16. Radiated Emissions Tests

Test Requirement: FCC Rules: 47CFR Part 15, Subpart B

Test Procedure: ANSI C63.4 - 1992

Date of Test: 26 December 2002

Laboratory: Test Site #2 (Acme, WA)

16.1 Test Equipment

⇒ Spectrum Analyzer (blue): Hewlett-Packard 8566B, Serial Number 2410A00168, Calibrated: 17 April 2002, Calibration Due Date: 17 April 2003

⇒ RF Preselector (blue): Hewlett-Packard 85685A, Serial Number 2648A00519, Calibrated: 17 April 2002, Calibration Due Date: 17 April 2003

⇒ Quasi Peak Adapter (blue): Hewlett-Packard 85650A, Serial Number 2043A00327, Calibrated: 17 April 2002, Calibration Due Date: 17 April 2003

⇒ 1 GHz to 26 GHz Preamplifier: Hewlett Packard HP8449B/H02, Serial Number 2933A00198, Calibrated: 03 May 2001, Calibration Due Date: 03 May 2003

⇒ Loop Antenna (10 kHz – 30 MHz): EMCO 6502, Serial Number 2178 Calibrated: 26 December 2001, Calibration Due Date: 26 December 2002

⇒ Biconical Antenna (blue) (20 MHz to 200 MHz): EMCO 3110, Serial Number 1180, Calibrated: 14 June 2002, Calibration Due Date: 14 June 2003

⇒ Log Periodic Antenna (red) (200 MHz to 1000 MHz): EMCO 3146, Serial Number 9008-2853, Calibrated: 05 August 2002, Calibration Due Date: 05 August 2003

⇒ Double Ridge Guide Horn Antenna: (1 GHz to 18 GHz): EMCO 3115, Serial Number 9807-5534, Calibrated: 16 September 2002, Calibration Due Date: 16 September 2003

⇒ Turntable: Rothenbuhler Engineering, Custom, No Calibration Required

⇒ Turntable Position Controller: EMCO 1051, Serial Number 9002-1457, No Calibration Required

⇒ Antenna Mast and Controller: EMCO 1061, Serial Number 9003-1440, No Calibration Required

⇒ Open Area Test Site: Acme Testing Co., Test Site Number 2, Calibrated: 22 June 2002, Calibration Due Date: 22 June 2003

16.2 Purpose

The purpose of this test was to evaluate the radiated electromagnetic interference characteristics of the EUT.

16.3 Test Procedures

The EUT was placed on a 1 meter long by 1.5 meters wide by 0.8 meter high nonconductive table that was placed directly onto a flush mounted turn table. The EUT was connected to its associated peripherals with any excess I/O cabling bundled to approximately 1 meter.

With the EUT operating in "Receive" mode, emissions from the EUT were maximized by manipulating the cables, and by adjusting the polarization and height of the Detection System's receive antenna and rotating the EUT on the turntable.

Note: During Testing, the EUT's antennas were oriented in accordance with the manufacturer's installation requirement.

Radiated Emissions Test Characteristics	
Frequency range	30 MHz - 5000 MHz
Test distance	3 m
Test instrumentation resolution bandwidth	120 kHz (30 Mhz – 1 GHz); 1 MHz (1 GHz – 5 GHz)
Receive antenna scan height	1 m - 4 m
Receive antenna polarization	Vertical/Horizontal

16.4 Test Results

A summary of the highest amplitude Radiated Emission is listed below:

FCC RULES: 47CFR PART 15 SUBPART SECTION 15.109 CLASS B (CISPR LIMITS)
(30 MHz – 5000 MHz) 60 Hz/120 VAC

EUT IN RECEIVE MODE

No	EMISSION FREQUENCY MHz	SPEC LIMIT dBuV/m	MEASUREMENTS ABS	dLIM dB	MODE	POL	SITE HGT cm	AZM deg	CORR FACTOR dB
1	133.734	43.5	35.4	-8.1	QP	V	107	237	16.3
2	205.743	43.5	37.6	-5.9	QP	H	144	100	14.3
3	212.385	43.5	40.6	-2.9	QP	H	184	123	14.2
4	464.517	46.0	37.9	-8.1	QP	H	100	285	22.3
5	497.709	46.0	38.7	-7.3	QP	H	100	304	23.2
6	564.052	46.0	42.0	-4.0	QP	H	185	153	24.5

Only the 6 (six) highest amplitude radiated emissions are listed above.

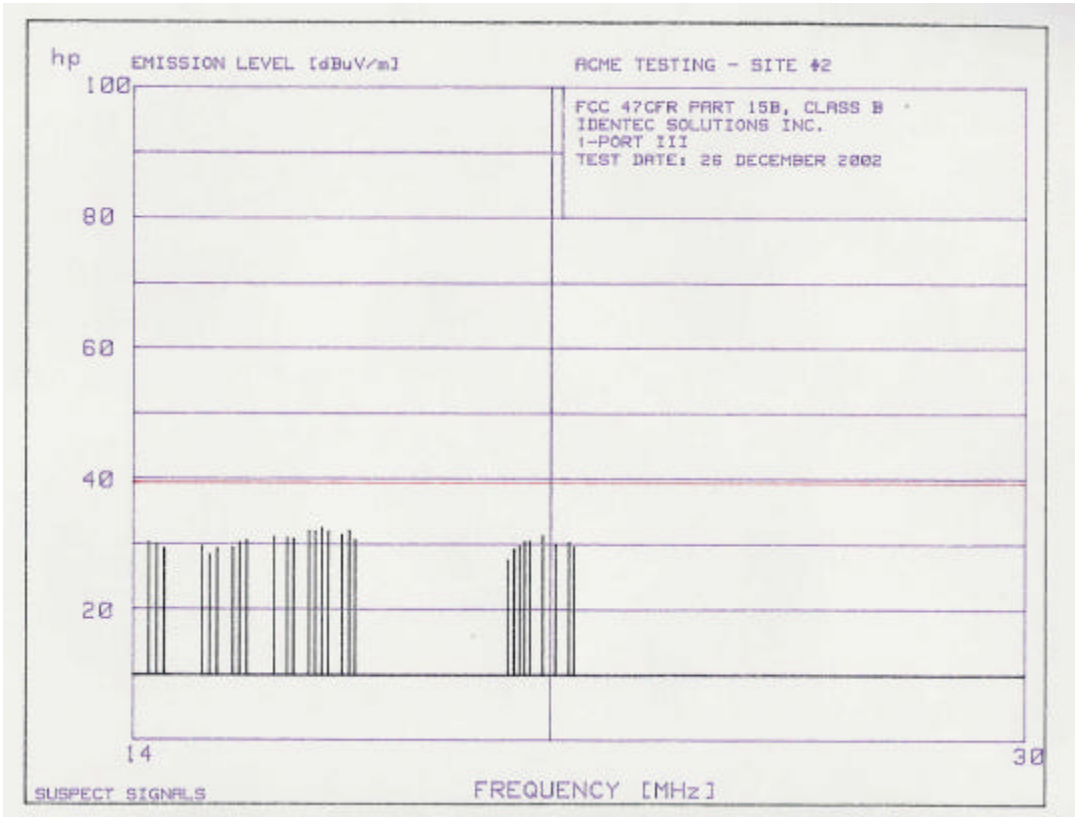
The EUT complied with the Class B Radiated Emissions Limits specified in 47CFR Part 15 Subpart B Section 15.109.

