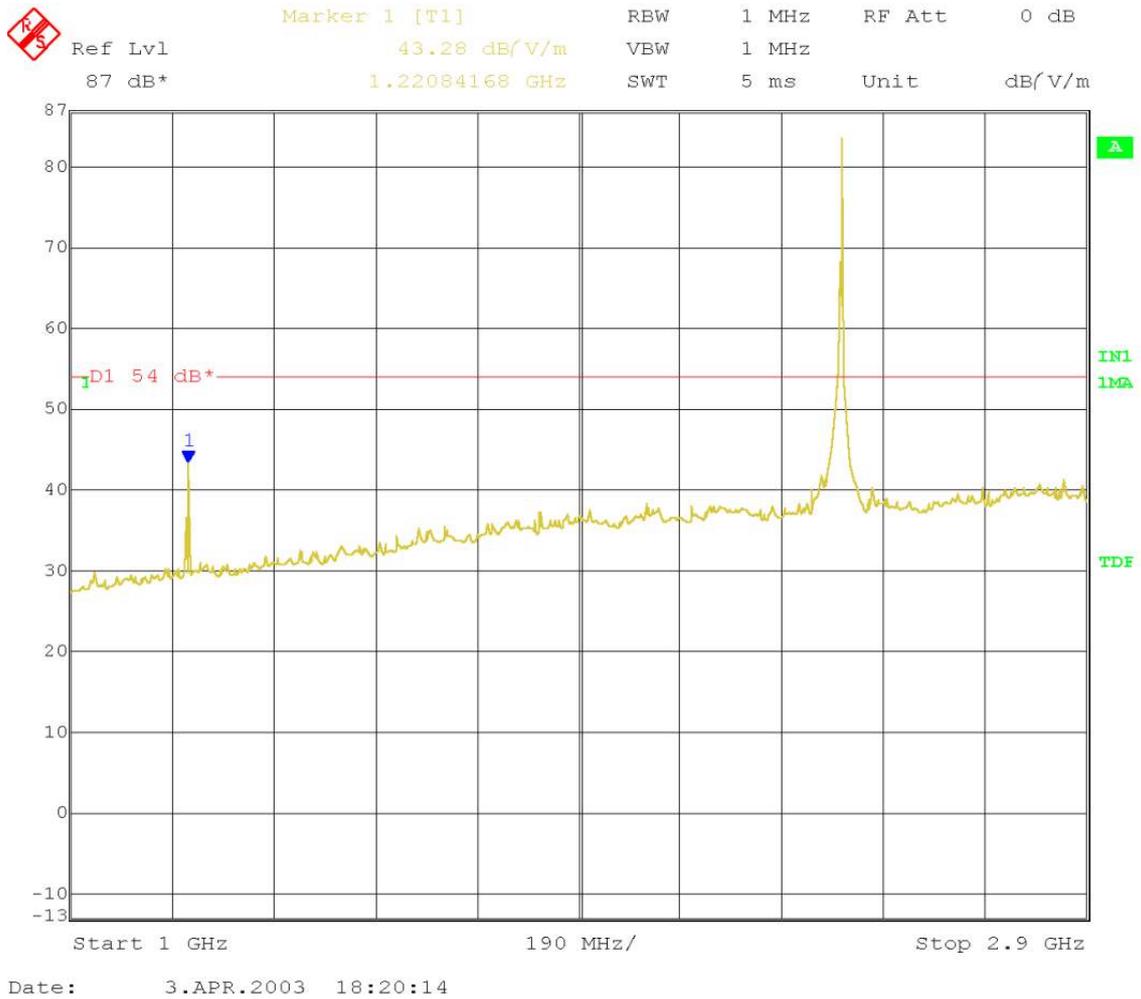


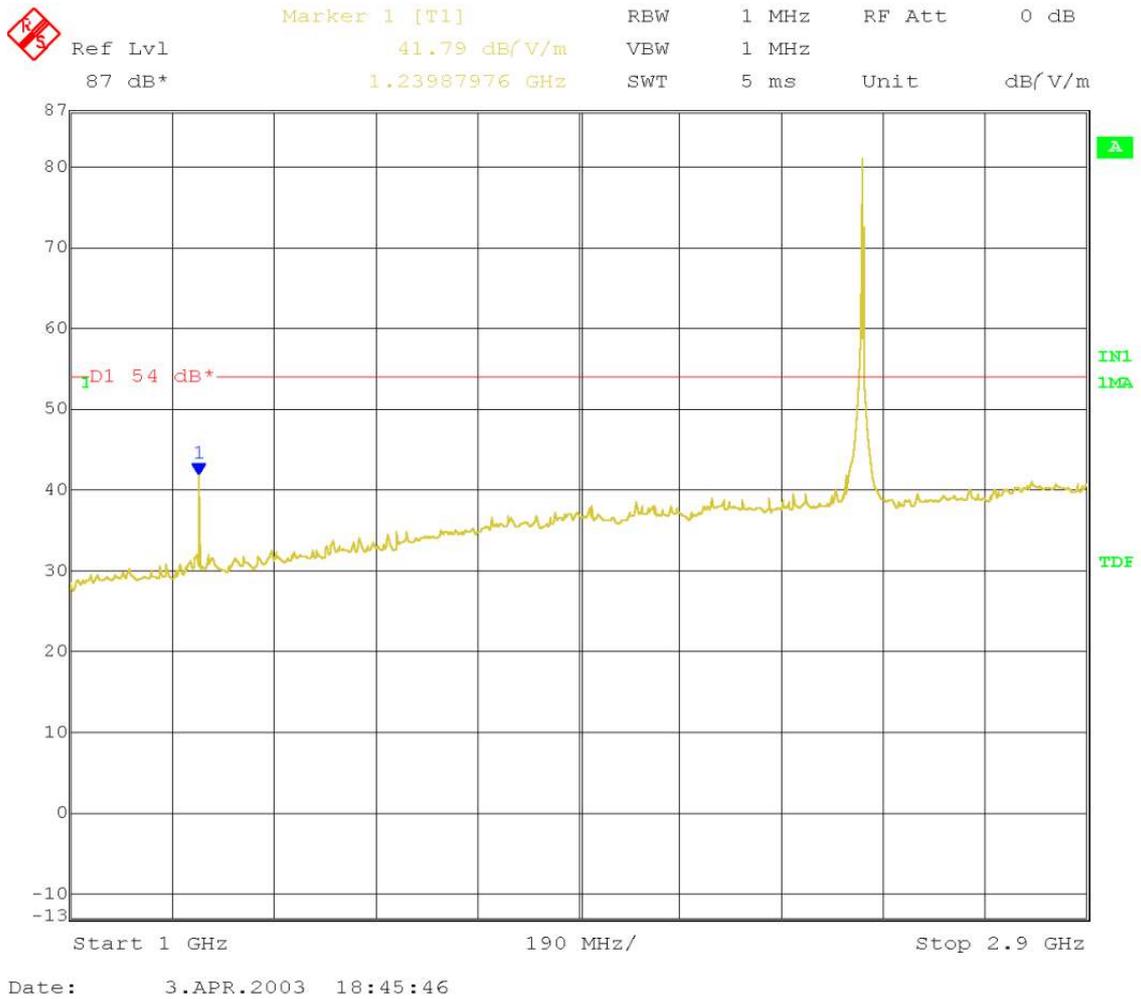
CHANNEL: Middle (2441 MHz).



Note: The peak above the limit is the carrier frequency.

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| Report