

QuantumBCI Analysis Report

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Session Information

Filename:	test_eeg_64ch.edf
Upload Time:	2025-10-01 18:43:38
Original Channels:	64
Selected Channels:	20
Processing Status:	processing

Brain Metrics Analysis

Brain State:	Relaxed/Meditative (High Alpha)
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Frequency Band Powers

Band	Absolute Power (uV^2)	Relative Power (%)
Delta	0.0000	0.24%
Theta	0.0000	0.20%
Alpha	0.0000	71.94%
Beta	0.0000	26.91%
Gamma	0.0000	0.71%

Model Predictions

Model	Prediction	Accuracy	Time (s)
Brain State Classifier (Scientific)	Relaxed/Meditative (High Alpha)	100.00%	0.050

Summary & Recommendations

- Best performing model: Brain State Classifier (Scientific) with 100.00% accuracy

- Detected brain state: Relaxed/Meditative (High Alpha)
- Dominant frequency band: Delta
- Total spectral power: 0.0000 μV^2

Clinical Recommendations:

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