

**Conducted noise according to:
EN 55022 class B**

EUT: Scenic 665-D1127-WGS3 /PIII/733MHz
Manufacturer: Fujitsu Siemens Computers
Operating Condition: Scroll "H" 1024x768/100Hz - HD+CD-Test
Test Site: FSC Augsburg
Operator: R. Schaufler
Configuration: Full configuration - Monitor MCM 17P1 - PSU: Astec
Comment: Monitor power via PC power supply
Start of Test: 12.11.99 / 13:40:37

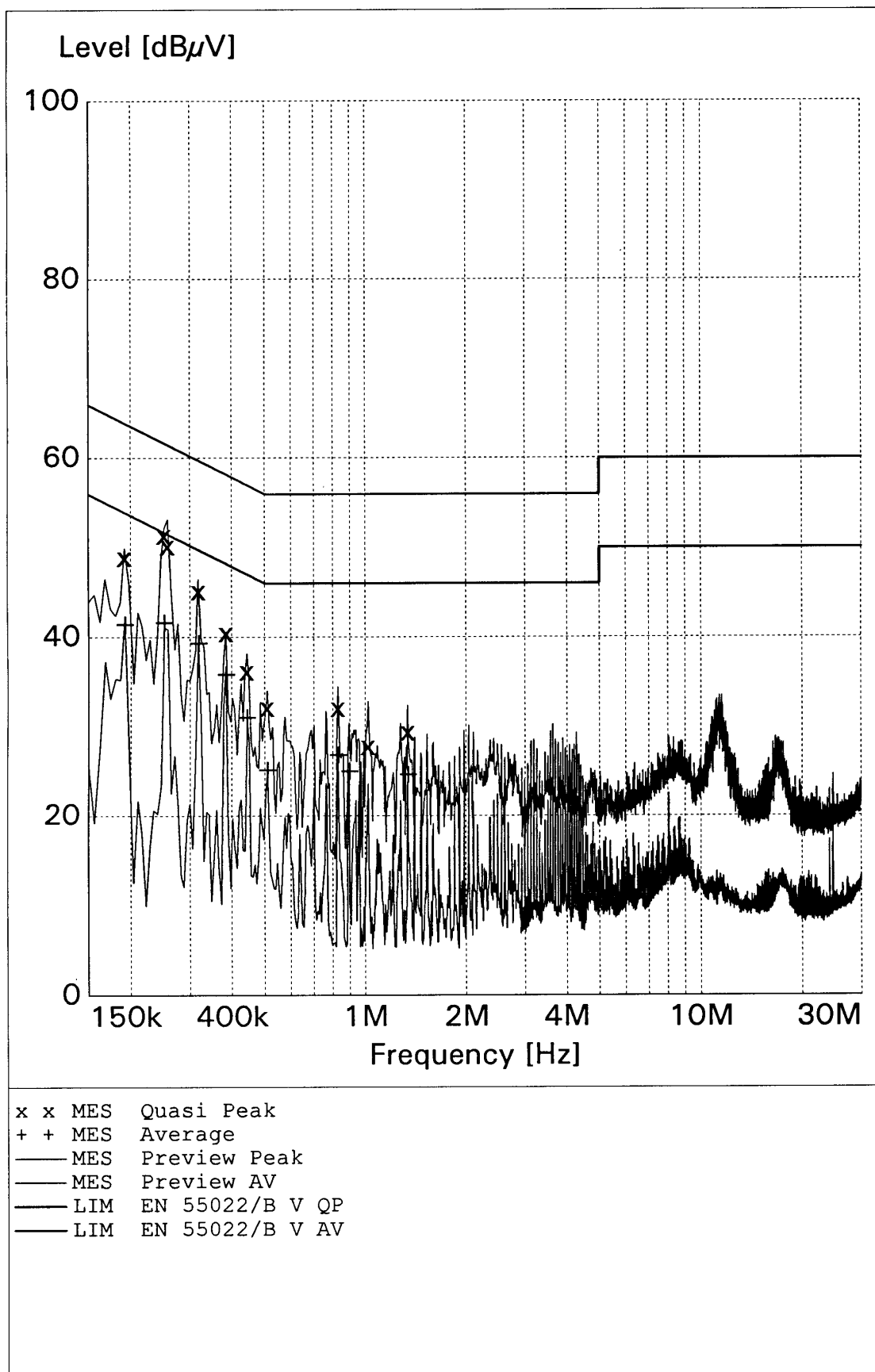
SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector:	Mode:
Curve 1: MaxPeak	MaxHold
Curve 2: Average	MaxHold

Subrange 1:

Start Frequency:	150.0 kHz	Step Size:	6.0 kHz
Stop Frequency:	30.0 MHz		
Measure Time:	10.0 ms		
IF Bandwidth:	10 kHz		
Receiver:	ESHS	Transducer:	ESH2-Z5
Signal Path:	None	System Transducer:	None
Meas. Mode:	Lin	Add. Transd. 1:	ESH3-Z2
Tracking Gen.:	--	Add. Transd. 2:	None
Input:	--	Add. Transd. 3:	None
Preamplifier:	Off	Demodulation:	A3
RF Att.:	0 dB	Volume:	--
Ref. Level:	--	Squelch:	--
Min. RF Att.:	10 dB	Option:	None
IF Att.:	LowNoise		
Autorange:	On		



MEASUREMENT RESULT: "Quasi Peak"

12.11.99 13:55

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.192000	48.80	10.0	64	15.2	N	GND
0.252000	51.30	10.0	62	10.4	N	GND
0.258000	50.10	10.0	62	11.4	N	GND
0.318000	45.00	10.0	60	14.7	N	GND
0.384000	40.30	10.0	58	17.9	L1	GND
0.444000	36.00	10.0	57	21.0	L1	GND
0.510000	32.00	10.0	56	24.0	N	GND
0.828000	31.90	10.0	56	24.1	L1	GND
1.020000	27.70	10.0	56	28.3	N	GND
1.338000	29.30	10.0	56	26.7	L1	GND

MEASUREMENT RESULT: "Average"

12.11.99 13:55

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.192000	41.30	10.0	54	12.7	N	GND
0.252000	41.50	10.0	52	10.2	N	GND
0.318000	39.20	10.0	50	10.6	N	GND
0.384000	35.70	10.0	48	12.5	N	GND
0.444000	30.90	10.0	47	16.1	N	GND
0.510000	25.10	10.0	46	20.9	N	GND
0.828000	26.80	10.0	46	19.2	L1	GND
0.894000	24.90	10.0	46	21.1	L1	GND
1.338000	24.60	10.0	46	21.4	L1	GND

