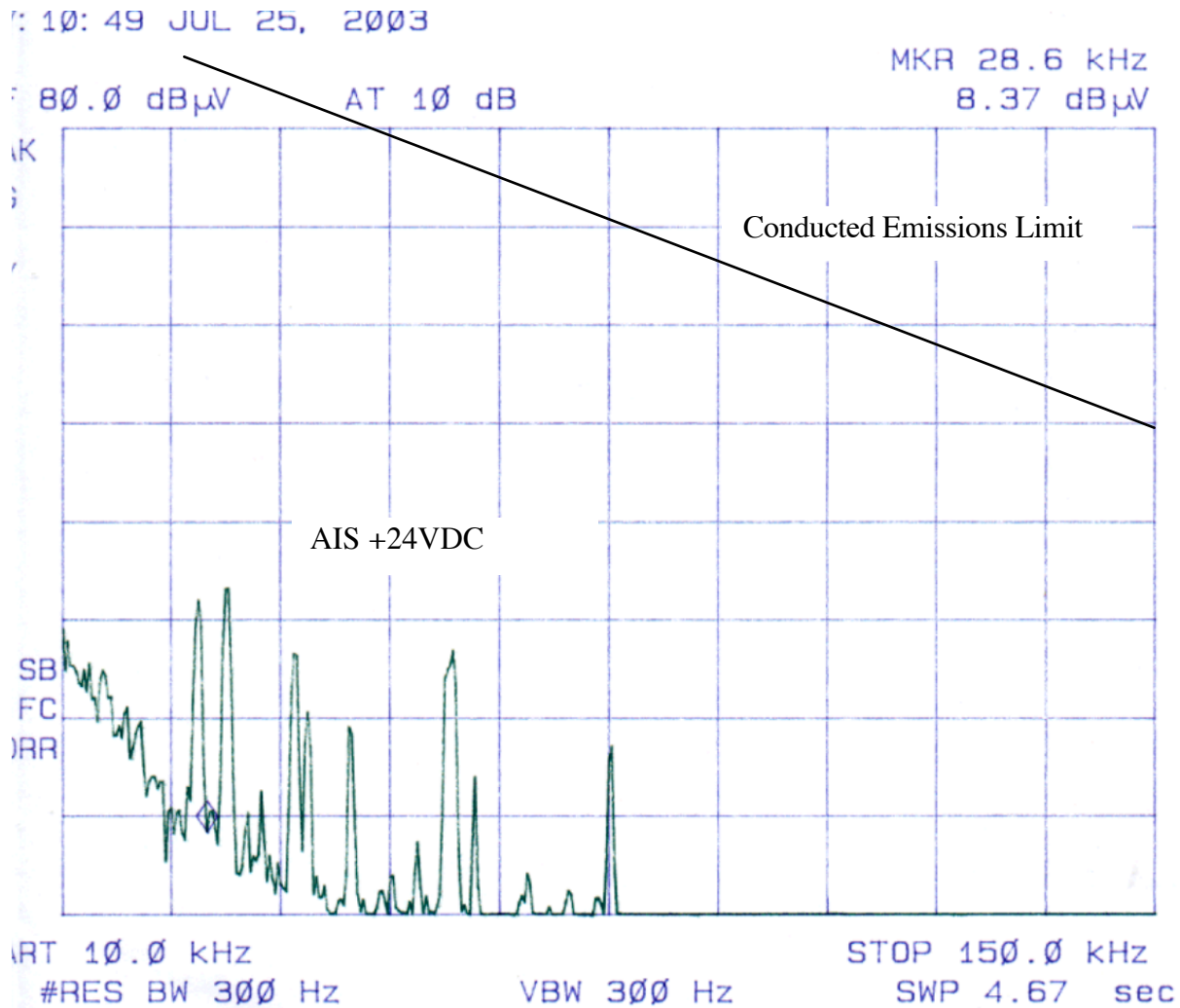


## IX. EMC Measurement Results:

### 1. Conducted Emissions – Data.

Frequency range: 10 kHz to 150 kHz