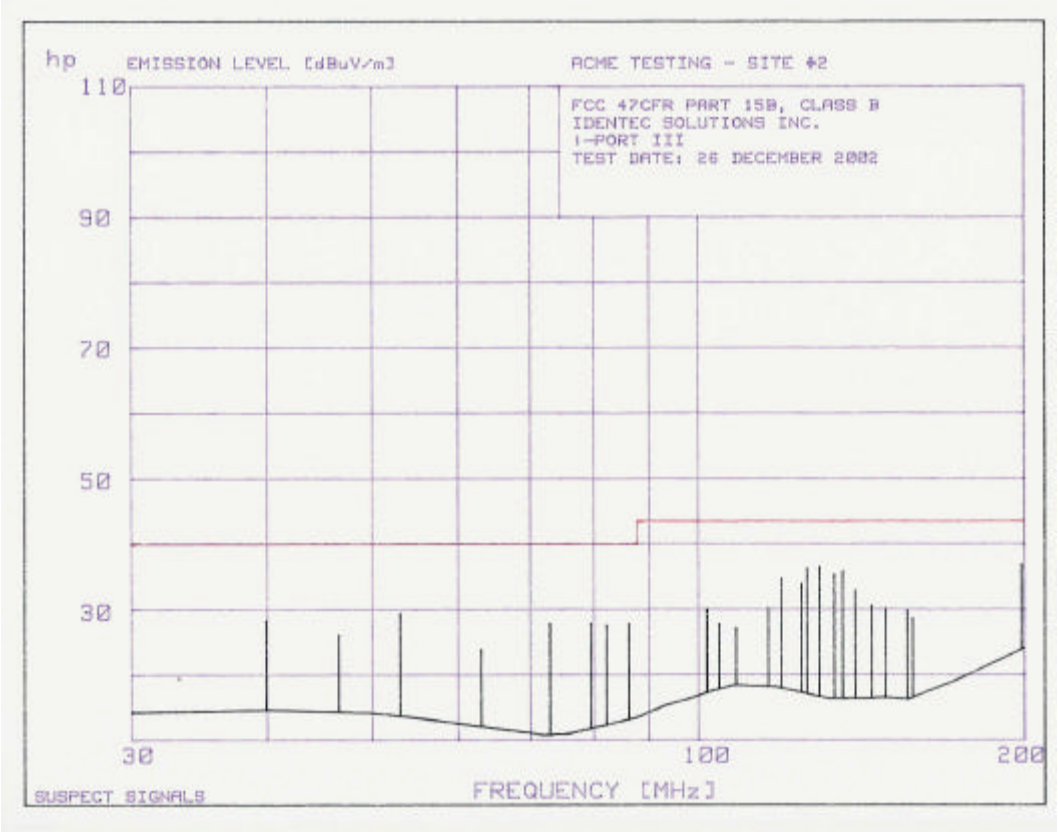
ACME TESTING - SITE #2 26 Dec 1902 13:40:25
ALL SUSPECTS

	No	FREQ MHz	BND	PEAK LIM	PEAK ABS	ANT P cm	AZ deg	COMMENTS
	1	14.192	22	-9	30.3	V150	189	
	2	14.287	22	-9	30.0	V150	189	
	3	14.378	22	-10	29.3	V150	189	
	4	14.858	22	-10	29.7	V150	189	
	5	14.949	22	-11	28.4	V150	189	
	6	15.043	23	-10	29.3	V150	189	
	7	15.246	23	-10	29.5	V150	189	
	8	15.340	23	-9	30.3	V150	189	
	9	15.429	23	-9	30.6	V150	189	
	10	15.796	24	-8	31.1	V150	189	
	11	15.974	24	-9	30.9	V150	189	
	12	16.064	24	-9	30.7	V150	189	
	13	16.273	24	-7	32.0	V150	189	
	14	16.364	24	-8	31.9	V150	189	
	15	16.454	24	-7	32.5	V150	189	
	16	16.551	24	-8	31.9	V150	189	
	17	16.744	24	-8	31.4	V150	189	
	18	16.844	24	-7	32.1	V150	189	
	19	16.933	24	-9	30.7	V150	189	
	20	19.293	25	-12	27.5	V150	189	
	21	19.395	25	-10	29.2	V150	189	
	22	19.487	25	-10	29.7	V150	189	
	23	19.573	25	-9	30.4	V150	189	
	24	19.659	25	-9	30.5	V150	189	
	25	19.873	25	-8	31.3	V150	189	
	26	20.09	26	-9	30.1	V150	189	
	27	20.32	26	-9	30.3	V150	189	
	28	20.41	26	-10	29.6	V150	189	
	29	39.92	27	-12	28.3	V107	274	
	30	46.60	27	-14	26.1	V107	272	
	31	53.125	27	-11	29.4	V107	315	
	32	63.16	27	-16	23.9	V107	278	
	33	73.016	27	-12	27.9	V107	31	
	34	79.64	27	-12	27.9	V107	246	
	35	82.34	27	-12	27.6	V107	246	
	36	86.30	27	-12	27.8	V107	246	
	37	101.988	27	-13	30.0	V107	224	
	38	104.719	27	-16	27.8	V107	245	
	39	108.43	27	-16	27.2	V107	245	
	40	116.20	27	-13	30.2	V107	245	
	41	119.49	27	-9	34.7	V107	240	
	42	124.64	27	-10	34.0	V107	240	
	43	126.15	27	-7	36.3	V107	240	
	44	129.54	27	-7	36.6	V107	240	
*	45	133.734	27	-5	38.1	V107	237	
	46	136.033	27	-8	35.9	V107	240	
	47	139.684	27	-11	33.0	V107	240	
	48	144.734	27	-13	30.6	V107	240	
	49	149.022	27	-13	30.1	V107	209	
	50	156.013	27	-14	29.8	V107	209	
	51	157.89	27	-15	28.7	V107	217	
	52	199.091	27	-7	36.9	V107	260	
	53	202.46	28	-9	34.1	H142	100	
*	54	205.743	28	-3	40.0	H144	100	

	55	209.10	28	-9	34.0	H142 100
*	56	212.385	28	-2	41.4	H184 123
	57	219.05	28	-15	30.7	H143 98
	58	222.37	28	-15	30.6	H143 98
	59	225.66	28	-10	36.1	H143 98
	60	232.35	28	-12	33.7	H143 98
	61	265.51	28	-13	32.7	H118 93
	62	282.25	28	-14	32.2	H118 93
	63	315.63	28	-14	32.4	H100 145
	64	331.82	28	-15	31.4	H100 150
	65	345.19	28	-14	31.7	H100 150
	66	365.0	28	-13	33.2	H100 153
	67	448.5	28	-12	34.3	H100 72
	68	451.277	28	-7	39.0	H100 284
	69	454.60	28	-8	37.9	H100 284
*	70	464.517	28	-6	39.8	H100 285
	71	471.0	28	-11	35.2	H100 285
*	72	497.709	28	-6	40.0	H100 304
	73	551.1	28	-10	36.4	H100 285
	74	554.4	28	-10	36.3	H100 285
*	75	564.052	28	-3	43.0	H185 153
	76	577.8	28	-12	34.1	H100 150
	77	581.2	28	-10	35.6	H100 150

