



Test Certificate

A sample of the following product received on November 11, 2009 and tested on February 24, 2010 complied with the requirements of,

- EN 301 489-1 V1.8.1 "Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements"
- EN 301 489-17 V2.1.1 "Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmitting Systems"

given the measurement uncertainties as detailed in Elliott report R78533.

Summit Data Communications Inc.

Model SDC-MSD30AG

Mark E. Hill
Staff Engineer

Summit Data Communications Inc.

Printed Name



Testing Cert #2016.01

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EMC Test Report

EN 301 489-1 v1.8.1

EN 301 489-17 V2.1.1

Model: SDC-MSD30AG

COMPANY: Summit Data Communications Inc.
526 South Main St. Suite 805
Akron, OH 44311

TEST SITE(S): Elliott Laboratories
684 West Maude Ave.
Sunnyvale, CA. 94085

REPORT DATE: March 10, 2010

FINAL TEST DATES: February 24, 2010

AUTHORIZED SIGNATORY:

A handwritten signature in blue ink, appearing to read "Mark E. Hill", written over a horizontal line.

Mark E. Hill
Staff Engineer
Elliott Laboratories



Testing Cert #2016.01

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REVISION HISTORY

Rev#	Date	Comments	Modified By
-	March 10, 2010	First release	

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SCOPE

The European Committee for Electrotechnical Standardization (CENELEC), the European Telecommunications Standards Institute (ETSI) and the International Electrotechnical Commission (IEC) publish standards regarding the electromagnetic compatibility of electronic devices. Electromagnetic compatibility tests have been performed on the Summit Data Communications Inc. model SDC-MSD30AG in accordance with these standards. The tests were performed in accordance with the current, published versions of the basic standards referenced in the following standards, as outlined in Elliott Laboratories test procedures. The test data has been provided as an appendix to this report for reference.

Standard	Title	Date
EN 301 489-1	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements	2008-04
EN 301 489-17	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmitting Systems	2009-05

OBJECTIVE

The objective of the manufacturer is to declare conformity with one of the essential requirements of the R&TTE Directive 1999/5/EC. In order to demonstrate compliance, the manufacturer or a contracted laboratory makes measurements and takes the necessary steps to ensure that the equipment complies with the appropriate technical standards.

STATEMENT OF COMPLIANCE

The tested sample of Summit Data Communications Inc. model SDC-MSD30AG complied with the requirements of:

Standard/Regulation	Version	Standard Date
EN 301 489-1	1.8.1	2008-04
EN 301 489-17	2.1.1	2009-05

given the performance criteria as specified by the manufacturer.

The test results recorded herein are based on a single type test of the Summit Data Communications Inc. model SDC-MSD30AG and therefore apply only to the tested sample. The sample was selected and prepared by Jerry Pohmurski of Summit Data Communications Inc.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product that could result in increased emissions should be checked to ensure compliance has been maintained (i.e., printed circuit board layout changes, different enclosure, different line filter or power supply, harnessing and/or interface cable changes, etc.).

DEVIATIONS FROM THE STANDARD

No deviations were made from the published requirements listed in the scope of this report.

TEST RESULTS

The following tests were performed on the Summit Data Communications Inc. model SDC-MSD30AG. The results are based upon performance criteria defined by the manufacturer. The actual test results and associated performance criteria are contained within an appendix of this report.

EMISSIONS TESTING

Test	Port	Basic Standard	Level	Compliance Status
Radiated Emissions	Enclosure	EN 55022	N/A – note 1	
Conducted Emissions	AC Power	EN 55022	N/A – note 2	
Conducted Emissions	DC Power	EN 55022	N/A – note 3	
Harmonic Current Emissions	AC Power	EN 61000-3-2	N/A – note 2	
Voltage Fluctuations	AC Power	EN 61000-3-3	N/A – note 2	
Conducted Emissions - Telecom	-	EN 55022	N/A – Note 4	

Note 1 – This test is only applicable to ancillary equipment. The radiated emissions requirements for radio equipment are covered under the Radio standard.

Note 2 – The EUT does not have an AC power port.

Note 3 – The EUT does not have a DC power port that would connect to a cable longer than 3m.

Note 4 – The EUT does not have any telecommunication ports.

IMMUNITY TESTING

As the SDC-MSD30AG is a module intended for use in host devices, only limited testing was performed.

