PK	+16.6	56.8	83.0	-26.2	200 1.00
15660.00	+38.2PK	+19.5	57.7	83.0	-25.3	230 1.00
17617.50	+37.6PK	+22.4	60.0	83.0	-23.0	245 1.00

Changed to the microwave horn antenna

19575.00	+37.0PK	+23.0	60.0	83.0	-23.0	260 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 11:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3785.00	+41.6PK	+0.9	42.5	83.0	-40.5	125 1.00
5677.50	+42.3PK	+6.8	49.1	83.0	-33.9	150 1.00
7570.00	+37.9PK	+8.1	46.0	83.0	-37.0	155 1.00
9462.50	+39.6PK	+10.6	50.2	83.0	-32.8	155 1.00
11355.00	+38.8PK	+13.2	52.0	83.0	-31.0	140 1.00
13247.50	+38.4PK	+15.9	54.3	83.0	-28.7	160 1.00
15140.00	+40.6PK	+18.8	59.4	83.0	-23.6	155 1.00
17032.50	+39.6PK	+21.6	61.2	83.0	-21.8	175 1.00

Changed to the microwave horn antenna

18925.00	+39.2PK	+23.0	62.2	83.0	-20.8	165 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3785.00	+41.9PK	+0.9	42.8	83.0	-40.2	100 1.00
5677.50	+42.2PK	+6.8	49.0	83.0	-34.0	115 1.00
7570.00	+39.2PK	+8.1	47.3	83.0	-35.7	145 1.00
9462.50	+37.9PK	+10.6	48.5	83.0	-34.5	120 1.00
11355.00	+39.7PK	+13.2	52.9	83.0	-30.1	160 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 11:30am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13247.50	+39.4PK	+15.9	55.3	83.0	-27.7	155 1.00
15140.00	+38.5PK	+18.8	57.3	83.0	-25.7	155 1.00
17032.50	+39.5PK	+21.6	61.1	83.0	-21.9	150 1.00

Changed to the microwave horn antenna

18925.00	+39.1PK	+23.0	62.1	83.0	-20.9	175 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 11:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3945.00	+47.3PK	+1.3	48.6	83.0	-34.4	210 1.00
5917.50	+68.9PK	+7.8	76.7	83.0	-6.3	200 1.00
7890.00	+52.7PK	+8.5	61.2	83.0	-21.8	230 1.00
9862.50	+42.1PK	+11.2	53.3	83.0	-29.7	200 1.00
11835.00	+40.1PK	+13.9	54.0	83.0	-29.0	200 1.00
13807.50	+40.6PK	+16.8	57.4	83.0	-25.6	195 1.00
15780.00	+39.9PK	+19.7	59.6	83.0	-23.4	180 1.00
17752.50	+40.2PK	+22.6	62.8	83.0	-20.2	200 1.00

Changed to the microwave horn antenna

19725.00	+39.0PK	+23.0	62.0	83.0	-21.0	180 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
3945.00	+45.8PK	+1.3	47.1	83.0	-35.9	100 1.00
5917.50	+68.3PK	+7.8	76.1	83.0	-6.9	130 1.00
7890.00	+46.4PK	+8.5	54.9	83.0	-28.1	100 1.00
9862.50	+42.5PK	+11.2	53.7	83.0	-29.3	90 1.00
11835.00	+40.7PK	+13.9	54.6	83.0	-28.4	85 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / CDMA F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 11:45am Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13807.50	+39.8PK	+16.8	56.6	83.0	-26.4	175 1.00
15780.00	+39.8PK	+19.7	59.5	83.0	-23.5	160 1.00
17752.50	+39.4PK	+22.6	62.0	83.0	-21.0	150 1.00

Changed to the microwave horn antenna

19725.00	+39.2PK	+23.0	62.2	83.0	-20.8	180 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 12:00pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3715.00	+45.5PK	+0.7	46.2	83.0	-36.8	220 1.00
5572.50	+45.6PK	+6.3	51.9	83.0	-31.1	200 1.00
7430.00	+45.1PK	+7.9	53.0	83.0	-30.0	200 1.00
9287.50	+44.6PK	+10.4	55.0	83.0	-28.0	205 1.00
11145.00	+43.7PK	+12.9	56.6	83.0	-26.4	230 1.00
13002.50	+45.6PK	+15.6	61.2	83.0	-21.8	230 1.00
14860.00	+44.8PK	+18.3	63.1	83.0	-19.9	225 1.00
16717.50	+43.8PK	+21.1	64.9	83.0	-18.1	230 1.00

Changed to the microwave horn antenna

18575.00	+43.2PK	+23.0	66.2	83.0	-16.2	250 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3715.00	+46.0PK	+0.7	46.7	83.0	-36.3	230 1.00
5572.50	+45.4PK	+6.3	51.7	83.0	-31.3	210 1.00
7430.00	+45.0PK	+7.9	52.9	83.0	-30.1	215 1.00
9287.50	+44.6PK	+10.4	55.0	83.0	-28.0	230 1.00
11145.00	+43.7PK	+12.9	56.6	83.0	-26.4	245 1.00
13002.50	+45.6PK	+15.6	61.1	83.0	-21.9	245 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 12:00pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHZ 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
14860.00	+44.5PK	+18.3	62.8	83.0	-20.2	260 1.00
16717.50	+43.9PK	+21.1	64.9	83.0	-18.1	250 1.00

