



Fiber Attenuation Length Test Report

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|-----------------------|--------------|-------------|-------|-----------|----------------|
| BCF #: | BCF-10 | Preform #: | 33684 | Customer: | UNIV OF HAWAII |
| Fiber size (O in mm): | 5.000 Square | Technician: | JOE | Order #: | 42370 |
| Sample#: | 1 | Tower: | 1 | Tension: | OK |

Comments

Attenuation Length (cm.): **236.64**

| Position | Signal |
|----------|--------|
| 10 | 826.0 |
| 20 | 792.5 |
| 30 | 741.1 |
| 40 | 704.9 |
| 50 | 681.8 |
| 60 | 554.5 |
| 70 | 546.3 |
| 80 | 488.3 |
| 90 | 483.5 |
| 100 | 510.0 |
| 110 | 446.5 |
| 120 | 456.0 |
| 130 | 432.6 |
| 140 | 418.5 |
| 150 | 414.3 |
| 160 | 362.8 |
| 170 | 387.0 |
| 180 | 359.5 |
| 190 | 364.1 |
| 200 | 370.9 |
| 210 | 322.2 |
| 220 | 330.1 |
| 230 | 307.8 |
| 240 | 305.0 |
| 250 | 304.5 |
| 260 | 266.1 |
| 270 | 283.8 |
| 280 | 280.3 |
| 290 | 280.4 |
| 300 | 289.0 |

$$y = 743.25e^{-0.004x}$$

$$R^2 = 0.94$$

Fiber Attenuation Graph