Limit: 96 dBuV decreasing to 50 dBuV



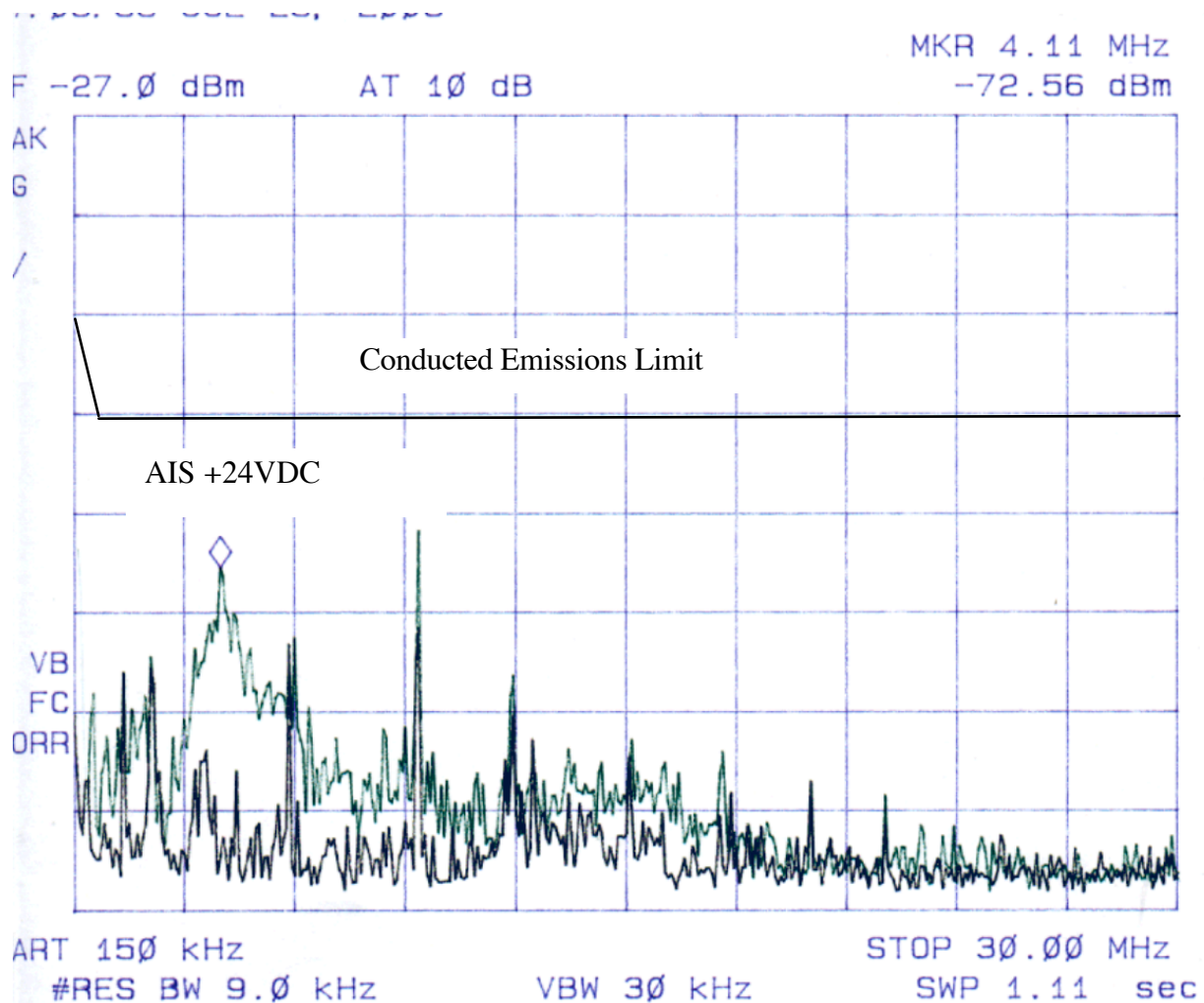
**IX. EMC Measurement Results Cont'd:****1. Conducted Emissions – Data.**

