

Conducted noise according to:

EN 55022 class B

EUT: Scenic Edition Mi7 with D1115-A10,WGS=1
Manufacturer: SNI (Acer)
Operating Condition: Scr. H 1024*768/100 Hz HD/CD-test
Test Site: SNI-Augsburg; SK1
Operator: M. Borrmann
Comment: Fully configured, monitor power external only
Comment: MCM1703, CRT=Matrox 3D G100 AGP, 2MB VRAM
Start of Test: 26.08.1998 / 13:47:47

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

Curve 1: On Repetition: 0
Curve 2: On Stop Mark: Off

MEASUREMENT RESULT: "Quasi Peak"

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Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.690000	38.90	10.0	56.0	17.0	N	GND
1.188000	40.90	10.0	56.0	15.0	L1	GND
1.284000	38.70	10.0	56.0	17.2	L1	GND
1.680000	39.80	10.0	56.0	16.1	L1	GND
2.076000	38.70	10.0	56.0	17.2	L1	GND
2.274000	38.10	10.0	56.0	17.8	L1	GND
2.670000	39.80	10.0	56.0	16.1	L1	GND
3.066000	38.60	10.0	56.0	17.3	L1	GND
3.558000	37.80	10.0	56.0	18.1	L1	GND
3.660000	40.20	10.0	56.0	15.7	L1	GND

MEASUREMENT RESULT: "Average"

26.08.1998 14:12

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.690000	35.90	10.0	46.0	10.0	N	GND
1.188000	37.10	10.0	46.0	8.8	L1	GND
1.284000	35.80	10.0	46.0	10.1	L1	GND
1.680000	37.20	10.0	46.0	8.7	L1	GND
2.076000	36.00	10.0	46.0	9.9	L1	GND
2.670000	37.10	10.0	46.0	8.8	L1	GND
3.066000	36.10	10.0	46.0	9.8	L1	GND
3.162000	34.30	10.0	46.0	11.6	L1	GND
3.558000	35.10	10.0	46.0	10.8	L1	GND
3.660000	36.20	10.0	46.0	9.7	L1	GND

Level [dB μ V]

100

80

60

40

20

0

150k 400k 1M 2M 4M 10M 30M
Frequency [Hz]

- x x MES Quasi Peak
- + + MES Average
- MES Preview Peak
- MES Preview AV
- LIM EN 55022/B V QP
- LIM EN 55022/B V AV

Radiation Test according to:

EN 55022/B

EUT: Scenic Edition Mi7 with D1115-A10/450 MHz
Manufacturer: SNI
Operating Condition: scr. "H" 1024 * 768,100 Hz
Test Site: EMC Center Augsburg
Operator: R- Schaufler
Job No: PDP8E070
Comment : full configuration, MCM1705 NTD
Comment : Grafikkarte: Matrox 3DG100 AGP (4Mb)

SCAN TABLE: "10m/30-1000"

Unit: dB μ V/m

Detector: Mode:
Curve 1: MaxPeak ClearWrite
Curve 2: QuasiPeak ClearWrite

Subrange 1:

Start Frequency: 30.0 MHz Step Size: 30.0 kHz
Stop Frequency: 1.0 GHz
Measure Time: 0.01 s
IF Bandwidth: 120 kHz

Receiver: ESAI Probe Transducer: CBL6111 cal. 4/95
Signal Path: 2DC-CP1X1 System Transducer: RFin2-CP1/X1
Scan 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.: 0 dB Volume: 70.0 %
Ref. Level: -60 dBm Squelch: --
Min. RF Att.: 0 dB Option: None
IF Att.: --
Autorange: On

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

MEASUREMENT RESULT: "Peak"