* denotes a Final List signal

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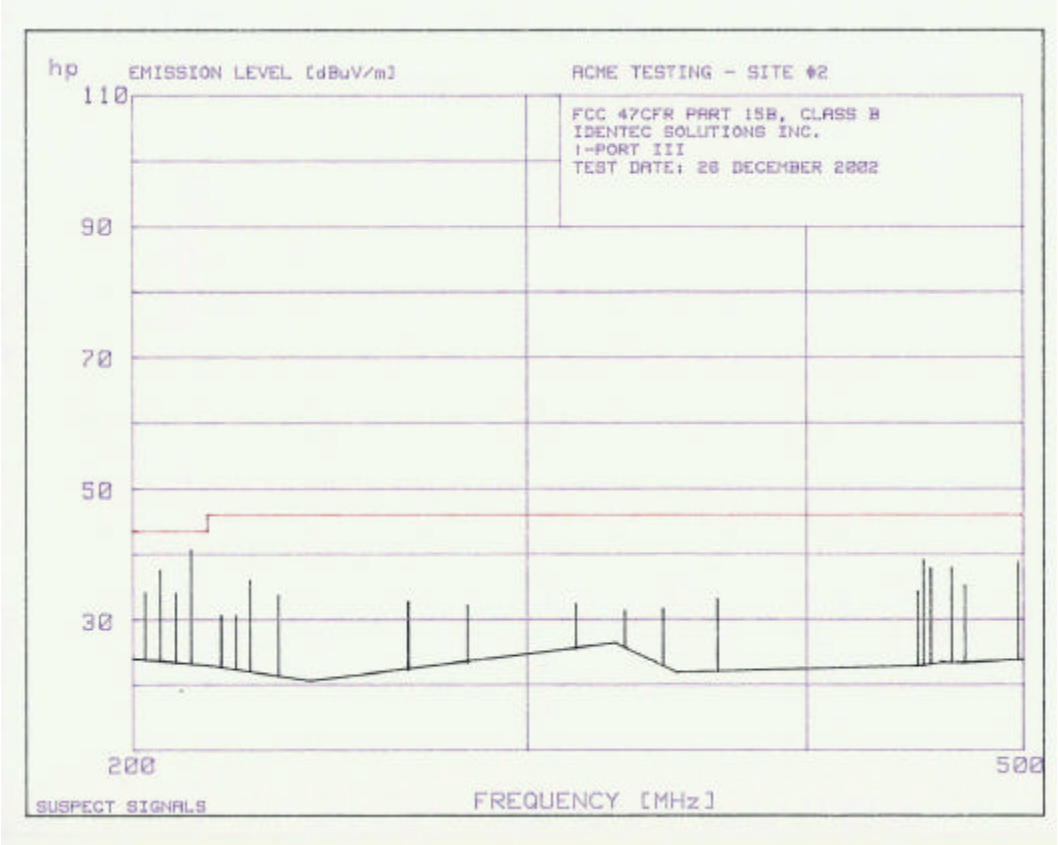
EMISSION LEVEL [dBuV/m]
ACME TESTING - SITE #2
FCC 47CFR PART 15B, CLASS B
IDENTEC SOLUTIONS INC.
i-PORT III
TEST DATE: 26 DECEMBER 2002
110
90
70
50
30
30
100
200
FREQUENCY [MHz]
SUSPECT SIGNALS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ACME TESTING - SITE #2
FCC 47CFR PART 15B, CLASS B
IDENTEC SOLUTIONS INC.
i-PORT III
TEST DATE: 26 DECEMBER 2002
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90
70
50
30
200
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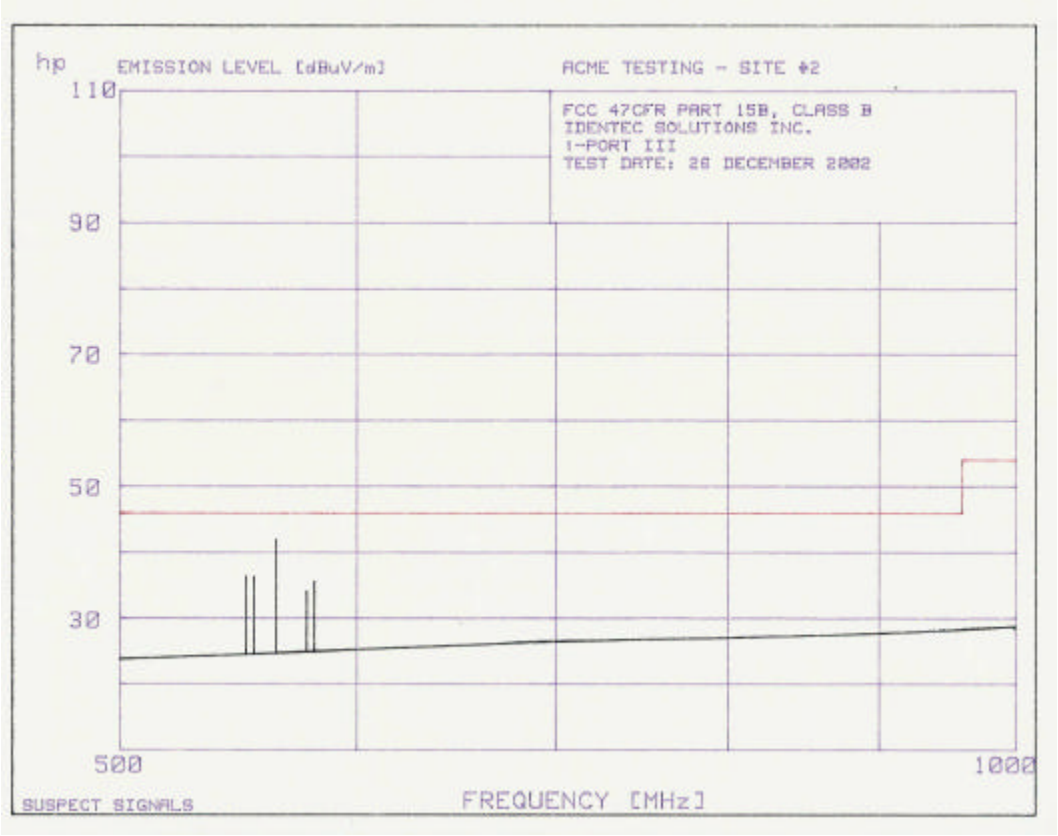
FREQUENCY [MHz]