Frequency range: 150 kHz to 350 kHz

Limit: 60 dBuV decreasing to 50 dBuV

Frequency range: 0.35 MHz to 30 MHz

Limit: 50 dBuV



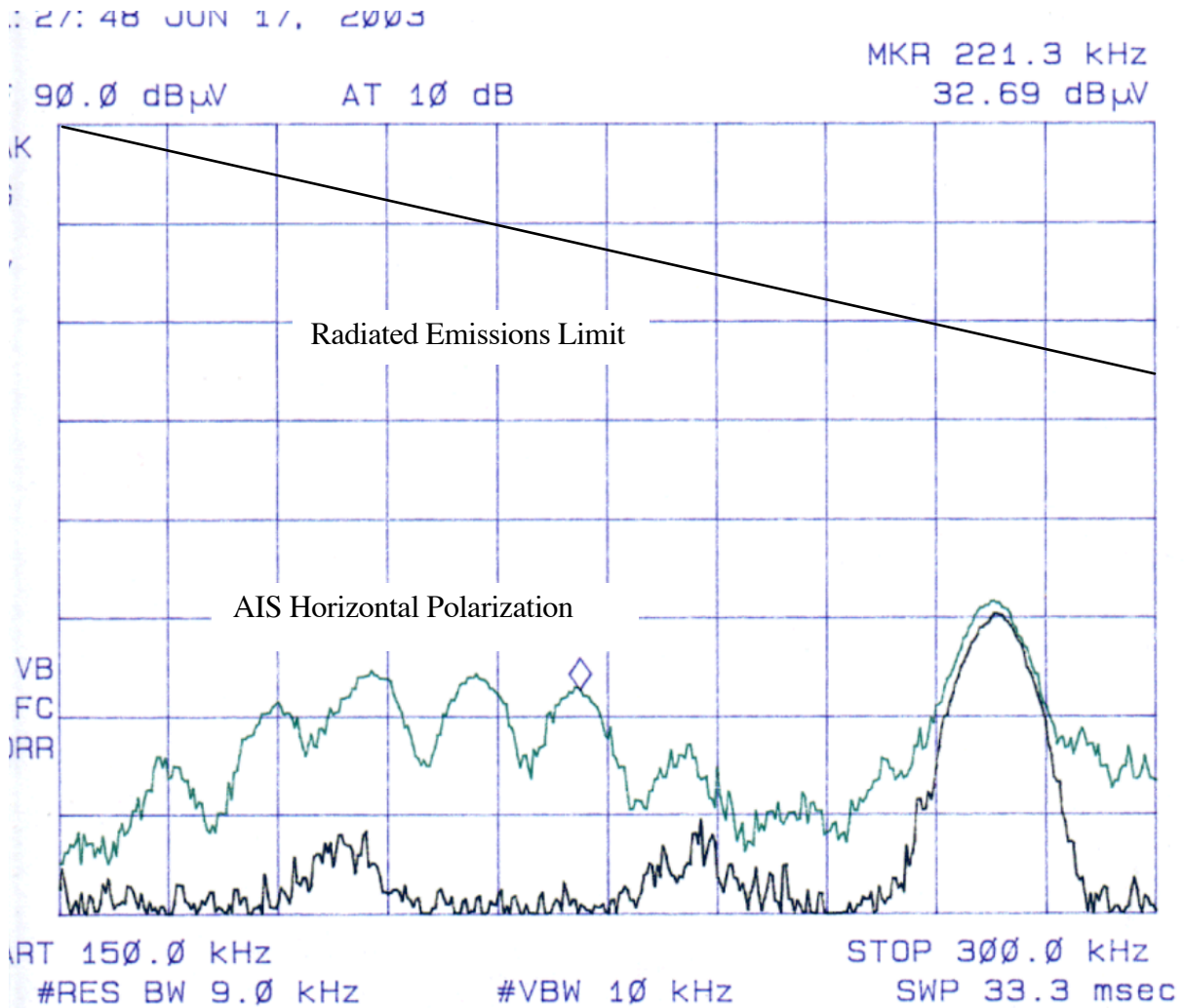
**IX. EMC Measurement Results Cont'd:****2. Radiated Emissions – Correction Factors.**