No: 18376RET.102 Date: 2003-05-07 | | Page: 12 of 25 Annex A |
|--|--|-------------------------------|

CHANNEL: Highest (2480 MHz).

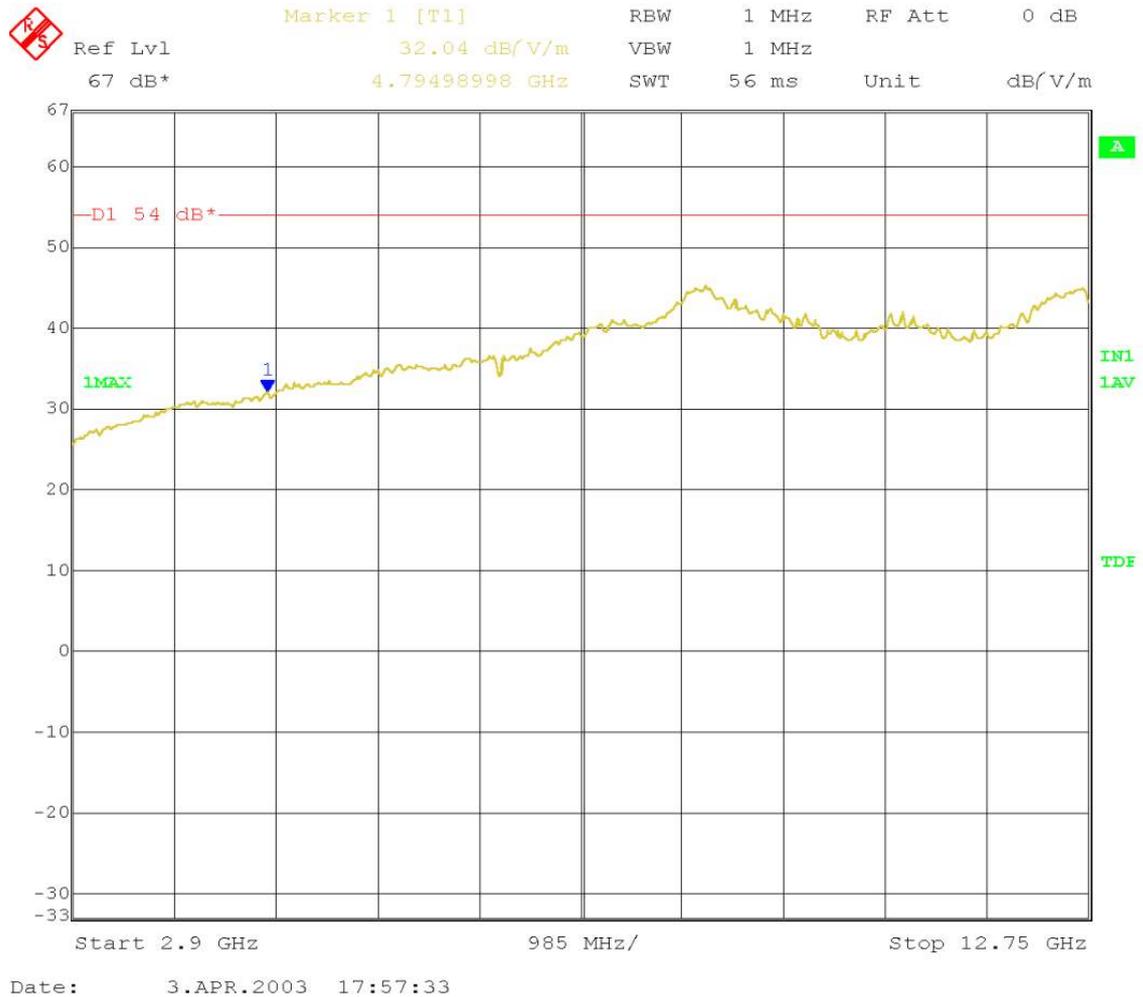


Note: The peak above the limit is the carrier frequency.