SUSPECT SIGNALS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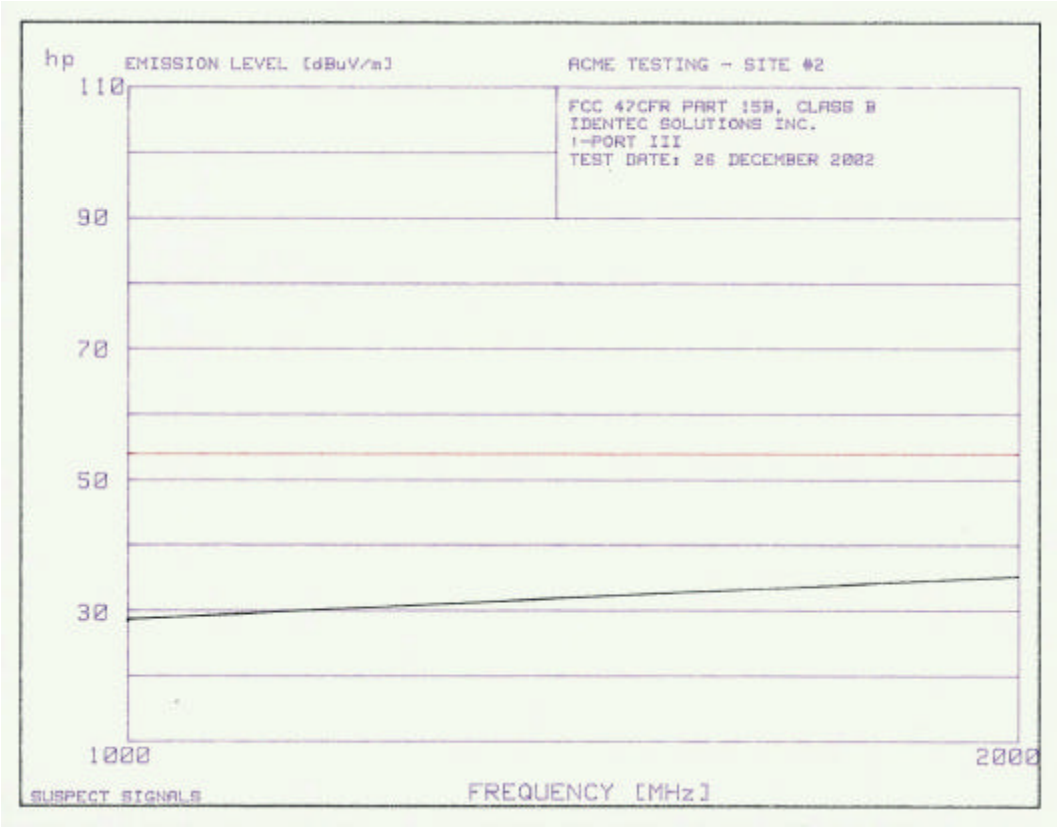
EMISSION LEVEL [dBuV/m]
ACME TESTING - SITE #2
FCC 47CFR PART 15B, CLASS B
IDENTEC SOLUTIONS INC.
i-PORT III
TEST DATE: 26 DECEMBER 2002
110
90
70
50
30
500
1000
SUSPECT SIGNALS
FREQUENCY [MHz]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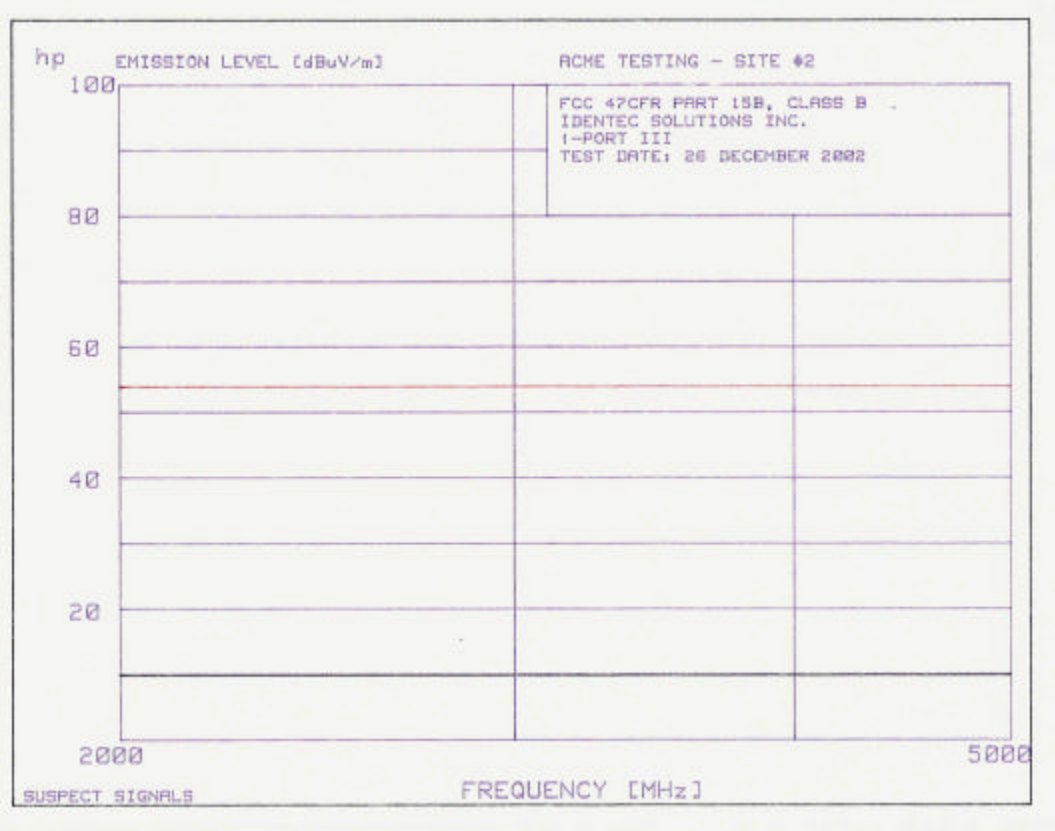
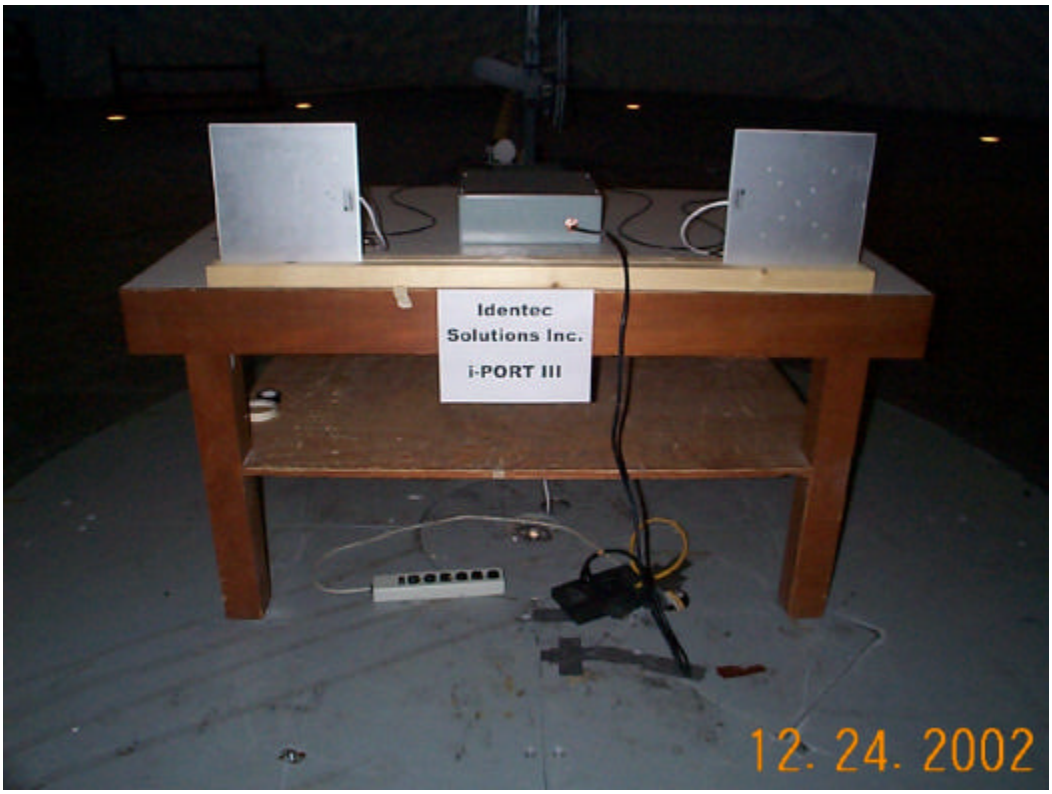
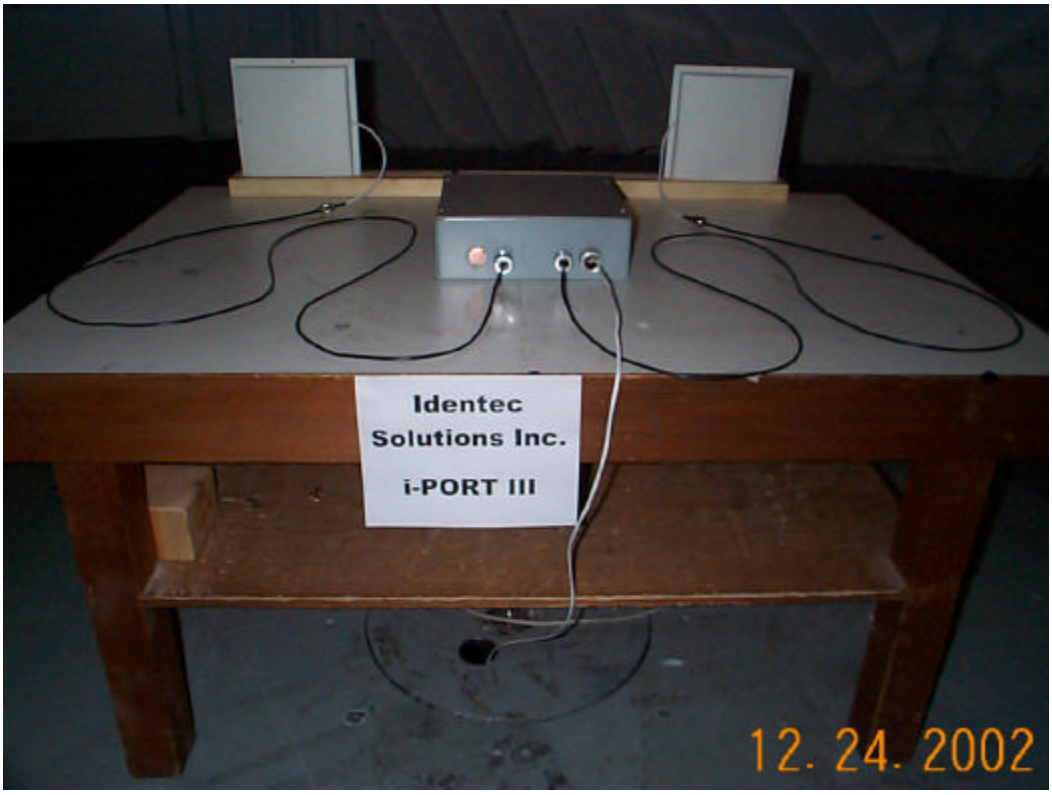
EMISSION LEVEL [dBuV/m]
ACME TESTING - SITE #2
FCC 47CFR PART 15B, CLASS B
IDENTEC SOLUTIONS INC.
i-PORT III
TEST DATE: 26 DECEMBER 2002
110
90
70
50
30
1000
2000
SUSPECT SIGNALS
FREQUENCY [MHz]