Changed to the microwave horn antenna

18575.00	+43.0PK	+23.0	66.0	83.0	-17.0	230 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 12:15pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3875.00	+46.1PK	+1.1	47.2	83.0	-35.8	35 1.00
5812.50	+67.1PK	+7.4	74.5	83.0	-8.5	55 1.00
7750.00	+53.6PK	+8.3	61.9	83.0	-21.1	65 1.00
9687.50	+48.1PK	+11.0	59.1	83.0	-23.9	60 1.00
11625.00	+47.2PK	+13.6	60.8	83.0	-22.2	60 1.00
13562.50	+44.7PK	+16.4	61.1	83.0	-21.9	70 1.00
15500.00	+43.6PK	+19.3	62.9	83.0	-20.1	65 1.00
17437.50	+45.0PK	+22.2	67.2	83.0	-15.8	85 1.00

Changed to the microwave horn antenna

19375.00	+44.7PK	+23.0	67.7	83.0	-15.3	55 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3875.00	+45.5PK	+1.1	46.6	83.0	-36.4	100 1.00
5812.50	+62.0PK	+7.4	69.4	83.0	-13.6	85 1.00
7750.00	+52.8PK	+8.3	61.1	83.0	-21.9	105 1.00
9687.50	+46.4PK	+11.0	57.4	83.0	-25.6	110 1.00
11625.00	+46.6PK	+13.6	60.2	83.0	-22.8	120 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 12:15pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13562.50	+44.9PK	+16.4	61.3	83.0	-21.7	135 1.00
15500.00	+43.7PK	+19.3	63.0	83.0	-20.0	125 1.00
17437.50	+45.1PK	+22.2	67.3	83.0	-15.7	125 1.00

Changed to the microwave horn antenna

19375.00	+43.5PK	+23.0	66.5	83.0	-16.5	130 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3755.00	+45.8PK	+0.8	46.6	83.0	-36.4	230 1.00
5632.50	+46.0PK	+6.6	52.6	83.0	-30.4	210 1.00
7510.00	+45.1PK	+8.0	53.1	83.0	-29.9	210 1.00
9387.50	+44.8PK	+10.5	55.3	83.0	-27.7	210 1.00
11265.00	+44.2PK	+13.1	57.3	83.0	-25.7	215 1.00
13142.50	+43.7PK	+15.8	59.5	83.0	-23.5	210 1.00
15020.00	+43.0PK	+18.6	61.6	83.0	-21.4	215 1.00
16897.50	+44.2PK	+21.4	65.6	83.0	-17.4	230 1.00

Changed to the microwave horn antenna

18775.00	+44.0PK	+23.0	67.0	83.0	-16.0	210 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3755.00	+45.5PK	+0.8	46.3	83.0	-36.7	210 1.00
5635.50	+46.6PK	+6.6	53.2	83.0	-29.8	230 1.00
7510.00	+45.0PK	+8.0	53.0	83.0	-30.0	200 1.00
9387.50	+43.6PK	+10.5	54.2	83.0	-28.8	190 1.00
11265.00	+42.7PK	+13.1	55.8	83.0	-27.2	190 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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13142.50	+42.7PK	+15.8	58.5	83.0	-24.5	195 1.00
15020.00	+43.0PK	+18.6	61.6	83.0	-21.4	210 1.00
16897.50	+44.3PK	+21.4	65.7	83.0	-17.3	210 1.00

Changed to the microwave horn antenna

18775.00	+44.0PK	+23.0	67.0	83.0	-16.0	205 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 12:45pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3915.00	+55.6PK	+1.2	56.8	83.0	-26.2	55 1.00
5872.50	+74.6PK	+7.6	82.2	83.0	-0.8	60 1.00
5872.50	+66.5VA	+7.6	74.1	83.0	-8.9	55 1.00
7830.00	+54.2PK	+8.4	62.6	83.0	-20.4	65 1.00
9787.50	+53.6PK	+11.1	64.7	83.0	-18.3	75 1.00
11745.00	+45.7PK	+13.7	59.5	83.0	-23.5	95 1.00
13702.50	+44.8PK	+16.6	61.4	83.0	-21.6	75 1.00
15660.00	+45.2PK	+19.5	64.7	83.0	-18.3	70 1.00
17617.50	+46.0PK	+22.4	68.4	83.0	-14.6	90 1.00

Changed to the microwave horn antenna

19575.00	+45.7PK	+23.0	68.7	83.0	-14.3	95 1.00
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Changed back to the 3115 horn antenna

3915.00	+54.6PK	+1.2	55.8	83.0	-27.2	85 1.00
5872.50	+65.2PK	+7.6	72.8	83.0	-10.2	85 1.00
7830.00	+53.6PK	+8.4	62.0	83.0	-21.0	85 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 12:45pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
9787.50	+51.2PK	+11.1	62.3	83.0	-20.7	85 1.00
11745.00	+45.7PK	+13.7	59.4	83.0	-23.6	90 1.00
15660.00	+44.8PK	+19.5	64.3	83.0	-18.7	55 1.00
17617.50	+45.0PK	+22.4	67.4	83.0	-15.6	90 1.00

Changed to the microwave horn antenna

19575.00	+44.3PK	+23.0	67.3	83.0	-15.7	60 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 1:00pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3785.00	+42.6PK	+0.9	43.5	83.0	-39.5	150 1.00
5677.50	+41.2PK	+6.8	48.0	83.0	-35.0	150 1.00
7570.00	+43.7PK	-8.1	51.8	83.0	-31.2	160 1.00
9462.50	+42.4PK	+10.6	53.0	83.0	-30.0	150 1.00
11355.00	+38.4PK	+13.2	51.6	83.0	-31.4	175 1.00
13247.50	+39.0PK	+15.9	54.9	83.0	-28.1	175 1.00
15140.00	+38.7PK	+18.8	57.5	83.0	-25.5	170 1.00
17032.50	+38.0PK	+21.6	59.5	83.0	-23.5	180 1.00