**Conducted noise according to:
EN 55022 class B**

EUT: Scenic 665 (DT6) D1127-WGS3 - P3-733 MHz
Manufacturer: Fujitsu Siemens Computers
Operating Condition: Scroll "H" 1024x768/100Hz - HD+CD-Test
Test Site: FSC Augsburg
Operator: R. Schaufler
Configuration: Full configuration - Monitor MCM 17P1 - PSU ASTEC
Comment: Monitor power external
Start of Test: 12.11.99 / 14:00:11

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector: Mode:

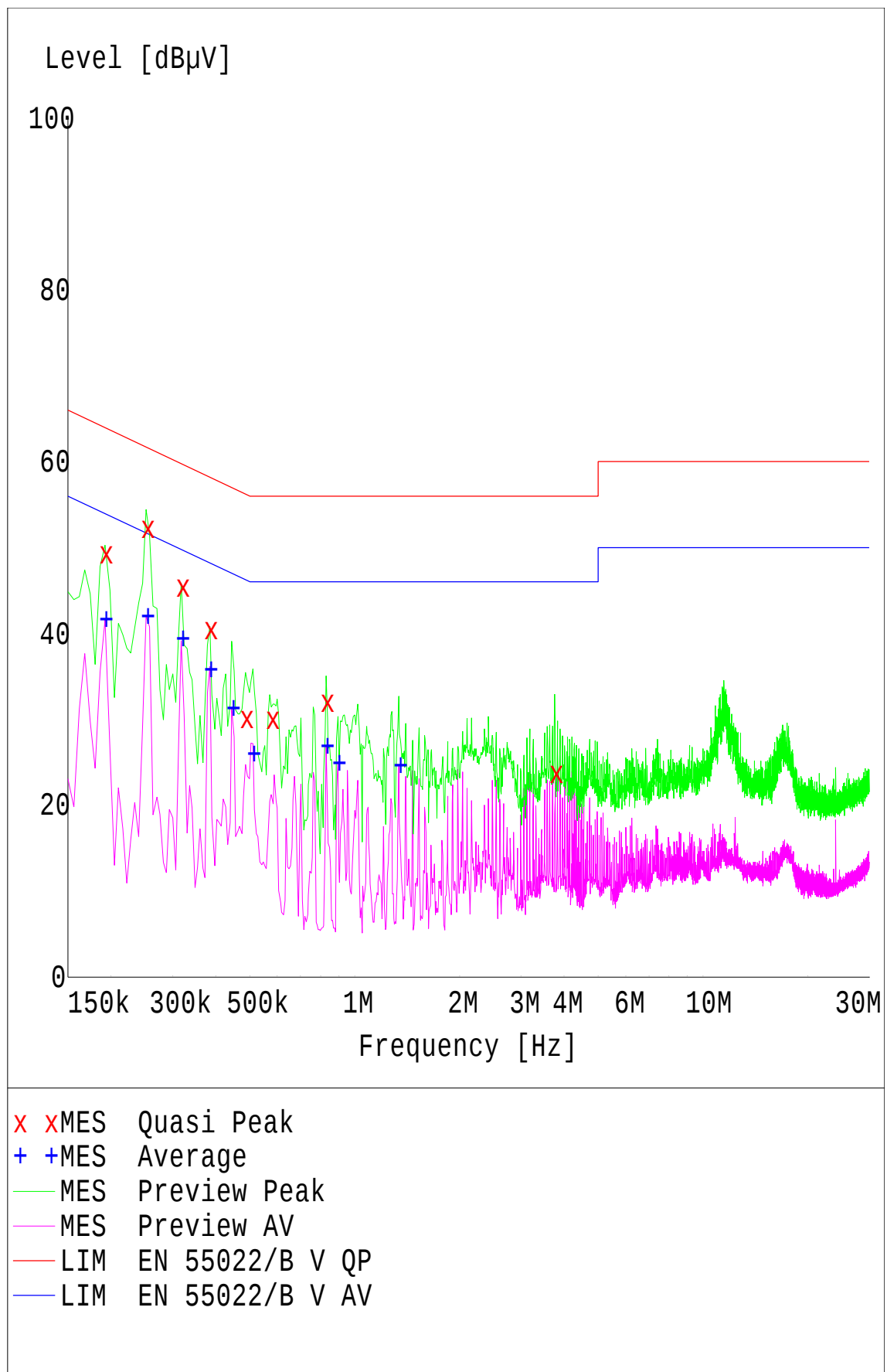
Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

Subrange 1:

Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

Receiver: ESHS Transducer: ESH2-Z5
Signal Path: None System Transducer: None
Meas. Mode: Lin Add. Transd. 1: ESH3-Z2
Tracking Gen.: -- Add. Transd. 2: None
Input: -- Add. Transd. 3: None

Preamplifier: Off Demodulation: A3
RF Att.: 0 dB Volume: --
Ref. Level: -- Squelch: --
Min. RF Att.: 10 dB Option: None
IF Att.: LowNoise
Autorange: On



MEASUREMENT RESULT: "Quasi Peak"

12.11.99 14:15

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.192000	49.30	10.0	64	14.6	N	GND
0.252000	52.30	10.0	62	9.4	N	GND
0.318000	45.40	10.0	60	14.3	N	GND
0.384000	40.50	10.0	58	17.7	L1	GND
0.486000	30.10	10.0	56	26.1	N	GND
0.576000	30.00	10.0	56	26.0	N	GND
0.828000	32.00	10.0	56	24.1	L1	GND
3.756000	23.70	10.0	56	32.3	N	GND

MEASUREMENT RESULT: "Average"

12.11.99 14:15

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.192000	41.60	10.0	54	12.3	N	GND
0.252000	41.90	10.0	52	9.8	N	GND
0.318000	39.30	10.0	50	10.4	N	GND
0.384000	35.70	10.0	48	12.5	L1	GND
0.444000	31.20	10.0	47	15.8	L1	GND
0.510000	25.90	10.0	46	20.1	N	GND
0.828000	26.70	10.0	46	19.3	L1	GND
0.894000	24.80	10.0	46	21.2	L1	GND
1.338000	24.60	10.0	46	21.4	L1	GND

**Conducted noise according to:
EN 55022 class B**

EUT: Scenic 665-D1127/PIII/733 MHz
Manufacturer: Fujitsu Siemens Computers
Operating Condition: Scroll "H" 1024x768/100Hz - HD+CD-Test
Test Site: FSC Augsburg
Operator: H. Zenkner
Configuration: Full configuration PSU: Minebea E425 - V20
Comment: MCM 1707 NTD - Monitor power via PC power supply
Start of Test: 16.11.99 / 11:21:07

SCAN TABLE: "Volt_015-30fin"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