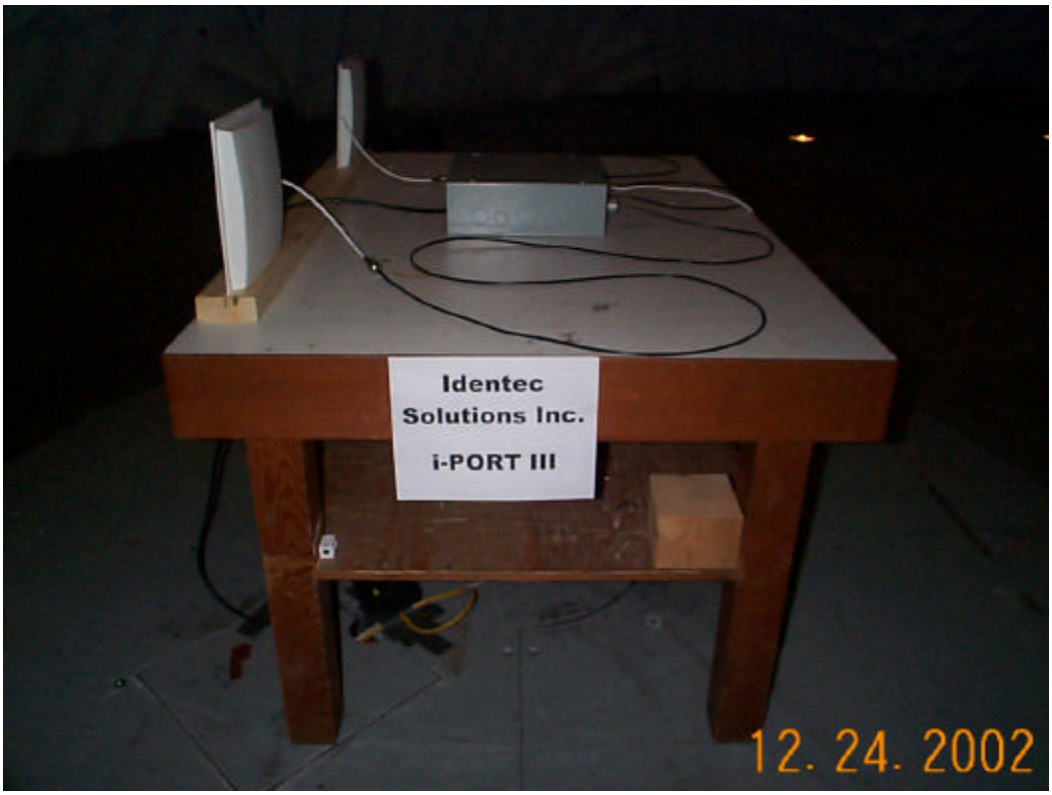

hp
EMISSION LEVEL [dBuV/m]
ACME TESTING - SITE #2
FCC 47CFR PART 15B, CLASS B
IDENTEC SOLUTIONS INC.
i-PORT III
TEST DATE: 26 DECEMBER 2002
100
80
60
40
20
2000
5000
SUSPECT SIGNALS
FREQUENCY [MHz]

16.5 Test Setup Photographs



2002 Valley Highway PO Box 3 Acme WA 98220-0003
phone:888 226-3837 fax: 360 595-2722





17. Spurious Emission At Antenna Terminals

Test Requirement: FCC Rules: 47CFR Part 15, Subpart B, Section 15.111

Test Procedure: ANSI C63.4 - 1992

Date of Test: 26 December 2002

Laboratory: Test Site #2 (Acme, WA)

17.1 Test Requirement (Section 15.111)

In addition to the radiated emissions limits, receivers that operate (tune) in the frequency range 30 to 960 MHz and CB receivers that provide terminals for the connection of an external receiving antenna may be tested to demonstrate compliance with the provisions of 15.109 with the antenna terminals shielded and terminated with a resistive termination equal to the impedance specified for the antenna, provided these receivers also comply with the following: With the receiver antenna terminal connected to a resistive termination equal to the impedance specified or employed for the antenna, the power at the antenna terminal at any frequency within the range of measurements specified in 15.33 shall not exceed 2.0 nanowatts.

CB receives and receivers that operate (tune) in the frequency range of 30 to 960 MHz that are provided only with a permanently attached antenna shall comply with the radiated emission limitations in this part, as measured with the antenna attached.

17.2 Test equipment

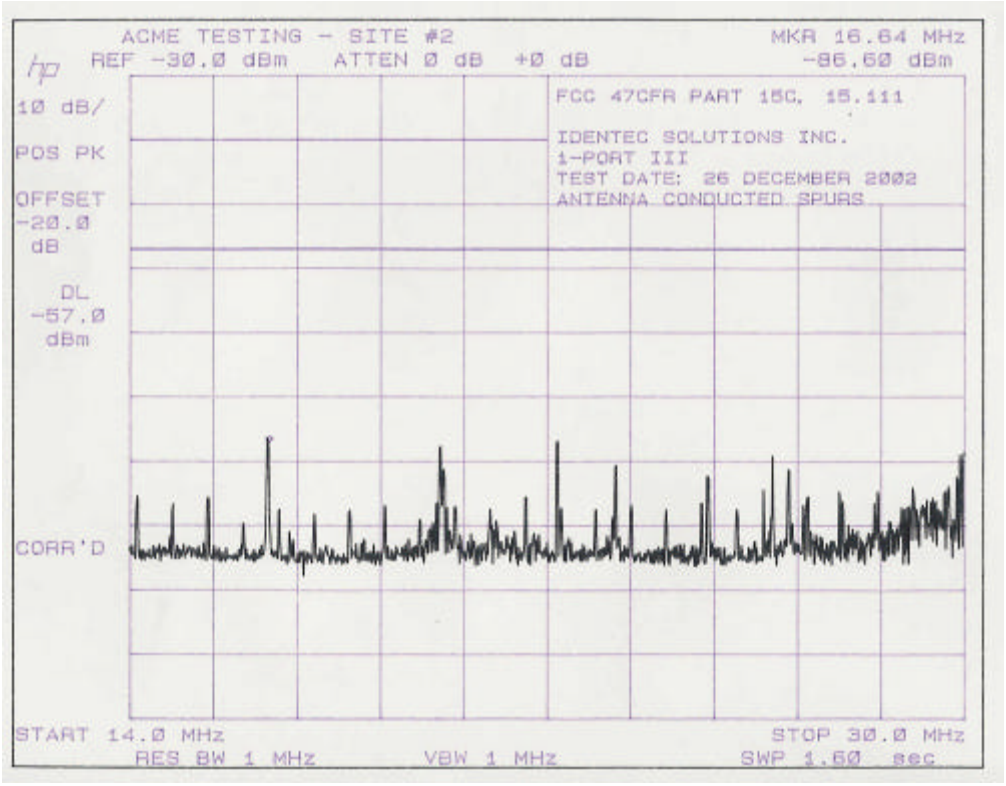
⇒ Spectrum Analyzer (blue): Hewlett-Packard 8566B, Serial Number 2410A00168, Calibrated: 17 April 2002, Calibration Due Date: 17 April 2003

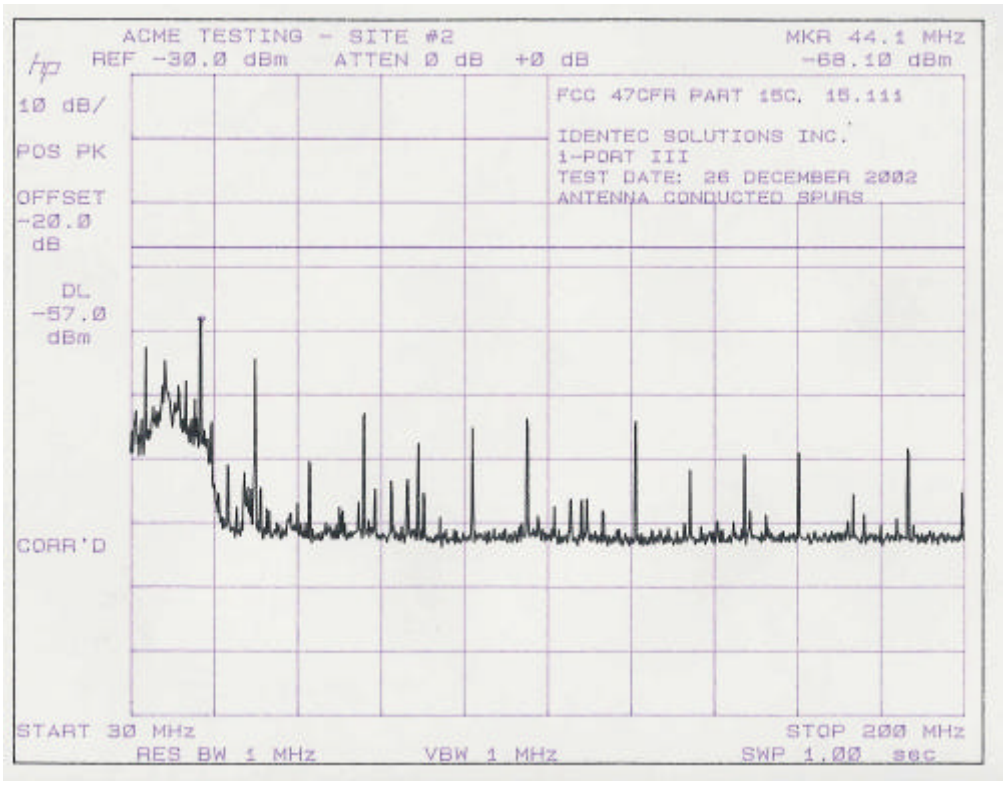
⇒ RF Preselector (blue): Hewlett-Packard 85685A, Serial Number 2648A00519, Calibrated: 17 April 2002, Calibration Due Date: 17 April 2003