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| Report No: 18376RET.102 Date: 2003-05-07 | | Page: 13 of 25 Annex A |
|--|--|-------------------------------|

FREQUENCY RANGE 2.9 GHz to 12.75 GHz.

CHANNEL: Lowest (2402 MHz).



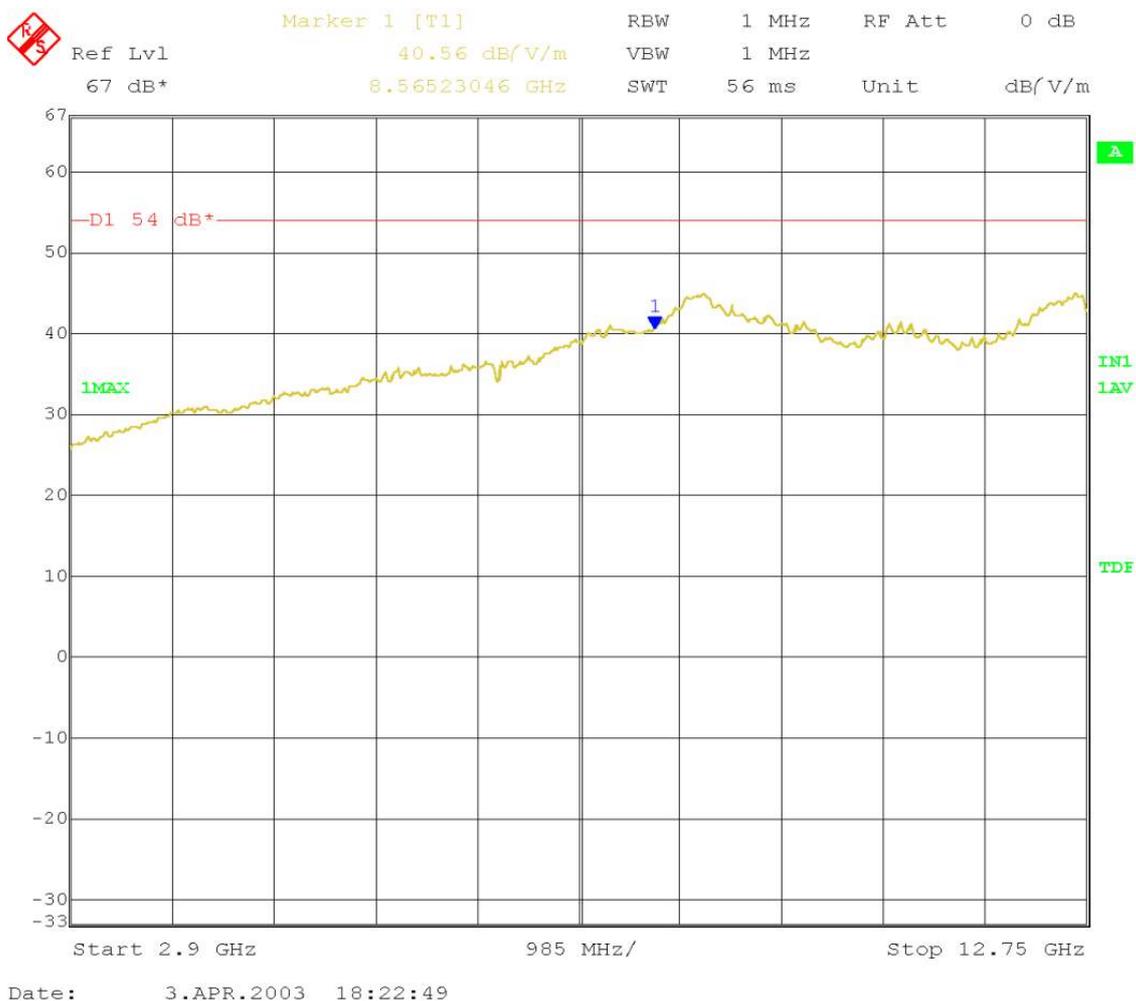
Report No:
18376RET.102

Date: 2003-05-07

Page: 14 of 25