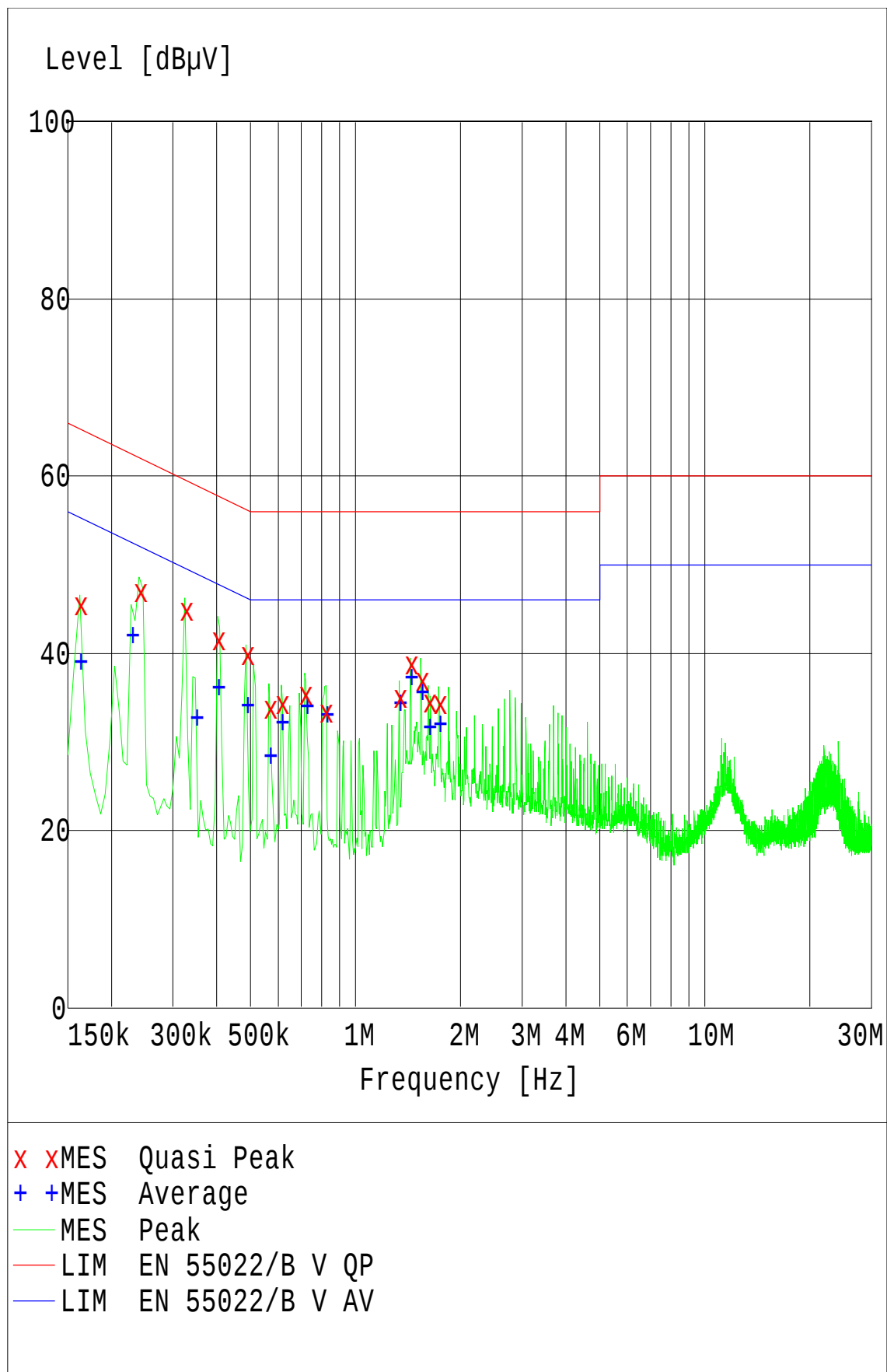
Subrange 1:

Start Frequency: 150.0 kHz Step Size: 6.0 kHz
Stop Frequency: 30.0 MHz
Measure Time: 10.0 ms
IF Bandwidth: 10 kHz

Receiver: ESH3 Transducer: ESH3-Z5
Signal Path: None System Transducer: None
Meas. Mode: Lin Add. Transd. 1: ESH3-Z2
Tracking Gen.: Off Add. Transd. 2: None
Input: -- Add. Transd. 3: None

Preamplifier: -- Demodulation: A3
RF Att.: 0 dB Volume: --
Ref. Level: -- Squelch: --
Min. RF Att.: -- Option: None
IF Att.: LowDistortion
Autorange: On

Curve 1: On Repetition: Single
Curve 2: On Stop Mark: Off
Stop Message: Off
Stop Message:



MEASUREMENT RESULT: "Quasi Peak"

16.11.99 11:45

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.162000	45.50	10.0	65.3	19.8	L1	GND
0.240000	46.90	10.0	62.0	15.1	L1	GND
0.324000	44.90	10.0	59.6	14.7	L1	GND
0.402000	41.60	10.0	57.8	16.2	L1	GND
0.486000	39.90	10.0	56.2	16.3	N	GND
0.564000	33.90	10.0	56.0	22.1	N	GND
0.612000	34.40	10.0	56.0	21.6	N	GND
0.714000	35.40	10.0	56.0	20.6	N	GND
0.816000	33.40	10.0	56.0	22.6	N	GND
1.332000	35.00	10.0	56.0	21.0	N	GND
1.434000	38.90	10.0	56.0	17.1	L1	GND
1.536000	37.00	10.0	56.0	19.0	N	GND
1.614000	34.50	10.0	56.0	21.5	N	GND
1.728000	34.40	10.0	56.0	21.6	L1	GND

MEASUREMENT RESULT: "Average"

16.11.99 11:45

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.162000	39.00	10.0	55.3	16.3	L1	GND
0.228000	42.00	10.0	52.5	10.5	N	GND
0.348000	32.70	10.0	49.0	16.3	N	GND
0.402000	36.10	10.0	47.8	11.7	L1	GND
0.486000	34.10	10.0	46.2	12.1	N	GND
0.564000	28.40	10.0	46.0	17.6	N	GND
0.612000	32.20	10.0	46.0	13.7	N	GND
0.720000	34.00	10.0	46.0	12.0	N	GND
0.822000	33.10	10.0	46.0	12.9	N	GND
1.332000	34.40	10.0	46.0	11.6	L1	GND
1.434000	37.20	10.0	46.0	8.7	N	GND
1.536000	35.60	10.0	46.0	10.3	N	GND
1.614000	31.60	10.0	46.0	14.4	L1	GND
1.728000	32.00	10.0	46.0	14.0	N	GND