⇒ Quasi Peak Adapter (blue): Hewlett-Packard 85650A, Serial Number 2043A00327, Calibrated: 17 April 2002, Calibration Due Date: 17 April 2003

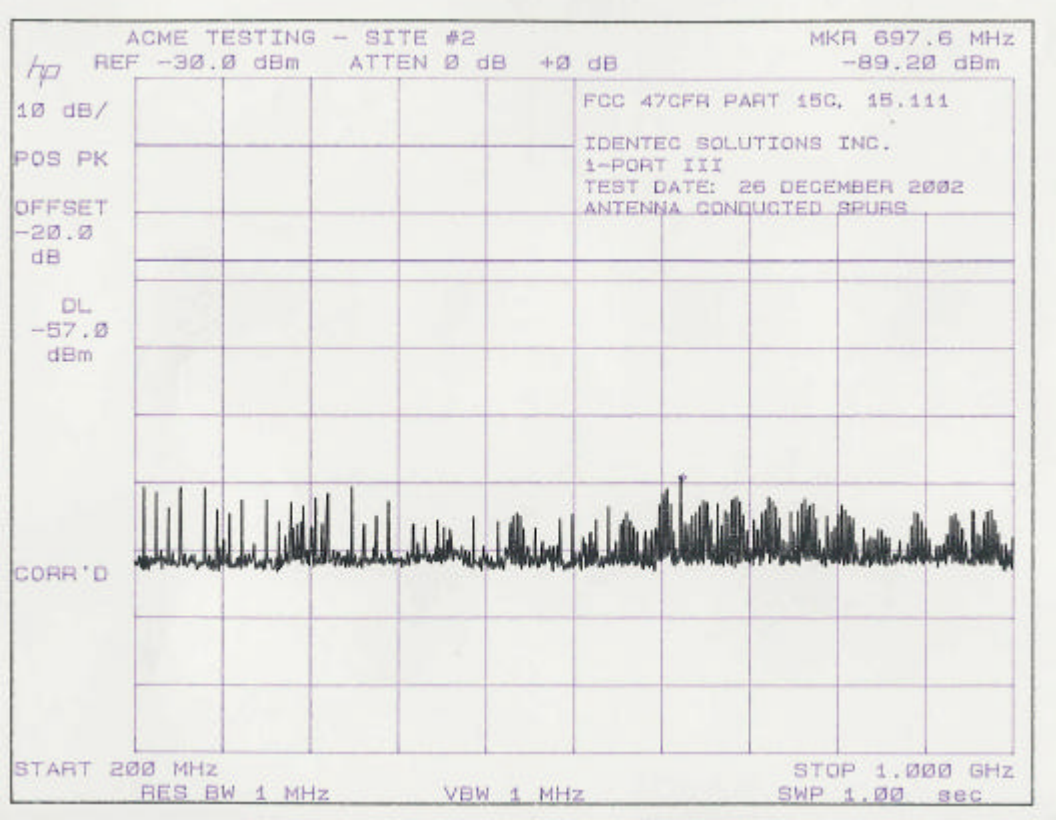
17.3 Test Results

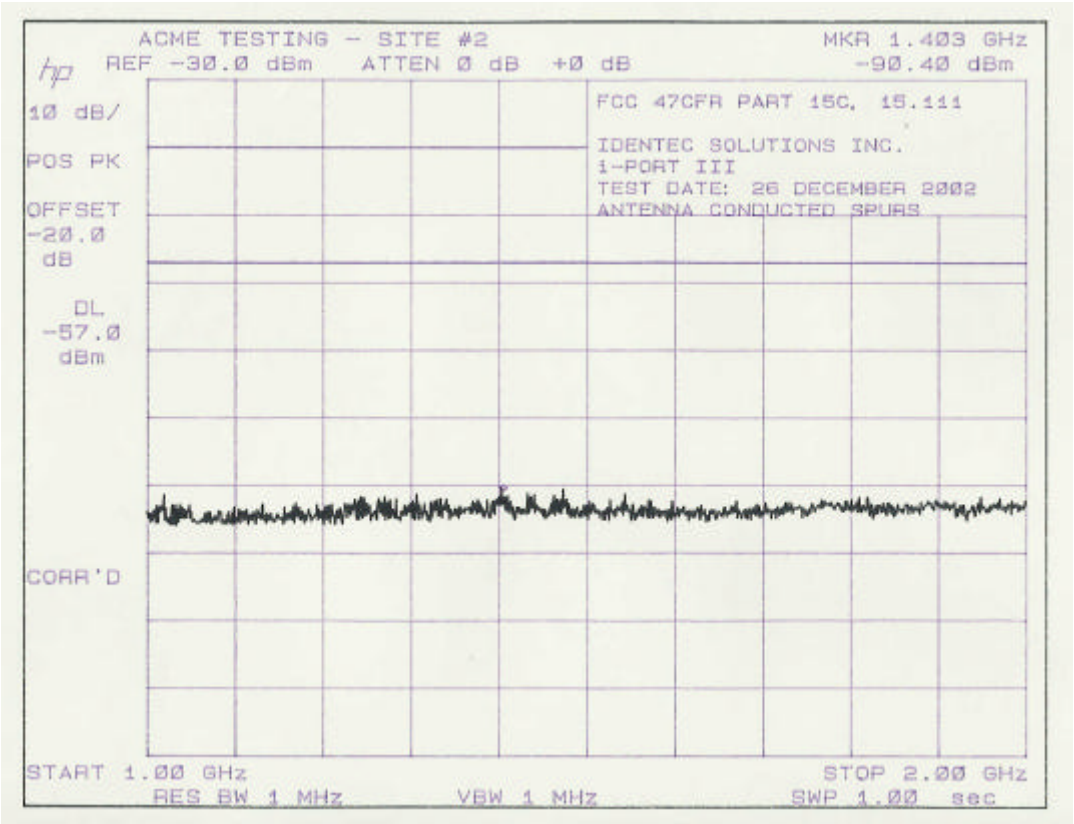
The EUT complied with the Spurious Emissions at the antenna terminals limit of 2.0 Nanowatts (-57.0 dBm) specified in 47 CFR Part 15 Section 15.111(a).

