

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

EUT: PCMCIA board TopSec 701
Manufacturer: Siemens AG
Operating Condition: data transfer
Test Site: Fujitsu Siemens Computers Augsburg SK1
Operator: C. Brummer
Configuration: Full configuration with Mobile 800
Comment: Monitor power from peripheral device LISN
Start of Test: 13.01.00 / 11:04:27

SCAN TABLE: "Volt_015-30MHZ"

Unit: dBµV

Detector: Mode:

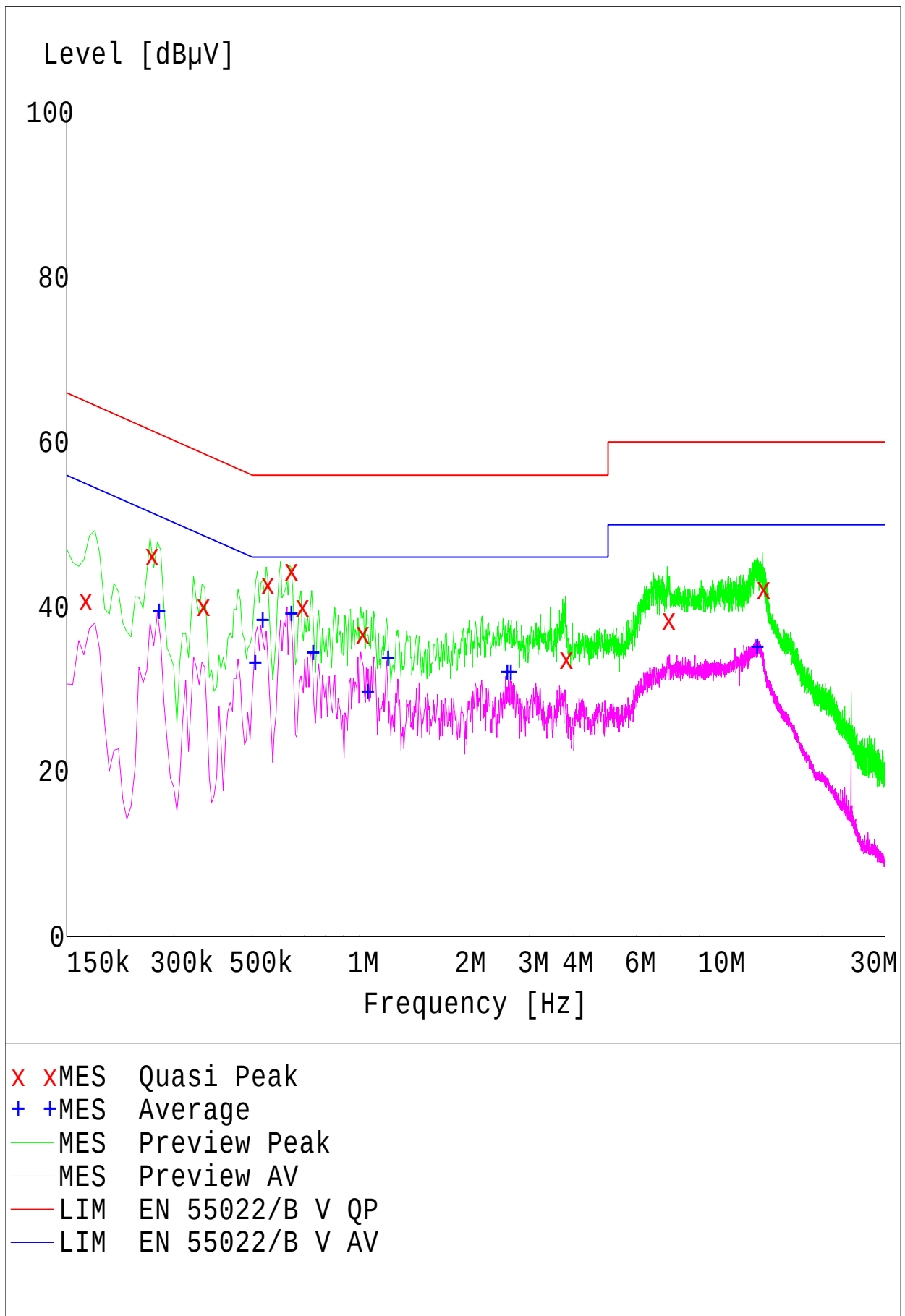
Curve 1: MaxPeak MaxHold
Curve 2: Average MaxHold

