

Option for WEIVER 2.0 / WEIVER 2.0 Player
RF CAPTURE & PLAYBACK SYSTEM

HD Radio® Tester

WEIVER 2.0/ Player Generated Certified HD Radio Test Signals
Covering frequencies from 100KHz to 2.7GHz Max. 56MHz bandwidth recording

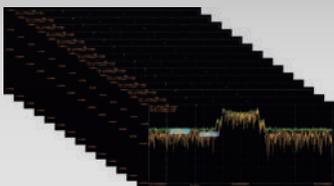


2TB External SSD



300 HD RADIO Vector Files

AM 87 files / FM 213 files



Expression of 300 Vector files in
Spectrum Masks

API & Command

Verify Your HD RADIO Performance



Expression of 300 Vector files in
Spectrum Masks

Certified by HD RADIO

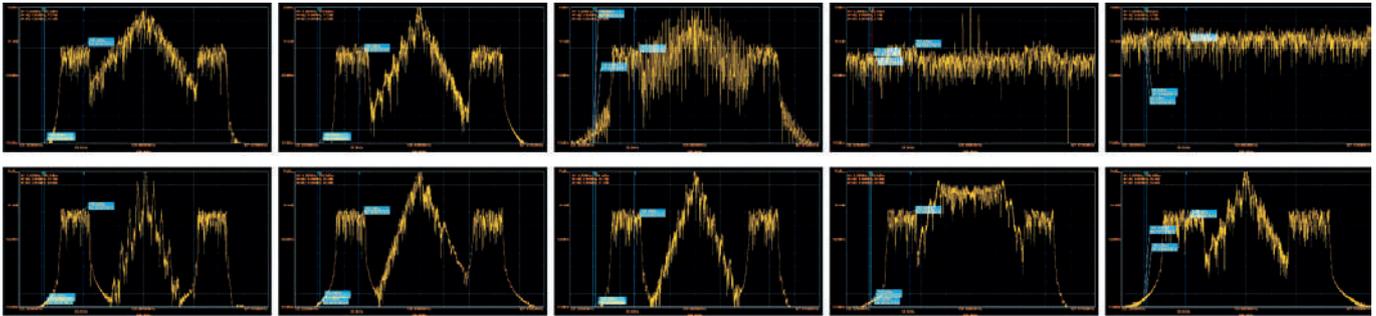
300 of Certified Vector Libraries



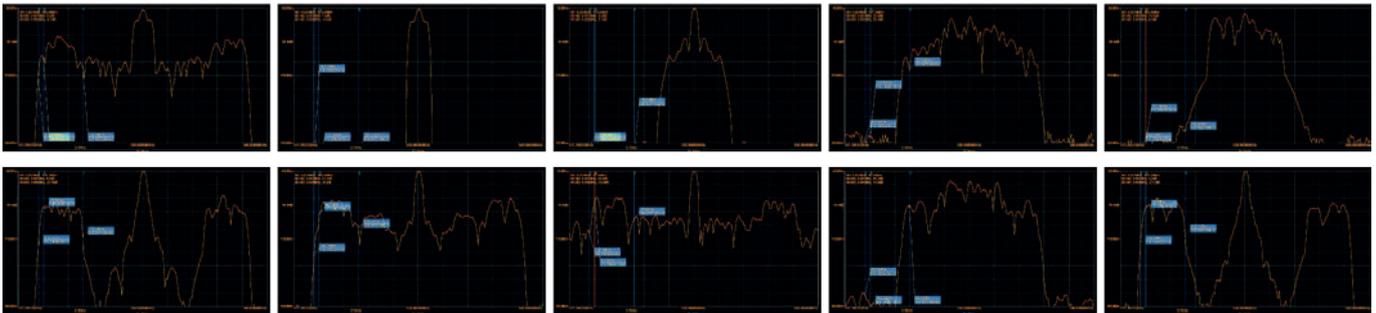
Officially certified solution
by iBiquity

300 Files - iBiquity Vector Libraries / AM 87 FM 213 / Total 270 GB

The WEIVER 2.0 player contains a full suite of test vectors or signals stored on the instruments SSD with our HD signal generator. WEIVER 2.0 player is a versatile signal source for engineers designing and developing new analog/digital AM or FM HD Radio products. WEIVER 2.0 player is designed for production & R & D testing with a simplified user interface, and includes one vector for AM, and one vector for FM HD radio.