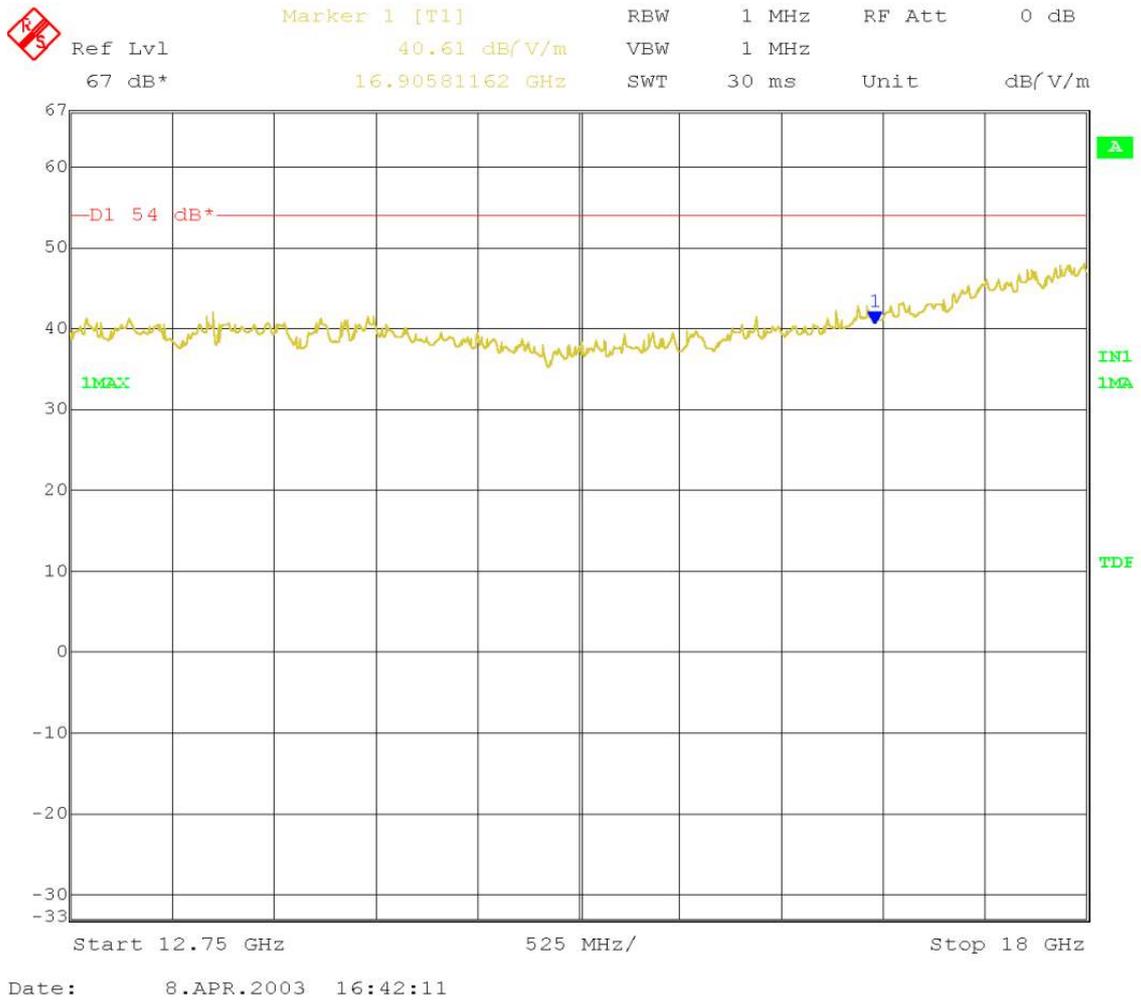
Annex A

CHANNEL: Middle (2441 MHz).



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|--|--|-------------------------------|
| Report No: 18376RET.102 Date: 2003-05-07 | | Page: 15 of 25 Annex A |
|--|--|-------------------------------|

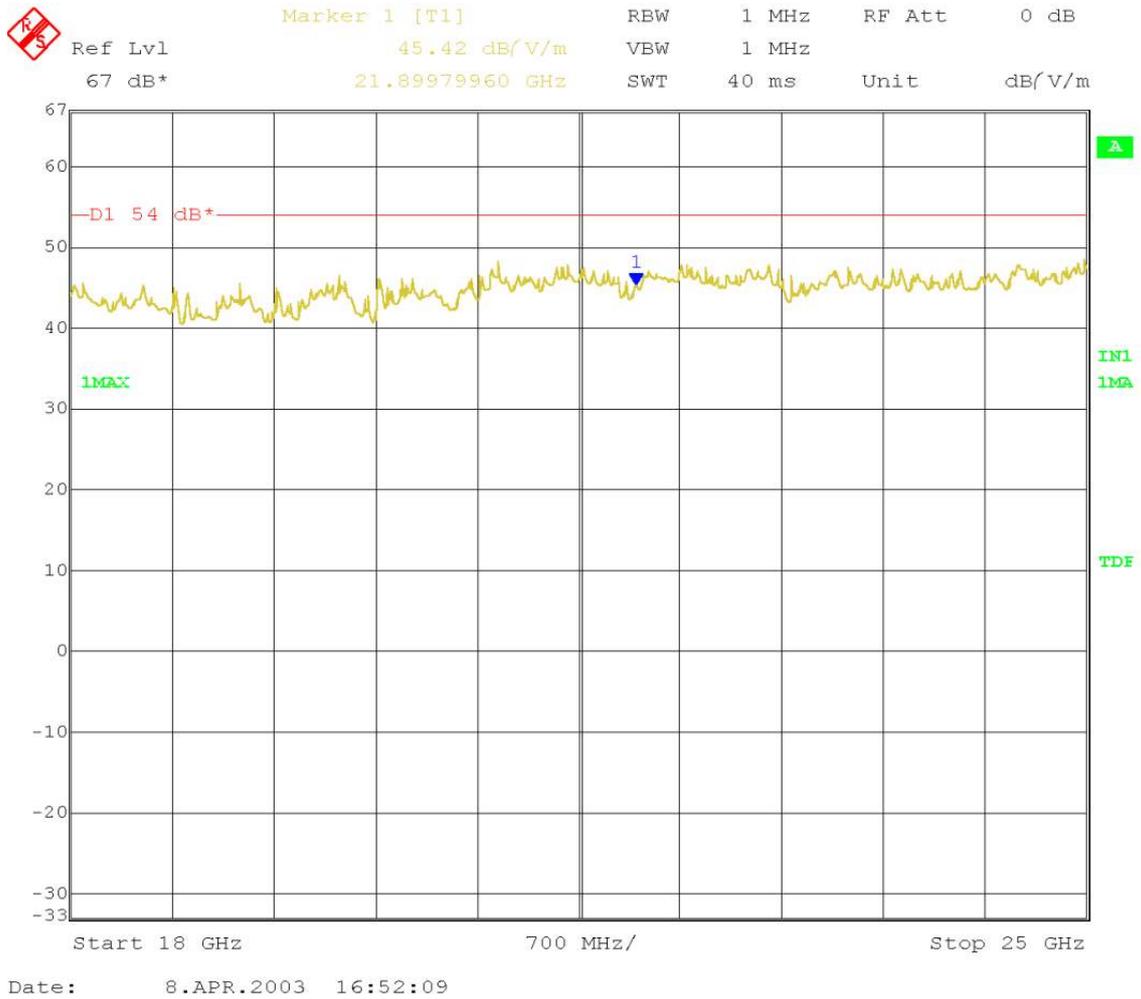
FREQUENCY RANGE 12.75 GHz to 18 GHz.