Changed to the microwave horn antenna

18925.00	+37.0PK	+23.0	60.0	83.0	-23.0	175 1.00
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Changed to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3785.00	+47.1PK	+0.9	48.0	83.0	-35.0	180 1.00
5677.50	+41.8PK	+6.8	48.6	83.0	-34.4	120 1.00
7570.00	+44.0PK	+8.1	52.1	83.0	-30.9	135 1.00
9462.50	+43.8PK	+10.6	54.4	83.0	-28.6	150 1.00
11355.00	+41.2PK	+13.2	54.4	83.0	-28.6	150 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 1:00pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13247.50	+41.2PK	+15.9	57.1	83.0	-25.9	150 1.00
15140.00	+38.7PK	+18.8	57.5	83.0	-25.5	160 1.00
17032.50	+37.6PK	+21.6	59.1	83.0	-23.9	165 1.00

Changed to the microwave horn antenna

18925.00	+37.4PK	+23.0	60.4	83.0	-22.6	165 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 1:00pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3945.00	+52.6PK	+1.3	53.9	83.0	-29.1	230 1.00
5917.50	+73.2PK	+7.8	81.0	83.0	-2.0	210 1.00
5917.50	+66.1VA	+7.8	73.9	83.0	-9.1	210 1.00
7890.00	+58.8PK	+8.5	67.3	83.0	-15.7	215 1.00
9862.50	+48.0PK	+11.2	59.1	83.0	-23.9	225 1.00
11835.00	+46.8PK	+13.9	60.6	83.0	-22.4	240 1.00
11835.00	+46.8PK	+13.9	60.6	83.0	-22.4	250 1.00
13807.50	+45.2PK	+16.8	62.0	83.0	-21.0	260 1.00
15780.00	+43.7PK	+19.7	63.4	83.0	-19.6	250 1.00
17752.50	+44.0PK	+22.6	66.6	83.0	-16.4	260 1.00

Changed to the microwave horn antenna

19725.00	+43.6PK	+23.0	66.6	83.0	-16.4	250 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / CDMA F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 1:00pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3945.00	+51.5PK	+1.3	52.8	83.0	-30.2	230 1.00
5917.50	+70.5PK	+7.8	78.3	83.0	-4.7	210 1.00
7890.00	+50.2PK	+8.5	58.7	83.0	-24.3	230 1.00
9862.50	+48.6PK	+11.2	59.8	83.0	-23.2	200 1.00
11835.00	+46.7PK	+13.9	60.6	83.0	-22.4	200 1.00
13807.50	+44.8PK	+16.8	61.6	83.0	-21.4	200 1.00
15780.00	+44.0PK	+19.7	63.7	83.0	-19.3	210 1.00
17752.50	+44.2PK	+22.6	66.9	83.0	-16.1	210 1.00

Changed to the microwave horn antenna

19725.00	+43.6PK	+23.0	66.6	83.0	-16.4	250 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3715.00	+41.2PK	+0.7	41.9	83.0	-41.1	200 1.00
5572.50	+41.3PK	+6.3	47.6	83.0	-35.4	210 1.00
7430.00	+37.1PK	+7.9	45.0	83.0	-38.0	150 1.00
9287.50	+36.6PK	+10.4	47.0	83.0	-36.0	65 1.00
11145.00	+38.4PK	+12.9	51.3	83.0	-31.7	170 1.00
13002.50	+38.5PK	+15.6	54.1	83.0	-28.9	180 1.00
14860.00	+37.8PK	+18.3	56.1	83.0	-26.9	210 1.00
16717.50	+37.4PK	+21.1	58.5	83.0	-24.5	200 1.00

Changed to the microwave horn antenna

18575.00	+36.8PK	+23.0	59.8	83.0	-23.2	185 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
3715.00	+40.4PK	+0.7	41.1	83.0	-41.9	200 1.00
5572.50	+41.2PK	+6.3	47.5	83.0	-35.5	45 1.00
7430.00	+37.5PK	+7.9	45.4	83.0	-37.6	60 1.00
9287.50	+36.1PK	+10.4	46.5	83.0	-36.5	85 1.00
11145.00	+38.0PK	+12.9	50.9	83.0	-32.1	110 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13002.50	+37.6PK	+15.6	53.2	83.0	-29.8	200 1.00
14860.00	+39.0PK	+18.3	57.3	83.0	-25.7	320 1.00
16717.50	+38.2PK	+21.1	59.3	83.0	-23.7	280 1.00

Changed to the microwave horn antenna

18575.00	+37.6PK	+23.0	60.6	83.0	-22.4	175 1.00
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Changed back to the 3115 horn antenna

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3875.00	+43.7PK	+1.1	44.8	83.0	-38.2	200 1.00
5812.50	+65.5PK	+7.4	72.9	83.0	-10.1	160 1.00
7750.00	+65.9PK	+8.3	74.2	83.0	-8.8	175 1.00
9687.50	+49.9PK	+11.0	60.9	83.0	-22.1	165 1.00
11625.00	+51.8PK	+13.6	65.4	83.0	-17.6	180 1.00
13562.50	+43.9PK	+16.4	60.3	83.0	-22.7	200 1.00
15500.00	+39.5PK	+19.3	58.8	83.0	-24.2	175 1.00
17437.50	+39.6PK	+22.2	61.8	83.0	-21.2	200 1.00

