



3.6 Average time of occupancy definition according to § 15.247

3.6.1 General

This parameter was checked to prove that the average time of occupancy on any frequency is not greater than 0.4 seconds within any 30 second period.

3.6.2 Calculation

The average occupancy time was calculated from the following equation:

Number of channels = 79

Dwell time = 20 msec

Transmitter "on" time = 2.12 msec

Transmitter returns to each channel frequency during 30 sec

$$30 \text{ sec} / 79 \times 20 \text{ msec} = 167 \text{ times}$$

Average occupancy time = transmitter "on" time on each channel x 167 times =
2.12 msec x 167 = 0.353 sec, which is less than the required 0.4 sec.



3.7 Radiated emissions test according to § 15.205, 15.209(a), 15.247(c)

3.7.1 General

This test was performed to measure radiated emissions except carriers generated by the transmitter.

3.7.2 Test set-up

The radiated emission measurements were performed at 3 meters test distance in the anechoic chamber with biconilog antenna from 30 MHz to 2 GHz and at the open field test site with the double ridged guide antenna from 2 GHz to 24 GHz as shown in Photographs 3.7.1 to 3.7.14. The EUT was installed on the 0.8 m high wooden table which was on the top of the metal turntable flush mounted with the ground plane. To find the maximum radiation measuring antenna height was changed from 1 to 4 m, the turntable was rotated 360° and the antennas polarization was changed from vertical to horizontal.

3.7.3 Test results

The test was performed for transmitter operating with modulation at 3 carrier (channels) frequencies 2.402, 2.441 and 2.480 GHz with the 16 dBi integral antenna and with the 6 dBi, 16 dBi, 16.5 dBi, 17dBi gain external antennas.

The average (duty cycle correction) factor was obtained from the par. 3.3 of this test report.

The test results are brought in Tables 3.7.1 to 3.7.6.

Emissions found in 30 - 1000 MHz range were due to the incorporated digital device and are brought in section 3.8 of this test report.

Reference numbers of test equipment used

| | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|
| HL 0025 | HL 0038 | HL 0041 | HL 0121 | HL 0275 | HL 0287 | HL 0465 |
| HL 0521 | HL 0547 | HL 0589 | HL 0604 | HL 0812 | HL 0813 | HL 0815 |
| HL 0816 | HL 1175 | HL 1200 | | | | |

Full description is given in Appendix A.

**Table 3.7.1 Radiated emissions measurement test results with modulated carrier and integral antenna**

EUT: SU-A-xD1V-2.4 series
DATE: June 2, 1999
Relative Humidity: 52%
Ambient Temperature: 24°C

MEASUREMENTS PERFORMED AT 3 METRE DISTANCE

| Freq. GHz | Ant. pol. | Measured result dB (μV) | Det. type | VBW MHz | Antenna factor dB (1/m) | Cable loss dB | Amplifier gain dB | Average factor dB | Radiated emission dB (μV/m) | Limit dB(μV/m) | Margin dB | Pass/ Fail |
|--------------|--------------|-------------------------------|--------------|------------|-------------------------------|---------------------|-------------------------|-------------------------|-----------------------------------|-------------------|--------------|---------------|
| 2.386 | V | 62.2 | Peak | 3 | NA | NA | NA | -19.5 | 42.7 | 54 | 11.3 | Pass |
| 2.395 | V | 45.65 | AVR | 3 | NA | NA | NA | NA | 45.65 | 54 | 8.35 | Pass |
| 7.206 | H | 50 | Peak | 1 | 35.7 | 3.3 | 35 | -19.5 | 34.5 | 54 | 19.5 | Pass |
| 7.323 | H | 44 | Peak | 1 | 35.8 | 3.5 | 35 | -19.5 | 28.9 | 54 | 25.1 | Pass |
| 7.440 | H | 45 | Peak | 1 | 35.9 | 3.9 | 35 | -19.5 | 30.3 | 54 | 23.7 | Pass |

Notes to table:

Measurements were performed with double ridged guide antenna.

Resolution bandwidth = 1 MHz

Radiated emission dB(μV/m) = measured result dB(μV) + antenna factor dB(1/m) + cable loss (dB) – amplifier gain (dB) + average factor (dB). During the measurements the received emissions were amplified

Average factor = -19.5 dB (see section 3.3.1).

Table abbreviations:

Ant. pol. – antenna polarization (V-vertical, H-horizontal)

Det. type – detector type (avr – average)

VBW - videobandwidth

Margin = dB below (negative if above) specification limit.

**Table 3.7.2 Radiated emissions measurement test results with modulated carrier and integral antenna**

EUT: SU-A-xD-2.4 series
DATE: May 6, 1999
Relative Humidity: 47%
Ambient Temperature: 23°C

MEASUREMENTS PERFORMED AT 3 METRE DISTANCE

| Frequency GHz | Measured result dB (μV) | Antenna factor dB (1/m) | Cable loss amplifier gain dB | Radiated emission dB (μV/m) | Limit dB(μV/m) | Margin dB | Pass/ Fail |
|------------------|-------------------------------|-------------------------------|------------------------------------|-----------------------------------|-------------------|--------------|---------------|
| 3.924 | 37.6 | 33.4 | 8.53 | 42.97 | 54 | 11.03 | Pass |
| 4.002 | 37.1 | 33.7 | 10.93 | 40.37 | 54 | 13.63 | Pass |
| 4.080 | 40.4 | 33.5 | 17.53 | 36.87 | 54 | 17.13 | Pass |
| 4.804 | 40.5 | 33.6 | 16.56 | 38.04 | 54 | 15.96 | Pass |
| 4.882 | 40.7 | 33.8 | 17.36 | 37.64 | 54 | 16.36 | Pass |
| 4.960 | 45.1 | 34.4 | 15.33 | 44.67 | 54 | 9.33 | Pass |
| 7.323 | 54.1 | 35.8 | 28.7 | 41.7 | 54 | 12.3 | Pass |
| 7.440 | 65.4 | 35.8 | 29.93 | 51.77 | 54 | 2.23 | Pass |
| 12.400 | 52.5 | 39.5 | 30.5 | 52.0 | 54 | 12.0 | Pass |

Notes to table:

Test results listed in the table were obtained throughout the measurements with double ridged guide antenna in vertical polarization and peak detector.