(This plot is valid for all three channels).

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| Report No: 18376RET.102 Date: 2003-05-07 | | Page: 17 of 25 Annex A |
|--|--|-------------------------------|

FREQUENCY RANGE 18 GHz to 25 GHz.



(This plot is valid for all three channels).

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| Report No: 18376RET.102 Date: 2003-05-07 | | Page: 18 of 25 Annex A |
|--|--|-------------------------------|

Section 15.109. Receiver spurious radiation

SPECIFICATION

The field strength shall not exceed the following values:

| Frequency Range (MHz) | Field strength ($\mu\text{V}/\text{m}$) | Field strength ($\text{dB}\mu\text{V}/\text{m}$) | Measurement distance (m) |
|-----------------------|---|--|--------------------------|
| 0.009-0.490 | 2400/F(kHz) | - | 300 |
| 0.490-1.705 | 24000/F(kHz) | - | 300 |
| 1.705 - 30.0 | 30 | - | 30 |
| 30 - 88 | 100 | 40 | 3 |
| 88 - 216 | 150 | 43.5 | 3 |
| 216 - 960 | 200 | 46 | 3 |
| 960 - 25000 | 500 | 54 | 3 |

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

RESULTS:

The situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

All tests were performed in a semi-anechoic chamber at a distance of 3 m for the frequency range 30 MHz-1000 MHz and at distance of 1m for the frequency range 1 GHz-25 GHz.

The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

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|----------------------------|--|----------------|
| Report No: 18376RET.102 | | Page: 19 of 25 |
| Date: 2003-05-07 | | Annex A |

Frequency range 30 MHz-1000 MHz.

Highest spurious levels:

| Spurious frequency (MHz) | Polarization | Detector | Emission Level (dB μ V/m) | Measurement Uncertainty (dB) |
|--------------------------|--------------|------------|-------------------------------|------------------------------|
| 80.200 | Vertical | Quasi-Peak | 15.6 | ± 3.8 |
| 135.988 | Vertical | Quasi-Peak | 24.3 | ± 3.8 |
| 136.951 | Vertical | Quasi-Peak | 16.1 | ± 3.8 |
| 137.333 | Vertical | Quasi-Peak | 20.3 | ± 3.8 |
| 140.900 | Vertical | Quasi-Peak | 17.9 | ± 3.8 |
| 142.300 | Vertical | Quasi-Peak | 15.6 | ± 3.8 |

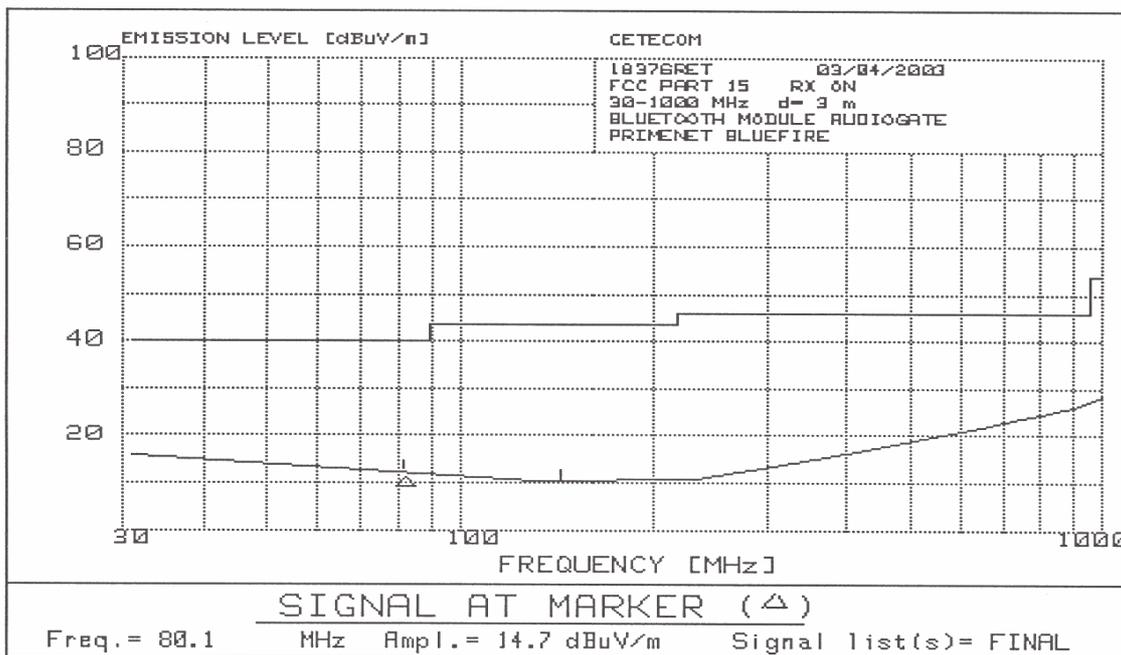
Frequency range 1 GHz-25 GHz.

