

M. Flom Associates, Inc. is accredited by the American Association for Laboratory Accreditation (A2LA) as shown in the scope below.

 THE AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION ACCREDITED LABORATORY A2LA has accredited M. FLOM ASSOCIATES, INC. Chandler, AZ for technical competence in the field of Electrical (EMC) Testing The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO/IEC 17025 - 1999 "General Requirements for the Competence of Testing and Calibration Laboratories" and any additional program requirements in the identified field of testing. Testing and calibration laboratories that comply with this International Standard also operate in accordance with ISO 9001 or ISO 9002. Presented this 2nd day of March, 2001.  President For the Accreditation Council Certificate Number 1008.01 Valid to December 31, 2002 For tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical (EMC) Scope of Accreditation	 American Association for Laboratory Accreditation <u>SCOPE OF ACCREDITATION TO ISO/IEC 17025:1999</u> M. FLOM ASSOCIATES, INC. Electronic Testing Laboratory 3356 North San Marcos Place, Suite 107 Chandler, AZ 85225 Morton Flom Phone: 480 926 3100 ELECTRICAL (EMC) Valid to: December 31, 2002 Certificate Number: 1008-01 In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following electromagnetic compatibility tests: <table border="0"> <thead> <tr> <th>Tests</th> <th>Standard(s)</th> </tr> </thead> <tbody> <tr> <td>RF Emissions</td> <td>FCC Part 15 (Subparts B and C) using ANSI C63.4-2000; CISPR 11; CISPR 13; CISPR 14; CISPR 22; EN 55011; EN 55013; EN 55014; EN 55022; EN 50081-1; EN 50081-2; IEC 6082-1; AS/NZS 1044; AS/NZS 1053; AS/NZS 3548; AS/NZS 4251.1; CNS 13438</td> </tr> <tr> <td>Harmonic Currents</td> <td>EN 61000-3-2</td> </tr> <tr> <td>Fluctuation and Flicker</td> <td>EN 61000-3-3</td> </tr> <tr> <td>RF Immunity</td> <td>EN: 50082-1, 50082-2, 55024; AS/NZS 4251.1</td> </tr> <tr> <td>Electrostatic Discharge (ESD)</td> <td>EN 61000-4-2</td> </tr> <tr> <td>Radiated Susceptibility</td> <td>EN 61000-4-3; ENV 50140; ENV 50204; IEC 1000-4-3; IEC 801-3</td> </tr> <tr> <td>EFT</td> <td>EN 61000-4-4; IEC 1000-4-4; IEC 801-4</td> </tr> <tr> <td>Surge</td> <td>EN 61000-4-5; ENV 50142; IEC 1000-4-5; IEC 801-5</td> </tr> <tr> <td>Voltage Dips, Short Interruptions, and Line Voltage Variations</td> <td>EN 61000-4-11</td> </tr> <tr> <td>47 CFR (FCC)</td> <td>Parts: 2, 18, 21, 22, 23, 24, 25, 26, 27, 74, 80, 87, 90, 95, 97, 101 (excluding SAR Testing)</td> </tr> <tr> <td>Power Frequency Magnetic Field Immunity</td> <td>EN 61000-4-8</td> </tr> <tr> <td>Immunity to Conducted Disturbances</td> <td>EN 61000-4-6</td> </tr> </tbody> </table> (A2LA Cert. No. 1008.01) 08/01/02 Page 1 of 1 5301 Bockestown Pike, Suite 350 • Frederick, MD 21704-8373 • Phone: 301-644 3248 • Fax: 301-662 2974 	Tests	Standard(s)	RF Emissions	FCC Part 15 (Subparts B and C) using ANSI C63.4-2000; CISPR 11; CISPR 13; CISPR 14; CISPR 22; EN 55011; EN 55013; EN 55014; EN 55022; EN 50081-1; EN 50081-2; IEC 6082-1; AS/NZS 1044; AS/NZS 1053; AS/NZS 3548; AS/NZS 4251.1; CNS 13438	Harmonic Currents	EN 61000-3-2	Fluctuation and Flicker	EN 61000-3-3	RF Immunity	EN: 50082-1, 50082-2, 55024; AS/NZS 4251.1	Electrostatic Discharge (ESD)	EN 61000-4-2	Radiated Susceptibility	EN 61000-4-3; ENV 50140; ENV 50204; IEC 1000-4-3; IEC 801-3	EFT	EN 61000-4-4; IEC 1000-4-4; IEC 801-4	Surge	EN 61000-4-5; ENV 50142; IEC 1000-4-5; IEC 801-5	Voltage Dips, Short Interruptions, and Line Voltage Variations	EN 61000-4-11	47 CFR (FCC)	Parts: 2, 18, 21, 22, 23, 24, 25, 26, 27, 74, 80, 87, 90, 95, 97, 101 (excluding SAR Testing)	Power Frequency Magnetic Field Immunity	EN 61000-4-8	Immunity to Conducted Disturbances	EN 61000-4-6
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"This laboratory is accredited by the American Association for Laboratory Accreditation (A2LA) and the results shown in this report have been determined in accordance with the laboratory's terms of accreditation unless stated otherwise in the report."

