

Maximum Field strength

| RF channel | Ch 11 |
|-----------------------------|--------|
| VP: Measured value (dBμV/m) | 101.50 |
| HP: Measured value (dBμV/m) | 94.21 |

Radiated Emissions with antenna, 1-25 GHz, peak

1-18 GHz measured at a distance of 3m, 18-25 GHz measured at 1m.

Measured with Peak Detector

| Frequency | RF channel | Dist. corr. factor | Field strength, Peak, 3m | Duty cycle corr. factor | Limit | Margin |
|-----------|------------|--------------------|--------------------------|-------------------------|--------|--------|
| GHz | 11-26 | dB | dBμV/m | dB | dBμV/m | dB |
| 4.811 | 11 | 0 | 53.91 | - | 74 | 20.09 |
| 4.881 | 18 | 0 | - | - | 74 | - |
| 4.960 | 26 | 0 | - | - | 74 | - |
| 5 - 25 | 11,18,26 | 0 | None detected | - | - | - |

Radiated emissions with antenna, 1- 25 GHz, Average
Measured with Average Detector

| Frequency | RF channel | Dist. corr. factor | Field strength, Peak, 3 meters | Duty Cycle correction factor | Limit | Margin |
|-----------|------------|--------------------|--------------------------------|------------------------------|--------|--------|
| GHz | 11-26 | dB | dBμV/m | dB | dBμV/m | dB |
| 4.809 | 11 | 0 | 53.91 | 11 | 54 | 11.09 |
| 4.889 | 18 | 0 | - | 11 | 54 | - |
| 4.958 | 26 | 0 | - | 11 | 54 | - |
| 5 - 25 | 11,18,26 | 0 | None detected | - | - | - |

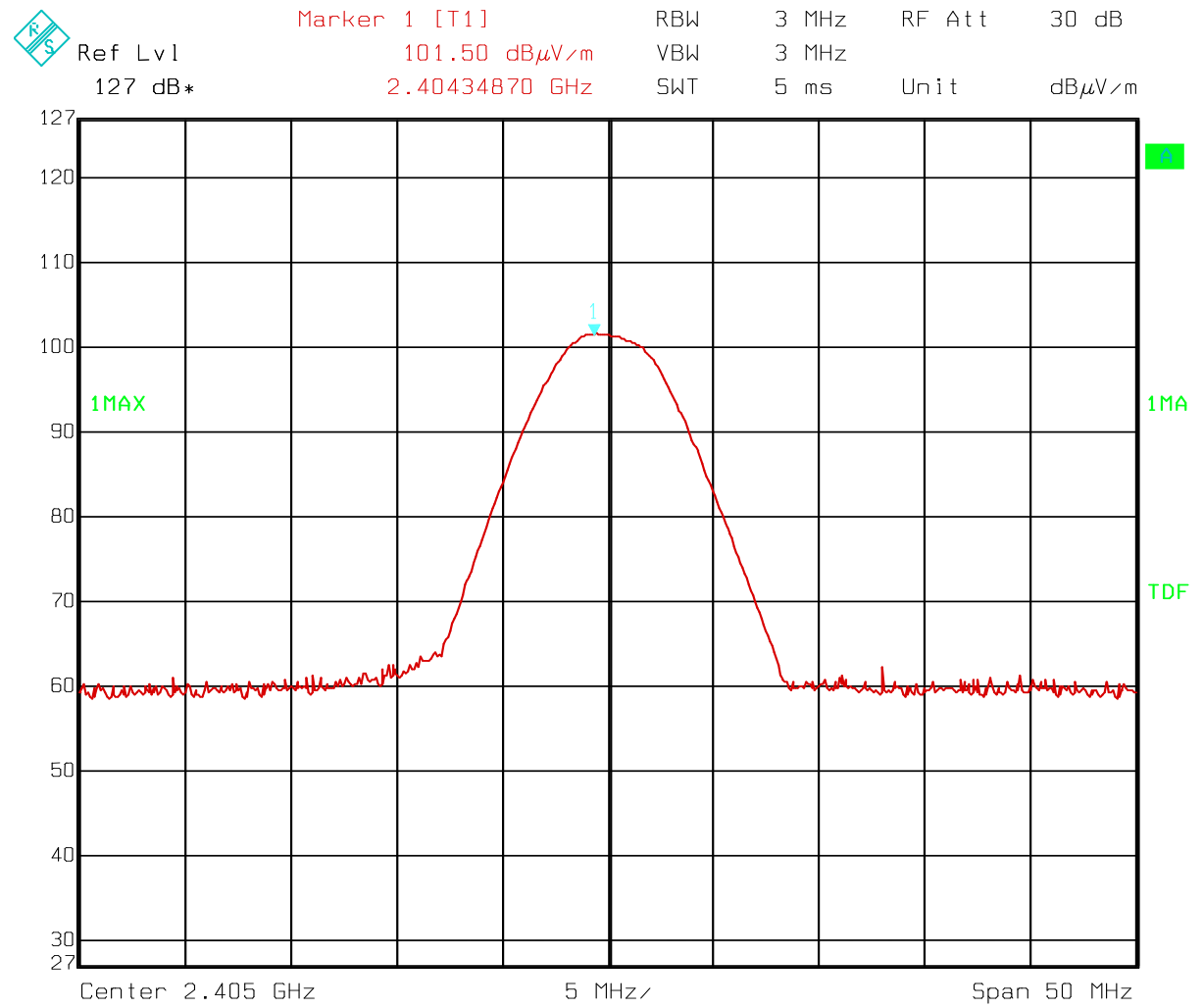
The maximum is observed in vertical polarization