Test	Basic Standard	Level Required	Level Tested	Criterion Met	Status
ElectroStatic Discharge	EN 61000-4-2	4 kV CD, 8 kV AD	4 kV CD	A / TT / TR	Complied
Radio frequency Electromagnetic Field	EN 61000-4-3	80-1400 MHz 1400-2700 MHz 3 V/m 80% 1 KHz AM	80-1400 MHz 1400-2700 MHz 3 V/m 80% 1 KHz AM	A / CT / CR	Complied
Fast Transients Common Mode – AC Power Ports	EN 61000-4-4	N/A – Note 1			
Fast Transients Common Mode DC Power Ports	EN 61000-4-4	N/A – Note 2			
Fast Transients Common Mode - Signal, Control, and Telecommunications Ports	EN 61000-4-4	N/A – Note 3			
Surge, AC Power Port	EN 61000-4-5	N/A – Note 1			
Surge, Telecommunications ports	EN 61000-4-5	N/A – Note 3			
Vehicular Surges	ISO 7637-1, ISO 7637-2	N/A – Note 4			
Radio frequency Common Mode,, AC Power Port	EN 61000-4-6	N/A – Note 1			
Radio frequency Common Mode, DC Power Ports	EN 61000-4-6	N/A – Note 2			
Radio frequency Common Mode, Signal, Control, and Telecommunications Ports	EN 61000-4-6	N/A – Note 3			
Voltage Dips and Interrupts	EN 61000-4-11	N/A – Note 1			
Note 1 – The EUT does not possess an AC power port.					
Note 2 – The EUT does not have any DC power ports that are intended to connect to cables longer than 3m.					
Note 3 – The EUT does not have any signal ports that are intended to connect to cables longer than 3m in length					
Note 4 – The EUT is not intended to be used in a vehicular environment.					

MEASUREMENT UNCERTAINTIES

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the test results be included in the report. The measurement uncertainties given below are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a 95% confidence level and were calculated in accordance with NAMAS document LAB 34. For emissions tests, the uncertainties were calculated using the approach described in CISPR 16-4-2:2003 and the levels were found to be below levels of Ucispr and therefore no adjustment of the data for measurement uncertainty is required.

Measurement Type	Measurement Unit	Frequency Range	Expanded Uncertainty
Conducted Emissions	dBuV	0.15 to 30 MHz	± 2.4 dB
Radiated Emissions	dBuV/m	30 to 1000 MHz	± 3.6 dB
AC Current Harmonics	Amps	50 to 2,000 Hz	± 0.12 %
AC Voltage Flicker	Voltage	N/A	± 0.12 %
	Pst, Plt	N/A	± 3.46 %
Radiated Immunity	V/m	80 – 2500 MHz	- 26.3%, + 29.97%
ESD	KV	N/A	± 8.6 %
Fast Transients	Voltage	N/A	± 5.98 %
	Timing	N/A	± 8.60 %
Surge	Voltage	N/A	± 4.92 %
RF Common Mode (CDN method)	Vrms	0.15 –80 MHz	-12.64 %, +13.33 %
RF Common Mode (BCI method)	Vrms	0.15 –80 MHz	-13.45 %, +15.32 %
Voltage Dips	Voltage	N/A	± 2.32 %
	Timing	N/A	± 0.08 mS

EQUIPMENT UNDER TEST (EUT) DETAILS**GENERAL**

The Summit Data Communications Inc. model SDC-MSD30AG is a 802.11ag compliant wireless LAN radio Module which is designed to provide wireless local area networking connectivity. Normally, the EUT would be embedded in various types of mobile and stationary computing devices such as handheld and vehicle mounted data terminals during operation. The EUT was, therefore, placed in this position during emissions testing to simulate the end user environment. The electrical rating of the EUT is 3.3 VDC \pm 5%. It's typical power consumption is 400mA (1320mW) while in transmit mode, 180mA (594mW) while in receive mode and 10mA (33mW) while in standby mode.

The sample was received on November 11, 2009 and tested on February 24, 2010. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
Summit Data Communications Inc.	SDC-MSD30AG	802.11AG Mini Compact Flash Module with antenna connectors	-

EUT CLASSIFICATION

The EUT is a radio module that can be used in either fixed use or portable applications.

ENCLOSURE

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

MODIFICATIONS

The EUT did not require modifications during testing in order to comply with the immunity specification.