Should this report contain any data for tests for which we are not accredited, or which have been undertaken by a subcontractor that is not A2LA accredited, such data would not covered by this laboratory's A2LA accreditation.

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DECLARATION OF CONFORMITY

APPLICANT: SGC Inc.
13737 S.E. 26th St.
P.O. Box 3526
Bellevue, WA 98005

MODEL NOS: SGC SG-230, SG-231, SG-235, SG-237, SG-239

TYPE OF EQUIPMENT: Antenna Couplers

SERIAL NOS: 51465803, 81679117, 82655901, 51374172,
56512446

Manufacturer: SGC Inc.
13737 S.E. 26th St.
P.O. Box 3526
Bellevue, WA 98005

ADDITIONAL INFO:

Tested According To:
EN 55022-1998 or EN 55011-1998
EN 50082-1-1997
EN 61000-4-2: Electrostatic Discharge (ESD)
EN 61000-4-3: Radiated Electromagnetic Field (EMF)
EN 61000-4-4: Electrical Fast Transient/Burst (EFT)

TEST DATES: March 2003

REPORT DATE: March 26, 2003

P.O.: Verbal by P.G.

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TYPE OF EQUIPMENT: Antenna Couplers

MODEL NO: SGC SG-230, SG-231, SG-235, SG-237, SG-239

SERIAL NO: 51465803, 81679117, 82655901, 51374172,
56512446

ASSOCIATED EQUIP. N/A

TEST PERFORMED BY: STAFF AT M. FLOM ASSOCIATES, INC.

CLIENT: SGC Inc.

DATE OF TESTS: March 2003

VOLTAGE INPUT, 10.5 to 15 Vdc

NORMALLY OPERATED: 13.8 Vdc

GROUNDING: Yes

MODIFICATIONS: (none)

GENERAL: THE RESULTS OF THIS REPORT APPLY ONLY TO THE
UNITS TESTED

TEST CONDITIONS:

In accordance with ANSI C63.4-1992/2000 Draft, section 6.1.9, and unless otherwise indicated in the specific measurement results, the ambient temperature of the actual EUT was maintained within the range of 10° to 40°C (50° to 104°F) unless the particular equipment requirements specify testing over a different temperature range. Also, unless otherwise indicated, the humidity levels were in the range of 10% to 90% relative humidity.

SUMMARY OF RESTRICTIONS

1. Revocation of CE mark by the European Authorities can occur at any time if the equipment does not meet or continue to meet the rules.
2. A sample may be requested at any time.

MANUFACTURER'S DECLARATION OF CONFORMITY

Product Identification

Product	Antenna Couplers
Brand	SGC
Model/Type	SG-230, SG-231, SG-235, SG-237, SG-239
Version	
Additional Information	

Manufacturer

Name & Address	SGC Inc. 13737 S.E. 26th St. P.O. Box 3526 Bellevue, WA 98005
Country:	USA

EU Representative

Name & Address	
Country:	
Function:	

A Sample has been tested by

Name & Address	M. Flom Associates, Inc. 3356 N. San Marcos Place, Suite 107 Chandler, AZ 85225
Country	USA

Standards Used

EN 55022-1998 or EN 55011-1998
EN 50082-1-1997
EN 61000-4-2: Electrostatic Discharge (ESD)
EN 61000-4-3: Radiated Electromagnetic Field (EMF)
EN 61000-4-4: Electrical Fast Transient/Burst (EFT)

The product is in conformity with Directive 89/336/EEC based on test results using harmonized standards in accordance with Article 10(a) of the Directive.

Signature of EU Representative

Signature	
Place	
Date	
Number	