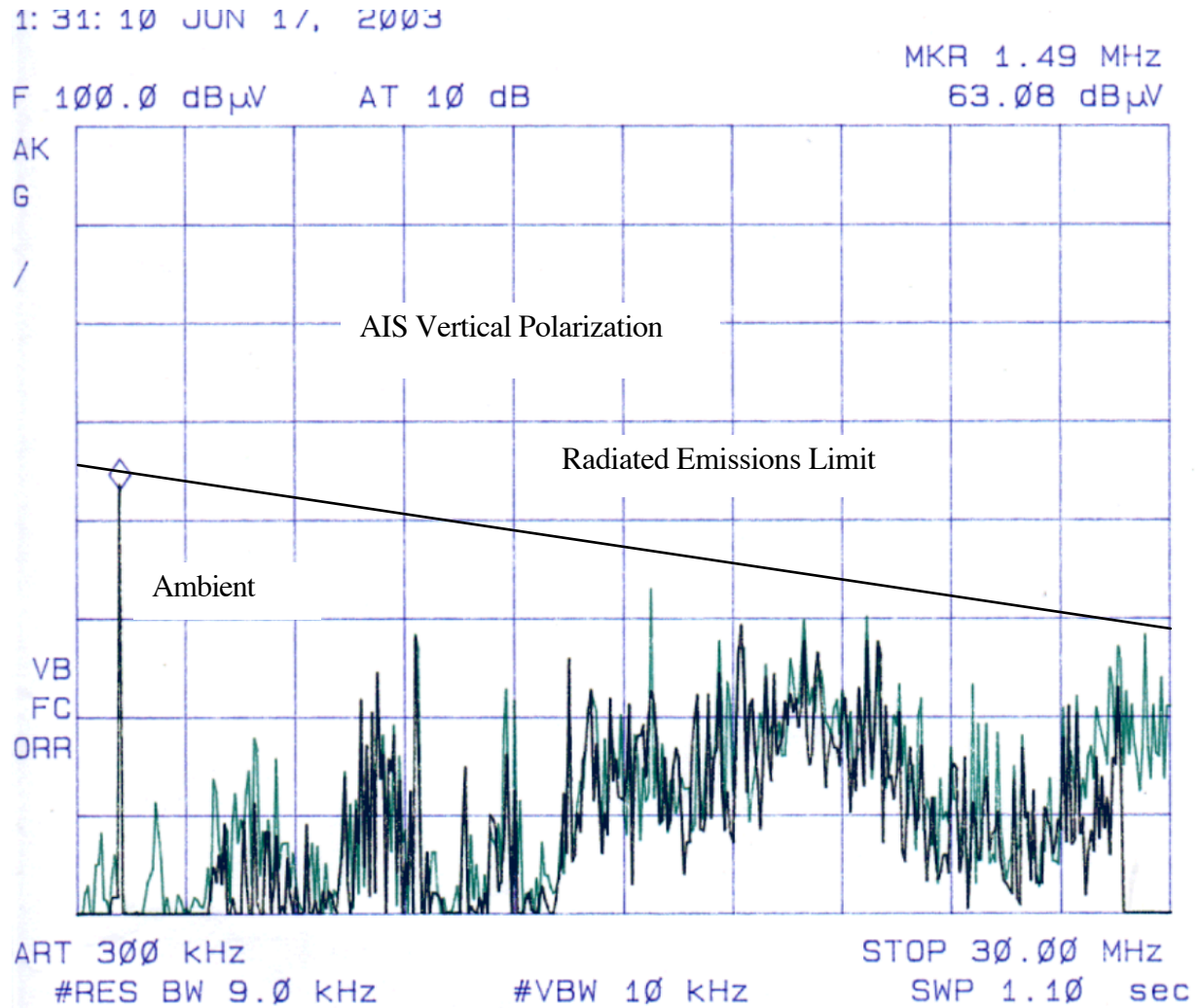
The table below describes the correction factors necessary to apply the limit to the spectrum analyzer output. The following pages contain the spectrum analyzer output with the corrected specification limits superimposed. The black pen is the ambient condition, and the other color identifies EUT emissions.

