BTech’s Model BT-2RCL transducer is a proven standard for underwater acoustic communication (ACOMMS).

**Specifications (Nominal):**
- Resonance Frequency ($f_r$): 28 kHz
- Suggested Range: 20 – 40 kHz
- TVR at $f_r$: 141 dB re 1 μPa/V
- OCVS at $f_r$: -191 dB re 1 V/μPa
- Horizontal Beam Pattern: Omnidirectional
- Vertical Beam Pattern: Toroidal

**Performance Curves (Nominal):**

- **Transmitting Voltage Response (TVR)**
  - Frequency vs. TVR (dB re 1 μPa/V @ 1 m)
  - Frequency range: 10 kHz to 50 kHz
  - TVR range: 110 to 150 dB

- **Open Circuit Voltage Sensitivity (OCVS)**
  - Frequency vs. OCVS (dB re 1 V/μPa @ 1 m)
  - Frequency range: 10 kHz to 50 kHz
  - OCVS range: -220 to -180 dB

- **Admittance (Cp & G) in Water**
  - Frequency vs. Parallel Capacitance (Cp) in nF
  - Frequency range: 10 kHz to 50 kHz
  - Cp range: 0 to 1.6 nF

- **Vertical Beam Pattern**
  - Frequency range: 10 kHz to 50 kHz
  - dB Scale range: -30 to 3 dB

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