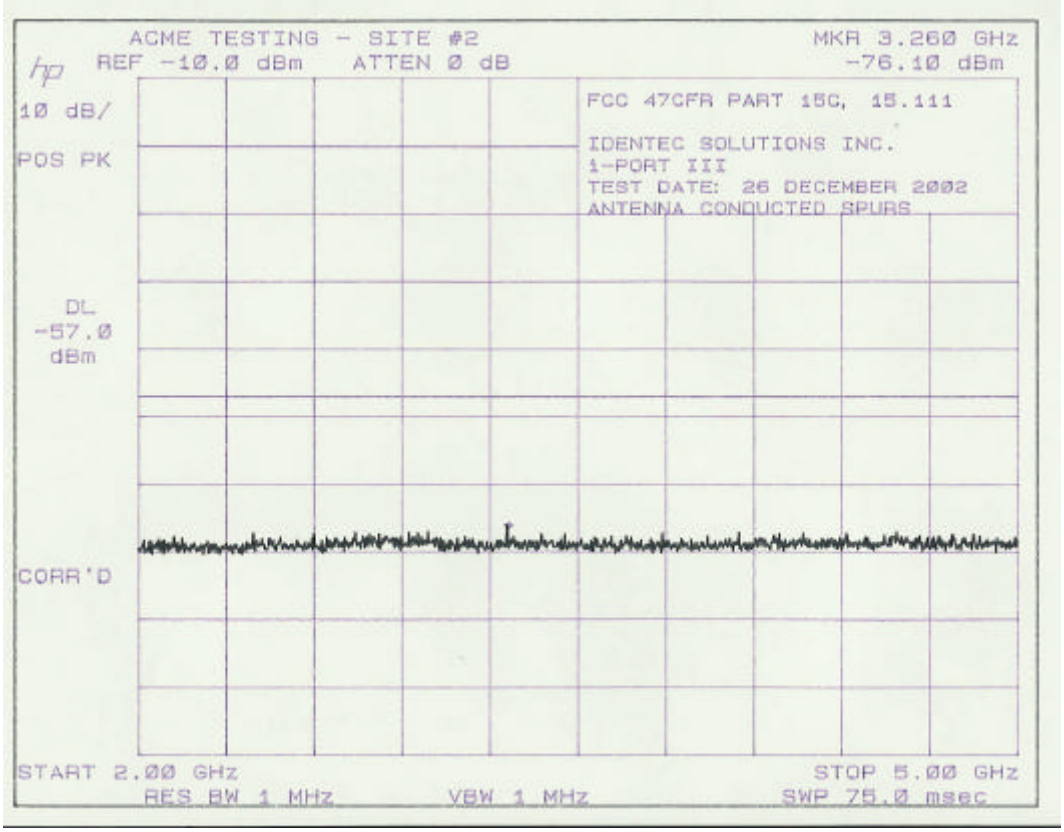




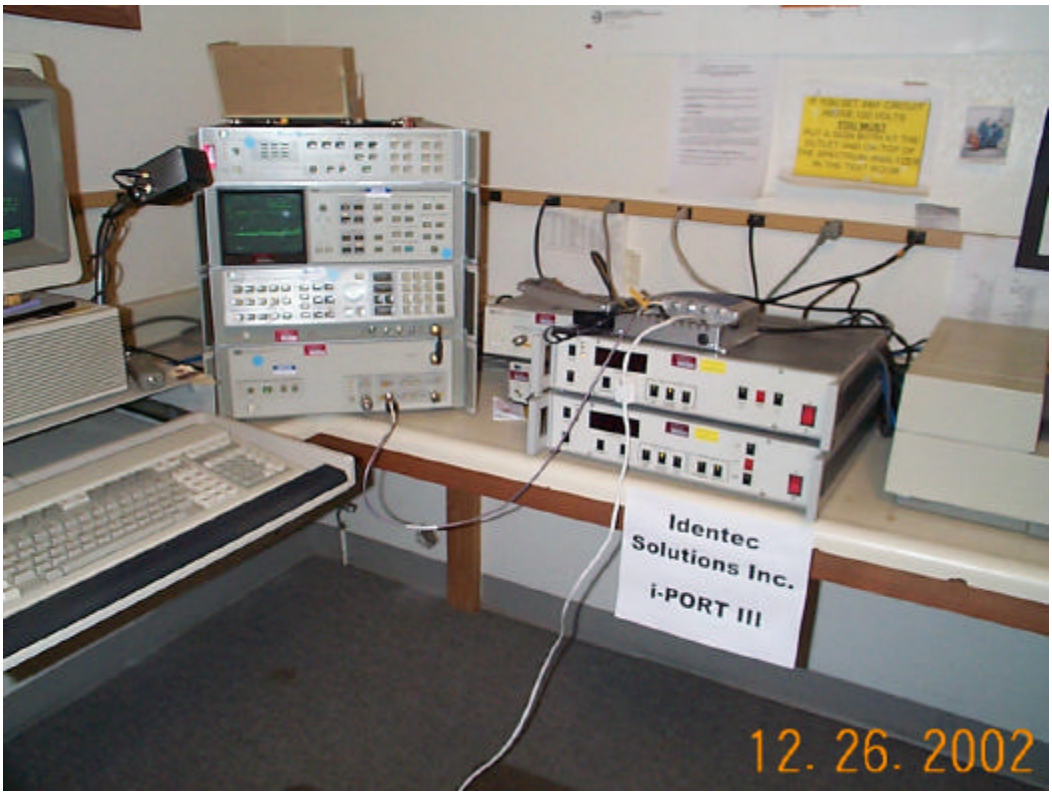
2002 Valley Highway PO Box 3 Acme WA 98220-0003
phone:888 226-3837 fax: 360 595-2722







17.4 Test Setup Photographs



18. Miscellaneous Comments and Notes

None.

19. Informative Information

American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025-1999

ACME TESTING CO.
Site # 1 and Site # 2
P.O. Box 3,
2002 Valley Highway
Acme, WA 98220-0003
Harry H. Hodes Phone: 360 595 2785

ELECTRICAL (EMC)

Valid to: November 30, 2003 Certificate Number: 0829-01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Electromagnetic Compatibility (EMC) tests:

Test Technology	Test Method(s)
Basic Test Method Standards (Emissions):	
Conducted & Radiated:	ANSI C63.4-1992 & ANSI C63.4-2000; EIA/TIA-603:1993 & TIA/EIA-603:2001; FCC OET MP-5:1986; CISPR 11:1991 & EN 55011:1992; CISPR 11:1997 + A1:1999 & EN 55011:1998 + A1:1999; CISPR 13:1996 + A1:1998; CISPR 13:2001 & EN 55013:2001 & EN 55013:1990 + A12:1994 + A13:1996 + A14:1999 CISPR 14-1:1993 + A1:1996 + A2:1998 & EN 55014-1:1993 + A1:1997 + A2:1999; CISPR 14-1:2000 + A1:2001 & EN 55014-1:2000 + A1:2001 CISPR 22:1993 + A1:1995 + A2:1996 & EN 55022:1994 + A1:1995 + A2:1997; CISPR 22:1997 + A1:2000 & EN 55022:1998 + A1:2000;
Harmonic Current:	IEC 61000-3-2:1995+A1:1997+A2:1998 & IEC 61000-3-2:2000 & EN 61000-3-2:1995+A1,A2:1998+A14:2000; IEC 61000-3-2:2000 & EN 61000-3-2:2000
Voltage Fluctuations & Flicker	IEC 61000-3-3:1994+ A1:2001 & EN 61000-3-3:1995+A1:2001
Basic Test Method Standards (Immunity):	
Audio Frequency Common Mode	IEC 61000-2-1:1990; IEC 61000-2-2:2002
Electrostatic Discharge (ESD):	IEC 801-2:1991; IEC 1000-4-2:1995; IEC 61000-4-2:1995 + A1:1998 + A2:2001; EN 61000-4-2:1995 + A1:1998 + A2:2001;
Radiated RF Fields:	IEC 801-3:1984; ENV 50140:1994; IEC 1000-4-3:1995 & IEC 61000-4-3:1995; EN 61000-4-3:1996 + A1:1998; ENV 50204:1995;
Electrical Fast Transient/Burst:	IEC 801-4:1998; IEC 1000-4-4:1995; IEC 61000-4-4:1995; EN 61000-4-4:1995;

(A2LA Cert. No. 829.01) 05/08/02 Page 1 of 4

5301 Buckeystown Pike, Suite 350 • Frederick, MD 21704-8373 • Phone: 301-644 3248 • Fax: 301-662 2974

Test Technology	Test Method(s)
Surge:	IEC 801-5(D):1992 (*single phase only, and excluding 10/700 surge testing*); ENV 50142:1994 (*single phase only, and excluding 10/700 surge testing*); IEC 1000-4-5:1995 (*single phase only,and excluding 10/700 surge testing*); IEC 61000-4-5:1995 (*single phase only, and excluding 10/700 surge testing*); EN 61000-4-5:1995 (*single phase only, and excluding 10/700 surge testing*);
RF Common Mode (Conducted):	ENV 50141:1994; IEC 1000-4-6:1996; IEC 61000-4-6:1996; EN 61000-4-6:1996;
Power Frequency Magnetic Fields:	IEC 1000-4-8:1994; IEC 61000-4-8:1994; EN 61000-4-8:1994; IEC 61000-4-8:2001
Voltage Dips, Short Interruptions, & Variations:	IEC 1000-4-11:1994; IEC 61000-4-11:1994; EN 61000-4-11:1994;