SUPPORT EQUIPMENT

The following equipment was used as local support equipment for immunity testing:

Manufacturer	Model	Description	Serial Number	FCC ID
Hewlett Packard	iPaq	mobile device	-	-

The following equipment was used as remote support equipment for immunity testing:

Manufacturer	Model	Description	Serial Number	FCC ID
Dell	Inspiron 800	laptop computer	-	DoC
Airlink	AR430W	wireless router	30008256167	RRK-AR430W
Cisco	-	wireless router	-	-

EUT INTERFACE PORTS

The I/O cabling configuration during immunity testing was as follows:

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length(m)
Ethernet on laptop	Airlink router	CAT5 UTP	unshielded	2.0
Ethernet on Cisco router	Airlink router	CAT5 STP	Shielded	15.0
DC on Power supply	iPaq	multiwire	Shielded	2.0
AC Power	AC Mains	wall-wart power supply	unshielded	0.0

EUT OPERATION DURING IMMUNITY TESTING

During immunity test the EUT was exercised by a repeated ping test generated from the remote laptop computer.

Normal operation is indicated by continued pinging with no dropped packets and shall be monitored by observing the ping returns on the remote laptop and observing the iPaq screen for any errors.

In addition, the EUT was placed into a receive mode and observed for un-intentional transmissions using a spectrum analyzer.

EUT PERFORMANCE CRITERIA

Criterion A: During and after testing the EUT shall continue to return ping tests with no dropped packets. When in receive mode, the EUT shall not un-intentionally transmit.

Criterion B: During application of the transient test, degradation of performance including loss of association is allowed provided that the EUT self-recovers to normal operation after testing without any operator intervention. When in receive mode, the EUT shall not un-intentionally transmit.

Criterion C: Loss of function is allowed provided that normal operation can be restored by user intervention.

IMMUNITY TEST DESCRIPTIONS

GENERAL INFORMATION

Final tests were performed at the Elliott Laboratories Test Sites located at 684 West Maude Ave. Sunnyvale, California. Considerable engineering effort has been expended to ensure that the facilities conform to all pertinent CENELEC and IEC standards.

MEASUREMENT INSTRUMENTATION

ELECTROSTATIC DISCHARGE TEST SYSTEM

An ESD generator is used for all testing. It is capable of applying electrostatic discharges in both contact discharge mode to 8 kV and air discharge mode to 16.5 kV in both positive and negative polarities in accordance with the EN 61000-4-2 basic EMC publication.

ELECTROMAGNETIC FIELD TEST SYSTEM

A signal generator and power amplifiers are used to provide a signal at the appropriate power and frequency to an antenna to obtain the required electromagnetic field at the position of the EUT in accordance with the EN61000-4-3 basic EMC publication.

INSTRUMENT CALIBRATION

All test equipment is regularly checked to ensure that performance is maintained in accordance with the company's specifications. An appendix of this report contains the list of test equipment used and calibration information.

IMMUNITY TEST PROCEDURES

EQUIPMENT PLACEMENT

EN 61000-4-2 specifies that a tabletop EUT shall be placed on a non-conducting table 80 centimeters above a ground reference plane and that floor mounted equipment shall be placed on a insulating support approximately 10 centimeters above a ground plane. During the tests, the EUT is positioned over a ground reference plane in conformance with this requirement.

For tabletop equipment, a 1.6 by 0.8 meter metal sheet is placed on the table and connected to the ground plane via a metal strap with two 470 kOhm resistors in series. The EUT and attached cables are isolated from this metal sheet by 0.5 millimeter thick insulating material.

EN 61000-4-3 specifies that a tabletop EUT be placed on a non-conducting table 80 centimeters above a ground reference plane and that floor-mounted equipment shall be placed on an insulating support approximately 10 centimeters above a ground plane. During the EN 61000-4-3 tests, the EUT is positioned in a shielded anechoic test chamber to reduce reflections from the internal surfaces of the chamber.

APPLICATION OF ELECTROSTATIC DISCHARGES

The points of application of the test discharges directly to the EUT are determined after consideration of the parts of the EUT that are accessible to the operator during normal operation. Contact and air discharges are applied to the EUT, contact discharges to conducting surfaces and air-gap discharges to insulating surfaces. Contact discharges are also applied to the coupling planes to simulate nearby ESD events.