Antenna factor, amplifier gain and cable loss are included in spectrum analyzer "Transducer factor".

Restricted bands according to part 15.205 : 2310 – 2390 MHz ,483.5 – 2500 MHz, 7.250 – 7.750 GHz , 10.6 - 12.7 GHz , 14.47 - 14.5GHz and 15.35 - 16.2 GHz

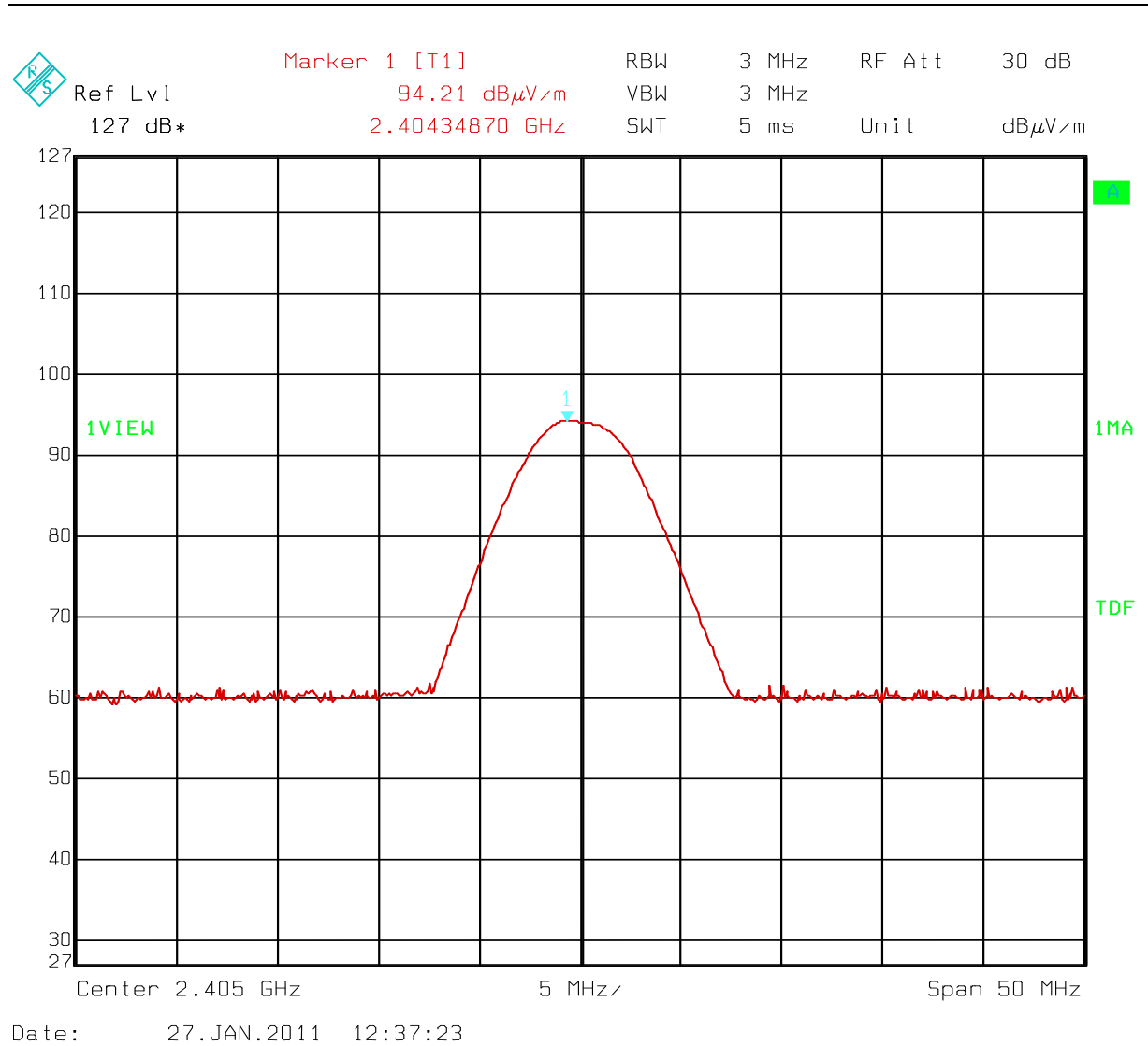
Requirement:

(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

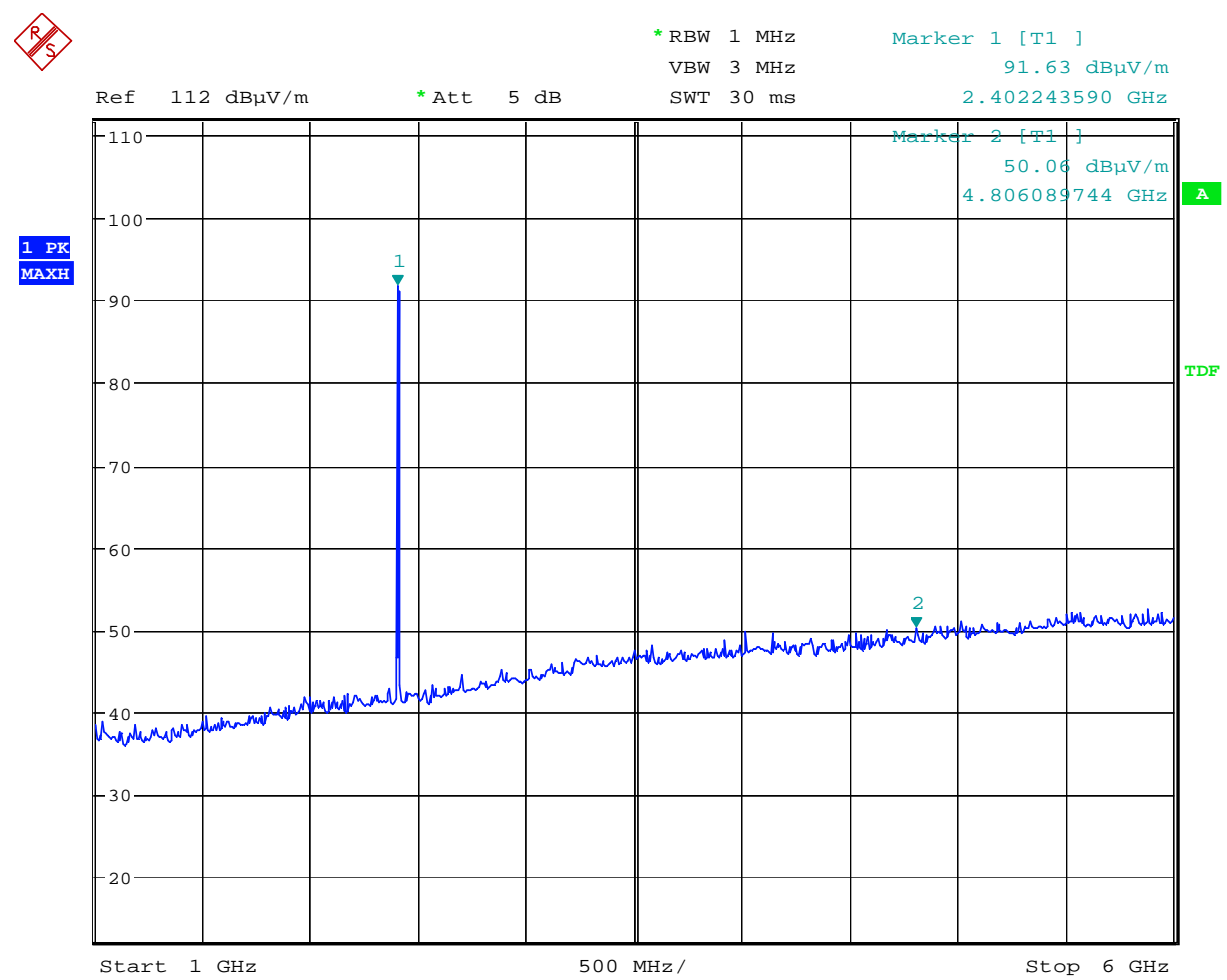


Date: 27.JAN.2011 12:33:15

Ch11: Field strength with ACARA antenna – VP

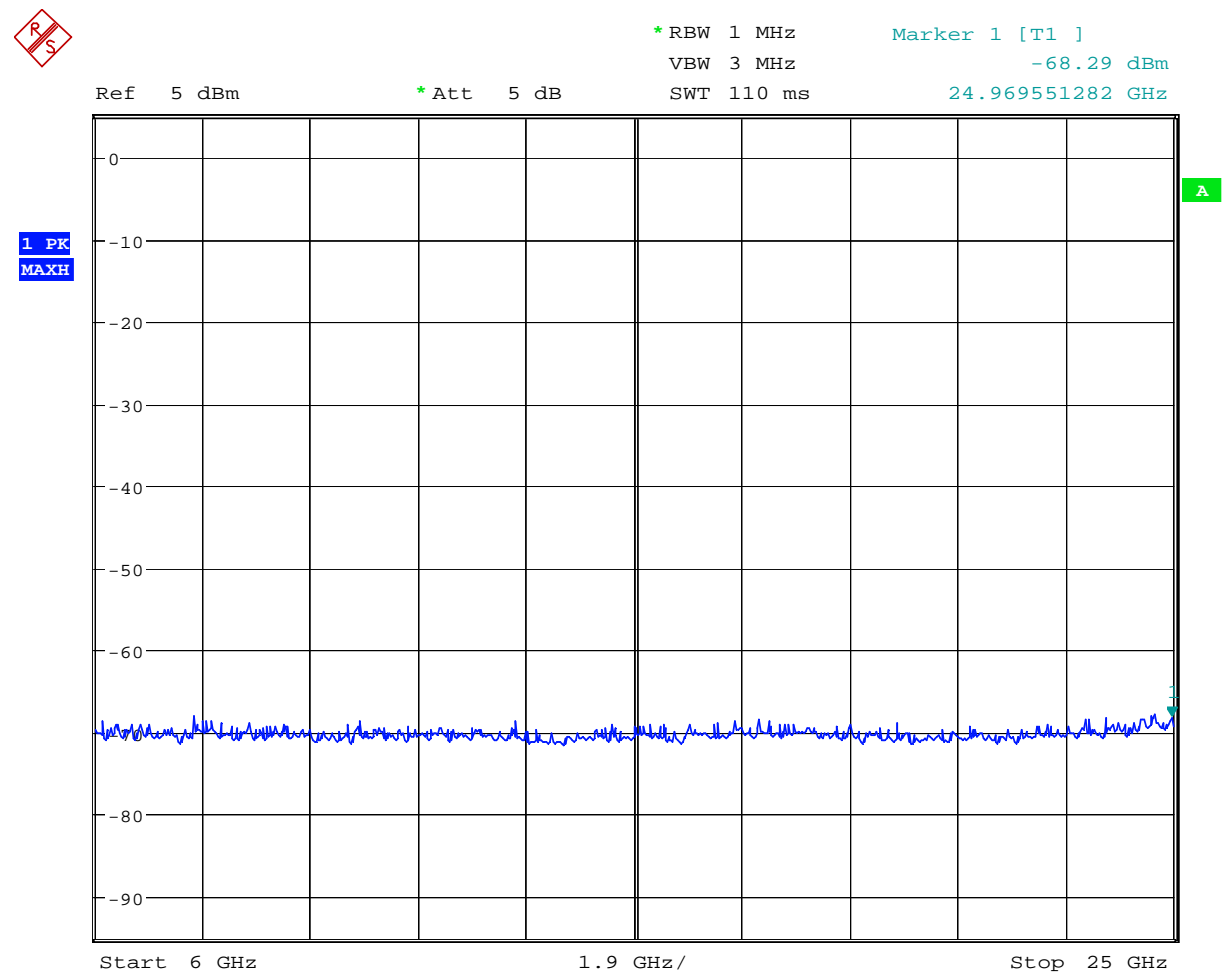


Ch11: Field strength with ACARA antenna – HP



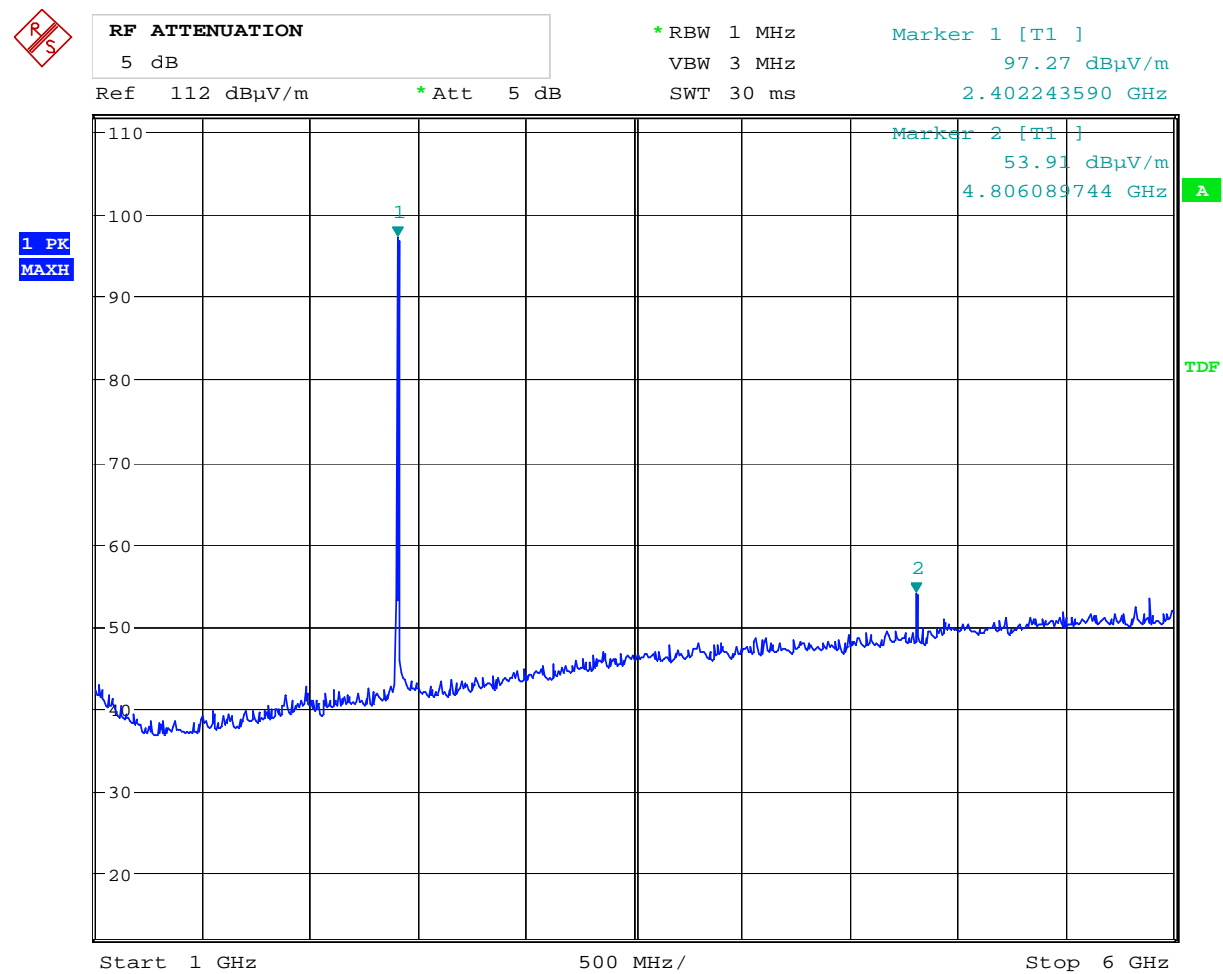
Date: 9.DEC.2010 14:36:43

CH 11-HP, scan 1 - 6GHz



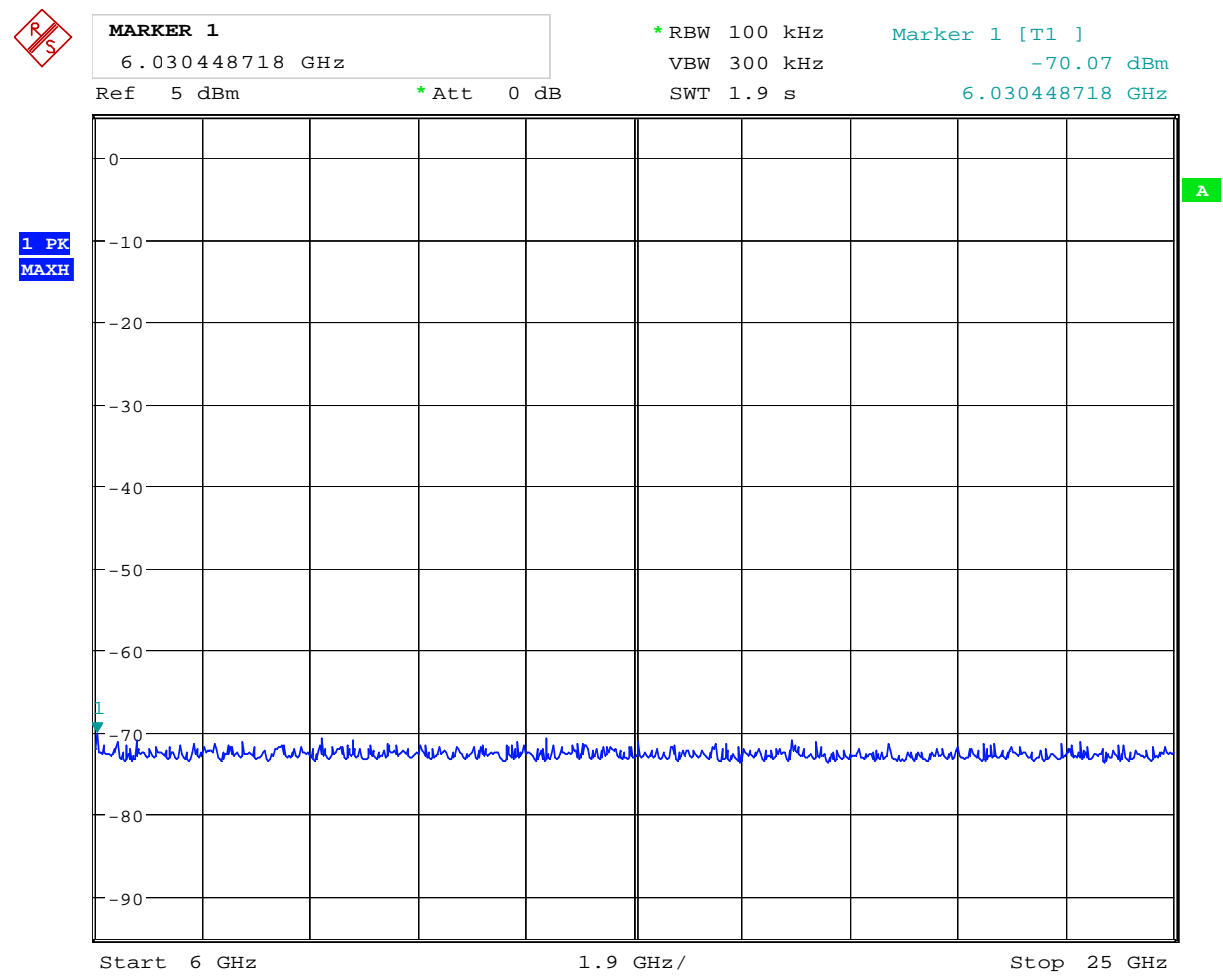
Date: 9.DEC.2010 14:37:53

CH 11-HP, pre-view scan 6 - 25GHz



Date: 9.DEC.2010 14:35:57