Changed to the microwave horn antenna

19375.00	+38.5PK	+23.0	61.5	83.0	-21.5	210 1.00
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Changed back tot he 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
3875.00	+47.7PK	+1.1	48.8	83.0	-34.2	50 1.00
5812.50	+67.7PK	+7.4	75.1	83.0	-7.9	65 1.00
7750.00	+53.1PK	+8.3	61.4	83.0	-21.6	65 1.00
9687.50	+46.4PK	+11.0	57.4	83.0	-25.6	70 1.00
11625.00	+48.7PK	+13.6	62.3	83.0	-20.7	100 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13562.50	+47.0PK	+16.4	63.4	83.0	-19.6	120 1.00
15500.00	+38.2PK	+19.3	57.5	83.0	-25.5	135 1.00
17437.50	+39.9PK	+22.2	62.1	83.0	-20.9	135 1.00

Changed to the microwave horn antenna

19375.00	+32.9PK	+23.0	55.9	83.0	-27.1	45 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3755.00	+40.8PK	+0.8	41.6	83.0	-41.4	220 1.00
5632.50	+37.2PK	+6.6	43.8	83.0	-39.2	220 1.00
7510.00	+36.0PK	+8.0	44.0	83.0	-39.0	340 1.00
9387.50	+36.2PK	+10.5	46.8	83.0	-36.2	270 1.00
11265.00	+37.9PK	+13.1	51.0	83.0	-32.0	285 1.00
13142.50	+37.3PK	+15.8	53.1	83.0	-29.9	210 1.00
15020.00	+36.5PK	+18.6	55.1	83.0	-27.9	230 1.00
16897.50	+38.0PK	+21.4	59.4	83.0	-23.6	255 1.00

Changed to the microwave horn antenna

18775.00	+37.0PK	+23.0	60.0	83.0	-23.0	260 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3755.00	+39.0PK	+0.8	39.8	83.0	-43.2	45 1.00
5632.50	+41.7PK	+6.6	48.3	83.0	-34.7	85 1.00
7510.00	+41.7PK	+8.0	49.7	83.0	-33.3	100 1.00
9387.50	+37.1PK	+10.5	47.7	83.0	-35.3	100 1.00
11265.00	+37.9PK	+13.1	51.0	83.0	-32.0	115 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13142.50	+37.0PK	+15.8	52.8	83.0	-30.2	95 1.00
15020.00	+38.4PK	+18.6	57.0	83.0	-26.0	80 1.00
16897.50	+38.9PK	+21.4	60.3	83.0	-22.7	65 1.00

Changed to the microwave horn antenna

18775.00	+37.1PK	+23.0	60.1	83.0	-22.9	100 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B.
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL	ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.							
3915.00	+56.7PK	+1.2	57.9	83.0	-25.1	180	1.00
5872.50	+72.6PK	+7.6	80.2	83.0	-2.8	185	1.00
5872.50	+65.4VA	+7.6	73.0	83.0	-10.0	180	1.00
7830.00	+65.4PK	+8.4	73.8	83.0	-9.2	210	1.00
9787.50	+59.7PK	+11.1	70.8	83.0	-12.2	200	1.00
11745.00	+54.3PK	+13.7	68.1	83.0	-14.9	200	1.00
13702.50	+50.1PK	+16.6	66.7	83.0	-16.3	205	1.00
15660.00	+44.9PK	+19.5	64.5	83.0	-18.5	245	1.00
17617.50	+45.0PK	+22.4	67.4	83.0	-15.6	280	1.00

Changed to the microwave horn antenna

19575.00	+1.0PK	+23.0	24.0	83.0	-59.0	230	1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.							
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL	ANT
3915.00	+54.7PK	+1.2	55.9	83.0	-27.1	65	1.00
5872.50	+71.7PK	+7.6	79.3	83.0	-3.7	50	1.00
7830.00	+60.1PK	+8.4	68.5	83.0	-14.5	85	1.00
9787.50	+52.6PK	+11.1	63.7	83.0	-19.3	110	1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
11745.00	+51.7PK	+13.7	65.5	83.0	-17.5	110 1.00
13702.50	+47.9PK	+16.6	64.5	83.0	-18.5	95 1.00
15660.00	+45.1PK	+19.5	64.6	83.0	-18.4	92 1.00
17617.50	+45.0PK	+22.4	67.4	83.0	-15.6	100 1.00

Changed to the microwave horn antenna

19575.00	+44.1PK	+23.0	67.1	83.0	-15.9	60 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3785.00	+41.1PK	+0.9	42.0	83.0	-41.0	200 1.00
5677.50	+41.0PK	+6.8	47.8	83.0	-35.2	165 1.00
7570.00	+38.1PK	+8.1	46.2	83.0	-36.8	80 1.00
9462.50	+38.1PK	+10.6	48.7	83.0	-34.3	125 1.00
11355.00	+38.9PK	+13.2	52.1	83.0	-30.9	110 1.00
13247.50	+38.2PK	+15.9	54.1	83.0	-28.9	110 1.00
15140.00	+39.0PK	+18.8	57.8	83.0	-25.2	95 1.00
17032.50	+39.0PK	+21.6	60.6	83.0	-22.4	100 1.00

