# Intertek Testing Services - Menlo Park

## *Radiated Emissions Test Data*

| | | | | | | |
|---|---|---|---|---|---|---|
| **Company:** | Philips | **Model #:** | OZEO | **Req.** | FCC 22 (H) | |
| **EUT:** | Cell Phone (Dual band) | **FCC ID:** | M7VTCD588 | **Test Dist.** | 3 | meters |
| **Project #:** | J20017867 | **Test Date:** | June 26, 2000 | **Tr. Power** | 0.60 | Watt |
| **Test Mode:** | Transmitting at 824.04 MHz | **Engineer:** | Barry S. | **Min. Attn.** | 40.8 | dBc |

| | Antenna Used | | | Pre-Amp Used | | | Cable Used | | | Transducer Used |
|---|---|---|---|---|---|---|---|---|---|---|
| **Number:** | 7 | 22 | 14 | 8 | 3 | 13 | 21 | | | 0 |
| **Model:** | BM LPA 25 | 3180-10 | ENCO 3115 | CD_P1000 | MC 15542 | ACC/400 | Gm_M+L | None | None | None |

| Frequency | Reading | Detector | Ant. | Amp. | Ant. Pol. | Ant. Factor | Pre-Amp | Insert. Loss | Net | Spurious Attn. | Attn. Limit | Margin |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MHz | dB(µV) | P/A/Q | # | # | H/V | dB(1/m) | dB | dB | dB(µV/m) | dBc | dBc | dB |
| 824.04 | 102.3 | Peak | 7 | 0 | V | 21.9 | 0.0 | 2.0 | 126.2 | N/A | N/A | N/A |
| 1648.00 | 37.5 | Peak | 14 | 0 | V | 26.6 | 0.0 | 3.0 | 67.1 | 59.1 | 40.8 | -18.3 |
| 2472.10 | 40.0 | Peak | 14 | 8 | V | 30.1 | 28.5 | 2.3 | 43.9 | 82.3 | 40.8 | -41.5 |
| 3296.00 | 32.5 | Peak | 14 | 8 | V | 31.3 | 27.9 | 2.5 | 38.4 | 87.8 | 40.8 | -47.0 |
| 4120.00 | 20.9 | Peak | 14 | 8 | V | 34.2 | 27.9 | 2.9 | 30.1 | 96.1 | 40.8 | -55.3 |
| 4944.20 | 42.5 | Peak | 14 | 8 | H | 35.4 | 28.1 | 3.2 | 53.0 | 73.2 | 40.8 | -32.4 |
| 5768.20 | 27.3 | Peak | 14 | 8 | H | 36.2 | 28.3 | 3.7 | 38.9 | 87.3 | 40.8 | -46.5 |
| 6592.00 | 23.4 | Peak | 14 | 8 | H | 36.7 | 28.0 | 4.2 | 36.3 | 89.9 | 40.8 | -49.1 |
| 7416.00 | 18.2 | Peak | 14 | 8 | H | 37.8 | 28.0 | 4.3 | 32.3 | 93.9 | 40.8 | -53.1 |
| 8240.00 | 21.9 | Peak | 14 | 8 | H | 38.4 | 27.2 | 4.8 | 37.9 | 88.3 | 40.8 | -47.5 |

**Notes:**

a) O.C.F. Other Correction Factor
b) Insert. Loss = Cable A + Cable B + Cable C + Transducer.
c) Net = Reading + Antenna Factor - Pre-Amp + Insert. Loss.
d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics).
e) Negative signs (-) in Margin column signify levels below the limits.