No spurious signals found.

Verdict: PASS

FREQUENCY RANGE 30 MHz-1000 MHz.

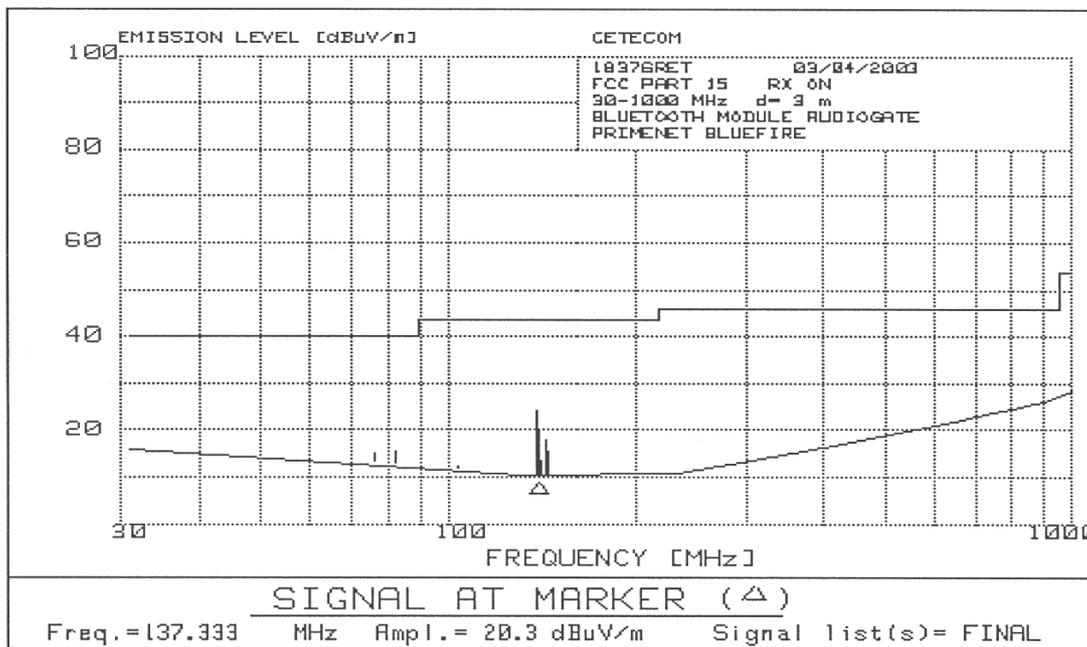
Polarization: Horizontal.



Resolution bandwidth= 100 kHz

Video bandwidth= 100 kHz

Polarization: Vertical.