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"

13.01.00 11:22

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.168000	40.80	10.0	65	24.3	N	GND
0.258000	46.20	10.0	62	15.3	L1	GND
0.360000	40.10	10.0	59	18.6	L1	GND
0.546000	42.70	10.0	56	13.3	N	GND
0.636000	44.40	10.0	56	11.6	L1	GND
0.684000	40.00	10.0	56	16.0	L1	GND
1.008000	36.80	10.0	56	19.2	N	GND
3.768000	33.60	10.0	56	22.4	L1	GND
7.320000	38.40	10.0	60	21.6	L1	GND
13.554000	42.20	10.0	60	17.9	L1	GND

MEASUREMENT RESULT: "Average"

13.01.00 11:22

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.270000	39.40	10.0	51	11.7	L1	GND
0.504000	33.10	10.0	46	12.9	N	GND
0.528000	38.30	10.0	46	7.7	N	GND
0.636000	39.10	10.0	46	7.0	N	GND
0.732000	34.40	10.0	46	11.6	L1	GND
1.044000	29.70	10.0	46	16.3	L1	GND
1.188000	33.60	10.0	46	12.4	L1	GND
2.574000	32.00	10.0	46	14.0	L1	GND
2.634000	32.00	10.0	46	14.0	L1	GND
12.966000	35.10	10.0	50	14.9	L1	GND

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

EUT: PCMCIA board TopSec 701
Manufacturer: Siemens AG
Operating Condition: data transfer
Test Site: Fujitsu Siemens Computers Augsburg (10 m Semi Anechoic Chamber)
Operator: M. Heuser
Configuration: Full configuration with Mobile 800
Comment:
Start of Test: 14.01.00 / 11:59:23

SCAN TABLE: "10m/30-1000"

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

Detector: Mode:

Curve 1: MaxPeak ClearWrite

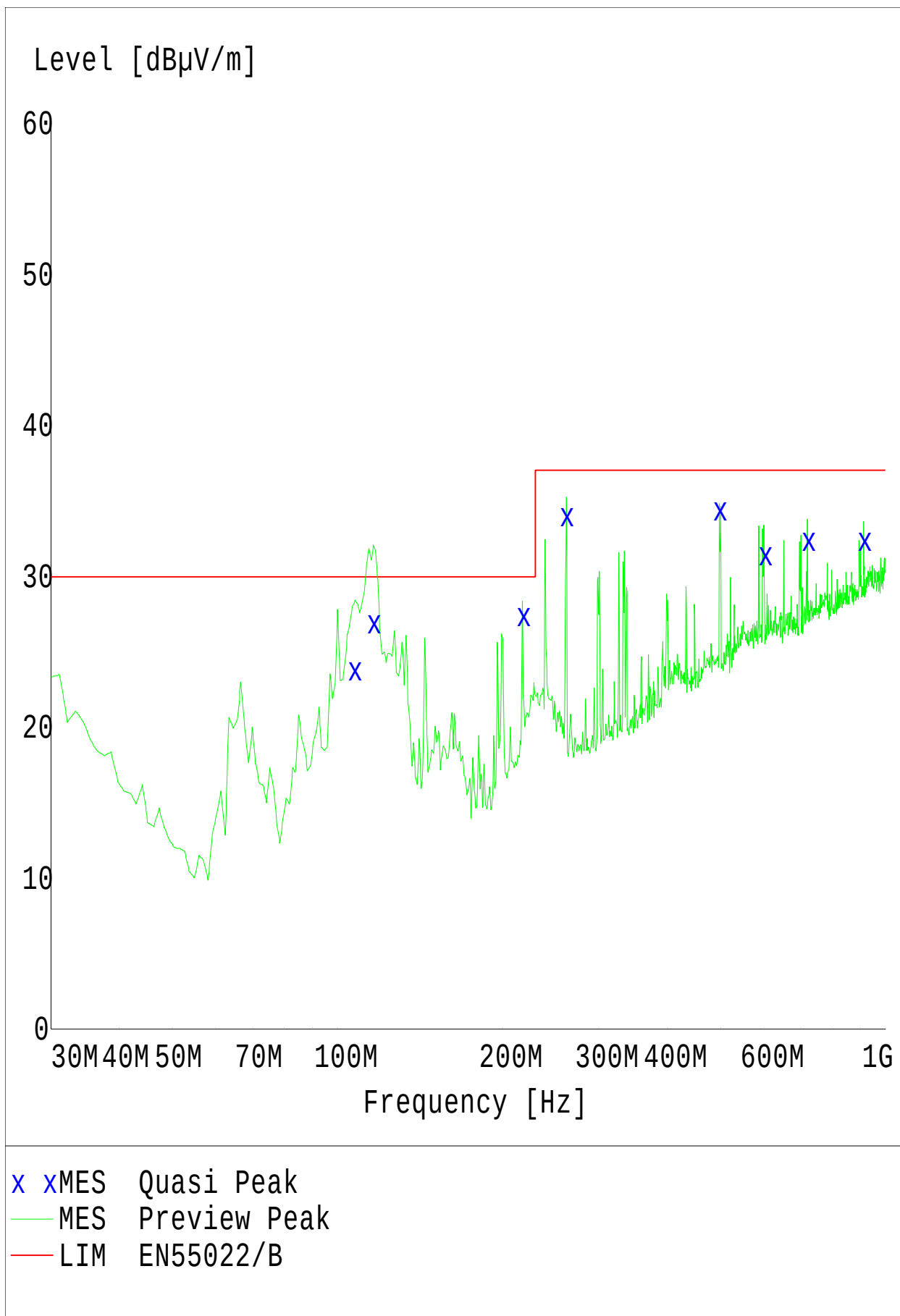
Subrange 1:

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"

14.01.00 12:49

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
107.100000	23.80	12.2	30.0	6.2	100.0	330.00	VERTICAL
115.800000	26.90	12.5	30.0	3.1	100.0	59.00	VERTICAL
217.140000	27.40	9.6	30.0	2.6	100.0	210.00	VERTICAL
260.580000	34.00	13.9	37.0	3.0	100.0	150.00	VERTICAL
496.830000	34.40	19.4	37.0	2.6	200.0	210.00	HORIZONTAL
599.910000	31.40	21.0	37.0	5.6	200.0	180.00	HORIZONTAL
720.000000	32.40	22.3	37.0	4.6	100.0	0.00	HORIZONTAL
912.030000	32.40	23.6	37.0	4.6	100.0	0.00	HORIZONTAL

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

EUT: PCMCIA board TopSec 701
Manufacturer: Siemens AG
Operating Condition: data transfer
Test Site: Fujitsu Siemens Computers Augsburg (Semi anechoic chamber 10 m)
Operator: M. Heuser
Configuration: Full configuration with Mobile 800
Comment:
Start of Test: 14.01.00 / 12:28:16