# Intertek Testing Services - Menlo Park

## *Radiated Emissions Test Data*

| | | | | | | |
|---|---|---|---|---|---|---|
| **Company:** | Philips | **Model #:** | OZEO | Req. | FCC 22 (H) | |
| **EUT:** | Cell Phone (Dual band) | **FCC ID:** | M7VTCD588 | Test Dist. | 3 | meters |
| **Project #:** | J20017867 | **Test Date:** | June 26, 2000 | Tx Power | 0.60 | Watt |
| **Test Mode:** | Transmitting at 836.52 MHz | **Engineer:** | Barry S. | Min. Attn. | 40.8 | dBc |

| | Antenna Used | | | Pre-Amp Used | | | Cable Used | | | Transducer Used |
|---|---|---|---|---|---|---|---|---|---|---|
| Number: | 7 | 22 | 14 | 8 | 3 | 13 | 21 | | | 0 |
| Model: | EM LPA-25 | 3180-19 | EMCO 3115 | CDI_P1000 | MC 18542 | ACC/400 | Grn. MHL | None | None | None |

| Frequency | Reading | Detector | Ant. | Amp. | Ant. Pol. | Ant. Factor | Pre-Amp | Insert. Loss | Net | Spurious Attn. | Attn. Limit | Margin |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MHz | dB(µV) | P/A/Q | # | # | H/V | dB(1/m) | dB | dB | dB(µV/m) | dBc | dBc | dB |
| 836.52 | 101.4 | Peak | 7 | 0 | V | 22.2 | 0.0 | 2.0 | 125.6 | N/A | N/A | N/A |
| 1673.04 | 37.0 | Peak | 14 | 0 | V | 26.6 | 0.0 | 3.0 | 66.6 | 59.0 | 40.8 | -18.2 |
| 2509.50 | 32.7 | Peak | 14 | 8 | V | 30.4 | 28.5 | 2.3 | 36.9 | 88.7 | 40.8 | -47.9 |
| 3346.00 | 31.2 | Peak | 14 | 8 | V | 31.3 | 27.9 | 2.5 | 37.1 | 88.5 | 40.8 | -47.7 |
| 4182.60 | 20.2 | Peak | 14 | 8 | V | 34.2 | 27.9 | 2.9 | 29.4 | 96.2 | 40.8 | -55.4 |
| 5019.00 | 39.0 | Peak | 14 | 8 | V | 35.4 | 28.3 | 3.5 | 49.6 | 76.0 | 40.8 | -35.2 |
| 5855.60 | 27.3 | Peak | 14 | 8 | H | 36.2 | 28.3 | 3.7 | 38.9 | 86.7 | 40.8 | -45.9 |
| 6692.10 | 20.7 | Peak | 14 | 8 | H | 36.7 | 28.0 | 4.2 | 33.6 | 92.0 | 40.8 | -51.2 |
| 7528.60 | 18.3 | Peak | 14 | 8 | H | 38.5 | 28.0 | 4.6 | 33.4 | 92.2 | 40.8 | -51.4 |
| 8365.20 | 23.5 | Peak | 14 | 8 | H | 38.4 | 27.2 | 4.8 | 39.5 | 86.1 | 40.8 | -45.3 |
| 9201.70 | 13.9 | Peak | 14 | 8 | H | 39.9 | 27.0 | 4.7 | 31.5 | 94.1 | 40.8 | -53.3 |

**Notes:**

a) O.C.F.:Other Correction Factor
b) Insert. Loss = Cable A + Cable B + Cable C + Transducer.
c) Net = Reading + Antenna Factor - Pre-Amp + Insert. Loss.
d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics).
e) Negative signs (-) in Margin column signify levels below the limits.

# Intertek Testing Services - Menlo Park

## *Radiated Emissions Test Data*

| | | | | | | |
|---|---|---|---|---|---|---|
| **Company:** | Philips | **Model #:** | OZEO | **Req.** | FCC 22 (H) | |
| **EUT:** | Cell Phone (Dual band) | **FCC ID:** | M7VTCD588 | **Test Dist.** | 3 | meters |
| **Project #:** | J20017867 | **Test Date:** | June 27, 2000 | **Tr. Power** | 0.60 | Watt |
| **Test Mode:** | Transmitting 848.97 | **Engineer:** | Barry S. | **Min. Attn.** | 40.8 | dBc |