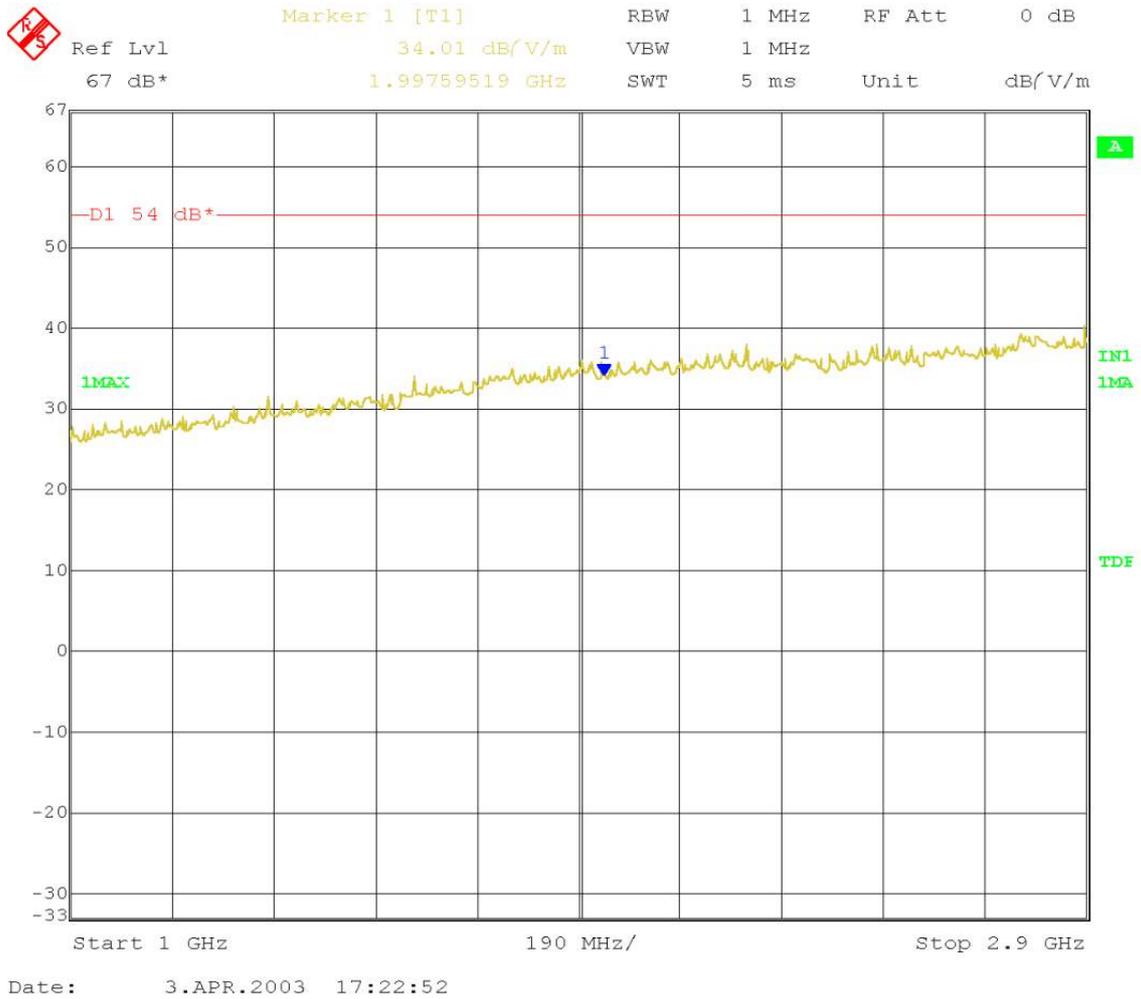


Resolution bandwidth= 100 kHz

Video bandwidth= 100 kHz

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|--|--|--------------------------------------|
| <p>Report No: 18376RET.102</p> <p>Date: 2003-05-07</p> | | <p>Page: 21 of 25</p> <p>Annex A</p> |
|--|--|--------------------------------------|

FREQUENCY RANGE 1 GHz-2.9 GHz.



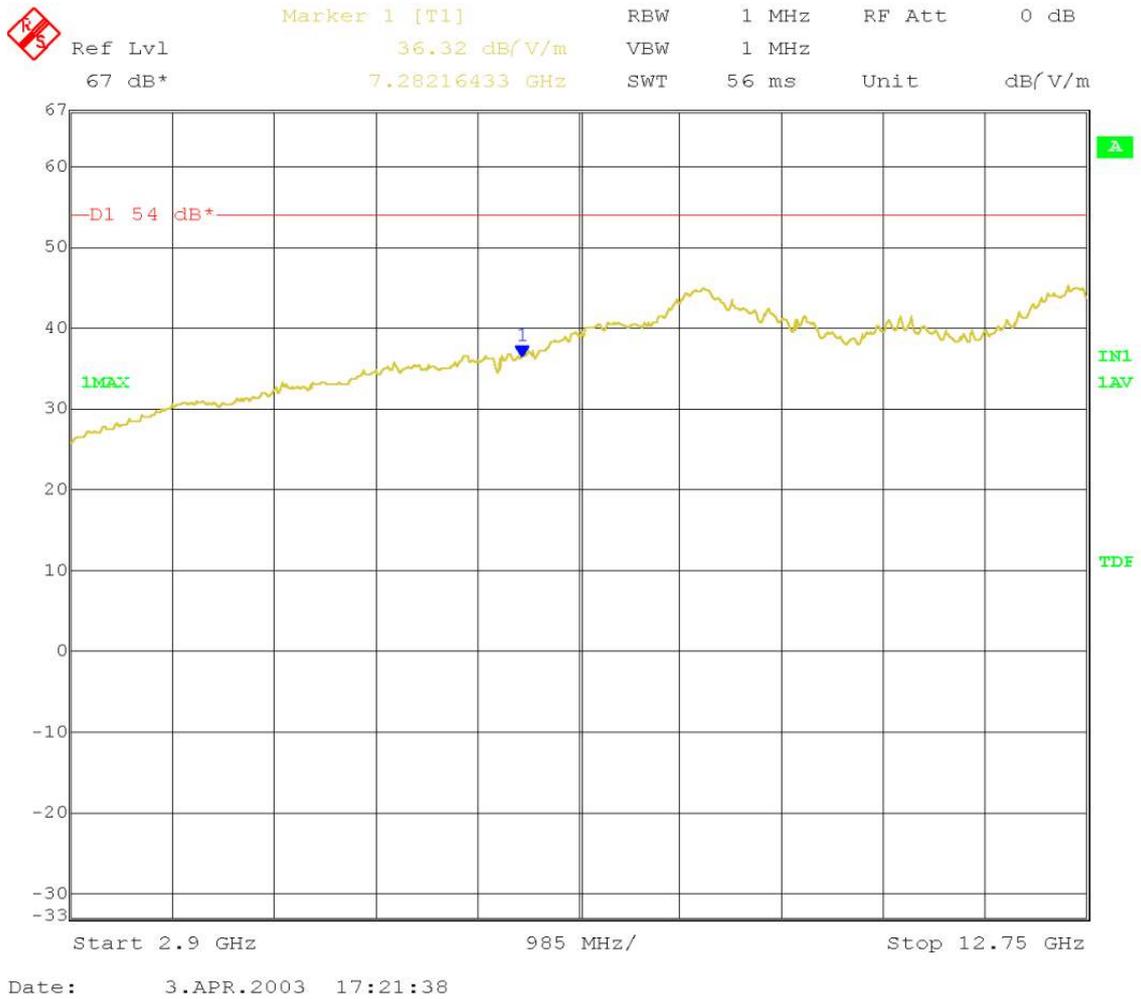
Report No:
18376RET.102

Date: 2003-05-07

Page: 22 of 25

Annex A

FREQUENCY RANGE 2.9 GHz-12.75 GHz.