Changed to the microwave horn antenna

18925.00	+38.3PK	+23.0	61.3	83.0	-21.7	110 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
3785.00	+41.6PK	+0.9	42.5	83.0	-40.5	35 1.00
5677.50	+43.5PK	+6.8	50.3	83.0	-32.7	80 1.00
7570.00	+39.0PK	+8.1	47.1	83.0	-35.9	85 1.00
9462.50	+38.4PK	+10.6	49.0	83.0	-34.0	50 1.00
11355.00	+39.8PK	+13.2	53.0	83.0	-30.0	100 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13247.50	+32.9PK	+15.9	48.8	83.0	-34.2	90 1.00
15140.00	+39.4PK	+18.8	58.2	83.0	-24.8	35 1.00
17032.50	+40.7PK	+21.6	62.3	83.0	-20.7	75 1.00

Changed to the microwave horn antenna

18925.00	+39.0PK	+23.0	62.0	83.0	-21.0	65 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3945.00	+44.1PK	+1.3	45.3	83.0	-37.7	160 1.00
5917.50	+47.1PK	+7.8	54.9	83.0	-28.1	160 1.00
7890.00	+44.6PK	+8.5	53.1	83.0	-29.9	155 1.00
9862.50	+41.6PK	+11.2	52.7	83.0	-30.3	180 1.00
11835.00	+40.3PK	+13.9	54.2	83.0	-28.8	170 1.00
13807.00	+39.4PK	+16.8	56.2	83.0	-26.8	180 1.00
15780.00	+39.0PK	+19.7	58.7	83.0	-24.3	160 1.00
17752.50	+39.2PK	+22.6	61.8	83.0	-21.2	155 1.00

Changed to the microwave horn antenna

19725.00	+38.7PK	+23.0	61.7	83.0	-21.3	160 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
3945.00	+44.2PK	+1.3	45.5	83.0	-37.5	20 1.00
5917.50	+48.6PK	+7.8	56.4	83.0	-26.6	35 1.00
7890.00	+42.0PK	+8.5	50.5	83.0	-32.5	100 1.00
9862.50	+40.6PK	+11.2	51.8	83.0	-31.2	160 1.00
11835.00	+39.9PK	+13.9	53.8	83.0	-29.2	150 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Duplex / Continuous F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 29 1999

TIME: 12:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13807.50	+10.0PK	+16.8	26.8	83.0	-56.2	125 1.00
15780.00	+40.2PK	+19.7	59.9	83.0	-23.1	130 1.00
17732.50	+39.7PK	+22.6	62.3	83.0	-20.7	100 1.00

Changed to the microwave horn antenna

19725.00	+38.4PK	+23.0	61.4	83.0	-21.6	90 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 1:15pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
----	---	----	----	-----	-----	---
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3715.00	+46.8PK	+0.7	47.5	83.0	-35.5	285 1.00
5572.50	+47.0PK	+6.3	53.3	83.0	-29.7	270 1.00
7430.00	+46.7PK	+7.9	54.6	83.0	-28.4	280 1.00
9287.50	+45.4PK	+10.4	55.8	83.0	-27.2	290 1.00
11145.00	+44.9PK	+12.9	57.8	83.0	-25.2	290 1.00
13002.50	+47.7PK	+15.6	63.3	83.0	-19.7	290 1.00
14860.00	+44.2PK	+18.3	62.5	83.0	-20.5	290 1.00
16717.50	+45.0PK	+21.1	66.1	83.0	-16.9	290 1.00

Changed to the microwave horn antenna

18575.00	+44.8PK	+23.0	67.8	83.0	-15.2	285 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
----	---	----	----	-----	-----	---
3715.00	+46.2PK	+0.7	46.9	83.0	-36.1	250 1.00
5572.50	+46.4PK	+6.3	52.8	83.0	-30.2	230 1.00
7430.00	+47.0PK	+7.9	54.9	83.0	-28.1	230 1.00
9287.50	+45.4PK	+10.4	55.8	83.0	-27.2	230 1.00
11145.00	+44.8PK	+12.9	57.7	83.0	-25.3	230 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous A Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 1:15pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
----	----	----	----	-----	-----	----
13002.50	+43.2PK	+15.6	58.8	83.0	-24.2	230 1.00
14860.00	+44.0PK	+18.3	62.3	83.0	-20.7	210 1.00
16717.50	+45.0PK	+21.1	66.1	83.0	-16.9	200 1.00

Changed to the microwave horn antenna

18575.00	+44.7PK	+23.0	67.7	83.0	-15.3	200 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 1:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3875.00	+47.0PK	+1.1	48.1	83.0	-34.9	185 1.00
5812.50	+74.0PK	+7.4	81.4	83.0	-1.6	110 1.00
5812.50	+67.5VA	+7.4	74.9	83.0	-8.1	110 1.00
7750.00	+44.0PK	+8.3	52.3	83.0	-30.7	120 1.00
9687.50	+44.0PK	+11.0	54.9	83.0	-28.1	120 1.00
11625.00	+42.0PK	+13.6	55.6	83.0	-27.4	125 1.00
13562.50	+43.6PK	+16.4	60.1	83.0	-22.9	125 1.00
15500.00	+44.2PK	+19.3	63.5	83.0	-19.5	145 1.00
17437.50	+43.2PK	+22.2	65.4	83.0	-17.6	150 1.00

Changed to the microwave horn antenna

19375.00	+43.6PK	+23.0	66.6	83.0	-16.4	150 1.00
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3875.00	+47.0PK	+1.1	48.1	83.0	-34.9	185 1.00
2812.50	+47.0PK	-0.6	46.4	83.0	-36.6	180 1.00
7750.00	+44.9PK	+8.3	53.2	83.0	-29.8	180 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous A Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 1:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
9687.50	+44.9PK	+11.0	55.9	83.0	-27.1	180 1.00
1625.00	+42.8PK	+13.6	56.4	83.0	-26.6	155 1.00
3562.50	+41.0PK	+16.4	57.4	83.0	-25.6	155 1.00
5500.00	+42.6PK	+19.3	61.9	83.0	-21.1	160 1.00
7437.50	+44.2PK	+22.2	66.4	83.0	-16.6	160 1.00