| | Antenna Used | | | Pre-Amp Used | | | Cable Used | | | Transducer Used |
|---|---|---|---|---|---|---|---|---|---|---|
| **Number:** | 7 | 22 | 14 | 8 | 12 | 13 | 21 | | | 0 |
| **Model:** | EM LPA-25 | 3160-10 | EMCO 3115 | CDI_P1000 | ACO/180 | ACO/400 | Grn_M-1 | None | None | None |

| Frequency | Reading | Detector | Ant. | Amp | Ant. Pol. | Ant. Factor | Pre-Amp | Insert. Loss | Net | Spurious Attn. | Attn. Limit | Margin |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MHz | dB(µV) | P/A/Q | # | # | H/V | dB(1/m) | dB | dB | dB(µV/m) | dBc | dBc | dB |
| 848.97 | 102.0 | Peak | 7 | 0 | V | 22.0 | 0.0 | 2.0 | 126.0 | N/A | N/A | N/A |
| 1697.97 | 37.0 | Peak | 14 | 0 | V | 26.6 | 0.0 | 3.0 | 66.6 | 59.4 | 40.8 | -18.6 |
| 2546.91 | 37.0 | Peak | 14 | 8 | V | 30.4 | 28.5 | 2.3 | 41.2 | 84.8 | 40.8 | -44.0 |
| 3395.88 | 35.1 | Peak | 14 | 8 | V | 31.3 | 27.9 | 2.5 | 41.0 | 85.0 | 40.8 | -44.2 |
| 4244.80 | 28.6 | Peak | 14 | 8 | V | 34.2 | 27.9 | 2.9 | 37.8 | 88.2 | 40.8 | -47.4 |
| 5093.82 | 37.1 | Peak | 14 | 8 | V | 35.4 | 28.3 | 3.5 | 47.7 | 78.3 | 40.8 | -37.5 |
| 5942.81 | 23.0 | Peak | 14 | 8 | H | 36.2 | 28.3 | 3.7 | 34.6 | 91.4 | 40.8 | -50.6 |
| 6791.76 | 26.1 | Peak | 14 | 8 | H | 36.7 | 28.0 | 4.2 | 39.0 | 87.0 | 40.8 | -46.2 |
| 7640.73 | 28.0 | Peak | 14 | 8 | H | 38.5 | 27.8 | 4.6 | 43.3 | 82.7 | 40.8 | -41.9 |
| 8489.70 | 19.0 | Peak | 14 | 8 | H | 38.4 | 27.1 | 4.8 | 35.1 | 90.9 | 40.8 | -50.1 |

**Notes:**

a) O.C.F.:Other Correction Factor

b) Insert. Loss = Cable A + Cable B + Cable C + Transducer.

c) Net = Reading + Antenna Factor - Pre-Amp + Insert. Loss.

d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics).

e) Negative signs (-) in Margin column signify levels below the limits.

# Intertek Testing Services - Menlo Park

## *Radiated Emissions Test Data*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company** | Philips | **Model #:** | OZEO | Req. | FCC 22 (H) | |
| **EUT:** | Cell Phone (Dual band) | **FCC ID:** | M7VTCD588 | Test Dist. | 3 | meters |
| **Project #:** | J20017867 | **Test Date:** | June 26, 2000 | Tr. Power | 0.60 | Watt |
| **Test Mode:** | Transmitting at 1850.04 MHz | **Engineer:** | Barry S. | Min. Attn. | 40.8 | dBc |

| | Antenna Used | | | Pre-Amp Used | | | Cable Used | | | Transducer Used |
|---|---|---|---|---|---|---|---|---|---|---|
| **Number:** | 7 | 21 | 14 | 8 | 12 | 13 | 21 | | | 0 |
| **Model:** | EM LPA 25 | 3160-8 | EMCO 3115 | CDI_P1000 | ACO 130 | ACO/400 | Grn_M+L | None | None | None |

