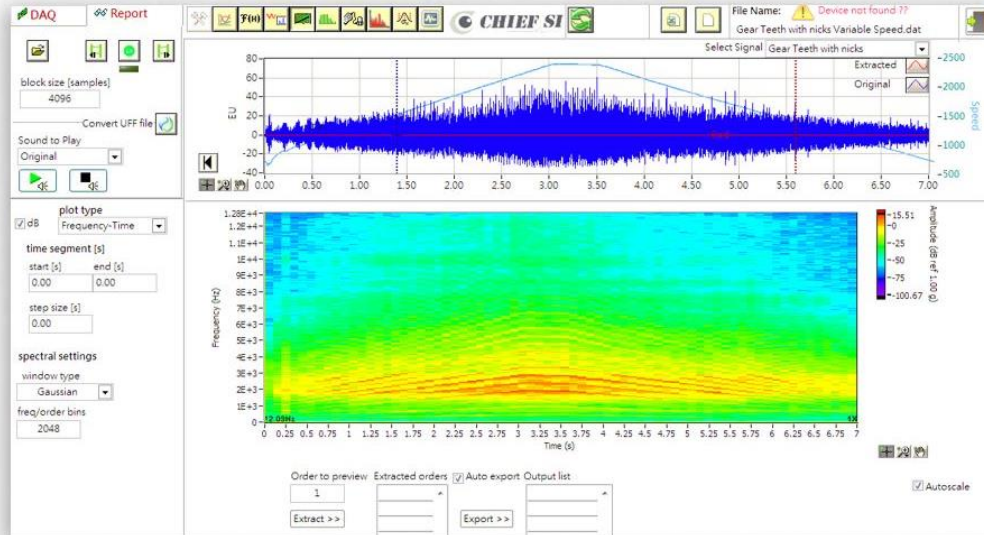


FLEXDSA

Spectrum analyzer designed for noise and vibration



System Feature

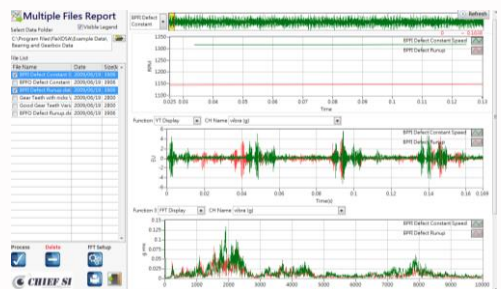
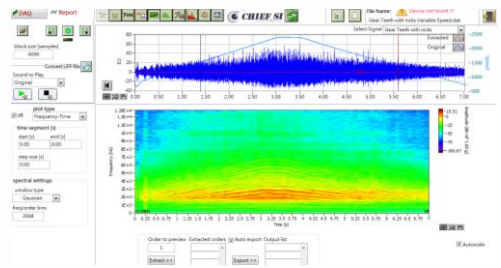
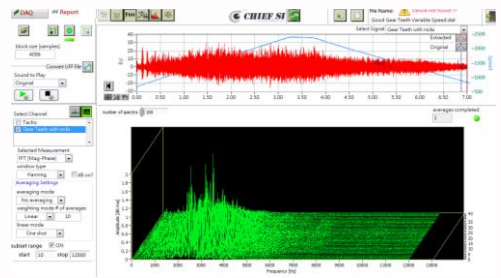
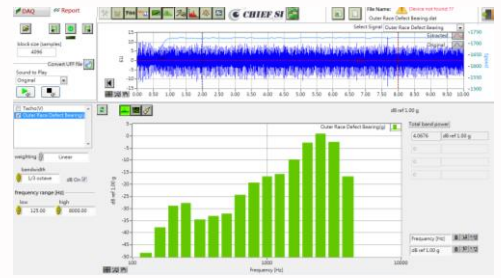
- ✓ Max bandwidth: 102.4 kHz
- ✓ 24-bit resolution.
- ✓ Provides analysis functions as YT, FFT, Water Fall, FRF, Vibration Level, etc.
- ✓ Option of analysis function of SRS, Order, Octave, Floor Vibration, etc.
- ✓ Multi-file spectrum comparison.
- ✓ Support UFF file format.
- ✓ Directly play sound.
- ✓ Export measuring data and graph into Excel format.
- ✓ Solution of DSA for Vibration and Noise.
- ✓ Option of various analysis functions.
- ✓ Feasible price.