Resolution bandwidth = 1 MHz, videobandwidth = 3 MHz

Radiated emission dB(μV/m) = measured result dB(μV) + antenna factor dB(1/m) + cable loss (dB) – amplifier gain (dB) + average factor (dB). During the measurements the received emissions were amplified

Average factor = -19.5 dB (see section 3.3.1).

Table abbreviations:

Ant. pol. – antenna polarization (V-vertical, H-horizontal)

Det. type – detector type (avr – average)

Margin = dB below (negative if above) specification limit.

**Table 3.7.3 Radiated emissions measurement test results with modulated carrier and with 6dBi external antenna**

EUT: AU-O-2.4 series
DATE: May 6, 1999
Relative Humidity: 47%
Ambient Temperature: 23°C

MEASUREMENTS PERFORMED AT 3 METRE DISTANCE

| Frequency GHz | Measured result dB (μV) | Antenna factor dB (1/m) | Cable loss amplifier gain dB | Radiated emission dB (μV/m) | Limit dB(μV/m) | Margin dB | Pass/ Fail |
|------------------|-------------------------------|-------------------------------|------------------------------------|-----------------------------------|-------------------|--------------|---------------|
| 3.9240 | 39.0 | 33.4 | 8.53 | 44.27 | 54 | 9.73 | Pass |
| 4.002 | 39.3 | 33.7 | 10.93 | 42.57 | 54 | 11.43 | Pass |
| 4.080 | 46.7 | 33.5 | 17.53 | 43.17 | 54 | 10.83 | Pass |
| 4.8041 | 44.2 | 33.6 | 16.56 | 41.74 | 54 | 12.26 | Pass |
| 4.882 | 48.2 | 33.8 | 17.36 | 45.14 | 54 | 8.86 | Pass |
| 4.9602 | 44.0 | 34.4 | 15.33 | 43.57 | 54 | 10.43 | Pass |
| 7.323 | 62.2 | 35.8 | 28.7 | 49.8 | 54 | 4.2 | Pass |
| 7.4394 | 61.0 | 35.8 | 29.93 | 47.37 | 54 | 6.63 | Pass |

Notes to table:

Test results listed in the table were obtained throughout the measurements with double ridged guide antenna in vertical polarization and peak detector.

Resolution bandwidth = 1 MHz, videobandwidth = 3 MHz

Radiated emission dB(μV/m) = measured result dB(μV) + antenna factor dB(1/m) + cable loss (dB) – amplifier gain (dB) + average factor (dB). During the measurements the received emissions were amplified

Average factor = -19.5 dB (see section 3.3.1).

Table abbreviations:

Ant. pol. – antenna polarization (V-vertical, H-horizontal)

Det. type – detector type (avr – average)

Margin = dB below (negative if above) specification limit.

**Table 3.7.4 Radiated emissions measurement test results with modulated carrier and with 16dBi external antenna**

EUT: AU-O-2.4 series
DATE: May 6, 1999
Relative Humidity: 47%
Ambient Temperature: 23°C

MEASUREMENTS PERFORMED AT 3 METRE DISTANCE

| Frequency GHz | Measured result dB (μV) | Antenna factor dB (1/m) | Cable loss amplifier gain dB | Radiated emission dB (μV/m) | Limit dB(μV/m) | Margin dB | Pass/ Fail |
|------------------|-------------------------------|-------------------------------|------------------------------------|-----------------------------------|-------------------|--------------|---------------|
| 3.9239 | 40.2 | 33.4 | 8.53 | 45.57 | 54 | 8.43 | Pass |
| 4.0019 | 38.8 | 33.7 | 10.93 | 42.07 | 54 | 11.93 | Pass |
| 4.0801 | 43.6 | 33.5 | 17.53 | 40.07 | 54 | 13.93 | Pass |
| 4.8039 | 48.5 | 33.6 | 16.56 | 46.04 | 54 | 7.96 | Pass |
| 4.882 | 54.5 | 33.8 | 17.36 | 51.44 | 54 | 2.56 | Pass |
| 4.9599 | 46.2 | 34.4 | 15.33 | 45.77 | 54 | 8.23 | Pass |
| 7.323 | 58.1 | 35.8 | 28.7 | 45.7 | 54 | 8.3 | Pass |
| 7.4396 | 60.3 | 35.8 | 29.93 | 46.67 | 54 | 7.33 | Pass |

Notes to table:

Test results listed in the table were obtained throughout the measurements with double ridged guide antenna in vertical polarization and peak detector.

Resolution bandwidth = 1 MHz, videobandwidth = 3 MHz

Radiated emission dB(μV/m) = measured result dB(μV) + antenna factor dB(1/m) + cable loss (dB) – amplifier gain (dB) + average factor (dB). During the measurements the received emissions were amplified

Average factor = -19.5 dB (see section 3.3.1).

Table abbreviations:

Ant. pol. – antenna polarization (V-vertical, H-horizontal)

Det. type – detector type (avr – average)

Margin = dB below (negative if above) specification limit.

**Table 3.7.5 Radiated emissions measurement test results with modulated carrier and with 16.5 dBi external antenna**

EUT: AU-O-2.4 series
DATE: May 6, 1999
Relative Humidity: 47%
Ambient Temperature: 23°C

MEASUREMENTS PERFORMED AT 3 METRE DISTANCE

| Frequency GHz | Measured result dB (μV) | Antenna factor dB (1/m) | Cable loss amplifier gain dB | Radiated emission dB (μV/m) | Limit dB(μV/m) | Margin dB | Pass/ Fail |
|------------------|-------------------------------|-------------------------------|------------------------------------|-----------------------------------|-------------------|--------------|---------------|
| 3.9239 | 39.2 | 33.4 | 8.53 | 44.57 | 54 | 9.43 | Pass |
| 4.002 | 39.0 | 33.7 | 10.93 | 42.27 | 54 | 11.73 | Pass |
| 4.080 | 42.8 | 33.5 | 17.53 | 39.27 | 54 | 14.73 | Pass |
| 4.804 | 45.8 | 33.6 | 16.56 | 43.34 | 54 | 10.66 | Pass |
| 4.882 | 51.7 | 33.8 | 17.36 | 48.64 | 54 | 5.36 | Pass |
| 4.9598 | 46.9 | 34.4 | 15.33 | 46.47 | 54 | 7.53 | Pass |
| 7.3233 | 64.5 | 35.8 | 28.7 | 52.1 | 54 | 1.9 | Pass |
| 7.4399 | 63.1 | 35.8 | 29.93 | 49.47 | 54 | 4.53 | Pass |

Notes to table:

Test results listed in the table were obtained throughout the measurements with double ridged guide antenna in vertical polarization and peak detector.