| Frequency | Reading | Detector | Ant | Amp. | Ant. Pol. | Ant. Factor | Pre-Amp | Insert. Loss | Net | Spurious Attn. | Attn. Limit | Margin |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MHz | dB(µV) | P/A/Q | # | # | H/V | dB(1/m) | dB | dB | dB(µV/m) | dBc | dBc | dB |
| 1850.04 | 93.6 | Peak | 14 | 0 | V | 26.6 | 0.0 | 3.1 | 123.3 | N/A | N/A | N/A |
| 3700.00 | 23.3 | Peak | 14 | 0 | V | 32.5 | 0.0 | 2.7 | 58.5 | 64.8 | 40.8 | -24.0 |
| 5550.00 | 43.0 | Peak | 14 | 8 | H | 36.2 | 28.3 | 3.7 | 54.6 | 68.7 | 40.8 | -27.9 |
| 7400.12 | 30.4 | Peak | 14 | 8 | H | 37.8 | 28.0 | 4.3 | 44.5 | 78.8 | 40.8 | -38.0 |
| 9215.16 | 29.9 | Peak | 14 | 8 | H | 39.9 | 27.0 | 4.7 | 47.5 | 75.8 | 40.8 | -35.0 |
| 11100.20 | 34.7 | Peak | 14 | 12 | H | 40.7 | 32.5 | 5.6 | 48.5 | 74.8 | 40.8 | -34.0 |
| 12950.00 | 26.2 | Peak | 14 | 12 | H | 41.1 | 32.4 | 6.0 | 40.9 | 82.4 | 40.8 | -41.6 |
| 14800.20 | 22.4 | Peak | 14 | 12 | H | 40.0 | 32.4 | 6.8 | 36.8 | 86.5 | 40.8 | -45.7 |
| 16650.30 | 23.6 | Peak | 14 | 12 | H | 41.3 | 32.3 | 7.2 | 39.8 | 83.5 | 40.8 | -42.7 |
| 18500.00 | 23.9 | Peak | 21 | 12 | H | 40.2 | 32.2 | 7.6 | 39.5 | 83.8 | 40.8 | -43.0 |

***Notes:***

a) O.C.F.: Other Correction Factor

b) Insert. Loss = Cable A + Cable B + Cable C + Transducer.

c) Net = Reading + Antenna Factor - Pre-Amp + Insert. Loss.

d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics).

e) Negative signs (-) in Margin column signify levels below the limits.

# Intertek Testing Services - Menlo Park

## *Radiated Emissions Test Data*

| | | | | | | |
|---|---|---|---|---|---|---|
| **Company** | Philips | **Model #:** | OZEO | **Req** | FCC 22 (H) | |
| **EUT:** | Cell Phone (Dual band) | **FCC ID:** | M7VTCD588 | **Test Dist.** | 3 | meters |
| **Project #:** | J20017867 | **Test Date:** | June 26, 2000 | **Tr. Power** | 0.60 | Watt |
| **Test Mode:** | Transmitting at 1879.98 | **Engineer:** | Barry S. | **Min. Attn.** | 40.8 | dBc |

| | Antenna Used | | | Pre-Amp Used | | | Cable Used | | | Transducer Used |
|---|---|---|---|---|---|---|---|---|---|---|
| Number: | 7 | 21 | 14 | 8 | 12 | 13 | 21 | | | 0 |
| Model: | EM LPA 25 | 3160-9 | EMCO 3115 | CDI_P1000 0 | ACO/160 | ACO/400 | Grn_M+L | None | None | None |