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

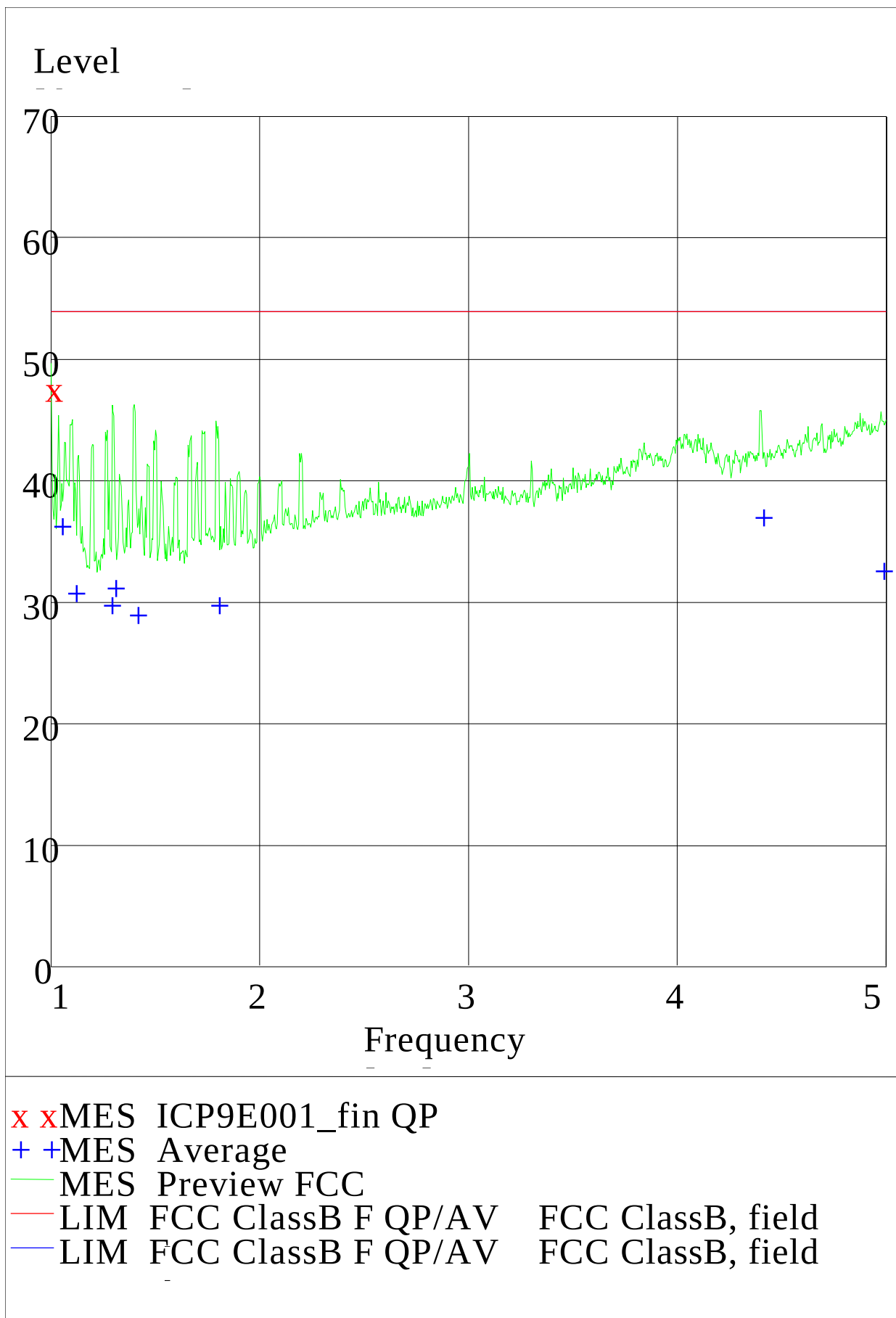
Subrange 1:

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: -30.0 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: "ICP9E001_fin QP"

14.01.00 13:18

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1000.000000	47.90	7.9	53.9	6.0	100.0	0.00	HORIZONTAL

MEASUREMENT RESULT: "Average"

14.01.00 13:18

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
1036.600000	36.60	8.9	53.9	17.3	140.0	0.00	VERTICAL
1103.800000	31.10	9.1	53.9	22.8	140.0	59.00	VERTICAL
1275.700000	30.10	8.8	53.9	23.8	140.0	59.00	VERTICAL
1291.900000	31.50	9.1	53.9	22.4	100.0	239.00	HORIZONTAL
1399.900000	29.30	9.1	53.9	24.6	100.0	29.00	VERTICAL
1788.700000	30.10	11.0	53.9	23.8	100.0	0.00	HORIZONTAL
4393.300000	37.30	16.5	53.9	16.6	140.0	210.00	HORIZONTAL
4969.900000	32.90	19.6	53.9	21.0	300.0	239.00	HORIZONTAL