**Conducted noise according to:
EN 55022 class B**

EUT: Scenic 665-D1127/PIII/733 MHz
 Manufacturer: Fujitsu Siemens Computers
 Operating Condition: Scroll "H" 1024x768/100Hz - HD+CD-Test
 Test Site: FSC Augsburg
 Operator: H. Zenkner
 Configuration: Full configuration PSU: Minebea E425 - V20
 Comment: MCM 1707 NTD - Monitor power external
 Start of Test: 16.11.99 / 11:52:47

SCAN TABLE: "Volt_015-30fin"

Unit: dBµV

Detector: Mode:

Curve 1: MaxPeak MaxHold
 Curve 2: Average MaxHold

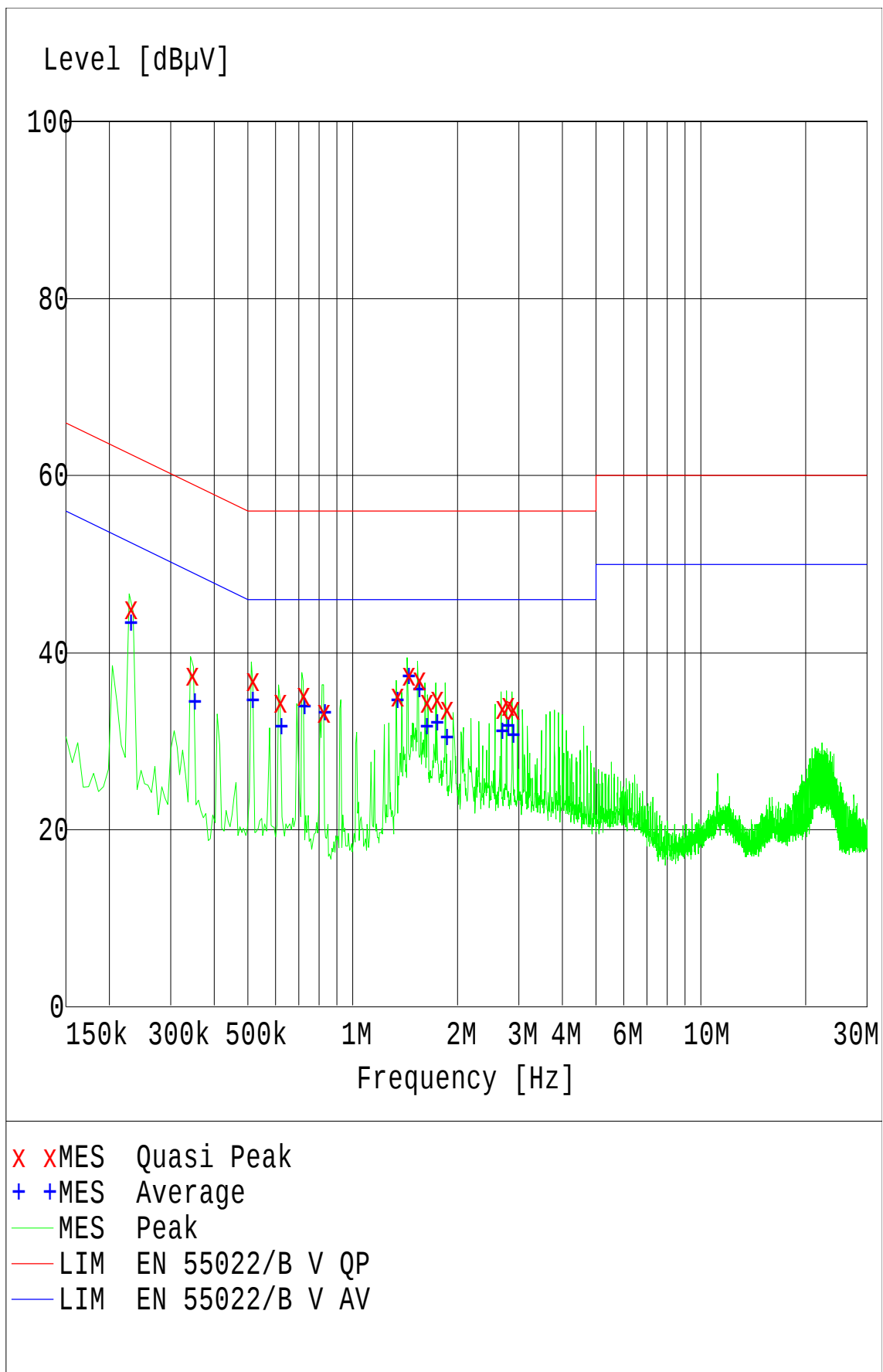
Subrange 1:

Start Frequency: 150.0 kHz Step Size: 6.0 kHz
 Stop Frequency: 30.0 MHz
 Measure Time: 10.0 ms
 IF Bandwidth: 10 kHz

Receiver: ESH3 Transducer: ESH3-Z5
 Signal Path: None System Transducer: None
 Meas. Mode: Lin Add. Transd. 1: ESH3-Z2
 Tracking Gen.: Off Add. Transd. 2: None
 Input: -- Add. Transd. 3: None

Preamplifier: -- Demodulation: A3
 RF Att.: 0 dB Volume: --
 Ref. Level: -- Squelch: --
 Min. RF Att.: -- Option: None
 IF Att.: LowDistortion
 Autorange: On

Curve 1: On Repetition: Single
 Curve 2: On Stop Mark: Off
 Stop Message: Off
 Stop Message:



MEASUREMENT RESULT: "Quasi Peak"

16.11.99 12:17

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.228000	45.00	10.0	62.5	17.5	L1	GND
0.342000	37.50	10.0	59.1	21.6	L1	GND
0.510000	36.90	10.0	56.0	19.1	N	GND
0.612000	34.40	10.0	56.0	21.6	N	GND
0.714000	35.20	10.0	56.0	20.7	L1	GND
0.816000	33.30	10.0	56.0	22.7	N	GND
1.332000	35.10	10.0	56.0	20.9	N	GND
1.434000	37.50	10.0	56.0	18.5	N	GND
1.536000	37.00	10.0	56.0	19.0	N	GND
1.614000	34.40	10.0	56.0	21.6	L1	GND
1.728000	34.70	10.0	56.0	21.2	L1	GND
1.842000	33.60	10.0	56.0	22.4	L1	GND
2.664000	33.70	10.0	56.0	22.2	N	GND
2.766000	34.00	10.0	56.0	22.0	L1	GND
2.868000	33.60	10.0	56.0	22.4	N	GND

MEASUREMENT RESULT: "Average"

