

FreqCheck™

FREQUENCY AUDIT REPORT | IND CORE™ TECHNOLOGY

REPORT ID: 6A801216-8DE60618-B647EB
TIMESTAMP: 15.8.2026, 9:15
SOURCE CATEGORY: Line In (Instrumentation)
ANALYSIS MODE: LIVE SOURCE

METROLOGY CONFIGURATION SNAPSHOT

SAMPLE RATE: 48.0 kHz
ADC CEILING: 0.17 V
SENSITIVITY: 51.10 mV/Pa
OFFSET: +0.0 dB
MAX AMPLITUDE: 73.6 dB

LABORATORY SPECTRAL TELEMETRY

UNCERTAINTY DISCLOSURE: NIST-Traceable Adaptive Quantization Limits ± 0.146 Hz to ± 0.73 Hz.
Reported values reflect Dynamic FFT Bin Centers based on band-specific frequency resolution @ 48.0kHz.

BAND	CAT. LIMITS	DETECTED RANGE	NIST PEAK
DELTA	0.5-4.0Hz	0.3-3.8Hz	3.52 Hz
THETA	4.0-8.0Hz	3.8-7.9Hz	6.15 Hz
ALPHA	8.0-12.0Hz	7.9-10.5Hz	9.96 Hz
BETA	12.0-30.0Hz	11.7-19.9Hz	19.92 Hz
GAMMA	30.0-100.0Hz	29.3-36.6Hz	29.30 Hz

DETECTION CHRONOLOGY (TIMECODE BREAKDOWN)

TIME	BAND	SIGNAL	INTENSITY
09:09:43.33	SIGNAL	9.67 Hz	73.1 dB
09:09:43.52	ALPHA	9.96 Hz	72.8 dB
09:10:02.13	BETA	19.92 Hz	73.1 dB
09:10:04.33	ALPHA	9.96 Hz	72.7 dB
09:10:10.98	ALPHA	10.25 Hz	73.3 dB
09:10:11.86	ALPHA	7.91 Hz	72.8 dB
09:10:12.87	THETA	5.86 Hz	73.0 dB
09:10:21.75	THETA	6.15 Hz	73.6 dB
09:10:22.59	THETA	4.39 Hz	73.1 dB
09:10:23.29	THETA	4.10 Hz	72.4 dB

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CRYPTOGRAPHIC SEAL (SHA-256): f02f0ce9b34b0f6b5cf62aa1f8f75352dc12d49e7540400e2bfb97912861cea2

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TIME	BAND	SIGNAL	INTENSITY
09:10:25.15	THETA	3.81 Hz	72.7 dB
09:10:26.19	DELTA	3.52 Hz	69.6 dB
09:10:26.70	DELTA	1.76 Hz	71.2 dB
09:10:27.55	DELTA	0.88 Hz	68.7 dB
09:10:57.58	DELTA	1.17 Hz	64.5 dB
09:10:58.09	DELTA	0.88 Hz	62.7 dB
09:10:58.96	DELTA	1.46 Hz	60.4 dB
09:10:59.63	DELTA	1.17 Hz	62.8 dB
09:11:01.01	DELTA	0.88 Hz	63.7 dB
09:11:01.86	DELTA	0.59 Hz	62.4 dB
09:11:31.21	DELTA	0.29 Hz	50.4 dB
09:11:56.96	DELTA	0.59 Hz	48.7 dB
09:11:57.84	DELTA	0.88 Hz	51.3 dB
09:11:59.19	DELTA	0.29 Hz	48.8 dB
09:12:19.63	DELTA	1.46 Hz	55.4 dB
09:12:21.90	DELTA	0.59 Hz	25.6 dB
09:12:22.24	DELTA	0.29 Hz	36.1 dB
09:12:25.99	DELTA	1.46 Hz	29.6 dB
09:12:26.34	DELTA	1.17 Hz	41.3 dB
09:12:27.69	DELTA	0.88 Hz	27.6 dB
09:12:28.19	DELTA	0.59 Hz	31.1 dB
09:12:28.88	DELTA	0.29 Hz	40.0 dB
09:12:51.75	DELTA	1.46 Hz	56.7 dB
09:12:52.60	DELTA	1.76 Hz	48.8 dB
09:12:53.28	DELTA	0.88 Hz	55.0 dB
09:12:54.49	DELTA	1.17 Hz	43.6 dB
09:12:56.38	DELTA	0.88 Hz	29.9 dB
09:12:56.53	DELTA	0.59 Hz	31.6 dB
09:12:56.85	DELTA	0.29 Hz	29.0 dB
09:13:12.40	SIGNAL	2.05 Hz	59.3 dB
09:13:12.59	DELTA	1.17 Hz	64.0 dB
09:13:13.45	DELTA	0.88 Hz	49.0 dB
09:13:14.11	DELTA	1.17 Hz	65.4 dB
09:13:14.30	DELTA	0.59 Hz	55.7 dB
09:13:15.14	DELTA	1.17 Hz	55.6 dB
09:13:15.45	DELTA	1.46 Hz	40.2 dB
09:13:17.88	DELTA	0.88 Hz	66.3 dB
09:13:18.20	DELTA	1.17 Hz	57.4 dB
09:13:20.94	DELTA	0.88 Hz	49.4 dB
09:13:22.13	DELTA	0.59 Hz	40.7 dB
09:13:22.64	DELTA	0.29 Hz	46.9 dB

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