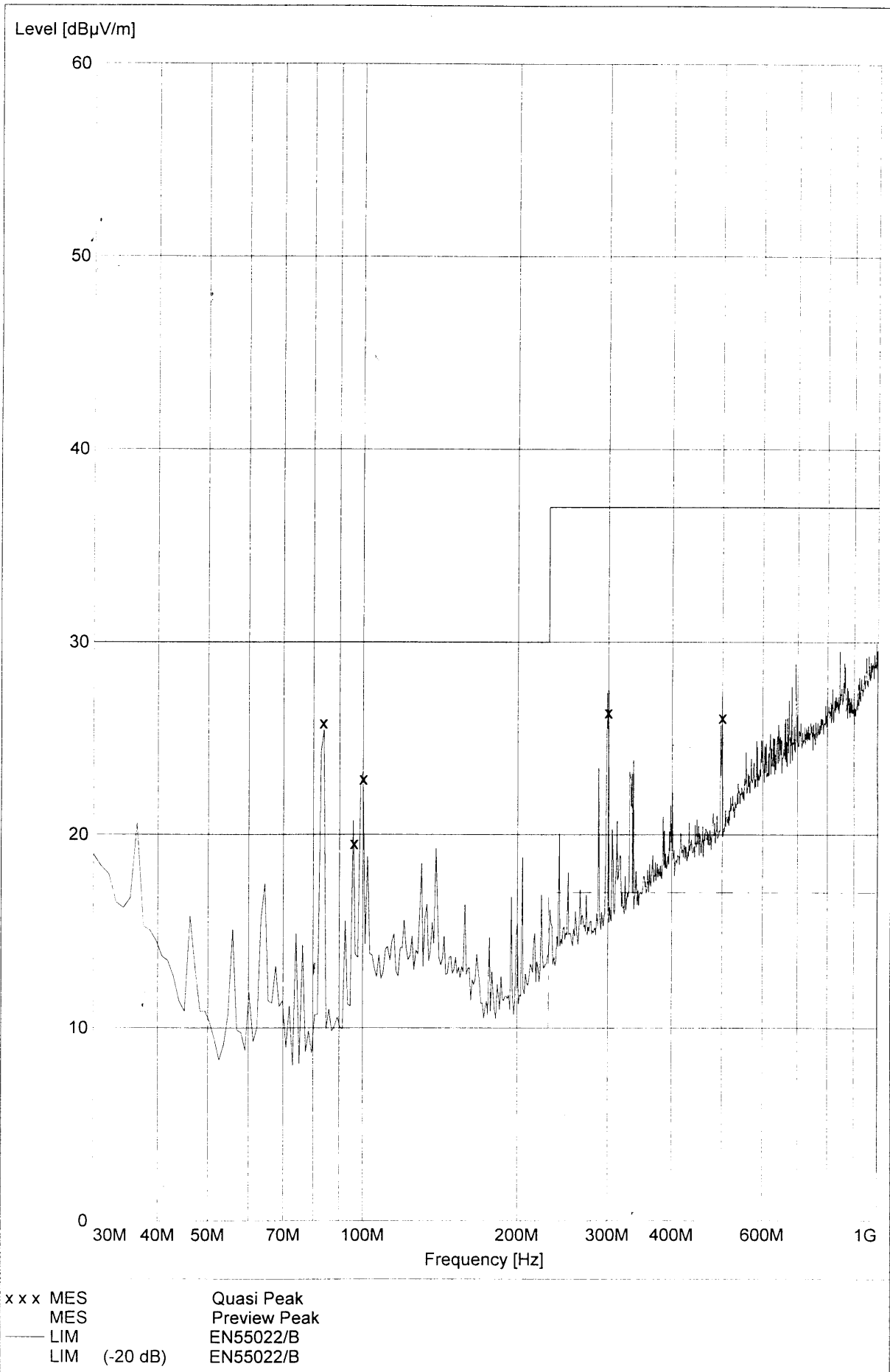
Frequency MHz	Level dB μ V/m	ANT POL	HEIGHT in [m]	ANGLE in deg
83.88888	25.43	VER	4.0000	300.00
95.74444	20.72	VER	2.8000	90.000

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100.05555	23.26	VER	1.6000	270.00
300.52222	27.50	VER	1.0000	0.0000
499.91111	27.29	HOR	2.2000	30.000

MEASUREMENT RESULT: "Quasi Peak"

Frequency MHz	Level dB μ V/m	LIMIT dB μ V/m	EXCEEDING dB	ANT POL	HEIGHT in [m]	ANGLE in deg
83.52000	25.80	30.000	-4.203102	VER	4.0000	300.00
96.00000	19.54	30.000	-10.45749	VER	2.8000	90.000
99.99000	22.90	30.000	-7.099297	VER	1.6000	270.00
300.06000	26.35	37.000	-10.65036	VER	1.0000	0.0000
500.19000	26.08	37.000	-10.91921	HOR	2.2000	30.000



Radiated emission according to:

to EN55022 class B

EUT: Scenic Edition Mi7 w. D1115-A10/450MHz
Manufacturer: SNI
Operating Condition: scroll H; 1024*768; 100 Hz
Test Site: SNI-Augsburg (Semi-anechoic chamber 10m)
Operator: A. Siebenhütter
Configuration: full configured MCM1705
Comment:
Start of Test:

SCAN TABLE: "FCC1-3GHz"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

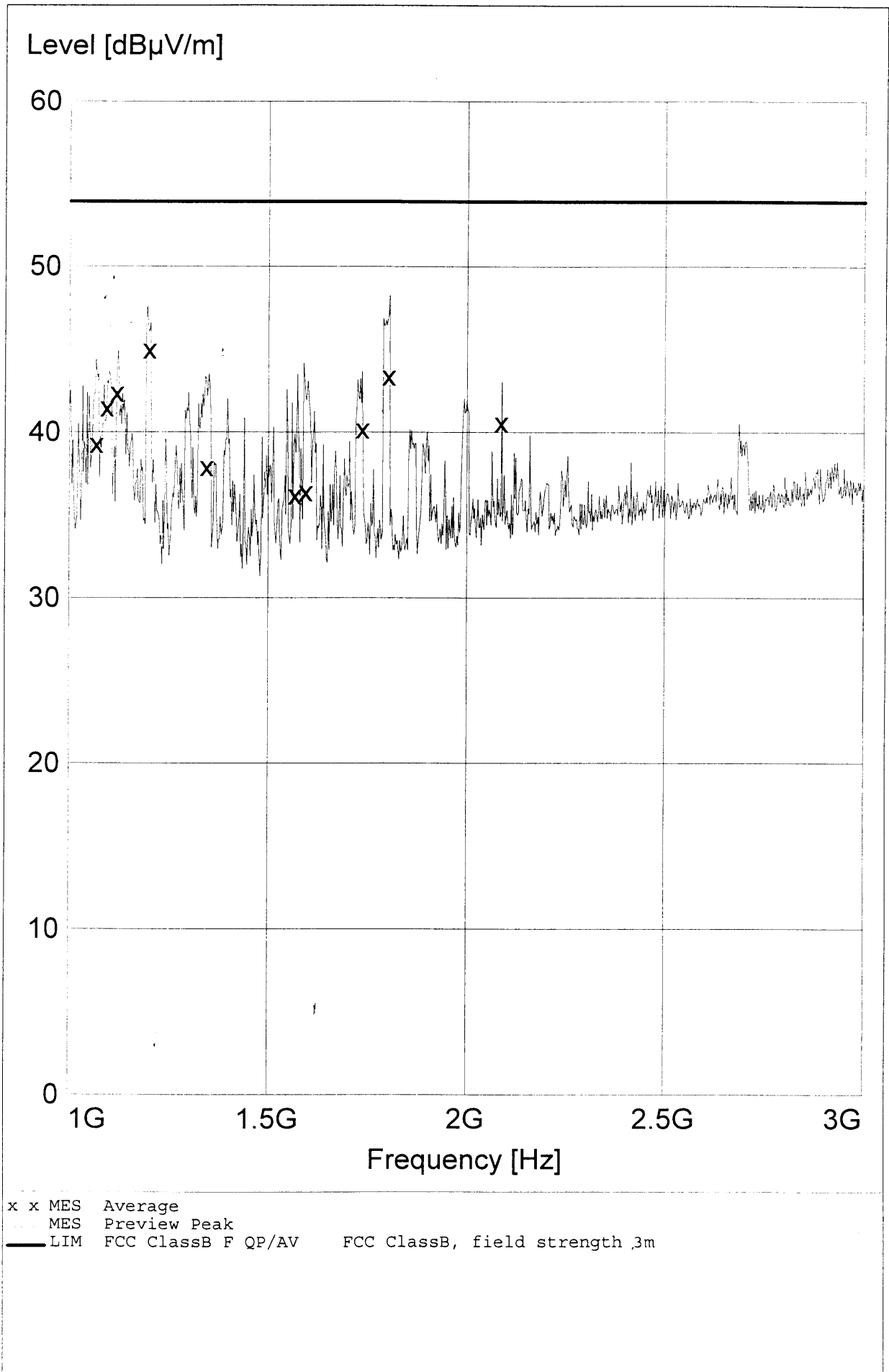
Subrange 1:

Start Frequency: 1.0 GHz Step Size: 300.0 kHz
Stop Frequency: 3.0 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: -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: "Average"

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Frequency MHz	Level dB μ V/m	Transd dB	Limit dB μ V/m	Margin dB	Height cm	Azimuth deg	Polarisation
1067.200000	39.30	9.2	53.9	14.5	100.0	59.00	VERTICAL
1093.600000	41.50	9.2	53.9	12.3	160.0	330.00	HORIZONTAL
1118.800000	42.40	8.7	53.9	11.4	160.0	330.00	HORIZONTAL
1201.000000	45.00	8.3	53.9	8.8	160.0	330.00	VERTICAL
1344.700000	37.90	9.2	53.9	15.9	160.0	29.00	VERTICAL
1566.700000	36.20	9.9	53.9	17.6	160.0	119.00	VERTICAL
1594.000000	36.40	10.0	53.9	17.4	100.0	330.00	VERTICAL
1735.600000	40.20	11.4	53.9	13.6	100.0	0.00	VERTICAL
1802.200000	43.40	10.8	53.9	10.4	100.0	330.00	VERTICAL
2086.000000	40.60	12.1	53.9	13.2	100.0	210.00	HORIZONTAL