16.11.99 12:17

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.228000	43.30	10.0	52.5	9.2	L1	GND
0.348000	34.40	10.0	49.0	14.6	L1	GND
0.510000	34.50	10.0	46.0	11.5	N	GND
0.618000	31.60	10.0	46.0	14.4	N	GND
0.720000	33.90	10.0	46.0	12.1	N	GND
0.822000	33.20	10.0	46.0	12.7	N	GND
1.332000	34.60	10.0	46.0	11.3	N	GND
1.434000	37.30	10.0	46.0	8.7	N	GND
1.536000	35.80	10.0	46.0	10.2	N	GND
1.614000	31.60	10.0	46.0	14.4	N	GND
1.728000	32.10	10.0	46.0	13.9	N	GND
1.842000	30.40	10.0	46.0	15.6	L1	GND
2.664000	31.10	10.0	46.0	14.9	L1	GND
2.766000	31.70	10.0	46.0	14.3	L1	GND
2.868000	30.70	10.0	46.0	15.3	N	GND

**Radiated emission according to:
to EN55022 class B**

EUT: Scenic 665-D1127/PIII/733 MHz
 Manufacturer: Fujitsu Siemens Computers
 Operating Condition: scr. "H" 1600 x 1200/85 Hz, HD-, CD- Test
 Test Site: FSC Augsburg (10 m Semi Anechoic Chamber)
 Operator: A. Siebenhütter
 Configuration: fully conf. PSU: Astec E425-V30
 Comment:
 Start of Test: 09.11.99 / 17:31:15

SCAN TABLE: "10m/30-1000"

Short Description: 10m Field Strength
 Unit: dBµV/m

Detector: Mode:

Curve 1: MaxPeak ClearWrite

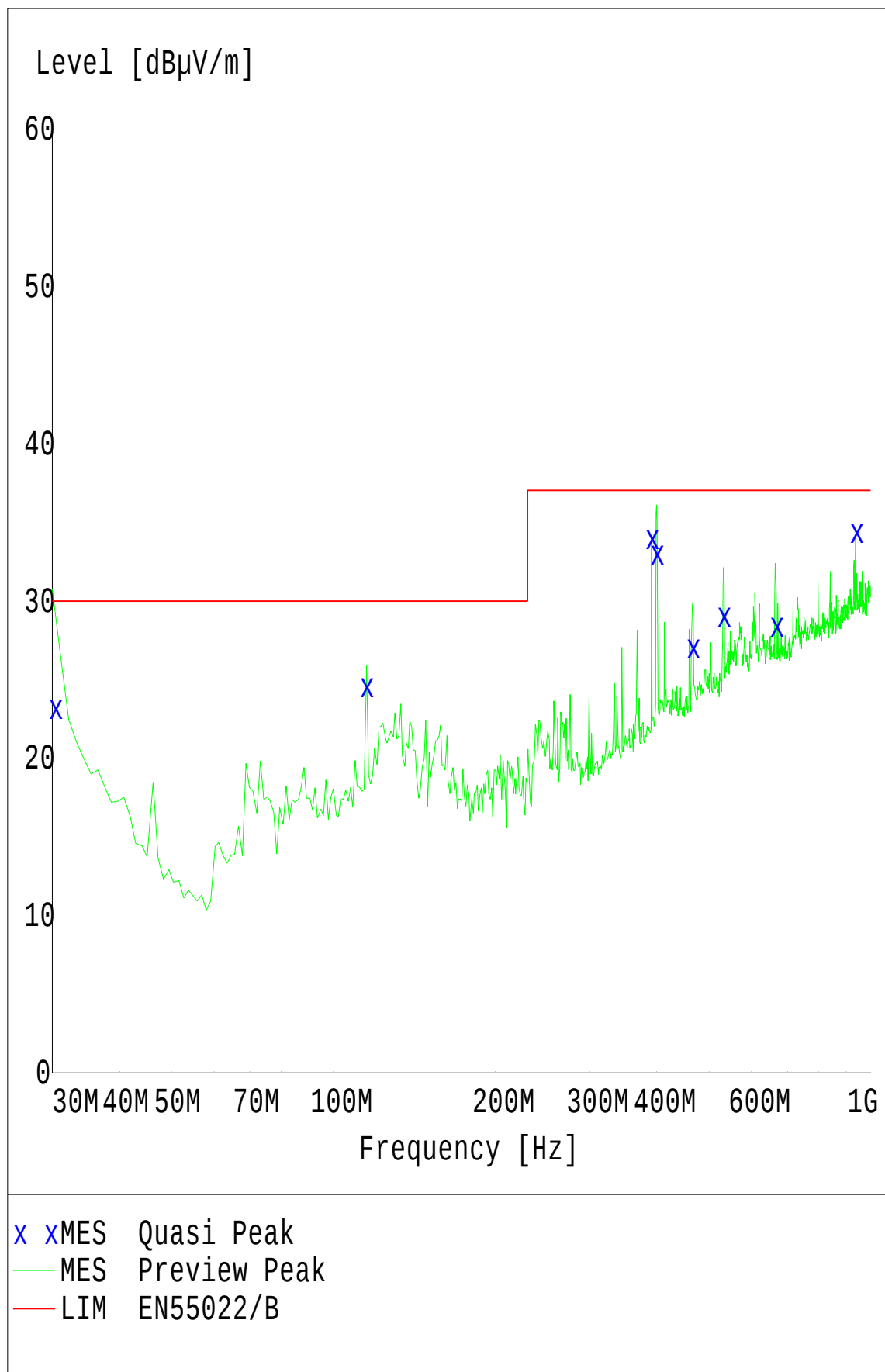
Subrange 1:

Start Frequency: 30.0 MHz Step Size: 30.0 kHz
 Stop Frequency: 1.0 GHz
 Measure Time: 10.0 ms
 IF Bandwidth: 120 kHz

Receiver: ESXI Transducer: CBL6112 cal.8/99
 Signal Path: 2DC-CP1X1 System Transducer: RFin2-CP1/X1
 Meas. Mode: Lin Add. Transd. 1: cable30-1000
 Tracking Gen.: Off Add. Transd. 2: None
 Input: 2DC Add. Transd. 3: None

Preamplifier: 10 dB Demodulation: AM
 RF Att.: Coupled Volume: 70 %
 Ref. Level: -60.0 dBm Squelch: --
 Min. RF Att.: 0 dB Option: None
 IF Att.: --
 Autorange: On

Curve 1: On Repetition: Single
 Stop Mark: Off
 Stop Message: Off
 Stop Message:



MEASUREMENT RESULT: "Quasi Peak"

