



\$2.1053 Field Strength
Spurious Emissions Measurements
Standard: ANSI/TIA/EIA-603:1992, Section 2.2.12
Device Tested: GE Medical Systems Model 340T
PRESCAN or FINAL: FINAL
Distance: 3m
Date: 09 DEC 2000
File: 00120801.xls

Fundamental Frequency: 460.6625 MHz **Level:** -10.9 dBc **Vertical** (Using EMCO 3146 Antenna, Gain = 4.46 dBd)
Cable loss at Fundamental Frequency = 1.9 dB **Horizontal** (Using EMCO 3146 Antenna, Gain = 3.86 dBd)

Using the substitution method, from 30 - 5000 MHz

Meas #	Freq: MHz	Signal Generator Output Level: in dBm	Criteria: 30dB below Fundamental	Antenna Gain: in dBd (2.14)	Cable Loss: in dB	Field Strength: in dBc (Sig. Gen. Output - Antenna Gain - Cable Loss)	Result: (Field Strength must be less than Criteria)	Polarization:	Δ From Limit:	Comment: (Antenna Used)
1	225.6	-64.2	-40.86	3.76	1.1	-69.06	Complied	Vertical	-28.2	EMCO 3146
2	921.3	-43.3	-40.86	4.16	3.0	-50.46	Complied	Vertical	-9.6	EMCO 3146
3	1382.0	-57.9	-40.86	3.86	0.9	-62.66	Complied	Vertical	-21.8	EMCO 3115
4	2303.0	-54.9	-40.86	5.36	1.1	-61.36	Complied	Vertical	-20.5	EMCO 3115
5	2764.0	-44.1	-40.86	5.86	0.9	-50.86	Complied	Vertical	-10.0	EMCO 3115
6	3224.6	-51.8	-40.86	6.26	1.7	-59.76	Complied	Vertical	-18.9	EMCO 3115
7	3685.0	-49.5	-40.86	6.26	1.8	-57.57	Complied	Vertical	-16.7	EMCO 3115
8	4146.0	-51.5	-40.86	6.06	2.1	-59.61	Complied	Vertical	-18.8	EMCO 3115
9	4606.7	-53.1	-40.86	7.36	2.5	-62.92	Complied	Vertical	-22.1	EMCO 3115
10	225.6	-61.6	-38.16	3.36	1.1	-66.06	Complied	Horizontal	-27.9	EMCO 3146
11	921.3	-43.9	-38.16	3.46	3.0	-50.36	Complied	Horizontal	-12.2	EMCO 3146
12	1382.0	-49.7	-38.16	4.36	0.9	-54.96	Complied	Horizontal	-16.8	EMCO 3115
13	2303.0	-50.2	-38.16	5.16	1.1	-56.46	Complied	Horizontal	-18.3	EMCO 3115
14	2764.0	-43.7	-38.16	5.56	0.9	-50.16	Complied	Horizontal	-12.0	EMCO 3115
15	3224.6	-50.7	-38.16	5.96	1.7	-58.36	Complied	Horizontal	-20.2	EMCO 3115
16	3685.0	-68.4	-38.16	5.96	1.8	-76.17	Complied	Horizontal	-38.0	EMCO 3115
17	4146.0	-57.0	-38.16	5.86	2.1	-64.91	Complied	Horizontal	-26.8	EMCO 3115
18	4606.7	-44.3	-38.16	7.16	2.5	-53.92	Complied	Horizontal	-15.8	EMCO 3115