Resolution bandwidth = 1 MHz, videobandwidth = 3 MHz

Radiated emission dB(μV/m) = measured result dB(μV) + antenna factor dB(1/m) + cable loss (dB) – amplifier gain (dB) + average factor (dB). During the measurements the received emissions were amplified

Average factor = -19.5 dB (see section 3.3.1).

Table abbreviations:

Ant. pol. – antenna polarization (V-vertical, H-horizontal)

Det. type – detector type (avr – average)

Margin = dB below (negative if above) specification limit.

**Table 3.7.6 Radiated emissions measurement test results with modulated carrier and with 17 dBi external antenna**

EUT: AU-O-2.4 series
DATE: May 6, 1999
Relative Humidity: 47%
Ambient Temperature: 23°C

MEASUREMENTS PERFORMED AT 3 METRE DISTANCE

| Frequency GHz | Measured result dB (μV) | Antenna factor dB (1/m) | Cable loss amplifier gain dB | Radiated emission dB (μV/m) | Limit dB(μV/m) | Margin dB | Pass/ Fail |
|------------------|-------------------------------|-------------------------------|------------------------------------|-----------------------------------|-------------------|--------------|---------------|
| 3.9239 | 39.5 | 33.4 | 8.53 | 44.87 | 54 | 9.13 | Pass |
| 4.0019 | 38.4 | 33.7 | 10.93 | 41.67 | 54 | 12.33 | Pass |
| 4.080 | 44.2 | 33.5 | 17.53 | 40.67 | 54 | 13.33 | Pass |
| 4.804 | 40.6 | 33.6 | 16.56 | 38.14 | 54 | 15.86 | Pass |
| 4.882 | 46.9 | 33.8 | 17.36 | 43.84 | 54 | 10.16 | Pass |
| 4.960 | 40.4 | 34.4 | 15.33 | 39.97 | 54 | 14.03 | Pass |
| 7.3234 | 64.0 | 35.8 | 28.7 | 51.6 | 54 | 2.4 | Pass |
| 7.4396 | 61.6 | 35.8 | 29.93 | 47.97 | 54 | 6.03 | Pass |

Notes to table:

Test results listed in the table were obtained throughout the measurements with double ridged guide antenna in horizontal polarization and peak detector.

Resolution bandwidth = 1 MHz, videobandwidth = 3 MHz

Radiated emission dB(μV/m) = measured result dB(μV) + antenna factor dB(1/m) + cable loss (dB) – amplifier gain (dB) + average factor (dB). During the measurements the received emissions were amplified

Average factor = -19.5 dB (see section 3.3.1).

Table abbreviations:

Ant. pol. – antenna polarization (V-vertical, H-horizontal)

Det. type – detector type (avr – average)

Margin = dB below (negative if above) specification limit.



Photograph No. 3.7.1
Radiated emission measurement test setup for EUT with integral antenna



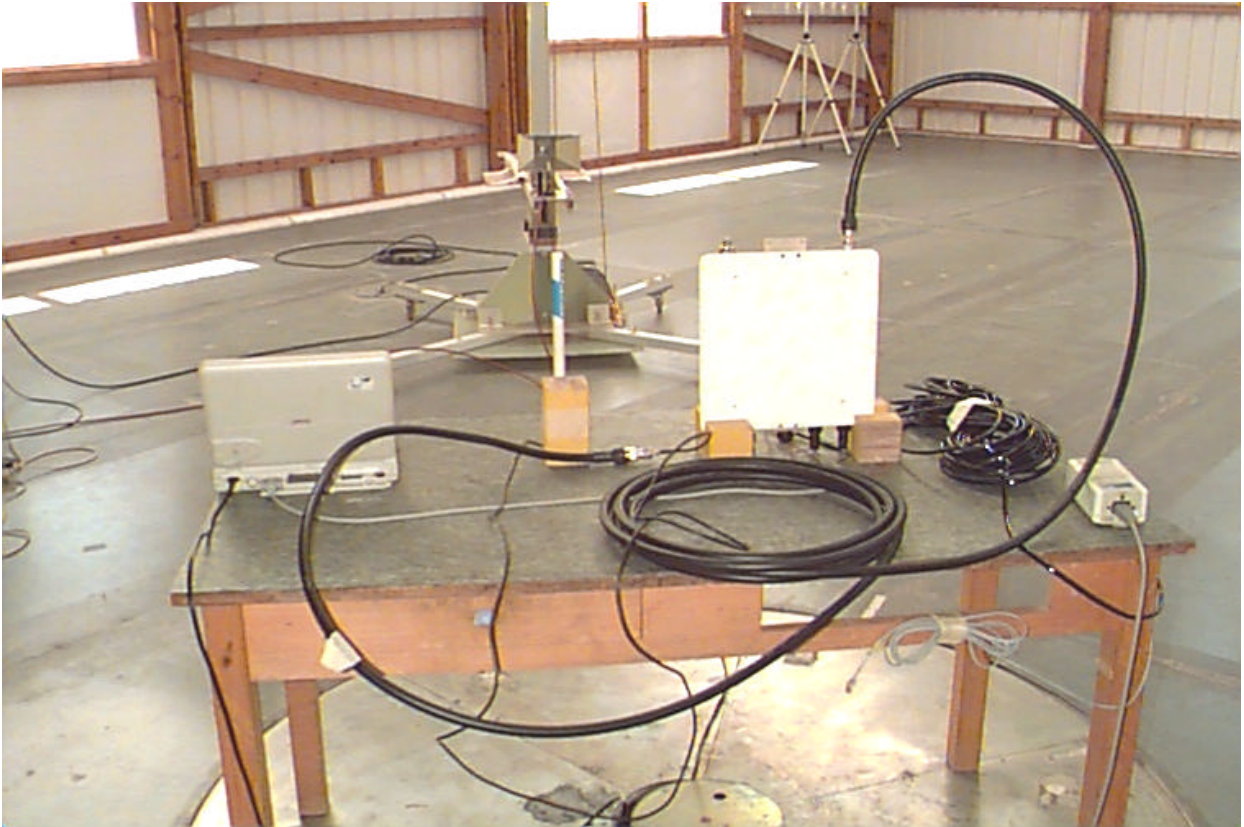


Photograph No. 3.7.2
Radiated emission measurement test setup for EUT with integral antenna



