



EMC Test Data

Client:	Summit Data Communications	Job Number:	J71248
Model:	SDC-CF10AG	T-Log Number:	T71257
Contact:	Ron Seide	Account Manager:	Dean Eriksen
Emissions Standard(s):	EN 301 489-17 v1.2.1	Class:	-
Immunity Standard(s):	EN301 489-1 V1.6.1 (2005-09)	Environment:	Wireless

EMC Test Data

For The

Summit Data Communications

Model

SDC-CF10AG

Date of Last Test: 4/3/2008



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EUT INFORMATION

The following information was collected during the test session(s).

General Description

The EUT is a wireless local area network (HIPERLAN) type 1 card. Since the EUT would be placed on a table top during operation, the EUT was treated as table-top equipment during testing to simulate the end-user environment. The EUT power is normally supplied by a host system.

Equipment Under Test

Manufacturer	Model	Description	Serial Number	FCC ID
Summit Data Communications	SDC-CF10AG	Compact Flash Module	CF10AG07122-0000376	TWG-SDCCF10AG

Other EUT Details

The following EUT details should be noted: The EUT was tested in the transmit and non-transmit modes.

EUT Antenna (Intentional Radiators Only)

The EUT antenna is a _____.

The antenna is integral to the device.

The antenna connects to the EUT via a non-standard _____ antenna connector, thereby meeting the requirements of FCC 15.203.

EUT Enclosure

The EUT does not have an enclosure as it is designed to be installed within the enclosure of a host computer or system.



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Test Configuration #1

The following information was collected during the test session(s).

Local Support Equipment

Manufacturer	Model	Description	Serial Number	FCC ID
Hp	iPAQ	PDA	00039-146-717-467	-
Sycard	CFextend160B	Compact Flash Extender	C169B-6283	-

Remote Support Equipment

Manufacturer	Model	Description	Serial Number	FCC ID
Cisco	1130AG	WiFi Wireless AP	FTX1040T17J	-

Cabling and Ports

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length(m)
Compact Flash	Compact Flash Extender	Compact Flash Extender	Unshielded	-



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EUT Operation During Emissions Tests

During immunity test the EUT will be exercised by pinging to a communication link (AP).
Normal operation is indicated by the host system and is monitored by the host system.

EUT Operation During Immunity Tests

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Normal operation is indicated by the host system and is monitored by the host system.

Performance Criteria for Immunity Tests

Criterion A:

During and after testing the EUT shall continue to transmit and link to the remote AP. A degradation of performance is allowed providing no change of the actual mode of operation (e.g. unintended transmission) or or stored data is allowed. After the test, the apparatus shall continue to operate as intended.

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ElectroStatic Discharge (EN 61000-4-2)

Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 4/3/2008 8:11	Config. Used: 1
Test Engineer: Joe What	Config Change: None
Test Location: ESD Lab	Host Unit Voltage 120V

General Test Configuration

For table-top equipment, the EUT was placed into a host system and all local support equipment were located on a 0.5-mm thick insulating layer above a horizontal coupling plane, 80 cm above a ground reference plane.

Unless otherwise stated, ten discharges at each voltage, and polarity, were applied to each test point listed. Contact discharges were applied to coupling planes and conductive surfaces of the EUT and host system. Air discharges were applied to any non-conductive surfaces of the EUT and host system. The VCP was located on the table top for table top devices and 80cm above the ground plane for floor standing equipment.

The determination as to the test point being a part of a conductive or non-conductive surface was based on testing the surface for conductivity using an ohmmeter.

Ambient Conditions:

Temperature:	21 °C
Relative Humidity:	38 %
Pressure:	1026 mb

Summary of Results

Run #	Test Performed	Level	Criteria/Result	Comments
1	ESD - Enclosure	4KV Direct 8KV Air	A / Pass	As stated in EN 301 489-1 V1.6.1 Clause 9.3

Modifications Made During Testing

No modifications were made to the EUT during testing

Deviations From The Standard

No deviations were made from the requirements of the standard.



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Run #1: Electrostatic Discharge

Transmit Mode

Indirect Discharges (To Coupling Planes)	Positive Polarity				Negative Polarity			
	(kV)				(kV)			
Contact Mode	Level 1	Level 2	Level 3	Level 4	Level 1	Level 2	Level 3	Level 4
	2KV	4KV	6KV	8KV	-2KV	-4KV	-6KV	-8KV
VCP located 10cm from the front, rear, left and right sides of the EUT	X	X	-	-	X	X	-	-
HCP located 10cm from the front, rear, left and right sides of the EUT	X	X	-	-	X	X	-	-

Run #2: Electrostatic Discharge

Non-Transmit Mode

Indirect Discharges (To Coupling Planes)	Positive Polarity				Negative Polarity			
	(kV)				(kV)			
Contact Mode	Level 1	Level 2	Level 3	Level 4	Level 1	Level 2	Level 3	Level 4
	2KV	4KV	6KV	8KV	-2KV	-4KV	-6KV	-8KV
VCP located 10cm from the front, rear, left and right sides of the EUT	X	X	-	-	X	X	-	-
HCP located 10cm from the front, rear, left and right sides of the EUT	X	X	-	-	X	X	-	-

Note 1: An "X" indicates that the unit continued to operate as intended. The host system was pinging to a remote AP and the host system reported there were no data errors or loss of data.

Note 2: There was no direct or air discharges to the EUT because it is normally inserted into a host system.