<FM Test Vector -213 files>



<AM Test Vector -87 files>

Capture RF Signal with WEIVER 2.0
 7.5Kq/ 75W / 2.7 GHz
 Optimized Solution for Field-test

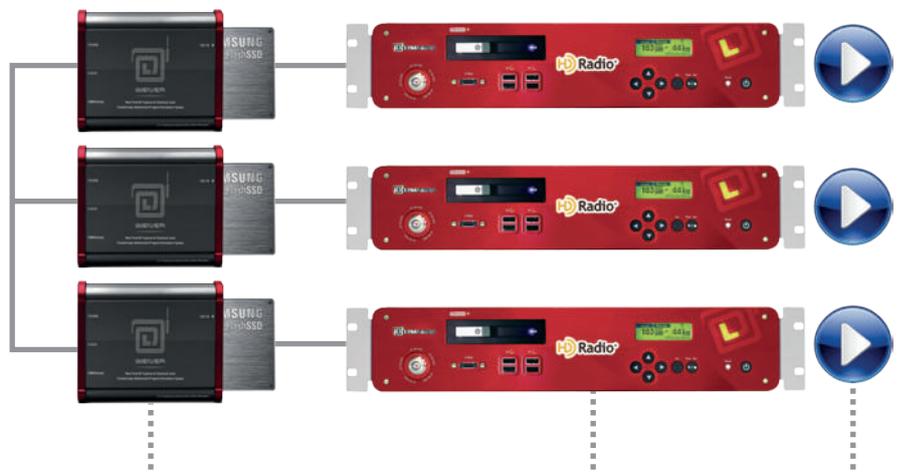
Store Data in External SSD
 and Copy
 (1TB basic / Option)

Playback RF
 in Multiple units of
 WEIVER 2.0 Player

RF Playback
 from
 0.1 MHz
 to 2.7 GHz



WEIVER2.0 Supports BaiDu Map & Google Map



Option for RF CAPTURE & PLAYBACK SYSTEM

HD Radio® Vector Signal Generator

WEIVER 2.0 / Player Generates Certified HD Radio Test Signals
Covering frequencies from 100KHz to 2.7GHz Max. 56 MHz bandwidth recording

THE WEIVER 2.0 player are HD Radio signal sources designed to play pre-recorded test vector files that replicate various HD Radio service modes and channel configurations. Every New WEIVER 2.0 HD radio signal source has a Ultra-fast SSD for test vector storage. New test vectors can be added to existing your WEIVER 2.0 and WEIVER 2.0 player. For a basic service fee, the existing WEIVER 2.0 or Player can be sent to LUMANTEK for the upgrade. WEIVER is certified by iBiquity Digital Corporation, the sole developer and licensor of HD Radio technology.

External SSD



TOTAL 176 LIBRARIES

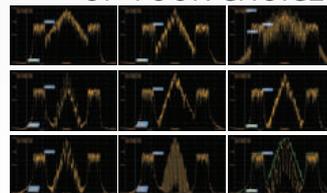
AM / FM total



HD radio vector Signal Generator comes with an official AM/FM Vector libraries by IBIQUITY