APPLICATION OF ELECTROMAGNETIC FIELD

The electromagnetic field is established at the front edge of the EUT. The frequency range is swept through the frequency range of the test using a power level necessary to obtain the required field strength at the EUT. The field is amplitude modulated using a 1KHz or 400Hz sine wave to a depth of 80% for the swept frequency test in accordance with EN 61000-4-3.

The test is repeated with each of the four sides of the EUT facing the field generating antenna. For small, portable products the test is also performed with the top and bottom sides of the EUT facing the antenna.

Appendix A Test Equipment Calibration Data**Radiated Immunity, 80 - 1000 MHz, 24-Feb-10**

<u>Manufacturer</u>	<u>Description</u>	<u>Model</u>	<u>Asset #</u>	<u>Cal Due</u>
EMCO	Antenna, Biconilog Transmitting	3143	180	N/A
Instruments Industry	For Amplifier 0.01 - 250 MHz (500W), 200 - 1000 MHz (100W)	CMX5001	637	N/A
Instruments Industry	For Wideband Amp., 0.01-250 MHz, 15W	5300	638	N/A
Instruments Industry	For Power Supply Control Module	P.S. 5000 / 28 / 40	639	N/A
Instruments Industry	For Wideband Amp., 200-1000 MHz	SMCC100	640	N/A
Werlatone	Directional Coupler, 80-1000 MHz, 40dB, 200W	C3910	917	N/A
Rohde & Schwarz	Power Sensor, 1uW-100mW, DC-18 GHz, 50ohms	NRV-Z51	1069	6/24/2010
Fluke Mfg. Inc.	Attenuator, 6 dB, DC-1 GHz	Y9303	1289	8/20/2010
Rohde & Schwarz	Power Meter, Dual Channel	NRVD	1787	12/4/2010
Agilent	MXG Analog Signal Generator	N5181A	2146	1/22/2011

Radiated Immunity, 1000 - 2700 MHz, 24-Feb-10

<u>Manufacturer</u>	<u>Description</u>	<u>Model</u>	<u>Asset #</u>	<u>Cal Due</u>
EMCO	Antenna, Horn, 1-18 GHz	3115	1242	N/A
Fluke Mfg. Inc.	Attenuator, 6 dB, DC-1 GHz	Y9303	1289	8/20/2010
Werlatone	Directional Coupler, 800-2800 MHz, 30dB, 100w	C6529	1402	N/A
Amplifier Research	Amplifier, 0.8-4.2GHz, 50Watts	50S1G4A	1493	N/A
Rohde & Schwarz	Power Meter, Dual Channel	NRVD	1787	12/4/2010
Holiday Industries	Field Probe, RF, 10 kHz-1000 MHz	HI-4422	1821	6/1/2010
Agilent	MXG Analog Signal Generator	N5181A	2146	1/22/2011

ESD, 24-Feb-10

<u>Manufacturer</u>	<u>Description</u>	<u>Model</u>	<u>Asset #</u>	<u>Cal Due</u>
Elliott Laboratories	ESD, Vertical Plane, 19-3/4 x 19-3/4	ESD, VP, 19-3/4 x 19-3/4	610	N/A
Schaffner	ESD Gun	NSG-435	1491	1/13/2011

Appendix B Test Data Log Sheets

ELECTROMAGNETIC EMISSIONS

TEST LOG SHEETS

AND

MEASUREMENT DATA

T78464 6 Pages



EMC Test Data

Client:	Summit Data Communications	Job Number:	J77268
Model:	SDC-MSD39AG	T-Log Number:	T78464
		Account Manager:	Christine Krebill
Contact:	Jerry Pohmurski		-
Emissions Standard(s):	EN 300 328 v1.7.1/EN 301 893 v1.5.1	Class:	-
Immunity Standard(s):	EN301 489-1 v1.8.1 & EN301 489-17v2.1.1:	Environment:	-

EMC Test Data

For The

Summit Data Communications

Model

SDC-MSD39AG

Date of Last Test: 2/24/2010

Client:	Summit Data Communications	Job Number:	J77268
Model:	SDC-MSD39AG	T-Log Number:	T78464
Contact:	Jerry Pohmurski	Account Manager:	Christine Krebill
Immunity Standard(s):	EN301 489-1 v1.8.1 & EN301 489-17v2.1.1:	Environment:	-

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: 2/24/2010 20:06	Config. Used: 1
Test Engineer: Peter Sales	Config Change: None
Test Location: ESD Lab	EUT Voltage: 230V/50Hz

General Test Configuration

For table-top equipment, the EUT 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. Air discharges were applied to any non-conductive surfaces of the EUT. 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:	42 %
Pressure:	1028 mb

Summary of Results

Run #	Test Performed	Level	Criteria/Result	Comments
1	ESD - Enclosure	+,- 4kV CD	A / Pass	TX Mode
2	ESD - Enclosure	+,- 4kV CD	A / Pass	RX Mode

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.