Generic & Product Family Standards:

47 U.S. Code of Federal Regulations (47 CFR) FCC Methods, as follows:
Part 15 (using ANSI C63.4-1992 & ANSI C63.4-2000); &
Part 18 (using FCC OET MP-5:1986);

ICES-003 Issue 2 Revision 1;

CNS 13438:1997; CNS 13439:1994;

Bellcore [Telcordia] GR-1089-CORE Issue 2 Revision 1:1999
(*Sections 2, 3, 4.5.9, 4.5.10 [1st level surge only],9.10.5, & 9.10.6 Only*);

AS/NZS 2064:1997; AS/NZS 3548:1995;
AS/NZS 4251.1:1994; AS/NZS 4252.1:1994;
AS/NZS 4268.2:1995

EN 50081-1:1992; EN 50081-2:1993; EN 50082-1:1997; EN 50082-2:1995;
IEC 61000-6-1:1997 & EN 61000-6-1:2001
IEC 61000-6-2:1999 & EN 61000-6-2:1999 & EN 61000-6-2:2001
IEC 61000-6-3:1996 & EN 61000-6-3:2001
IEC 61000-6-4:1997 & EN 61000-6-4:2001

EN 50083-2:1995 + A1:1997; EN 50091-2:1995;
EN 50130-4:1995 + A1:1998, EN 50199:1995; EN 50270:1999;
EN 50293:2000;

CISPR 11:1991 & EN 55011:1992;
CISPR 11:1997 + A1:1998 & EN 55011:1998 + A1:1999;
CISPR 13:1996 + A1:1998
& EN 55013:1990 + A12:1994 + A13:1996 + A14:1999
CISPR 13:2001 & EN 55013:2001;
CISPR 14-1:1993 + A1:1996 + A2:1998
& EN 55014-1:1993 + A1:1997 + A2:1999;
CISPR 14-1:2000 + A1:2001 & EN 55014-1:2000 + A1:2001
CISPR 14-2:1997 & EN 55014-2:1997

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Test Technology	Test Method(s)
Generic & Product Family Standards:	
	CISPR 22:1993 + A1:1995 + A2:1996
	& EN 55022:1994 + A1:1995 + A2:1997;
	CISPR 22:1997 + A1:2000 & EN 55022:1998 + A1:2000;
	CISPR 24: 1997 + A1:2001 & EN 55024:1998 + A1:2001
	EN 55103-1:1996; EN 55103-2:1996;
	IEC 60521:1988 & EN 60521:1995;
	IEC 60555-2:1991 & EN 60555-2:1993;
	IEC 60555-3:1990 & EN 60555-3:1991;
	EN 60601-1-2:1984 *(EMC Requirements Only)*;
	IEC 60601-1-2:2001 (2nd Edition) *(EMC Requirements Only)*
	& EN 60601-1-2:2001 (2nd Edition) *(EMC Requirements Only)*
	IEC 60687:1992 & EN 60687:1992;
	IEC 60870-2-1:1995 & EN 60870-2-1:1996
	IEC 60945:1996 (*Clauses 9, 10, 11.2, 12.2, & 12.3 Only*),
	& EN 60945:1996 (*Clauses 9, 10, 11.2, 12.2, & 12.3 Only*);
	IEC 61000-3-2:1995+A1:1997+A2:1998
	& EN 61000-3-2:1995+A1,A2:1998+A14:2000;
	IEC 61000-3-2:2000 & EN 61000-3-2:2000;
	IEC 61000-3-3:1994 + A1:2001 & EN 61000-3-3:1995 + A1:2001;
	IEC 61036:1996 + A1:2000 & EN 61036:1996 + A1:2000;
	IEC 61131-2:1992 & EN 61131-2:1994 + A11:1996 + A12:2000;
	IEC 61204-3:2000 & IEC 61204-3:2000;
	IEC 61268:1995 & EN 61268:1996;
	IEC 61326:1997 + A1:1998 + A2:2000
	& EN 61326:1997 + A1:1998 + A2:2000;
	IEC 61800-3:1996 & EN 61800-3:1996 + A11:2000;
	EN 300 339:1998
	EN 300 386 V1.3.1(09-2001),
	EN 301 489-01 (09-2001)
	ETS 300 683:1997
	EN 301 489-03 (11-2001)
	EN 300 385:1999
	EN 301 489-04 (07-2000)
	EN 300 279:1999
	EN 301 489-05 (07-2000)
	EN 301 489-09 (09-2000)
	ETS 300 684:1997
	EN 301 489-15 (09-2000)
	EN 301 489-22 (11-2000)

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2002 Valley Highway PO Box 3 Acme WA 98220-0003
phone:888 226-3837 fax: 360 595-2722

Radio Test Standards:

47 U.S. Code of Federal Regulations (47 CFR) FCC Methods, as follows:
Part 15 (using ANSI C63.4-1992 & ANSI C63.4-2000), &
Part 90 (using ANSI C63.4-1992, ANSI C63.4-2000, & TIA/EIA-603);

Industry Canada, as follows:
RSS-119 Issue 6: March 2000;
RSS-125 Issue 2: August 1996;
RSS-210 Issue 4: December 2000;

European Union [EU] & European Economic Area [EEA], as follows:
EN 300 086-1 V.1.2.1 (2001-03) & EN 300 086-2 V.1.2.1 (2001-02);
EN 300 113-1 V1.3.1 (2001-03) & EN 300 113-2 V1.3.1 (2001-03);
EN 300 219-1 V1.2.1 (2001-03) & EN 300 219-2 V1.2.1 (2001-03);
EN 300 220-1 V1.3.1 (2000-09) & EN 300 220-2 V1.3.1 (2000-09)
& EN 300 220-3 V1.1.1 (2000-03);
EN 300 296-1 V1.1.1 (2001-03) & EN 300 296-2 V1.1.1 (2001-02);
EN 300 330-1 V1.3.1 (2001-06) & EN 300 330-2 V1.1.1 (2001-06);
EN 300 422-1 V1.2.1 (2000-08) & EN 300 422-2 V1.1.1 (2000-08);
EN 300 440-1 V1.3.1 (2001-09) & EN 300 440-2 V1.1.1 (2001-09);
EN 301 751 V1.2.1 (2000-12);
EN 301 753 V1.1.1 (2001-03);
EN 301 783-1 V1.1.1 (2000-09) & EN 301 783-2 V1.1.1 (2000-07)

On the following materials and products:
Electrical and electronic equipment for: information technology; industrial, scientific, and medical applications; residential service; receivers; licensed and unlicensed transmitters/transceivers; UPS systems; alarm/security systems; heavy industrial equipment; marine equipment; professional audio/video equipment; arc welders; PLC controllers; and scientific and laboratory apparatus.

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phone:888 226-3837 fax: 360 595-2722

THE AMERICAN
ASSOCIATION
FOR LABORATORY
ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

ACME TESTING CO.
Acme, WA

for technical competence in the field of

Electrical 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 (1994).

Presented this 30th day of April, 2002.

SEAL

President
For the Accreditation Council
Certificate Number 829.01
Valid to November 30, 2003

For tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation

FEDERAL COMMUNICATIONS COMMISSION

Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046

July 26, 2002

Registration Number: 90420

Acme Testing Co.
P.O. Box 3
2002 Valley Highway
Acme, WA 98220-0003

Attention: Harry Hodes

Re: Measurement facility located at Acme
Sites 1 & 2 (3, 10 & 30 meters)
Date of Renewal: July 26, 2002

Gentlemen:

Your request for renewal of the registration of the subject measurement facility has been received. The information submitted has been placed in your file and the registration has been renewed. The name of your organization will remain on the list of facilities whose measurement data will be accepted in conjunction with applications for Certification under Parts 15 or 18 of the Commission's Rules. Please note that the file must be updated for any changes made to the facility and the registration must be renewed at least every three years.

Measurement facilities that have indicated that they are available to the public to perform measurement services on a fee basis may be found on the FCC website www.fcc.gov under E-Filing, OET Equipment Authorization Electronic Filing, Test Firms.

Sincerely,

Phyllis Parrish
Information Technician