CH 11-VP, scan 1 - 6GHz



Date: 9.DEC.2010 14:34:01

CH 11-HP, pre-view scan 6- 25GHz

1 LIST OF TEST EQUIPMENT

To facilitate inclusion on each page of the test equipment used for related tests, each item of test equipment and ancillaries are identified (numbered) by the Test Laboratory.

| No. | Model number | Description | Manufacturer | Ref. no. | Cal. date | Cal. Due |
|-----|----------------------|---------------------|--------------------|----------|------------|------------|
| 1. | FSU26 | Spectrum Analyzer | Rohde & Schwarz | LR 1504 | 28.09.2010 | 28.09.2011 |
| 2. | ESCI | EMI Receiver | Rohde & Schwarz | N 4259 | 09.09.2010 | 09.09.2011 |
| 3. | FSEK 1088,3494,30 | Spectrum Analyzer | R&S | 1337 | 15.12.2010 | 15.12.2011 |
| 4. | U2000A | USB power meter | Agilent Technology | LR 1523 | 15.01.2010 | 15.01.2011 |
| 5. | 3115 | Antenna horn | EMCO | LR 1330 | 05.08.2010 | 05.08.2013 |
| 6. | 643 | Antenna horn | Narda | LR 093 | 26.01.2009 | 26.01.2012 |