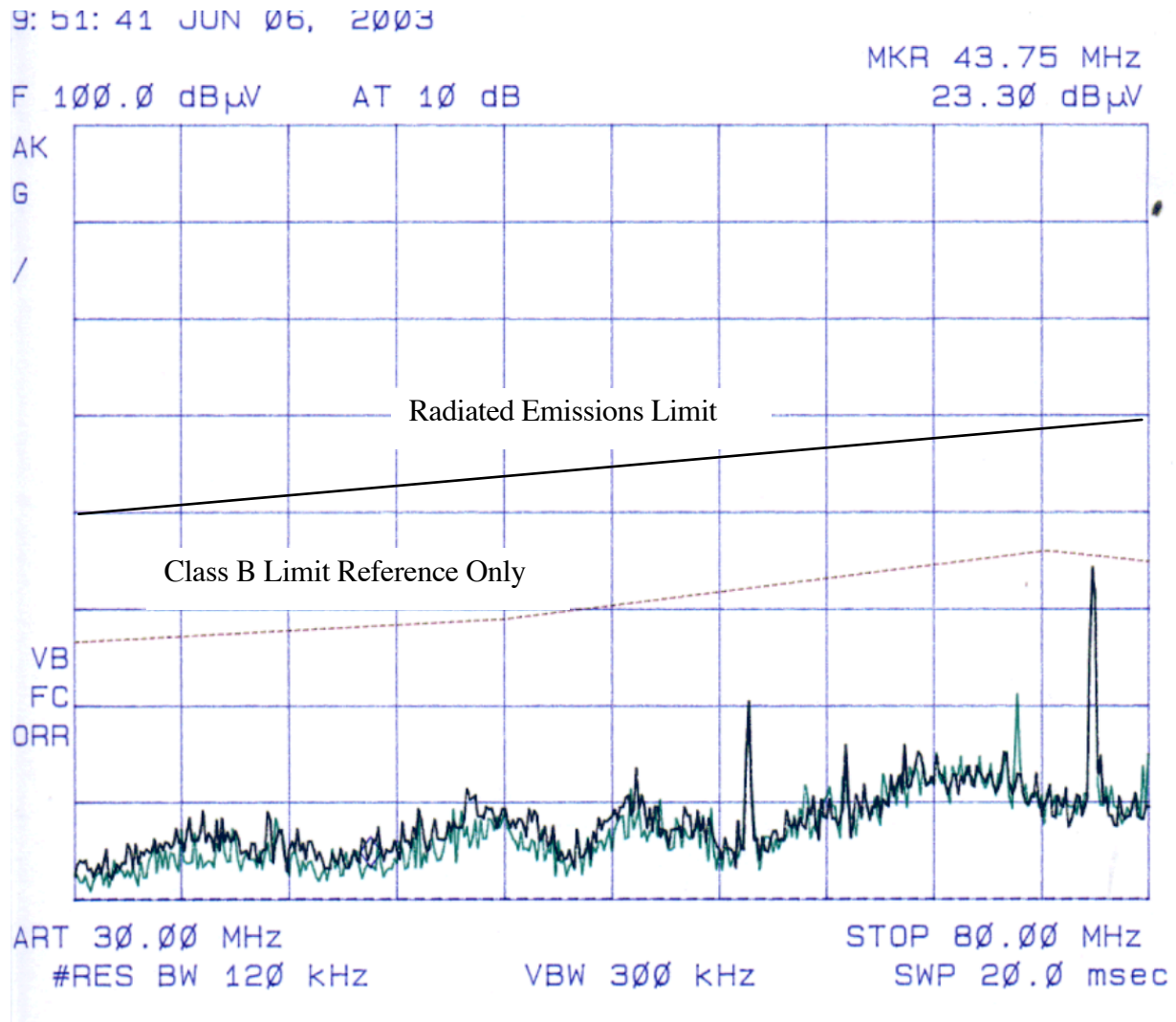
| Frequency<br>kHz                                                           | Limit @ 3m<br>dBuV/m | Antenna<br>dB | Correction *<br>dB | Delta<br>dB | Corrected Limit<br>dBuV/m |
|----------------------------------------------------------------------------|----------------------|---------------|--------------------|-------------|---------------------------|
| 150                                                                        | 80                   | 41            | 51.5               | 10.5        | 90.5                      |
| 300                                                                        | 52                   | 39            | 51.5               | 12.5        | 64.5                      |
| 30000                                                                      | 34                   | 37            | 51.5               | 14.5        | 48.5                      |
| * 51.5 dB, H- to E-field correction in free space -> $20 \log (377\Omega)$ |                      |               |                    |             |                           |

| Frequency<br>MHz | 3m limit<br>dBuV/m | Antenna<br>dB | Amp<br>dB | Cable<br>dB | Delta<br>dB | Corrected Limit<br>dBuV/m |
|------------------|--------------------|---------------|-----------|-------------|-------------|---------------------------|
| 30               | 54                 | 18.6          | 29.0      | 5.0         | 5.4         | 59.4                      |
| 50               | 54                 | 15.1          | 29.0      | 5.0         | 8.9         | 62.9                      |
| 75               | 54                 | 8.1           | 29.0      | 5.0         | 15.9        | 69.9                      |
| 100              | 54                 | 12.2          | 28.0      | 6.0         | 9.8         | 63.8                      |
| 125              | 54                 | 12.9          | 28.0      | 6.0         | 9.1         | 63.1                      |
| 155              | 54                 | 11.1          | 28.0      | 6.0         | 10.9        | 64.9                      |
| 156              | 24                 | 13.2          | 27.0      | 7.0         | 6.8         | 30.8                      |
| 165              | 24                 | 13.2          | 27.0      | 7.0         | 6.8         | 30.8                      |
| 166              | 54                 | 13.2          | 27.0      | 7.0         | 6.8         | 60.8                      |
| 300              | 54                 | 14.9          | 28.0      | 6.0         | 7.1         | 61.1                      |
| 500              | 54                 | 18.6          | 28.0      | 6.0         | 3.4         | 57.4                      |
| 1000             | 54                 | 24.2          | 27.0      | 7.0         | -4.2        | 49.8                      |

Tables 1 &amp; 2 – Corrected CE Limit

**IX. EMC Measurement Results Cont'd:****2. Radiated Emissions – Data.**

**IX. EMC Measurement Results Cont'd:****2. Radiated Emissions – Data.**

**IX. EMC Measurement Results Cont'd:****2. Radiated Emissions – Data.**

**IX. EMC Measurement Results Cont'd:****2. Radiated Emissions – Data.**