Changed to the microwave horn antenna

9375.00	+43.1PK	+23.0	66.1	83.0	-16.9	145 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 1:45pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CP	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
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1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

3755.00	+44.6PK	+0.8	45.4	83.0	-37.6	265 1.00
5632.50	+45.7PK	+6.6	52.3	83.0	-30.7	280 1.00
7510.00	+45.3PK	+8.0	53.3	83.0	-29.7	280 1.00
9387.50	+44.2PK	+10.5	54.7	83.0	-28.3	290 1.00
11265.00	+43.6PK	+13.1	56.7	83.0	-26.3	290 1.00
13142.50	+44.8PK	+15.8	60.6	83.0	-22.4	295 1.00
15020.00	+45.0PK	+18.6	63.6	83.0	-19.4	275 1.00
16897.50	+44.2PK	+21.4	65.6	83.0	-17.4	270 1.00

Changed to the microwave horn antenna

18775.00	+43.8PK	+23.0	66.8	83.0	-16.2	280 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

3755.00	+45.6PK	+0.8	46.4	83.0	-36.6	200 1.00
5632.50	+45.0PK	+6.6	51.6	83.0	-31.4	210 1.00
7510.00	+45.8PK	+8.0	53.8	83.0	-29.2	205 1.00
9387.50	+44.3PK	+10.5	54.8	83.0	-28.2	210 1.00
11265.00	+44.8PK	+13.1	57.9	83.0	-25.1	225 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous B Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego .TEST SITE 2
DATE: September 30 1999

TIME: 1:45pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TRI. ANT
13142.50	+44.0PK	+15.8	59.8	83.0	-23.2	210 1.00
15020.00	+43.2PK	+18.6	61.8	83.0	-21.2	195 1.00
16897.50	+43.0PK	+21.4	64.4	83.0	-18.6	190 1.00

Changed to the microwave horn antenna

18775.00	+44.0PK	+23.0	67.0	83.0	-16.0	195 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 2:00pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3915.00	+46.7PK	+1.2	47.9	83.0	-35.1	95 1.00
5872.50	+48.8PK	+7.6	56.4	83.0	-26.6	100 1.00
7830.00	+44.6PK	+8.4	53.0	83.0	-30.0	100 1.00
9787.50	+43.9PK	+11.1	55.0	83.0	-28.0	105 1.00
11745.00	+45.2PK	+13.7	59.0	83.0	-24.0	90 1.00
13702.50	+44.8PK	+16.6	61.4	83.0	-21.6	90 1.00
15660.00	+44.0PK	+19.5	63.5	83.0	-19.5	95 1.00
17617.50	+43.8PK	+22.4	66.2	83.0	-16.8	100 1.00

Changed to the microwave horn antenna

19575.00	+43.0PK	+23.0	66.0	83.0	-17.0	100 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3915.00	+47.4PK	+1.2	48.5	83.0	-34.5	120 1.00
5872.50	+50.5PK	+7.6	58.1	83.0	-24.9	120 1.00
7830.00	+45.6PK	+8.4	54.0	83.0	-29.0	120 1.00
9787.50	+44.0PK	+11.1	55.1	83.0	-27.9	120 1.00
11745.00	+45.2PK	+13.7	59.0	83.0	-24.0	125 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous B Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 2:00pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

EQ z	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
50	+43.5PK	+16.6	60.1	83.0	-22.9	115 1.00
00	+44.7PK	+19.5	64.2	83.0	-18.8	130 1.00
50	+44.9PK	+22.4	67.3	83.0	-15.7	135 1.00

changed to the microwave horn antenna

00	+43.0PK	+23.0	66.0	83.0	-17.0	125 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 2:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3785.00	+42.0PK	+0.9	42.9	83.0	-40.1	230 1.00
5677.50	+41.6PK	+6.8	48.4	83.0	-34.6	245 1.00
7570.00	+40.0PK	+8.1	48.1	83.0	-34.9	215 1.00
9462.50	+39.6PK	+10.6	50.2	83.0	-32.8	210 1.00
11355.00	+36.8PK	+13.2	50.0	83.0	-33.0	245 1.00
13247.50	+40.9PK	+15.9	56.8	83.0	-26.2	245 1.00
15140.00	+40.0PK	+18.8	58.8	83.0	-24.2	235 1.00
17032.50	+39.8PK	+21.6	61.4	83.0	-21.6	235 1.00

Changed to the microwave horn antenna

18925.00	+38.0PK	+23.0	61.0	83.0	-22.0	230 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
3785.00	+41.6PK	+0.9	42.5	83.0	-40.5	250 1.00
5677.50	+42.2PK	+6.8	49.0	83.0	-34.0	260 1.00
7570.00	+38.5PK	+8.1	46.6	83.0	-36.4	245 1.00
9462.50	+40.9PK	+10.6	51.5	83.0	-31.5	230 1.00
11355.00	+40.0PK	+13.2	53.2	83.0	-29.8	245 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous F Band Uplink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 2:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
13247.50	+36.9PK	+15.9	52.8	83.0	-30.2	260 1.00
15140.00	+40.0PK	+18.8	58.8	83.0	-24.2	260 1.00
17032.50	+39.8PK	+21.6	61.4	83.0	-21.6	250 1.00