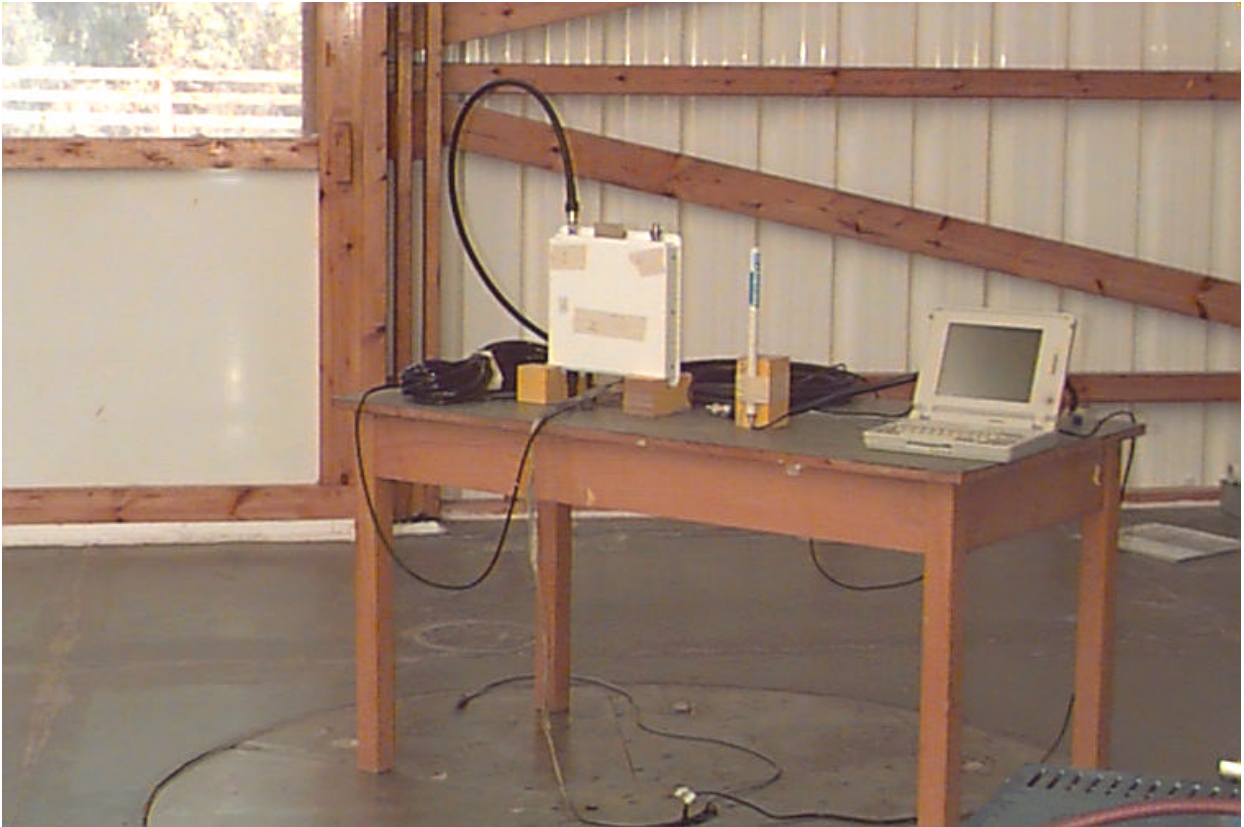


Photograph No. 3.7.3
Radiated emission measurement test setup for EUT with 6 dBi external antenna



