

# QuantumBCI Analysis Report

Generated: 2025-10-01 18:01:50

## Session Information

Filename:	test_eeg_64ch.edf
Upload Time:	2025-10-01 18:00:17
Original Channels:	64
Selected Channels:	20
Processing Status:	processing

## Brain Metrics Analysis

Brain State:	Unknown
--------------	---------

## Frequency Band Powers

Band	Absolute Power (uV^2)	Relative Power (%)
Delta	0.0000	0.03%
Theta	0.0000	0.01%
Alpha	0.0000	73.30%
Beta	0.0000	26.62%
Gamma	0.0000	0.03%

## Model Predictions

Model	Prediction	Accuracy	Time (s)
QSVM	Relaxed State	100.00%	0.086

## Summary & Recommendations

- Best performing model: QSVM with 100.00% accuracy

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

### **Clinical Recommendations:**

- High alpha activity detected - suggests relaxed, wakeful state
- Continue monitoring for trend analysis
- Consult with neurologist for clinical interpretation