176 SPECTRUM MASKS

INDIVIDUAL SPECTRUM MASKS OF YOUR CHOICE

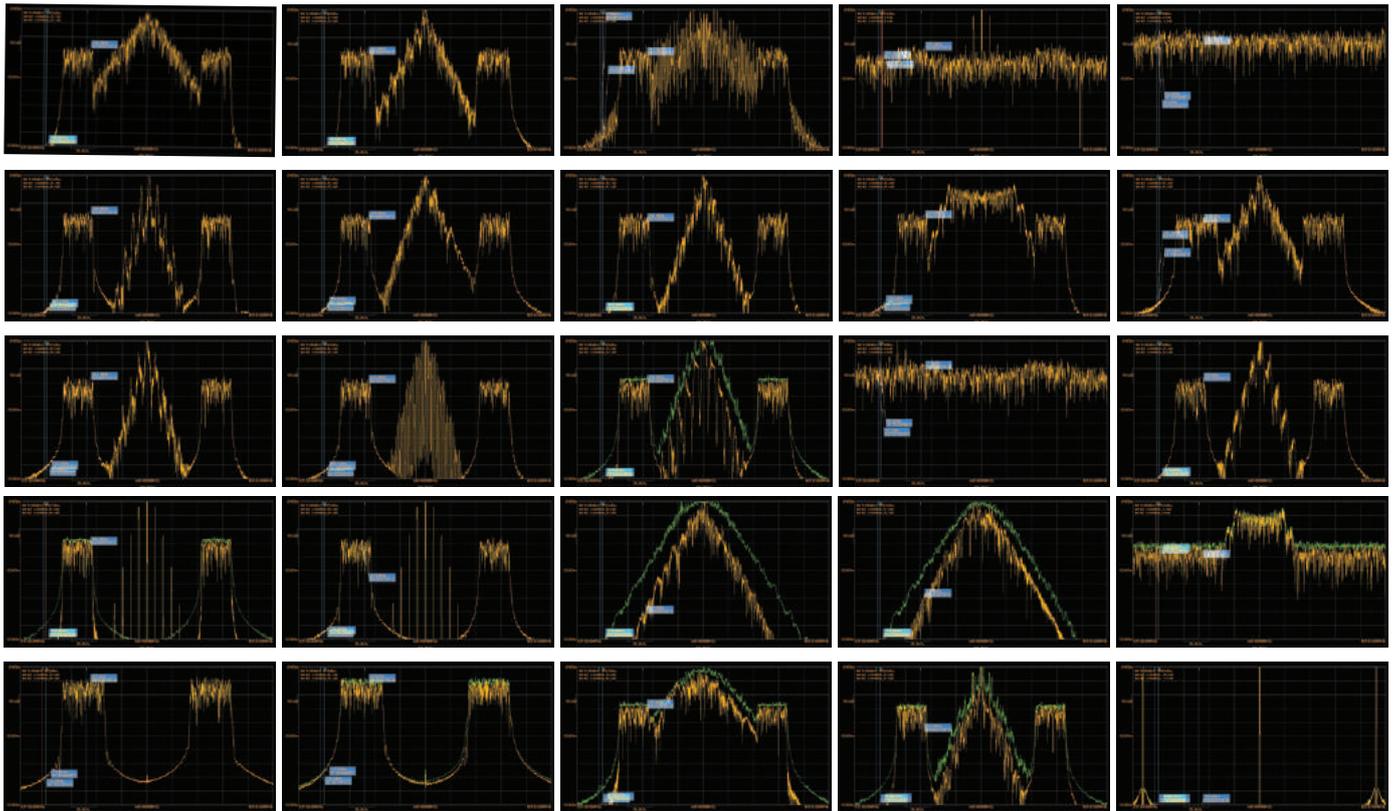


Expression of 176 Vector files in Spectrum Masks

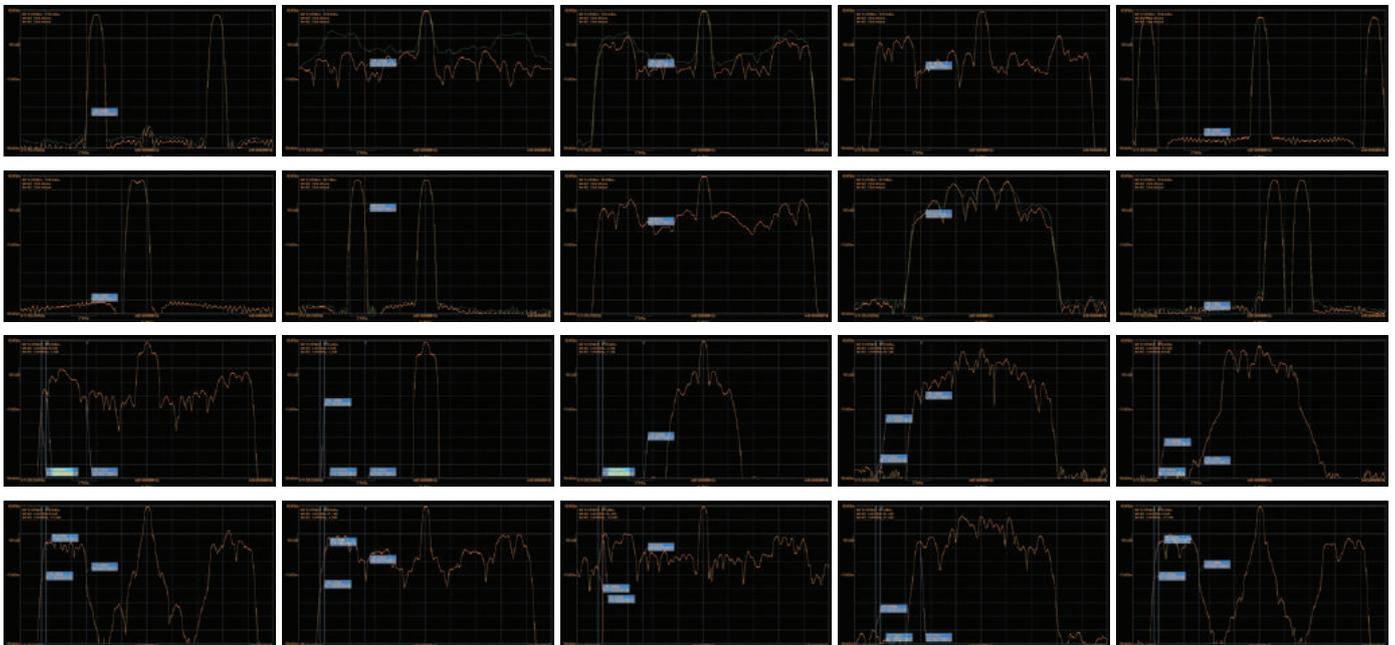
176 HD RADIO Vector Libraries / 176 Spectrum Masks

The WEIVER 2.0 player contains a full suite of test vectors or signals stored on the instruments SSD with our HD signal generator. Weiver 2.0 player is a versatile signal source for engineers designing and developing new analog/ digital AM or FM HD Radio products. WEIVER 2.0 player is designer for production & R&D testing with a simplified user interface, and includes one vector for AM, and one vector for FM HD Radio.

< FM Test vectors >



< AM Test vectors >



HD Radio Vector Signal Generator Specification

Frequency

| | |
|--------------------------|------------------|
| Frequency band | 100 KHz to 1 GHz |
| Frequency resolution | 1KHz min. |
| Freq. Stability vs. Temp | ±20 ppb max. |
| Daily Aging | ±1 ppb max. |
| Aging (PER year) | ±50 ppb max. |

Spectral Purity

| | | |
|-------------------------------|--------------|------------------------|
| Phase Noise@ 1 KHz offset | HF | ≤ -100 dBc/Hz (30 MHz) |
| | HF_Low Noise | ≤ -95 dBc/Hz (1 GHz) |
| | LF | ≤ -90 dBc/Hz (2.7 GHz) |
| Phase Noise@ 10 KHz offset | HF | ≤ -105 dBc/Hz (30 MHz) |
| | HF_Low Noise | ≤ -100 dBc/Hz (1 GHz) |
| | LF | ≤ -95 dBc/Hz (2.7 GHz) |