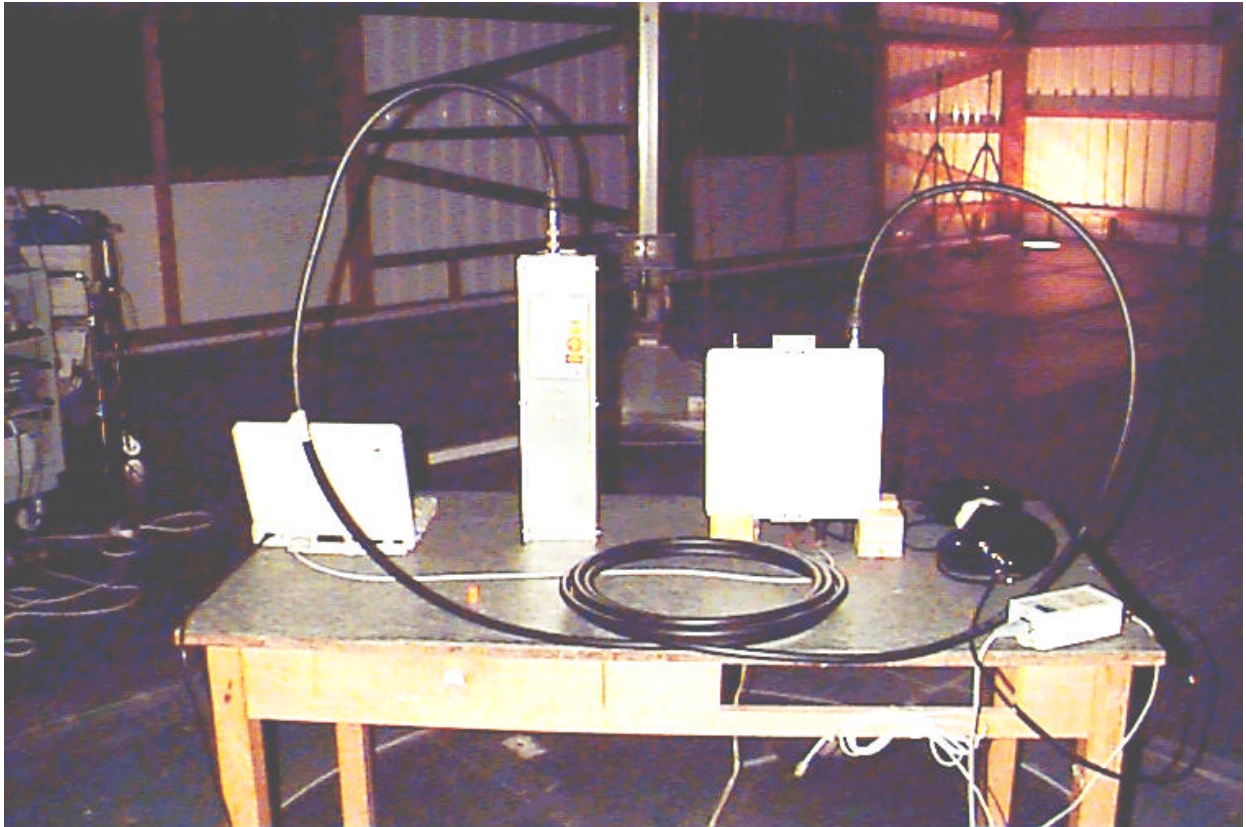


Photograph No. 3.7.4
Radiated emission measurement test setup for EUT with 6 dBi external antenna



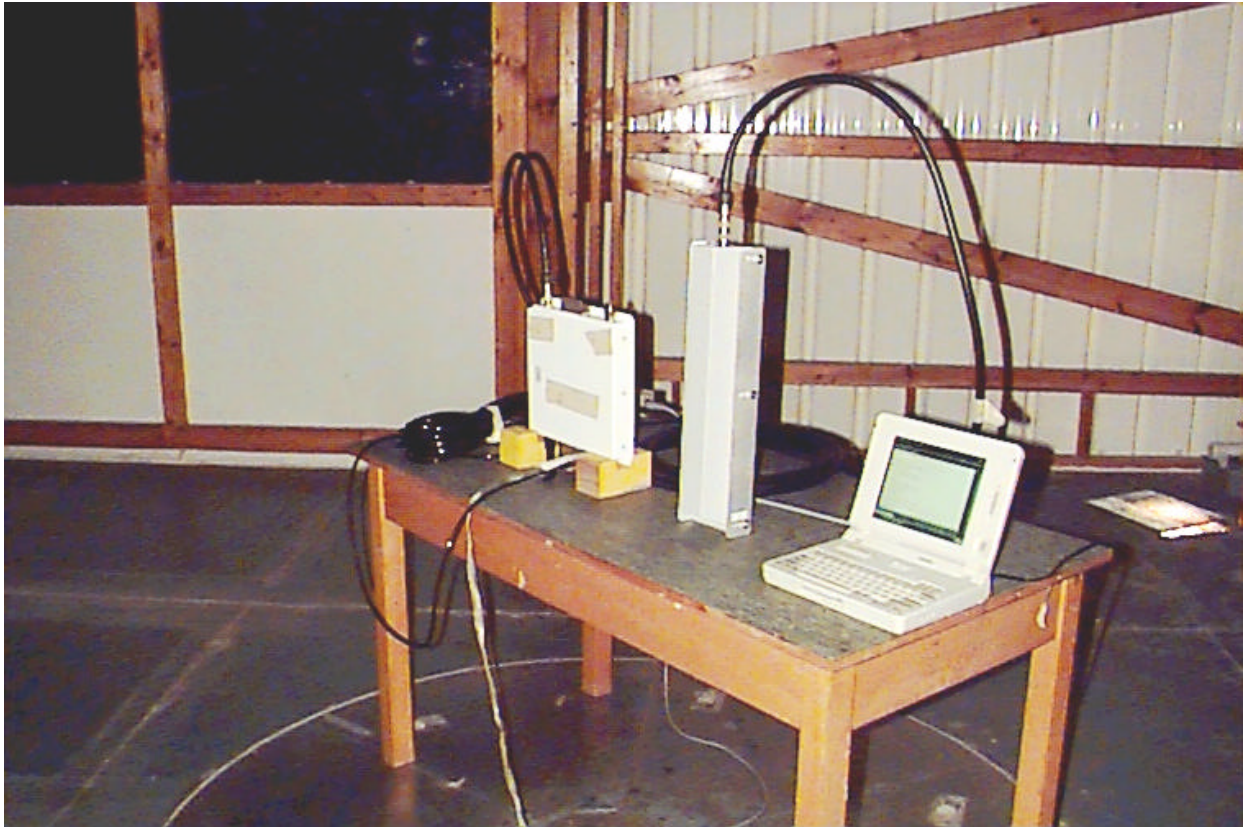


Photograph No. 3.7.5
Radiated emission measurement test setup for EUT with 16 dBi external antenna