10.11.99 09:07

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
30.300000	23.20	18.1	30.0	6.8	100.0	150.00	VERTICAL
114.750000	24.60	12.5	30.0	5.4	160.0	210.00	VERTICAL
390.180000	34.00	17.3	37.0	3.0	100.0	330.00	VERTICAL
398.580000	33.00	17.8	37.0	4.0	280.0	300.00	HORIZONTAL
465.600000	27.00	19.0	37.0	10.0	220.0	59.00	HORIZONTAL
531.390000	29.00	19.9	37.0	8.0	100.0	270.00	VERTICAL
664.230000	28.40	21.7	37.0	8.6	100.0	29.00	HORIZONTAL
936.450000	34.40	23.9	37.0	2.6	160.0	180.00	VERTICAL

**Radiated emission according to:
to EN55022 class B**

EUT: Scenic 665-D1127/PIII/733 MHz
 Manufacturer: Fujitsu Siemens Computers
 Operating Condition: scr. "H" 1600*1200/85 Hz, HD-, CD- Test
 Test Site: FSC Augsburg (10 m Semi Anechoic Chamber)
 Operator: A. Siebenhütter
 Configuration: fully conf. PSU: Minebea E425 - V20
 Comment:
 Start of Test: 10.11.99 / 15:36:24

SCAN TABLE: "10m/30-1000"

Short Description: 10m Field Strength
 Unit: dBµV/m

Detector: Mode:

Curve 1: MaxPeak ClearWrite

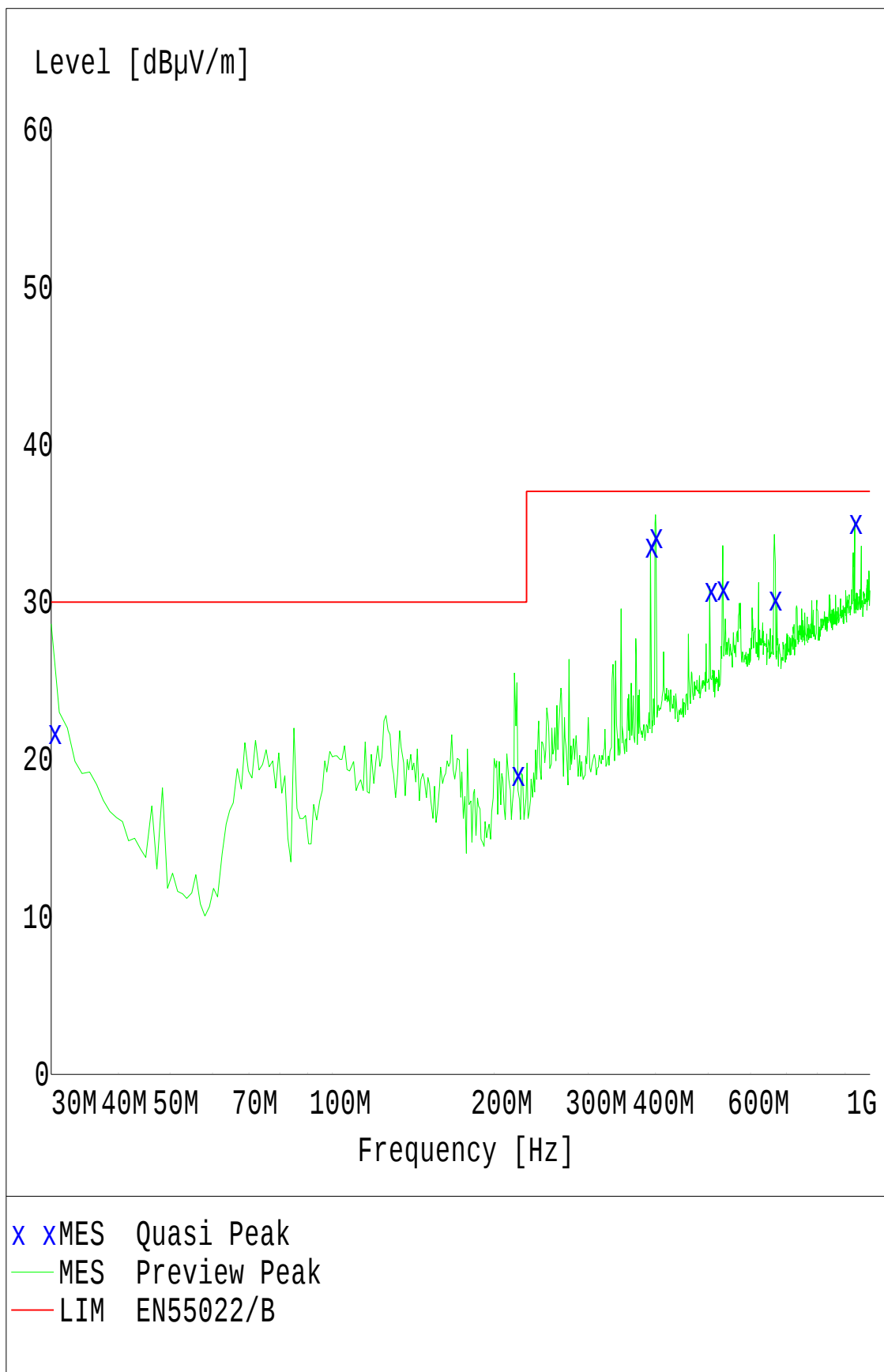
Subrange 1:

Start Frequency:	30.0 MHz	Step Size:	30.0 kHz
Stop Frequency:	1.0 GHz		
Measure Time:	10.0 ms		
IF Bandwidth:	120 kHz		

Receiver:	ESXI	Transducer:	CBL6112 cal.8/99
Signal Path:	2DC-CP1X1	System Transducer:	RFin2-CP1/X1
Meas. Mode:	Lin	Add. Transd. 1:	cable30-1000
Tracking Gen.:	Off	Add. Transd. 2:	None
Input:	2DC	Add. Transd. 3:	None

Preamplifier:	10 dB	Demodulation:	AM
RF Att.:	Coupled	Volume:	70 %
Ref. Level:	-60.0 dBm	Squelch:	--
Min. RF Att.:	0 dB	Option:	None
IF Att.:	--		
Autorange:	On		

Curve 1:	On	Repetition:	Single
		Stop Mark:	Off
		Stop Message:	Off
		Stop Message:	



MEASUREMENT RESULT: "Quasi Peak"