Antennas Used: EMCO 3146 Log Periodic, s/n: 4226
EMCO 3115 Horn, s/n: 4227

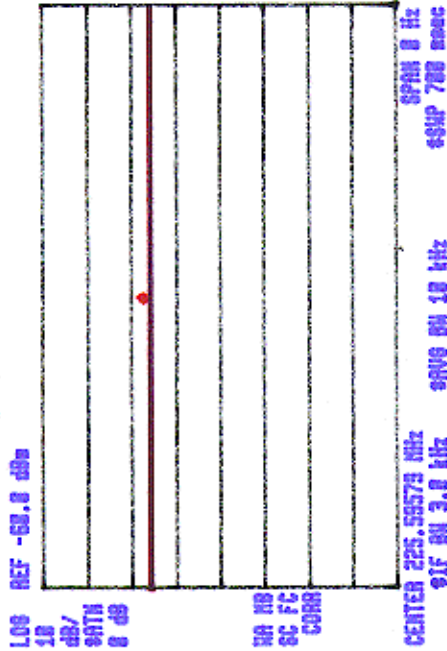
Tested by: Mark Ryan
TUV Rheinland of North America, Inc. 12 Commerce Road Newtown, CT 06470
Tel: (203) 426-0888 Fax: (203) 426-4009

TUV Rheinland of North America, Inc.

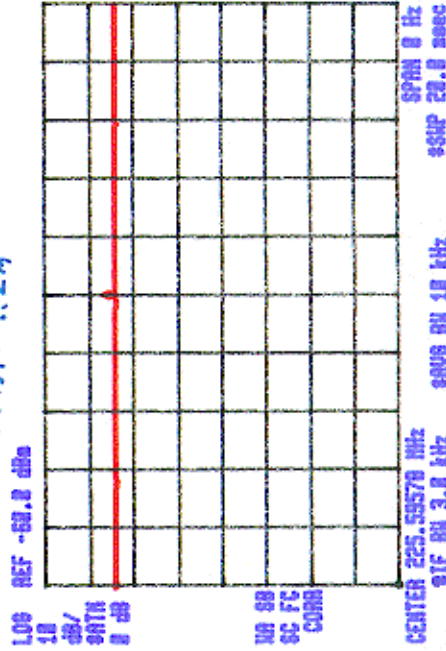
North American Headquarters

Web: <http://www.tuv.com> E-mail: info-new@tuv.com

15:14:53 DEC 09, 2000
SPUR FROM TRANSMITTER: VERTICAL
BARBER
350.00 sec
-81.29 dba
TT: 154°
MAST: 1M



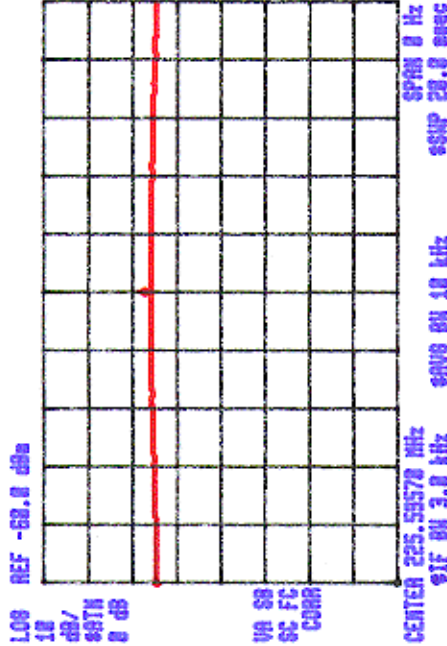
16:08:12 DEC 09, 2000
SPUR FROM TRANSMITTER: HORIZONTAL
BARBER
10.000 sec
-75.91 dba
TT: 281°
MAST: 1.2M