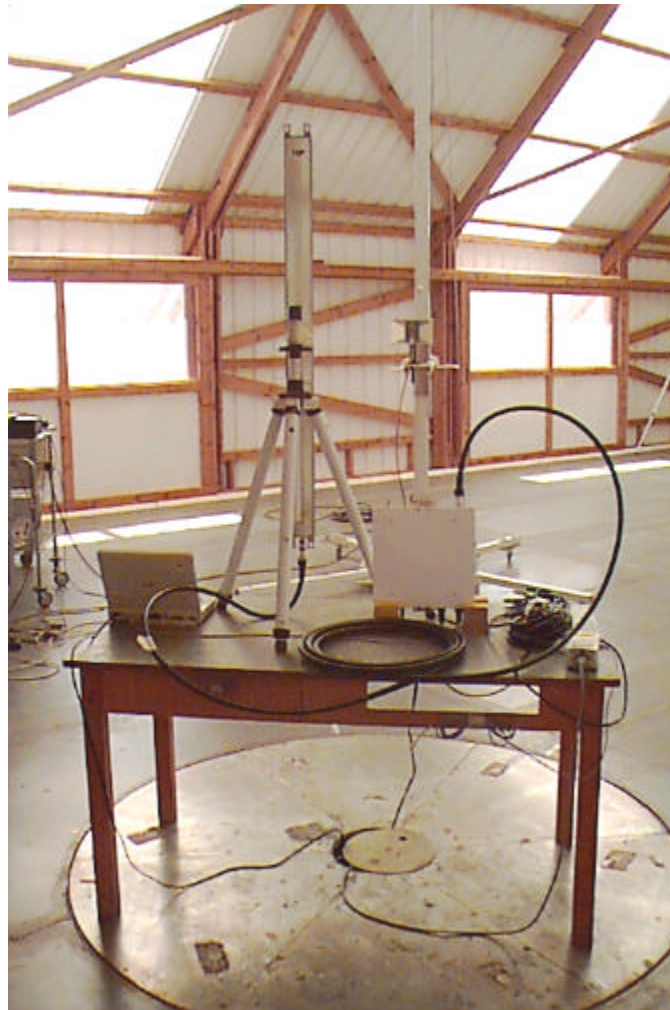


Photograph No. 3.7.6
Radiated emission measurement test setup for EUT with 16 dBi external antenna





Photograph No. 3.7.7
Radiated emission measurement test setup for EUT with 16.5 dBi external antenna





Photograph No. 3.7.8
Radiated emission measurement test setup for EUT with 16.5 dBi external antenna





Photograph No. 3.7.9
Radiated emission measurement test setup for EUT with 17 dBi external antenna





Photograph No. 3.7.10
Radiated emission measurement test setup for EUT with 17 dBi external antenna





Photograph No. 3.7.11
Radiated emission measurement test setup for EUT with 17 dBi external antenna



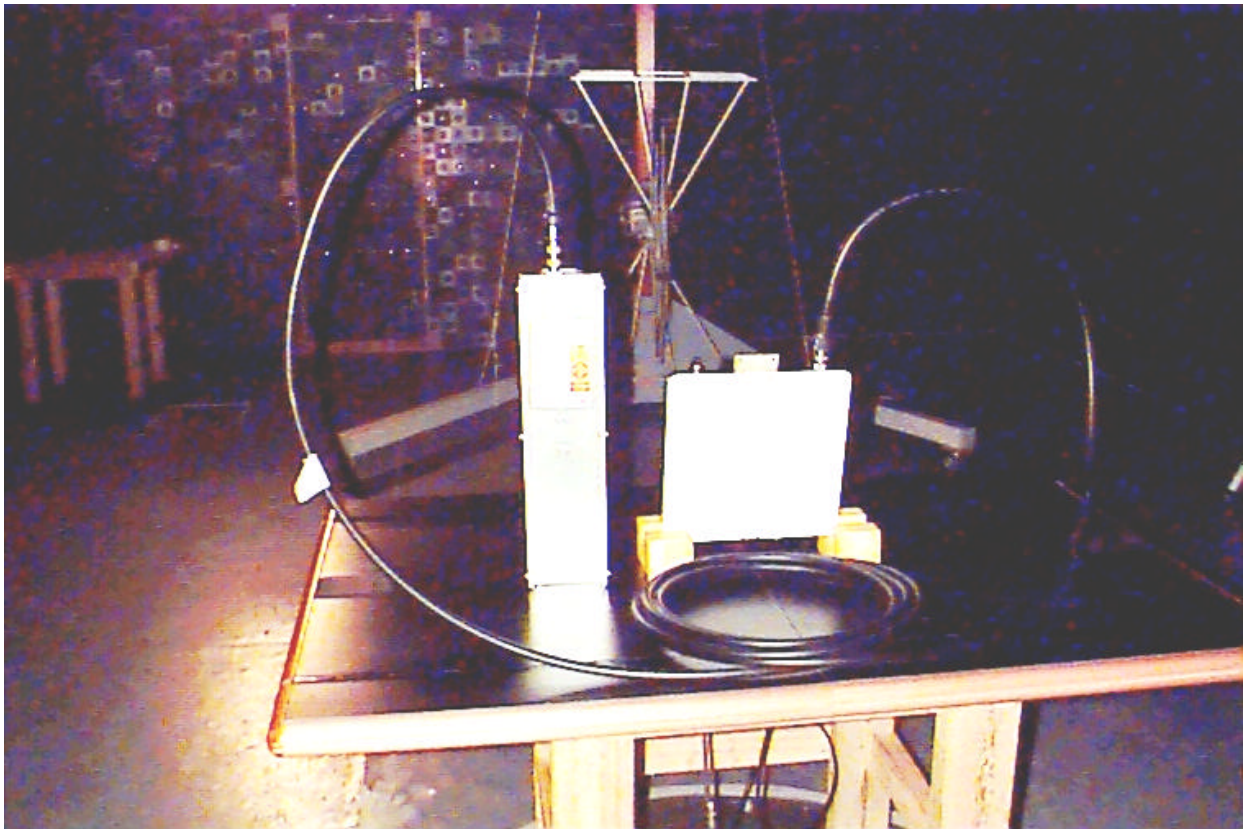


Photograph No. 3.7.12
Radiated emission measurement test setup for EUT with 17 dBi external antenna