Application

- ✓ Vibration and noise measuring, logging and analyzing.
- ✓ Motor, floor vibration and engine noise inspection.

Specification

DSA	Version	Base, Advanced, Professional
	Channel	Max. 32
	Bandwidth	102.4 kHz Max. ^{Note1}
	Simultaneous sampling	Yes
	Resolution	24-bit
	IEPE support	Yes
	Input couple	AC or DC
	AC cutoff(Hz)	0.1Hz ~ 3.4Hz (depend on hardware) ^{Note2}
Function	Signal output	SINE, Swept sine, White noise, Pink noise ^{Note3}
	FFT	FFT, Power spectrum, Power spectrum density
	Windows type	Hanning, Hamming, Blackman, Flat Top
	Averaging mode	RMS, Peak Hold
	Weighting mode	Linear, Exponential
	Display	Spectrum, Phase, Water fall
	FRF	H1/H2/H3 mode, Magnitude & Phase, Coherence
	Vibration level	Acceleration, Velocity, Displacement
	Calculate	Mean, Max, Min, P to P, RMS
	Multi-file compare	Yes
	UFF output	Yes
	Play sound	Yes
Output format	Excel (data and graph)	
Order	Color map ~ Order extract	
Octave	1/24, 1/12, 1/6, 1/3 Octave	
Floor Vibration (Option)	VC-A/B/C/D/E	
Rotation Vibration (Option)	RV	
QC(Option)	YT limit, FFT limit	
Environment	Support language	English
	CPU	P4(min), RAM:1GB, HD:1GB, USB 2.0
	OS	XP, Win 7, Win10
	Monitor	1280*800 resolution



Version

Function	Description	Version		
		Base	Advanced	Professional
Configuration	Configuration	✓	✓	✓
	Trigger	✓	✓	✓
	Tachometer		✓	✓
	dB reference edit		✓	✓
	Max. channel	5	32	32
Analysis	YT	✓	✓	✓
	Power spectrum	✓	✓	✓
	Power spectrum density	✓	✓	✓
	FFT	✓	✓	✓
	Waterfall	✓	✓	✓
	Windows	✓	✓	✓
	Average	✓	✓	✓
	Vibration level ^{note4}	✓	✓	✓
	Statistics ^{note5}	✓	✓	✓
	Octave ^{note6}		✓	✓
	FRF		✓	✓
	Order			✓
	Color map			✓
	Order tracking			✓
	Time frequency			✓
Option	RV	✓	✓	✓
	Floor vibration	✓	✓	✓
	QC	✓	✓	✓
Report	Play back	✓	✓	✓
	Sound	✓	✓	✓
	Filter	✓	✓	✓
	EXCEL	✓	✓	✓
	ASCII	✓	✓	✓
	UFF58		✓	✓
	Multi-File compare	✓	✓	✓

Note 1: Bandwidth: 9234: 25.6 kHz, 4431: 51.2 kHz, 4432:51.2 kHz, 4462: 102.4 kHz

Note 2:-3dB Cut-off Frequency: 9234: 0.5Hz, 4431: 0.8Hz, 4432: 0.1Hz, 4462: 3.4Hz

Note 3: Only for 4431

Note 4: Acceleration, Velocity, Displacement

Note 5: Mean, RMS, Max, Min, P to P, Peak of FFT

Note 6: Weighting (A, B, C, Linear), 1, 1/3, 1/6, 1/12, 1/24 Octave

Optional analysis module: Floor Vibration, RV

Optional hardware module: RPM sensor Chief RPM01 / Engine Probe Chief PB01