

# High

|                                                                       |                         |                     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
|-----------------------------------------------------------------------|-------------------------|---------------------|------|------|-------|----------|-----|---------------------------|--------|-----------------------------------|---------|----------|---------|----------------|--|
|                                                                       |                         | FCC Measurement     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
| <b>Compliance Certification Services, Morgan Hill Open Field Site</b> |                         |                     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
|                                                                       |                         |                     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
| Customer                                                              |                         |                     |      |      |       | 12/02/02 |     |                           |        |                                   |         |          |         |                |  |
| EUT: See Low Ch                                                       |                         |                     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
|                                                                       |                         | Cable length        |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
|                                                                       |                         | 12.0                |      | feet |       |          |     |                           |        |                                   |         |          |         |                |  |
|                                                                       |                         | Distance to Antenna |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
|                                                                       |                         | 3.3                 |      | feet |       |          |     |                           |        |                                   |         |          |         |                |  |
| Average Measurements:                                                 |                         |                     |      |      |       |          |     | Peak Measurements:        |        |                                   |         |          |         |                |  |
| 1 MHz Resolution Bandwidth                                            |                         |                     |      |      |       |          |     | 1MHz Resolution Bandwidth |        |                                   |         |          |         |                |  |
| 10Hz Video Bandwidth                                                  |                         |                     |      |      |       |          |     | 1MHz Video Bandwidth      |        |                                   |         |          |         |                |  |
|                                                                       |                         |                     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
| High Channel:                                                         |                         |                     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
| 5847.00                                                               |                         |                     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
| f                                                                     | Peak R.                 | Avg. R.             | AF   | CL   | Amp   | D Corr   | HPF | Peak                      | Avg    | Pk Lim                            | Avg Lim | Peak Mar | Avg Mar | Notes          |  |
| GHz                                                                   | dBuV                    | dBuV                | dB/m | dB   | dB    | dB       | dB  | dBuV/m                    | dBuV/m | dBuV/m                            | dBuV/m  | dB       | dB      |                |  |
| 5.847                                                                 | 95.3                    | 85.5                | 34.5 | 5.2  | 0.0   | -9.5     | 0.0 | 125.5                     | 115.7  | 74.0                              | 54.0    | 51.5     | 61.7    | V, Fundamental |  |
| 5.847                                                                 | 75.5                    | 65.5                | 34.5 | 5.2  | 0.0   | -9.5     | 0.0 | 105.7                     | 95.7   | 74.0                              | 54.0    | 31.7     | 41.7    | H, Fundamental |  |
| 11.694                                                                | 45.0                    | 34.0                | 39.1 | 7.5  | -37.2 | -9.5     | 1.0 | 45.9                      | 34.9   | 74.0                              | 54.0    | -28.1    | -19.1   | V, NF          |  |
| 11.694                                                                | 44.0                    | 34.0                | 39.1 | 7.5  | -37.2 | -9.5     | 1.0 | 44.9                      | 34.9   | 74.0                              | 54.0    | -29.1    | -19.1   | H, NF          |  |
| 17.541                                                                | 45.5                    | 34.8                | 43.9 | 10.1 | -38.0 | -9.5     | 1.0 | 53.0                      | 42.3   | 74.0                              | 54.0    | -21.0    | -11.7   | V, NF          |  |
| 17.541                                                                | 45.3                    | 34.5                | 43.9 | 10.1 | -38.0 | -9.5     | 1.0 | 52.8                      | 42.0   | 74.0                              | 54.0    | -21.2    | -12.0   | H, NF          |  |
| 23.388                                                                | 47.0                    | 35.7                | 46.6 | 12.7 | -39.0 | -9.5     | 1.0 | 58.8                      | 47.5   | 74.0                              | 54.0    | -15.2    | -6.5    | V, NF          |  |
| 23.388                                                                | 47.0                    | 35.6                | 46.6 | 12.7 | -39.0 | -9.5     | 1.0 | 58.8                      | 47.4   | 74.0                              | 54.0    | -15.2    | -6.6    | H, NF          |  |
|                                                                       |                         |                     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
|                                                                       |                         |                     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
|                                                                       |                         |                     |      |      |       |          |     |                           |        |                                   |         |          |         |                |  |
| f                                                                     | Measurement Frequency   |                     |      |      |       |          |     | HPF                       |        | High Pass filter                  |         |          |         |                |  |
| Peak R.                                                               | Analyzer Peak Reading   |                     |      |      |       |          |     | Peak                      |        | Calculated peak field Strength    |         |          |         |                |  |
| Avg. R.                                                               | Analyzer Avg. Reading   |                     |      |      |       |          |     | Avg                       |        | Calculated average field Strength |         |          |         |                |  |
| AF                                                                    | Antenna Factor          |                     |      |      |       |          |     | Pk Lim                    |        | Peak Field Strength Limit         |         |          |         |                |  |
| CL                                                                    | Cable Loss              |                     |      |      |       |          |     | Avg Lim                   |        | Average Field Strength Limit      |         |          |         |                |  |
| Amp                                                                   | Pre amp gain            |                     |      |      |       |          |     | Pk Mar                    |        | Margin vs. Peak Limit             |         |          |         |                |  |
| D Corr                                                                | Discrections to 3 meter |                     |      |      |       |          |     | Avg Mar                   |        | Margin vs. Average Limit          |         |          |         |                |  |