Spurious Responses

| | |
|--------------|----------|
| 2nd Harmonic | ≤ -50dBc |
| 3rd Harmonic | ≤ -60dBc |
| Other | ≤ -60dBc |

Environment

| | |
|-----------------------|---------------|
| Operating temperature | v0 to +50 °C |
| Relative humidity | 90% |
| Storage temperature | -20 to +70 °C |

RF Output Characteristics

| | |
|----------------------|---|
| Gain range | -30 ~ +30dB (Input Level Basis) |
| Amplitude resolution | 0.1dB step (Min.) |
| Amplitude accuracy | ±1dB |
| Power | 0dBm max.(48 to 2700 MHz) +10dBm max.(0.1 to 48 MHz) |

RF Output

| | |
|-----------------------|----------------------------------|
| RF output port | 50ohm, N type female, DC-coupled |
| Max. DC input | ±25 VDC max. |
| Max. reverse RF power | 1 W (Max.) |

| | | |
|----------------------------|---|----------------------------|
| Power | Input power | +18 VDC |
| | Power Consumption | 70 Watt |
| Adaptor spec | AC INPUT | 100-240V ~ 3-1.5A, 50-60Hz |
| | DC OUTPUT | 18V / 4.5A |
| Mechanical (WEIVER 2.0) | Dimensions : (L)406mm x (W)305mm x (H)100mm | |
| | Weight : 7.5 Kg (Approx.) | |
| WEIVER 2.0 Player | Dimensions : (L)406mm x (W)305mm x (H)100mm | |

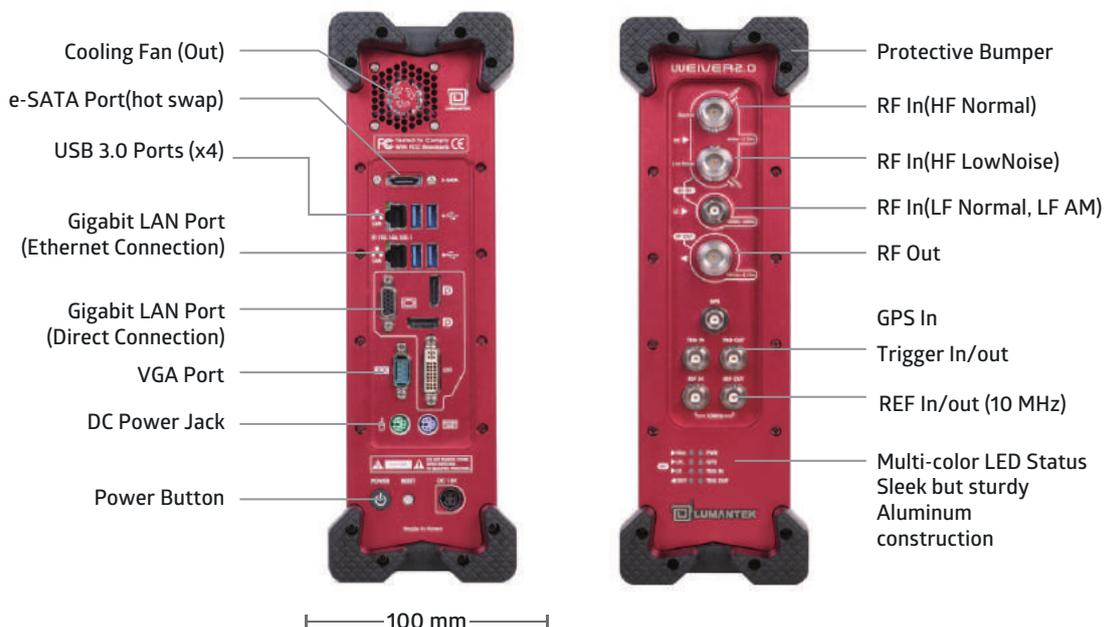
HD Radio Vector Signal Generator Platform 1 - WEIVER 2.0 Player



External SSD



HD Radio Vector Signal Generator Platform 2 - WEIVER 2.0



Side - Rear

Side - Front