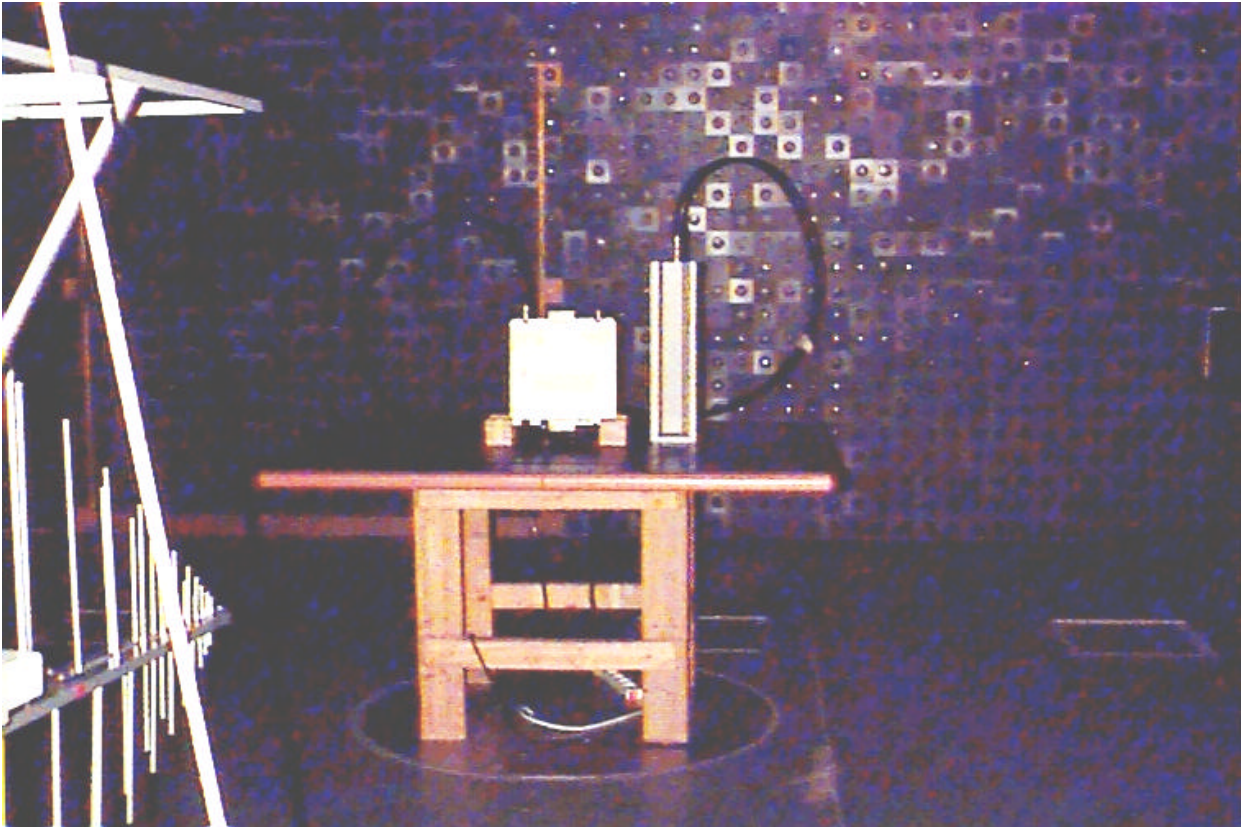


Photograph No. 3.7.13
Radiated emission measurement test setup for EUT with 16 dBi external antenna





Photograph No. 3.7.14
Radiated emission measurement test setup for EUT with 16 dBi external antenna





3.8 Unintentional class B digital device radiated emissions test according to §15.109

3.8.1 General

This test was performed to measure radiated emissions from the incorporated digital device of the EUT and also to verify the EUT full compliance with §15.109.

3.8.2 Test set-up

The radiated emissions measurements of the EUT outdoor unit with incorporated digital device and receiver were performed in the anechoic chamber at 3 meters measuring distance with biconilog and double ridged guide antennas. The measurements were done from 30 MHz to 5th harmonic (12.5 GHz). The radiated emissions measurements of the EUT indoor unit were performed from 30 MHz to 1 GHz.

The EUT was placed on the wooden table as shown in Figure 3.8.1 and Photographs 3.8.1 to 3.8.3 (indoor unit), Photographs 3.7.11 to 3.7.14 (outdoor unit).

To find maximum radiation the turntable was rotated 360°, the cables position was varied, the measuring antenna height changed from 1 to 4 m, and the antennas polarization was changed from vertical to horizontal. In frequency range from 30 to 1000 MHz the EMI receiver settings were: RBW=120 kHz, quasi-peak detector.

The receiver radiated emission measurements from 1 GHz up to 12.5 GHz were performed with the spectrum analyzer settings: RBW=1 MHz, VBW=1 MHz or VBW=3 MHz, peak detector was used. The spectrum analyzer settings are shown in the plots.

The results of measurements were recorded into Tables 3.8.1 to 3.8.6.

Reference numbers of test equipment used

| | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|
| HL 0041 | HL 0121 | HL 0275 | HL 0465 | HL 0521 | HL 0589 | HL 0593 |
| HL 0594 | HL 0604 | HL 0815 | HL 0816 | HL 1175 | | |

Full description is given in Appendix A.

**Table 3.8.1 Radiated emission measurements test results for SU-A/O-xD1V-2.4 outdoor unit frequency range 30 MHz – 12.5 GHz**

DATE: June 1, 1999
 RELATIVE HUMIDITY: 49%
 AMBIENT TEMPERATURE: 22°C

MEASUREMENTS PERFORMED AT 3 METRES DISTANCE

| Frequency MHz | Ant. Pol. | Antenna Height m | TT Pos. ° | Radiated Emissions dB (μV/m) | Specified Limit dB (μV/m) | Margin dB | Pass/ Fail |
|------------------|--------------|------------------------|-----------------|------------------------------------|---------------------------------|--------------|---------------|
| 75.022 | V | 1 | 12 | 34.87 | 40.0 | 5.13 | Pass |
| 200.005 | V | 1 | 353 | 34.72 | 43.5 | 8.78 | Pass |
| 340.012 | H | 1.1 | 1 | 40.57 | 46.0 | 5.43 | Pass |
| 648.005 | H | 1.3 | 358 | 39.08 | 46.0 | 6.92 | Pass |

Notes to table calculations:

Measurements were performed with biconilog antenna and quasi-peak detector

Resolution bandwidth = 120 kHz

Ant. Pol. = Antenna polarization (V-vertical, H-horizontal)

TT Pos. = turntable position in degrees, (EUT front panel = 0°)

Margin = dB below (negative if above) specification limit.



Table 3.8.2 Radiated emission measurements test results for SU-A/O-xD1V-2.4 indoor unit frequency range 30 MHz – 1 GHz

DATE: May 4, 1999
RELATIVE HUMIDITY: 49%
AMBIENT TEMPERATURE: 22°C

MEASUREMENTS PERFORMED AT 3 METRES DISTANCE

| Frequency MHz | Radiated Emissions dB (μV/m) | Spec. Limit dB (μV/m) | Spec. Margin dB | Pass/ Fail |
|------------------|------------------------------------|-----------------------------|-----------------------|---------------|
| 32.461 | 31.80 | 40.0 | 8.20 | Pass |
| 40.985 | 31.19 | 40.0 | 8.81 | Pass |
| 108.900 | 31.85 | 43.5 | 11.65 | Pass |
| 465.335 | 39.15 | 46.0 | 6.85 | Pass |
| 930.679 | 36.72 | 46.0 | 9.28 | Pass |

Notes to table calculations:

Measurements were performed with biconilog antenna and quasi-peak detector

Resolution bandwidth = 120 kHz

Spec. Margin = Specification margins = dB below (negative if above) specification limit.