| 7. | 642 | Antenna horn | Narda | LR 220 | 26.01.2009 | 26.01.2012 |
| 8. | PM7320X | Antenna horn | Sivers lab | LR 103 | 26.01.2009 | 26.01.2012 |
| 9. | DBF-520-20 | Antenna horn | Systron Donner | LR 101 | 26.01.2009 | 26.01.2012 |
| 10. | 638 | Antenna horn | Narda | LR 098 | 26.01.2009 | 26.01.2012 |
| 11. | Sucoflex 102E | Cable microwave | Suhner | LR 1370 | - | - |
| 12. | 6032A | Power supply | HP | LR 1062 | - | - |
| 13. | 77 | Multimeter, Digital | Fluke | LR155 | 03.11.2010 | 03.11.2011 |
| 14. | 8449B | Amplifier | Hewlett Packard | LR 1322 | 04.08.2009 | 04.08.2011 |
| 15. | HFH2-Z2 | Antenna loop | Rohde and Schwarz | LR 285 | 08.10.2010 | 08.10.2013 |
| 16. | 10855A | Amplifier | Hewlett Packard | LR 1445 | 04.08.2010 | 04.08.2011 |
| 17. | HL223 | Antenna log.per | Rohde & Schwarz | LR 1261 | 19.05.2010 | 09.05.2013 |
| 18. | HK116 | Antenna biconic | Rohde & Schwarz | LR 1260 | 19.05.2010 | 09.05.2013 |

1.1 Test Site Radiated Emission

