

# QuantumBCI Analysis Report

Generated: 2025-10-01 17:51:12

## Session Information

Filename:	S001R01.edf
Upload Time:	2025-10-01 17:46:52
Original Channels:	64
Selected Channels:	20
Processing Status:	processing

## Brain Metrics Analysis

Brain State:	Unknown
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## Frequency Band Powers

Band	Absolute Power (uV^2)	Relative Power (%)
Delta	0.0000	65.76%
Theta	0.0000	15.11%
Alpha	0.0000	9.06%
Beta	0.0000	8.56%
Gamma	0.0000	1.51%

## Model Predictions

Model	Type	Accuracy	Processing Time
QSVM	quantum	90.00%	0.047s

## Summary & Recommendations

- Best performing model: QSVM with 90.00% accuracy

- Detected brain state: Unknown
- Dominant frequency band: Delta
- Total spectral power: 0.0000  $\mu\text{V}^2$

**Clinical Recommendations:**

- Low alpha activity - may indicate stress or active cognitive processing
- Continue monitoring for trend analysis
- Consult with neurologist for clinical interpretation