10.11.99 15:47

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
30.300000	21.70	18.1	30.0	8.3	100.0	239.00	VERTICAL
220.020000	19.00	10.1	30.0	11.0	100.0	29.00	VERTICAL
390.180000	33.50	17.3	37.0	3.5	220.0	59.00	HORIZONTAL
398.610000	34.10	17.8	37.0	2.9	100.0	180.00	VERTICAL
504.030000	30.70	19.4	37.0	6.3	220.0	119.00	HORIZONTAL
531.780000	30.80	20.0	37.0	6.2	220.0	330.00	HORIZONTAL
663.930000	30.20	21.7	37.0	6.8	280.0	150.00	HORIZONTAL
936.390000	35.00	23.9	37.0	2.0	220.0	180.00	VERTICAL

**Radiated emission according to:
to FCC class B**

EUT: Scenic 665 (DT6) D1127/ P3-733 MHz
 Manufacturer: Fujitsu Siemens Computers
 Operating Condition: scr. "H" 1024*768/100 Hz, HD-, CD- Test
 Test Site: FSC Augsburg (10m Semi Anechoic Chamber)
 Operator: H. Zenkner
 Configuration: fully conf.
 Comment: PSU: ASTEC S26113-E425-V30
 Start of Test: 02.12.99 / 13:08:18

SCAN TABLE: "FCC1-5GHz"

Short Description: 3m Messung FCC 1 bis 5 GHz
 Unit: dBµV/m

Detector: Mode:

Curve 1: MaxPeak MaxHold
 Curve 2: Average MaxHold

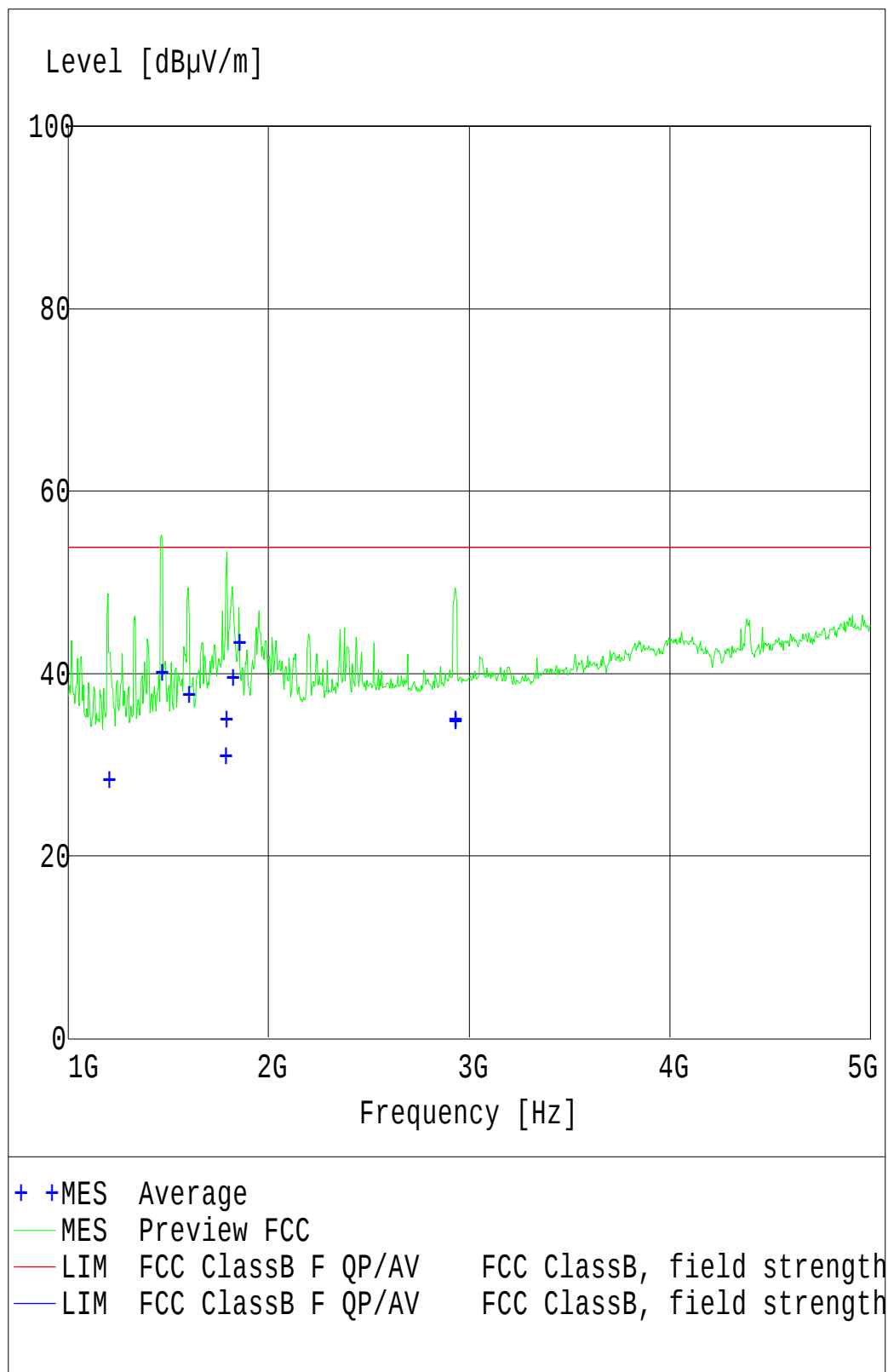
Subrange 1:

Start Frequency: 1.0 GHz Step Size: 300.0 kHz
 Stop Frequency: 5.0 GHz
 Measure Time: 10.0 ms
 IF Bandwidth: 1 MHz

Receiver: ESXI Transducer: Tensor4105v
 Signal Path: 2DC-CP7X1 System Transducer: RFin2-CP7/X1
 Meas. Mode: Lin Add. Transd. 1: Rosenberger 8m
 Tracking Gen.: Off Add. Transd. 2: None
 Input: 2DC Add. Transd. 3: None

Preamplifier: 10 dB Demodulation: AM
 RF Att.: Coupled Volume: 70 %
 Ref. Level: -40.0 dBm Squelch: --
 Min. RF Att.: 0 dB Option: None
 IF Att.: --
 Autorange: On

Curve 1: On Repetition: Single
 Curve 2: On Stop Mark: Off
 Stop Message: Off
 Stop Message:



MEASUREMENT RESULT: "Average"

02.12.99 13:52

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1198.300000	28.30	8.3	53.9	25.6	100.0	29.00	VERTICAL
1461.400000	40.10	9.0	53.9	13.8	140.0	29.00	VERTICAL
1595.800000	37.60	10.0	53.9	16.3	140.0	29.00	VERTICAL
1778.800000	30.90	11.1	53.9	23.0	100.0	330.00	VERTICAL
1782.100000	34.90	11.1	53.9	19.0	100.0	0.00	VERTICAL
1813.300000	39.50	10.7	53.9	14.4	100.0	0.00	VERTICAL
1848.100000	43.30	10.8	53.9	10.6	100.0	0.00	VERTICAL
2923.000000	34.90	14.4	53.9	19.0	140.0	29.00	VERTICAL
2923.600000	34.70	14.5	53.9	19.2	140.0	29.00	VERTICAL