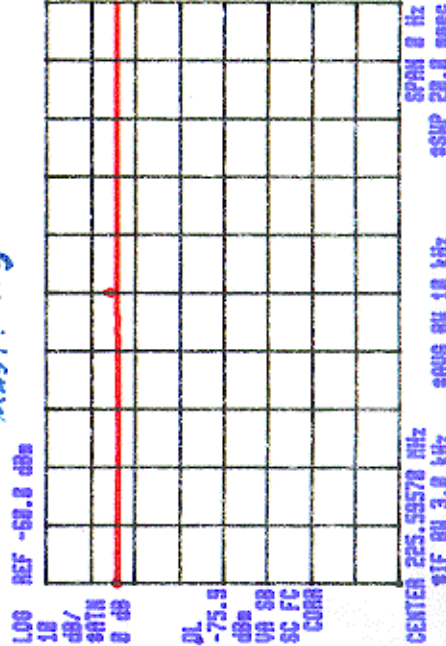
NOTES: 52,1053

FIELD STRENGTH OF SPURIOUS EMISSIONS § 2.1053
TYPICAL MEASUREMENT USING THE SUBSTITUTION METHOD

17:12:58 DEC 09, 2000
OUTPUT FROM S16.9E1: VERT, -81.2 dba
ACTU DET: PEAK
HEARS DET: PEAK OP AVG
MKR 10.000 sec
-81.27 dba
TT: 0°
MAST: 1M



17:14:00 DEC 09, 2000
OUTPUT FROM S16.9E1: HORIZ, -81.5dba
DISPLAY LINE
-75.9 dba
TT: 0°
MAST: 1.3M



MEAS TYPE:
 Radiated PreScan
 Radiated Final
 Conducted
 Disturbance Power
 Other

ANTENNA/COUPLER:

9124 Bicon
 3146 Log Per
 3106 Horn
 3109 Bicon
 3115 Horn
 CBL6112B Bilog
 CBL6140 X-Wing
 MDS-21 Clamp
 NSLK 8126 LISN
 NNB-4/63TL LISN
 NNB-4/200X LISN

POLARIZATION:

Horizontal } NOTED
 Vertical }
 NA

DISTANCE:

3 Meter
 10 Meter
 Meter
 NA

LOCATION:

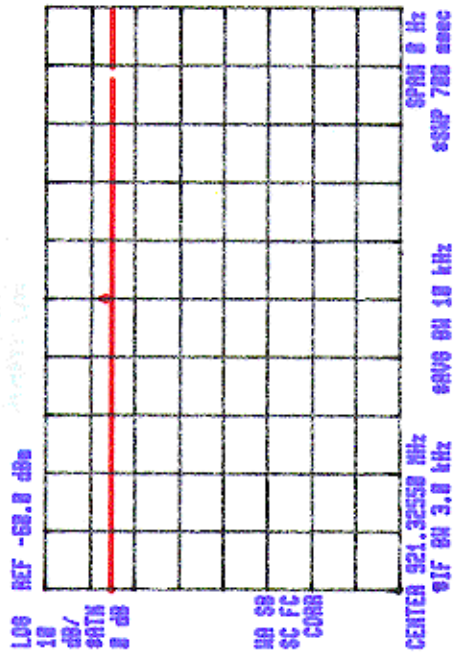
OATS
 Semi-Anechoic
 Shielded Room
 Factory Floor
 Other



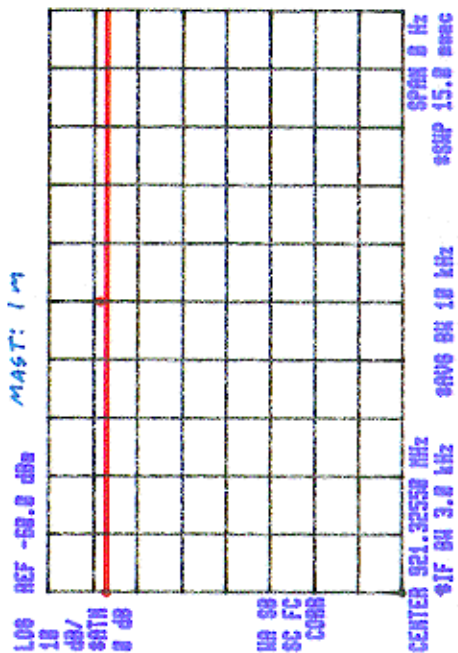
TUV Rheinland of North America, Inc.
North American Headquarters

