



WEIVER 2.0

RF CAPTURE & PLAYBACK SYSTEM - WEIVER 2.0

Covering frequencies from 100KHz to 2.7GHz max. 56MHz bandwidth recording



1Hz step bandwidth record
Up to 56MHz(max)

FM / AM / RDS / DVB-T/T2 / DVB-S/S2 / DVB-C / DAB / DAB+ / ATSC / ATSC-MDTV / NTSC / CMMB / QAM-B / ATV / HD RADIO / DAB / DAB+ / ISDB-T / DTMB / T-DMB / CDMA / PAL / UMTS / Wifi / WiMax / PMR / GPS / Galileo / Glonass / Bluetooth / LTE

HD RADIO to FM - Hand over Testing System for AUTOMOTIVES up to 4 Units

FM Recording



HD RADIO /
DAB Recording



Up to 4 WEIVER devices can be Synchronized by an external H/W switch, the 'WEIVER Syncer'. Synchronized WEIVER devices perform a simultaneous RF Capture and Playback in nanoseconds.



Frequency
2.7 GHz



Cigar Power
75 W



Weight
7.5 Kg

SPECIFICATION : WEIVER 2.0

Capture Mode

Frequency		
Frequency Band	[HF (High Frequency) HF (High Frequency)_Low Noise] 48MHz ~ 2.7GHz	
	[LF (Low Frequency)] 0.1MHz ~ 48MHz	
Real-time Bandwidth	56 MHz max. (Arbitrary Variable BW, 1Hz step)	
Frequency Resolution	1Hz step	
RBW (Resolution bandwidth)	3 KHz, 5 KHz, 10 KHz, 20 KHz	
Warm-up time	30 minutes (typ.)	
Freq. Stability vs. Temp.	±20 ppb max.	
Aging (per day)	±1 ppb max.	
Aging (per year)	±50 ppb max.	
Spectral Purity		
Phase Noise@1 KHz offset	HF	≤ -95 dBc/Hz (1 GHz) ≤ -90 dBc/Hz (2.7 GHz)
	LF	≤ -100 dBc/Hz (30 MHz)
Phase Noise@10 KHz offset	HF	≤ -100 dBc/Hz (1 GHz) ≤ -95 dBc/Hz (2.7 GHz)
	LF	≤ -105 dBc/Hz (30 MHz)
Noise Figure		
Noise Figure(1GHz)	HF	< 7 dB (Gain : 45 dB)
	HF_Low Noise	< 3 dB (Gain 45 dB)
	LF	< 7 dB (Gain 35 dB)
Amplitude		
Input Dynamic Range (CW tone)	HF	+10 ~ -135 dBm
	HF_Low Noise	-30 ~ -139 dBm
	LF	+10 ~ -120 dBm
Input Level Resolution	0.1dB	
Input Level Accuracy	±1 dB max.	
Gain Range	HF	-15 ~ +50 dB (1 dB step)
	HF_Low Noise	+25 ~ +50 dB (1 dB step)
	LF	-20 ~ +35 dB (1 dB step)
IF Band		
ADC Resolution	16-Bit	
Sampling Rate	140 MS/s	
IF Frequency	150 MHz	
Storage		
Storage (default)	2 TB SSD	
Storage Time (BW 24 MHz)	120 minutes	
Storage Time (BW 48 MHz)	60 minutes	
Calibration	1 Year	
Operating Temperature	0 ~ +50℃	
Relative Humidity	90%	
Storage Temperature	-20 ~ +70℃	
RF Input Port		
RF Input Port (DC-coupled)	HF	50ohm, N type female
	HF_Low Noise	50ohm, N type female
	LF	50ohm, BNC type female
Max. DC Input	±25 VDC max.	

Play Mode

Frequency		
Frequency Band	0.1 ~ 2700 MHz	
Real-time Bandwidth	56MHz max. (Arbitrary variable BW, 1Hz step)	
Frequency Resolution	1Hz step	
Warm-up time	30 minutes (typ.)	
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	≤ -100 dBc/Hz (30 MHz) ≤ -95 dBc/Hz (1 GHz) ≤ -90 dBc/Hz (2.7 GHz)	
Phase Noise@10 KHz offset	≤ -105 dBc/Hz (30 MHz) ≤ -100 dBc/Hz (1 GHz) ≤ -95 dBc/Hz (2.7 GHz)	
Spurious Responses		
2nd Harmonic	≤ -50dBc	
3rd Harmonic	≤ -60dBc	
Other	≤ -60dBc	
RF Output Characteristics		
Gain Range	-30 ~ +30dB (Input level basis)	
Amplitude Resolution	0.1dB step (Min.)	
Amplitude Accuracy	±1dB	
Power	+3 dBm max.(48 ~ 2700 MHz) +10 dBm max.(0.1 ~ 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.)	
Environments		
Operating Temperature	0 ~ +50 ℃	
Relative Humidity	90%	
Storage Temperature	-20 ~ +70℃	
Physical Features		
Dimensions	406mm(W) x 305mm(H) x 100mm(D)	
Weight	7.5 Kg	
Power Consumption	75 W (max.)	