**Radiated emission according to:
to FCC class B**

EUT: Scenic 665 (DT6) D1127-WGS3/PIII/733MHz
Manufacturer: Fujitsu Siemens Computers
Operating Condition: Scroll "H" 1600x1200/85Hz HD-CD-test
Test Site: FSC Augsburg (10 m Semi Anechoic Chamber)
Operator: A. Siebenhütter
Configuration: fully configured
Comment: SV: E425-V20 Minebea
Start of Test: 12.11.99 / 08:27:27

SCAN TABLE: "FCC1-5GHz"

Short Description: 3m Messung FCC 1 bis 5 GHz
Unit: dBµV/m

Detector: Mode:

Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

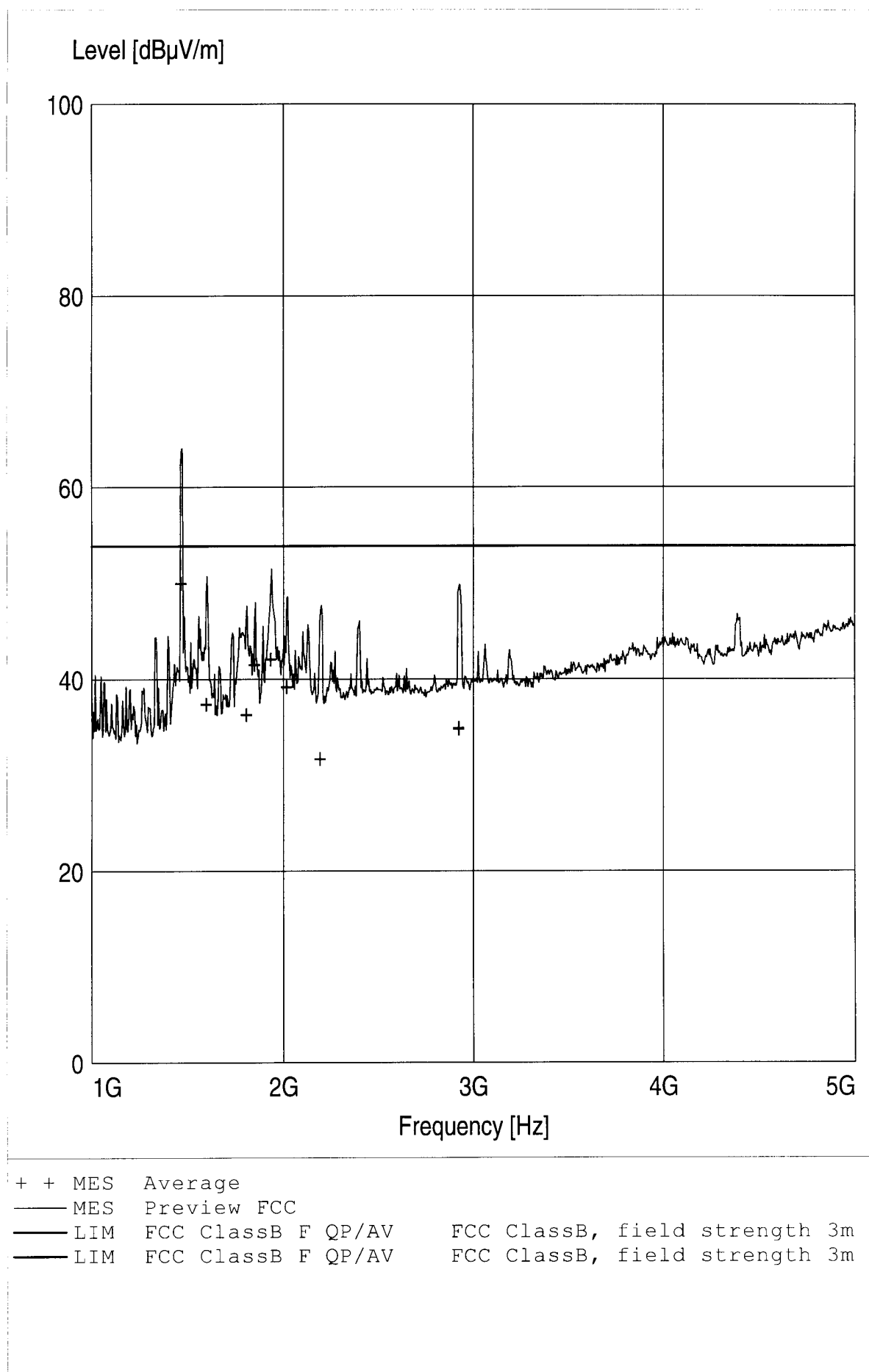
Subrange 1:

Start Frequency: 1.0 GHz Step Size: 300.0 kHz
Stop Frequency: 5.0 GHz
Measure Time: 10.0 ms
IF Bandwidth: 1 MHz

Receiver: ESXI Transducer: Tensor4105v
Signal Path: 2DC-CP7X1 System Transducer: RFin2-CP7/X1
Meas. Mode: Lin Add. Transd. 1: Rosenberger 8m
Tracking Gen.: Off Add. Transd. 2: None
Input: 2DC Add. Transd. 3: None

Preamplifier: 10 dB Demodulation: AM
RF Att.: Coupled Volume: 70 %
Ref. Level: -40.0 dBm Squelch: --
Min. RF Att.: 0 dB Option: None
IF Att.: --
Autorange: On

Curve 1: On Repetition: Single
Curve 2: On Stop Mark: Off
Stop Message: Off
Stop Message:



MEASUREMENT RESULT: "Average"

12.11.99 09:09

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1461.400000	50.30	9.0	53.9	3.6	140.0	0.00	VERTICAL
1595.800000	37.70	10.0	53.9	16.2	140.0	330.00	VERTICAL
1806.100000	36.60	10.8	53.9	17.3	140.0	0.00	VERTICAL
1848.100000	41.80	10.8	53.9	12.1	140.0	0.00	VERTICAL
1932.100000	42.40	10.9	53.9	11.5	140.0	29.00	VERTICAL
2016.100000	39.50	11.4	53.9	14.4	100.0	29.00	VERTICAL
2192.200000	32.00	12.2	53.9	21.9	180.0	0.00	VERTICAL
2922.700000	35.10	14.4	53.9	18.8	140.0	330.00	VERTICAL
2923.000000	35.20	14.4	53.9	18.7	140.0	330.00	VERTICAL