**Table 3.8.3 Radiated emission measurements test results for SU-A-xD-2.4 outdoor unit frequency range 30 MHz – 12.5 GHz**

DATE: May 16, 1999
 RELATIVE HUMIDITY: 47%
 AMBIENT TEMPERATURE: 23°C

MEASUREMENTS PERFORMED AT 3 METRES DISTANCE

| Frequency MHz | Radiated emissions dB (μV/m) | Specified Limit dB (μV/m) | Margin dB | Pass/ Fail |
|------------------|------------------------------------|---------------------------------|--------------|---------------|
| 71.467 | 33.75 | 40 | 6.25 | Pass |
| 71.543 | 35.36 | 40 | 4.64 | Pass |
| 71.769 | 34.38 | 40 | 5.62 | Pass |
| 76.360 | 32.10 | 40 | 7.90 | Pass |
| 674.962 | 30.02 | 46 | 15.98 | Pass |

Notes to table calculations:

Measurements were performed with biconilog antenna and quasi-peak detector
 Resolution bandwidth = 120 kHz

MEASUREMENTS PERFORMED AT 3 METRES DISTANCE

| Frequency MHz | Detector type | Measured result dB (μV/m) | Average factor dB | Radiated Emissions dB (μV/m) | Specified Limit dB (μV/m) | Margin dB | Pass/ Fail |
|------------------|------------------|---------------------------------|-------------------------|------------------------------------|---------------------------------|--------------|---------------|
| 1961.98 | peak | 62.08 | -19.5 | 42.58 | 54 | 11.42 | Pass |
| 2000.95 | peak | 60.93 | -19.5 | 41.43 | 54 | 12.57 | Pass |
| 2039.93 | peak | 61.01 | -19.5 | 41.51 | 54 | 12.49 | Pass |
| 2712.0 | average | 47.04 | NA | 47.04 | 54 | 6.96 | Pass |

Notes to table calculations:

Measurements were performed with double ridged guide antenna in vertical polarization
 Resolution bandwidth = 1MHz, video bandwidth = 3 MHz
 Average factor = -19.5 dB (see section 3.3.1).
 Margin = dB below (negative if above) specification limit.



Table 3.8.4 Radiated emission measurements test results for SU-A-xD-2.4 indoor unit frequency range 30 MHz – 1 GHz

DATE: May 4, 1999
RELATIVE HUMIDITY: 49%
AMBIENT TEMPERATURE: 22°C

MEASUREMENTS PERFORMED AT 3 METRES DISTANCE

| Frequency | Radiated Emissions | Specified Limit | Margin | Pass/Fail |
|-----------|--------------------|-----------------|--------|-----------|
| MHz | dB (μV/m) | dB (μV/m) | dB | |
| 35.468 | 29.12 | 40.0 | 10.88 | Pass |
| 108.452 | 37.22 | 43.5 | 6.28 | Pass |
| 332.379 | 37.15 | 46.0 | 8.85 | Pass |

Notes to table calculations:

Measurements were performed with biconilog antenna and quasi-peak detector

Resolution bandwidth = 120 kHz

Margin = dB below (negative if above) specification limit.

**Table 3.8.5 Radiated emission measurements test results for AU-O-2.4 outdoor unit frequency range 30 MHz – 12.5 GHz**

DATE: May 5, 1999
 RELATIVE HUMIDITY: 49%
 AMBIENT TEMPERATURE: 22°C

MEASUREMENTS PERFORMED AT 3 METRES DISTANCE

| Frequency MHz | Antenna Height m | TT Pos. ° | Radiated Emissions dB (μV/m) | Specified Limit dB (μV/m) | Margin dB | Pass/ Fail |
|------------------|------------------------|-----------------|------------------------------------|---------------------------------|--------------|---------------|
| 81.661 | 1 | -1.9 | 32.07 | 40.0 | 7.93 | Pass |
| 200.008 | 1 | 274 | 33.52 | 43.5 | 9.98 | Pass |
| 350.000 | 1.32 | 348 | 35.05 | 46.0 | 10.95 | Pass |
| 399.997 | 1.32 | 348 | 36.15 | 46.0 | 9.85 | Pass |
| 428.278 | 1.28 | 360 | 34.00 | 46.0 | 12.00 | Pass |
| 903.986 | 1.04 | 47 | 38.37 | 46.0 | 7.63 | Pass |

Notes to table calculations:

Measurements were performed with biconilog antenna in vertical polarization and quasi-peak detector, resolution bandwidth = 120 kHz

TT Pos. = turntable position in degrees, (EUT front panel = 0°)

Margin = dB below (negative if above) specification limit.

MEASUREMENTS PERFORMED AT 3 METRES DISTANCE

| Frequency MHz | Detector type | Measured result dB (μV/m) | Average factor dB | Radiated Emissions dB (μV/m) | Specified Limit dB (μV/m) | Margin dB | Pass/ Fail |
|------------------|------------------|---------------------------------|-------------------------|------------------------------------|---------------------------------|--------------|---------------|
| 1961.96 | peak | 64.58 | -19.5 | 45.08 | 54 | 8.92 | Pass |
| 2000.96 | peak | 66.35 | -19.5 | 46.85 | 54 | 7.15 | Pass |
| 2039.96 | peak | 66.06 | -19.5 | 46.56 | 54 | 7.44 | Pass |
| 1756.00 | average | 38.7 | NA | 38.7 | 54 | 15.3 | Pass |
| 2640.00 | average | 40.0 | NA | 40.0 | 54 | 14.0 | Pass |

Notes to table calculations:

Measurements were performed with double ridged guide antenna in vertical polarization

Resolution bandwidth = 1MHz, video bandwidth = 1 MHz

Average factor = -19.5 dB (see section 3.3.1).

Margin = dB below (negative if above) specification limit.