| Frequency | Reading | Detector | Ant. | Amp. | Ant. Pol. | Ant. Factor | Pre-Amp | Insert. Loss | Net | Spurious Attn. | Attn. Limit | Margin |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MHz | dB(µV) | P/A/Q | # | # | H/V | dB(1/m) | dB | dB | dB(µV/m) | dBc | dBc | dB |
| 1879.98 | 90.9 | Peak | 14 | 0 | V | 26.6 | 0.0 | 3.1 | 120.6 | N/A | N/A | N/A |
| 3760.00 | 27.0 | Peak | 14 | | H | 32.1 | 0.0 | 2.7 | 61.8 | 58.8 | 40.8 | -18.0 |
| 5640.00 | 41.3 | Peak | 14 | 8 | V | 36.1 | 28.3 | 3.7 | 52.8 | 67.8 | 40.8 | -27.0 |
| 7520.00 | 29.2 | Peak | 14 | 8 | V | 37.8 | 28.0 | 4.6 | 43.6 | 77.0 | 40.8 | -36.2 |
| 9400.00 | 32.2 | Peak | 14 | 8 | H | 39.9 | 27.3 | 4.7 | 49.5 | 71.1 | 40.8 | -30.3 |
| 11279.00 | 31.6 | Peak | 14 | 12 | H | 40.7 | 32.5 | 5.6 | 45.4 | 75.2 | 40.8 | -34.4 |
| 13159.00 | 28.3 | Peak | 14 | 12 | H | 40.0 | 32.4 | 6.1 | 42.0 | 78.6 | 40.8 | -37.8 |
| 15039.00 | 23.0 | Peak | 14 | 12 | H | 41.7 | 32.4 | 6.8 | 39.1 | 81.5 | 40.8 | -40.8 |
| 16919.00 | 23.4 | Peak | 14 | 12 | H | 41.3 | 32.3 | 7.2 | 39.6 | 81.0 | 40.8 | -40.2 |
| 18799.00 | 26.7 | Peak | 21 | 12 | H | 40.2 | 32.2 | 7.6 | 42.3 | 78.3 | 40.8 | -37.5 |

**Notes:**

a) O.C.F :Other Correction Factor

b) Insert. Loss = Cable A + Cable B + Cable C + Transducer.

c) Net = Reading + Antenna Factor - Pre-Amp + Insert. Loss.

d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics).

e) Negative signs (-) in Margin column signify levels below the limits.

# Intertek Testing Services - Menlo Park

## *Radiated Emissions Test Data*

| | | | | | | |
|---|---|---|---|---|---|---|
| **Company** | Philips | **Model #:** | OZEO | **Req** | FCC 22 (H) | |
| **EUT:** | Cell Phone (Dual band) | **FCC ID:** | M7VTCD588 | **Test Dist.** | 3 | meters |
| **Project #:** | J20017867 | **Test Date:** | June 26, 2000 | **Tr Power** | 0.60 | Watt |
| **Test Mode:** | Transmitting at 1909.92 MHz | **Engineer:** | Barry S. | **Min. Attn** | 40.8 | dBc |

| | Antenna Used | | | Pre-Amp Used | | | Cable Used | | | Transducer Used |
|---|---|---|---|---|---|---|---|---|---|---|
| **Number:** | 7 | 22 | 14 | 8 | 12 | 13 | 21 | | | 0 |
| **Model:** | EM1PA-25 | 3160-10 | EMCO 3115 | CDI_P1000 | ACO/180 | ACO/400 | Gr_M+L | None | None | None |

| Frequency | Reading | Detector | Ant | Amp. | Ant. Pol. | Ant. Factor | Pre-Amp | Insert. Loss | Net | Spurious Attn. | Attn. Limit | Margin |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MHz | dB(µV) | P/A/Q | # | # | H/V | dB(1/m) | dB | dB | dB(µV/m) | dBc | dBc | dB |
| 1909.92 | 90.3 | Peak | 14 | 0 | V | 26.6 | 0.0 | 2.2 | 119.1 | N/A | N/A | N/A |
| 3819.80 | 25.0 | Peak | 14 | 0 | V | 32.5 | 0.0 | 2.7 | 60.2 | 58.9 | 40.8 | -18.1 |
| 5729.70 | 44.0 | Peak | 14 | 8 | H | 36.2 | 28.3 | 3.7 | 55.6 | 63.5 | 40.8 | -22.7 |
| 7639.60 | 32.2 | Peak | 14 | 8 | H | 38.5 | 27.8 | 4.6 | 47.5 | 71.6 | 40.8 | -30.8 |
| 9549.60 | 41.8 | Peak | 14 | 8 | H | 39.0 | 27.3 | 5.0 | 58.5 | 60.6 | 40.8 | -19.8 |
| 11459.50 | 31.7 | Peak | 14 | 12 | H | 40.7 | 32.5 | 5.6 | 45.5 | 73.6 | 40.8 | -32.8 |
| 13369.40 | 27.5 | Peak | 14 | 12 | H | 40.0 | 32.4 | 6.1 | 41.2 | 77.9 | 40.8 | -37.1 |
| 15279.30 | 22.4 | Peak | 14 | 12 | H | 41.7 | 32.4 | 6.8 | 38.5 | 80.6 | 40.8 | -39.9 |
| 17189.20 | 24.1 | Peak | 14 | 12 | H | 43.0 | 32.3 | 7.5 | 42.3 | 76.8 | 40.8 | -36.0 |
| 19099.20 | 26.9 | Peak | 21 | 12 | H | 40.2 | 32.2 | 7.7 | 42.6 | 76.5 | 40.8 | -35.7 |