Changed to the microwave horn antenna

18925.00	+40.1PK	+23.0	63.1	83.0	-19.9	235 1.00
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RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 2:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
1 TO 18 GHz 3115 Horn Antenna at 3 meters Horz.						
3945.00	+47.8PK	+1.3	49.1	83.0	-33.9	110 1.00
5917.50	+52.7PK	+7.8	60.5	83.0	-22.5	100 1.00
7890.00	+43.3PK	+8.5	51.8	83.0	-31.2	110 1.00
9862.50	+46.3PK	+11.2	57.5	83.0	-25.5	120 1.00
11835.00	+44.8PK	+13.9	58.7	83.0	-24.3	110 1.00
13807.50	+45.6PK	+16.8	62.4	83.0	-20.6	125 1.00
15780.00	+45.6PK	+19.7	65.3	83.0	-17.7	125 1.00
17752.50	+43.7PK	+22.6	66.3	83.0	-16.7	225 1.00

Changed to the microwave horn antenna

19725.00	+43.7PK	+23.0	66.7	83.0	-16.3	210 1.00
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Changed back to the 3115 horn antenna

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.						
FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
3945.00	+48.6PK	+1.3	49.9	83.0	-33.1	125 1.00
5917.50	+53.5PK	+7.8	61.3	83.0	-21.7	125 1.00
7890.00	+43.2PK	+8.5	51.7	83.0	-31.3	130 1.00

RADIATED EMISSION DATA

COMPANY: LGC Wireless Inc.
EQUIP. UNDER TEST: LGC Wireless Distributed Antenna System
Simplex / Continuous F Band Downlink
MODEL NUMBER: DAS19M-4
TEST PROCEDURE: FCC Part 24 Class B
SUPPORT EQUIPMENT: Signal Generator

TESTED BY: Dominic Griego TEST SITE 2
DATE: September 30 1999

TIME: 2:30pm Control RM Temp: 72 Deg.F Humidity: 23 %RH
EUT Room Temp: 72 Deg.F Humidity: 23 %RH

1 TO 18 GHz 3115 Horn Antenna at 3 meters Vert.

FREQ MHz	RAW dBuV	SITE CF	CORR'D dBuV/m	LIMIT dBuV/m	EUT MARGIN dBuV	POSITION TBL ANT
9862.50	+42.8PK	+11.2	54.0	83.0	-29.0	125 1.00
11835.00	+45.7PK	+13.9	59.6	83.0	-23.4	145 1.00
13807.50	+44.3PK	+16.8	61.1	83.0	-21.9	150 1.00
15780.00	+44.0PK	+19.7	63.7	83.0	-19.3	145 1.00
17752.50	+45.0PK	+22.6	67.6	83.0	-15.4	155 1.00

Changed to the microwave horn antenna

19725.00	+44.8PK	+23.0	67.8	83.0	-15.2	160 1.00
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APPENDIX H