Web: <http://www.tuv.com> E-mail: info-new@tuv.com

15:51:43 DEC 09, 2000
 SPUR FROM TRANSMITTER: VERTICAL
 ACTV DET: PEAK
 HERS DET: PEAK OP AVG
 MKR 350.00 msec
 -74.56 dba
 TT: 30°
 MAST: 1.1M



16:01:11 DEC 09, 2000
 SPUR FROM TRANSMITTER: HORIZONTAL
 ACTV DET: PEAK
 HERS DET: PEAK OP AVG
 MKR 7.5000 msec
 -73.83 dba
 TT: 177°
 MAST: 1M

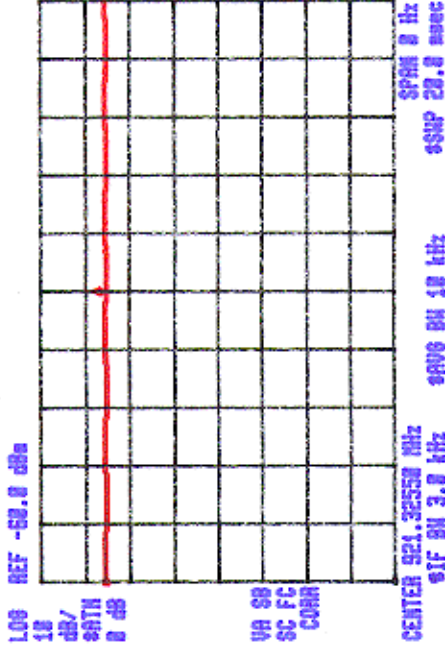


NOTES: § 2.1053

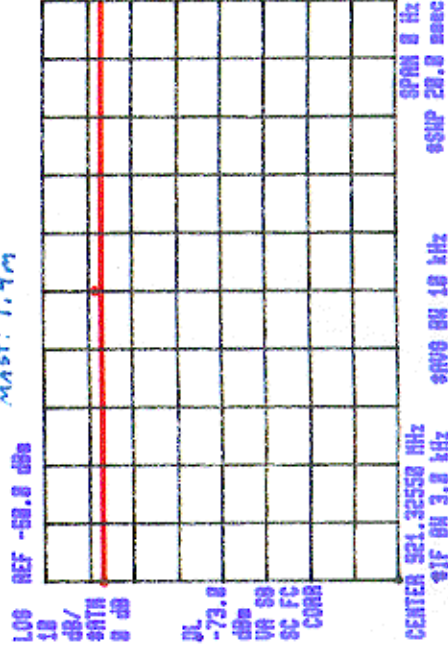
FIELD STRENGTH OF SOURCIOUS EMISSIONS

TYPICAL MEASUREMENTS USING THE SUBSTITUTION METHOD

17:53:30 DEC 09, 2000
 OUTPUT FROM 810.0EN: VERT, -43.3 dbm
 ACTV DET: PEAK
 HERS DET: PEAK OP AVG
 MKR 10.000 msec
 -74.56 dba
 TT: 0°
 MAST: 1M



17:06:23 DEC 09, 2000
 OUTPUT FROM 810.0EN: HORIZ, -43.9 dbm
 ACTV DET: PEAK
 HERS DET: PEAK OP AVG
 MKR 10.000 msec
 -73.83 dba
 TT: 0°
 MAST: 1.4M



- MEAS TYPE:
- Radiated Prescan
 - Radiated Final
 - Conducted
 - Disturbance Power
 - Other

ANTENNA/COUPLER:

- 9124 Bicon
- 3146 Log Per
- 3106 Horn
- 3109 Bicon
- 3115 Horn
- CBL6112B Bilog
- CBL6140 X-Wing
- MDS-21 Clamp
- NSLK 8126 LISN
- NNB-4/63TL LISN
- NNB-4/200X LISN

POLARIZATION:

- Horizontal
- Vertical
- NA

DISTANCE:

- 3 Meter
- 10 Meter
- Meter
- NA

LOCATION:

- OATS
- Semi-Anechoic
- Shielded Room
- Factory Floor
- Other

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