**Notes:**

a) O.C.F.: Other Correction Factor

b) Insert. Loss = Cable A + Cable B + Cable C + Transducer.

c) Net = Reading + Antenna Factor - Pre-Amp + Insert. Loss.

d) Attn. = Field Strength (Fundamental) - Field Strength (Harmonics).

e) Negative signs (-) in Margin column signify levels below the limits.

# Intertek Testing Services - Menlo Park

## *Radiated Emissions Test Data*

| | | | | | | |
|---|---|---|---|---|---|---|
| **Company:** | Philips | **Model #:** | OZEO | **Standard_** | **FCC § 15B** | |
| **EUT:** | Cell Phone (Dual band) | **FCC ID:** | M7VTCD588 | **Limits** | 2 | |
| **Project #:** | J20017867 | **Test Date:** | June 26, 2000 | **Test Distance_** | 3 | meters |
| **Test Mode:** | Receiving | **Engineer:** | Barry S. | **Duty Relaxation** | 0 | dB |

| | Antenna Used | | | Pre-Amp Used | | | Cable Used | | | Transducer Used |
|---|---|---|---|---|---|---|---|---|---|---|
| **Number:** | 10 | 7 | 9 | 5 | 0 | 0 | 1 | 0 | 0 | 0 |
| **Model:** | EMCO 3104 | EM LPA-25 | EMCO 3104 | CDI_P950 | None | None | Site 2 3m | None | None | None |

| Frequency | Reading | Detector | Ant | Amp. | Ant. Pol. | Ant. Factor | Pre-Amp | Insert. Loss | D. C. F | Net | Limit @3m | Margin |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MHz | dB(µV) | P/A/Q | # | # | H/V | dB(1/m) | dB | dB | dB | dB(µV/m) | dB(µV/m) | dB |
| 31.30 | 35.0 | Peak | 9 | 5 | V | 11.7 | 18.4 | 0.8 | 0.0 | 29.1 | 40.0 | -10.9 |
| 49.76 | 29.3 | Peak | 9 | 5 | H | 11.3 | 18.8 | 0.9 | 0.0 | 22.7 | 40.0 | -17.3 |
| 57.75 | 28.6 | Peak | 9 | 5 | H | 11.3 | 18.5 | 1.1 | 0.0 | 22.5 | 40.0 | -17.5 |
| 147.60 | 29.2 | Peak | 9 | 5 | V | 13.3 | 19.1 | 2.2 | 0.0 | 25.6 | 43.5 | -17.9 |
| 193.05 | 27.2 | Peak | 9 | 5 | V | 17.5 | 18.3 | 2.0 | 0.0 | 28.4 | 43.5 | -15.1 |
| 204.30 | 31.0 | Peak | 9 | 5 | V | 17.2 | 19.5 | 2.0 | 0.0 | 30.7 | 43.5 | -12.8 |
| 221.50 | 34.0 | Peak | 7 | 5 | V | 11.3 | 19.5 | 2.0 | 0.0 | 27.8 | 46.0 | -18.2 |

***Notes:***

a) D.C.F.:Distance Correction Factor

b) Insert. Loss (dB) = Cable A + Cable B + Cable C .

c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).

d) Negative signs (-) in Margin column signify levels below the limits.

e) All other emissions not reported are below the equipment noise floor which is at least 20 dB below the limits.