Client: Summit Data Communications	Job Number: J77268
Model: SDC-MSD39AG	T-Log Number: T78464
Contact: Jerry Pohmurski	Account Manager: Christine Krebill
Immunity Standard(s): EN301 489-1 v1.8.1 & EN301 489-17v2.1.1:	Environment: -

**Run #1: Electrostatic Discharge
TX 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
	2	4	6	8	2	4	6	8
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: An "X" indicates that the unit continued to operate as intended. Ping continued to return with no interruptions.

Note: ND: No discharge was possible due to the lack of a discharge path to ground from the test point.
HCP: Horizontal Coupling Plane. VCP: Vertical Coupling Plane

Note: As the EUT is a module that would be enclosed by a host device, only indirect discharges were performed.

**Run #2: Electrostatic Discharge
RX 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
	2	4	6	8	2	4	6	8
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: An "X" indicates that the unit continued to operate as intended. A spectrum analyser was used to monitor the band between 2400-2483 MHz for any inadvertent transmissions. No transmissions were observed

Note: ND: No discharge was possible due to the lack of a discharge path to ground from the test point.
HCP: Horizontal Coupling Plane. VCP: Vertical Coupling Plane

Note: As the EUT is a module that would be enclosed by a host device, only indirect discharges were performed.

Client:	Summit Data Communications	Job Number:	J77268
Model:	SDC-MSD39AG	T-Log Number:	T78464
Contact:	Jerry Pohmurski	Account Manager:	Christine Krebill
Immunity Standard(s):	EN301 489-1 v1.8.1 & EN301 489-17v2.1.1:	Environment:	-

Run #1: Radiated Immunity, 80 - 2,700 MHz (EN61000-4-3)

TX Mode

Frequency:	80 - 1000 MHz	1 - 2,700 GHz
Step Size:	1 %	1 %
Dwell time:	2874 ms	2874 ms
Field Uniformity:	1.5m x 1.5m	1.5m x 1.0m
Test Distance:	3	2.0

Modulation Details	
Modulating Frequency:	1 kHz
Modulation:	AM
Depth / Deviation:	80%

Frequency Range (MHz)	Level V/m	Front		Left Side		Rear		Right		Top		Bottom	
		Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.
80 - 1000	3	X	X	X	X					X	X		
1000 - 2,700	3	X	X	X	X					X	X		

Test files used for this run:

The following calibration files from O:\EMC Stuff\RI Playback Files\2010\2010-02 80-1000 MHz\3Vm (CMX 5000 for 80-1000)\ were used:

Position A, 1.69m high, 80 MHz - 1000 MHz Horiz 3Vm.crf

Position A, 1.69m high, 80 MHz - 1000 MHz Vert 3Vm.crf

The following calibration files from O:\EMC Stuff\RI Playback Files\2008\Radiated Immunity (9 points) 1-2.7GHz\ were used:

9 point antenna at c' at 1.4m height 1000 MHz - 2700 MHz H 3Vm.crf

9 point antenna at c' at 1.4m height 1000 MHz - 2700 MHz V 3Vm.crf

Note: An "X" indicates that the unit continued to operate as intended. Ping continued to return with no interruptions.

Note: Due to the EUTs small size, the EUT was rotated thru three orientations to represent full exposure.