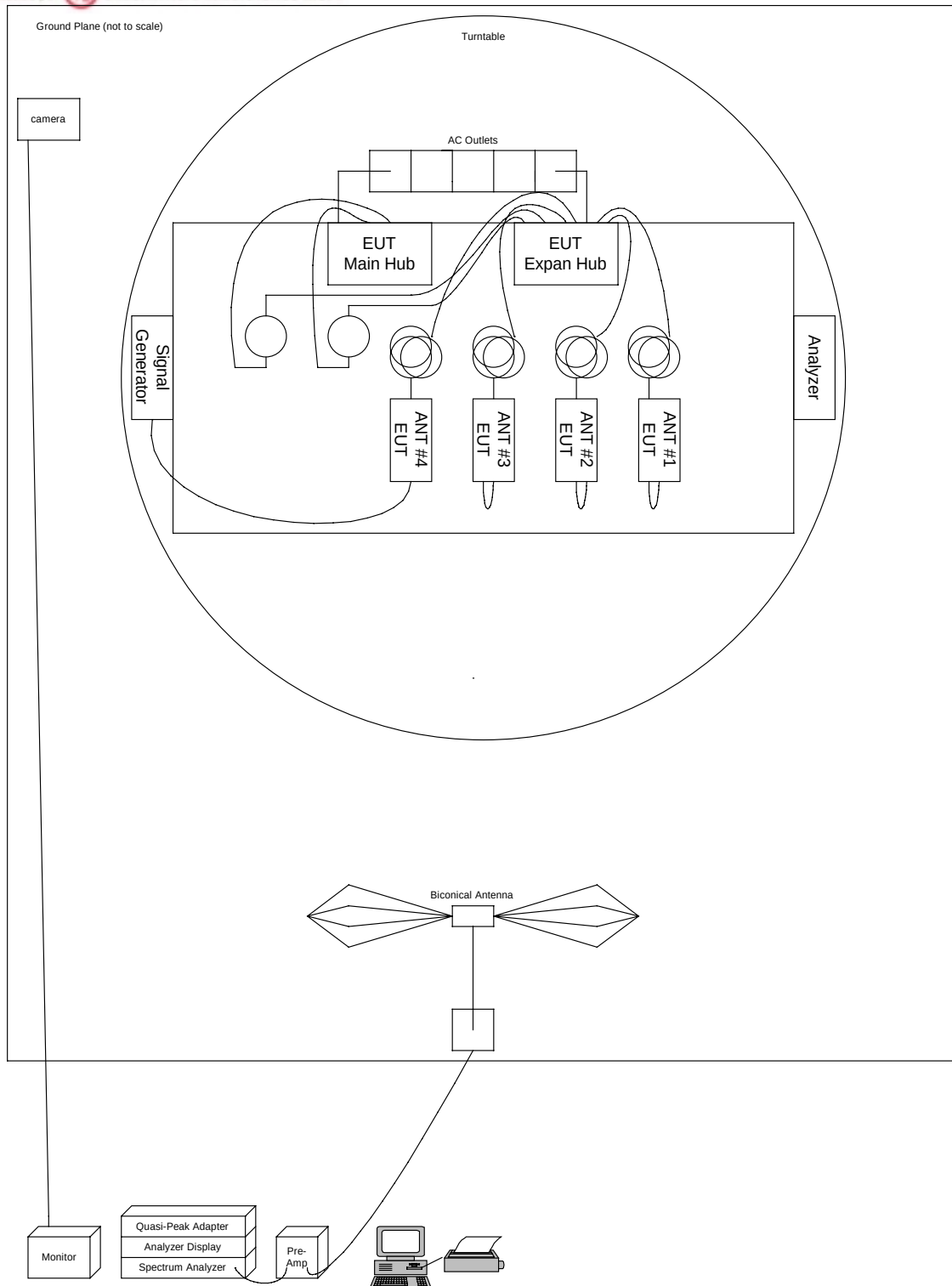
LETTER OF AUTHORIZATION

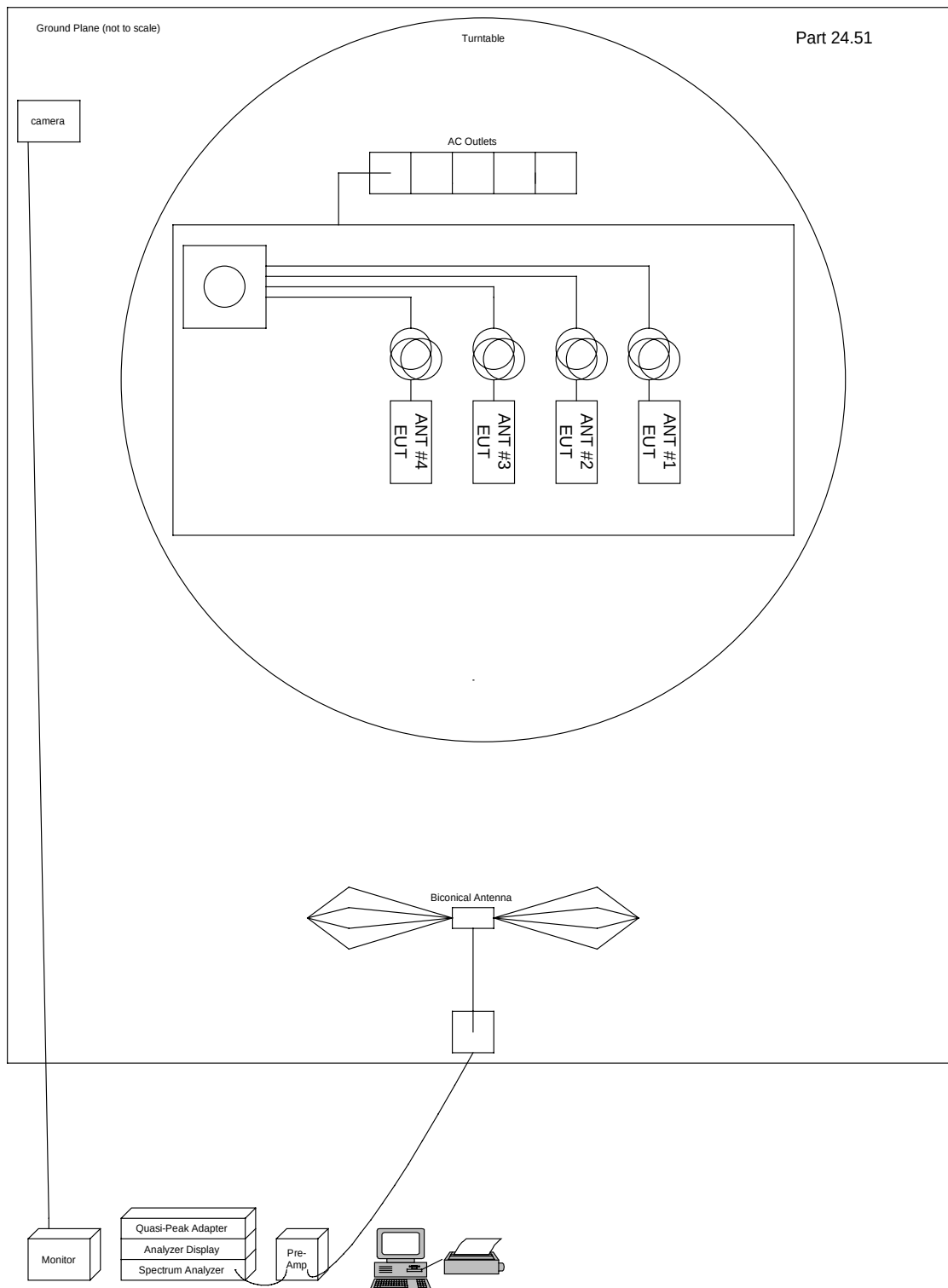
APPENDIX I

FCC ID LABEL/FCC LABEL PLACEMENT

APPENDIX J

SCHEMATICS/BLOCK DIAGRAM





APPENDIX K

OPERATIONS MANUAL

APPENDIX L

TEST PROCEDURES

For a Copy, Contact John Dorsey at:

LGC WIRELESS, INC.
585 E. Brokaw Rd.
San Jose, CA 95112