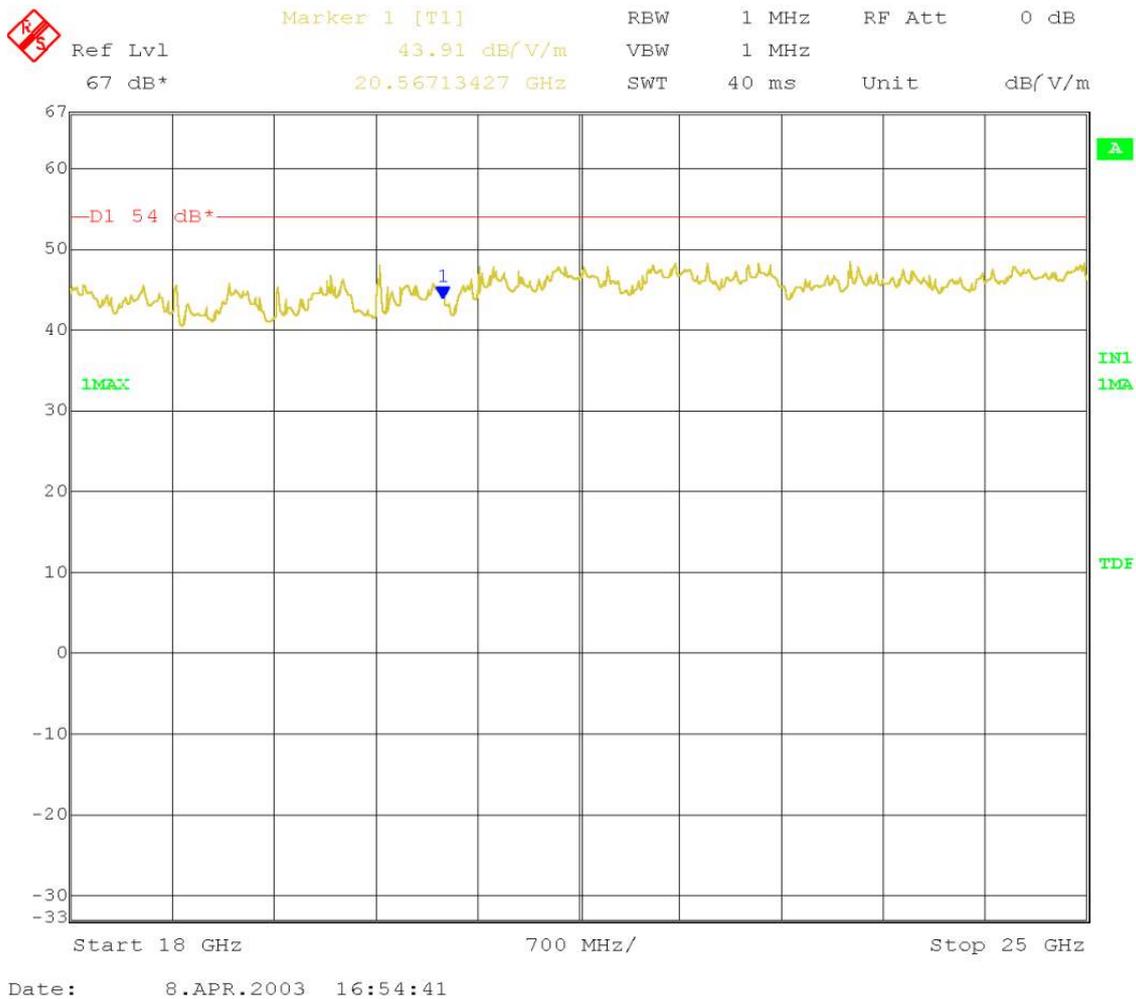
Report No:
18376RET.102

Date: 2003-05-07

Page: 23 of 25

Annex A

FREQUENCY RANGE 18 GHz-25 GHz.



Report No:
18376RET.102

Date: 2003-05-07

Page: 25 of 25

Annex A

ANNEX B

PHOTOGRAPHS

(Number of photographs: 4)

Report No.: 18376RET.102

Report No.:
18376RET.102

Date: 2003-05-07

Page: 1 of 5

Annex B

1. Equipment (external view)



Report No.:
18376RET.102

Date: 2003-05-07

Page: 2 of 5

Annex B

2. General test set-up for radiated measurements.

| | | |
|-----------------------------|--|--------------|
| Report No.: 18376RET.102 | | Page: 3 of 5 |
| Date: 2003-05-07 | | Annex B |

3. Test set-up for radiated measurements below 1 GHz.



Report No.:
18376RET.102

Date: 2003-05-07

FET18_00.DOC

Page: 4 of 5

Annex B

4. Test set-up for radiated measurements above 1 GHz.



Report No.:
18376RET.102

Date: 2003-05-07

FET18_00.DOC

Page: 5 of 5

Annex B