Client: Summit Data Communications	Job Number: J77268
Model: SDC-MSD39AG	T-Log Number: T78464
Contact: Jerry Pohmurski	Account Manager: Christine Krebill
Immunity Standard(s): EN301 489-1 v1.8.1 & EN301 489-17v2.1.1:	Environment: -

Run #2: Radiated Immunity, 80 - 2,700 MHz (EN61000-4-3)

RX mode

Frequency:	80 - 1000 MHz	1 - 2,700 GHz
Step Size:	1 %	1 %
Dwell time:	2874 ms	2874 ms
Field Uniformity:	1.5m x 1.5m	1.5m x 1.0m
Test Distance:	3	2.0

Modulation Details	
Modulating Frequency:	1 kHz
Modulation:	AM
Depth / Deviation:	80%

Frequency Range (MHz)	Level V/m	Front		Left Side		Rear		Right		Top		Bottom	
		Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.	Vert.	Horiz.
80 - 1000	3	X	X	X	X					X	X		
1000 - 2,700	3	X	X	X	X					X	X		

Test files used for this run:

The following calibration files from O:\EMC Stuff\RI Playback Files\2010\2010-02 80-1000 MHz\3Vm (CMX 5000 for 80-1000)\ were used:

Position A, 1.69m high, 80 MHz - 1000 MHz Horiz 3Vm.crf

Position A, 1.69m high, 80 MHz - 1000 MHz Vert 3Vm.crf

The following calibration files from O:\EMC Stuff\RI Playback Files\2008\Radiated Immunity (9 points) 1-2.7GHz\ were used:

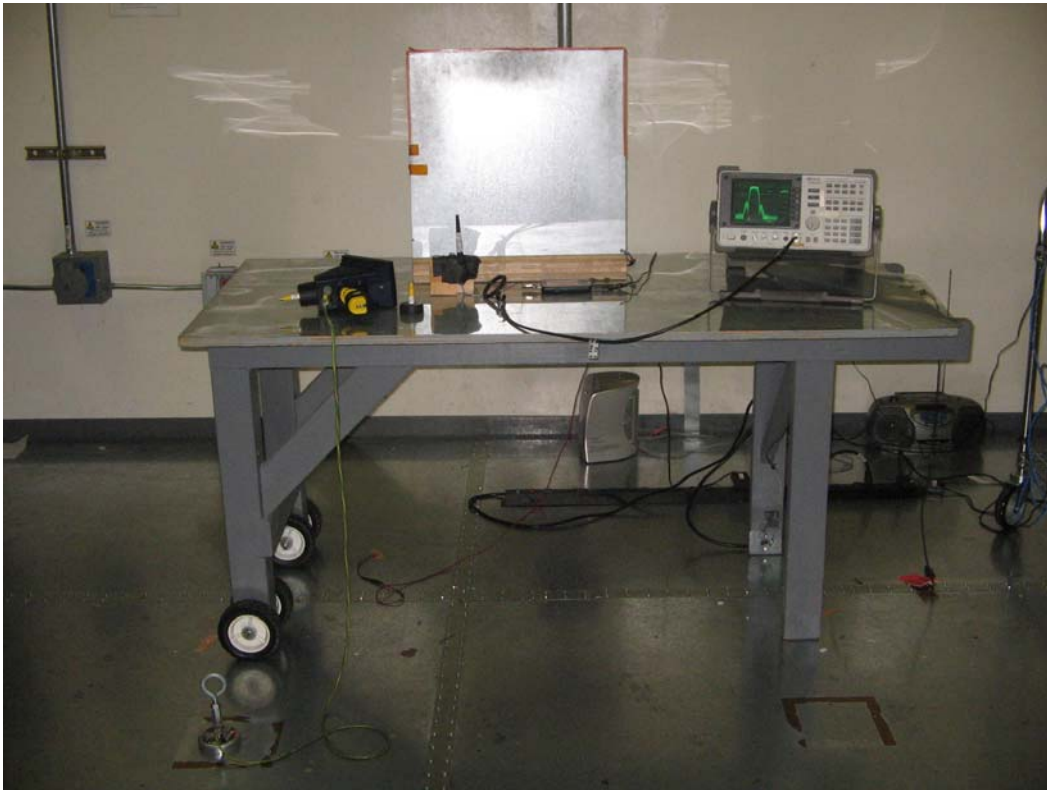
9 point antenna at c' at 1.4m height 1000 MHz - 2700 MHz H 3Vm.crf

9 point antenna at c' at 1.4m height 1000 MHz - 2700 MHz V 3Vm.crf

Note: An "X" indicates that the unit continued to operate as intended. A spectrum analyser was used to monitor the band between 2400-2483 MHz for any inadvertent transmissions. No transmissions were observed

Note: Due to the EUTs small size, the EUT was rotated thru three orientations to represent full exposure.

Appendix C ESD Test Configuration Photographs





Appendix D Radiated Susceptibility Test Configuration Photographs

