

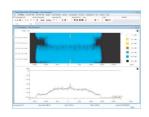
WAVECOM[®] W-Signal-Library

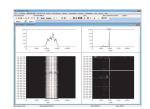
19 files; 754,020,352 bytes

C:\[Audio]\HF-MODES\MIL-STANAG\HF-ACARS HD-ACARS (New York) (3).wav HF-ACARS Island (1).mp3 HF-ACARS (Bahrein).wav HF-ACARS (Canary Island).wav HF-ACARS (Iceland).wAv HF-ACARS (Iceland).wAv HF-ACARS (New York) (1).wav HF-ACARS (New York) (2).wav HF-ACARS (New York) (3).mp3

8 files; 45,850,828 bytes

C:\[Audio] 'HF-MODES\MIL-STANAG\LINK-11 LINK-11 (1).wav LINK-11 (2).WAV LINK-11 (3).WAV LINK-11 (3).WAV LINK-11 (5).mp3 LINK-11 (5).mp3 LINK-11 (SLEW) (1).wav LINK-11 (SLEW) (2).wav LINK-11 (USE).wav







The identification of signals is one of the main objectives of signal monitoring and surveillance. Thus the W-Signal-Library collection of reference signals is a must for comparative analysis, training of operators or performance tests of equipment and software applications.



W-Signal-Library

A Collection of Reference Signals



W-Signal-Library Features

4	li F	IF-MODES
	D 🚺	FSK
		Graphik Modes & CW
		MFSK
		MIL-STANAG
		OFDM
	D 🚺	PSK
	۵ 🚺	RADAR-JAMMER-VOICE
	۵ 🚺	SOFTWARE DEFINED RADIO
		TESTFILES
]] ι	ISTING
\triangleright		IODEM's FAX-G3
]] N	lew Audio Files
\triangleright	🐌 s	ATELLITE
4]] V	'HF-UHF DIR
		AIS
		APCO-25
		DCS-SELCAL
		DMR
		DP-6000
		dPMR
		DRM
		D-STAR
		ERMES
		FLEX
		GOLAY-GSC
		GSM
		MOBITEX-8000
		MODACOM
		NXDN
		PACKET-9600
		POCSAG
		SENAO
		TETRA
		TETRAPOL
		VDL-M2
	_	VHF-UHF DIR VARIOUS
4		'HF-UHF SUB
	_	ACARS
		ATIS
	_	BIIS
		FMS-BOS
		GMDSS-DSC VHF
		MOBITEX-1200
	-	MPT-1327
	_	NMT-450
	-	NMT-900
		NWR-SAME
		PACKET-1200
	_	SELCAL ANALOG
	-	VHF-UHF SUB VARIOUS
		X.25
		ZVEI-VDEW

- Hundreds of source and channel encoding formats
- Numerous modulation formats
- All frequency ranges from VLF to EHF represented
- Size of recorded signals about 40 GB
- WAV format

GW OFDM (26 - CARRIER).WAV GW OFDM (28 - CARRIER).WAV GW OFDM (3).wav GW OFDM (3).wav GW OFDM (4).wav GW OFDM (5).wav GW OFDM (6).WAV GW OFDM (6).WAV GW OFDM (7).wav GW OFDM (Error free) (1).wav GW OFDM (252,22,22,22,24, Pilot Tone) (1).wav OFDM 112_22.2 (22.2 Bd, Pilot Tone) (2).wav

W-SIGNAL-LIBRARY

The signals of this unique collection have been recorded from real transmissions across the entire radio spectrum from VLF to EHF, across all radio services, fixed, maritime mobile, land mobile, civilian and military and including all types of modulation formats, source and channel encodings, encrypted and clear text.

In addition, W-Signal-Library contains a comprehensive collection of fax and modem communication signals as well

as selective call signals.

The signals may be played back using the built-in media player of the Wavecom suite of decoders, allowing instant classification and analysis or any other analysis tool or playback application to process the WAV files.

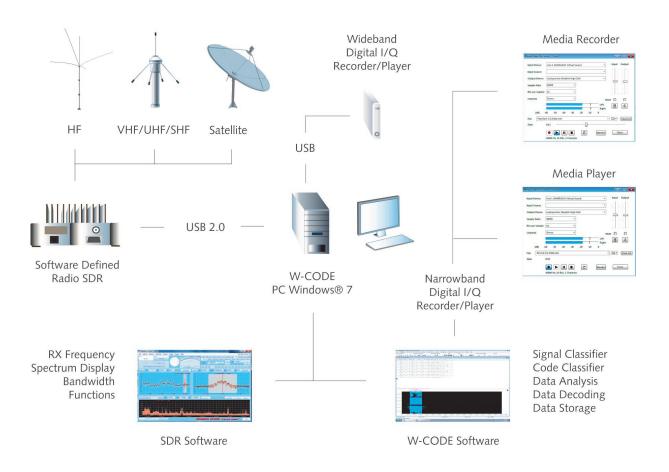
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The current size of the library is approximately 40 GB and it is updated regularly. The signal library is available on a 64 GB USB-Stick. W-Signal-Library

A Collection of Reference Signals



Example setup for digital I/Q recording using W-CODE and a SDR



In-phase and quadrature (I/Q) signal

Advanced modulation formats require that both the phase and amplitude of the demodulated signal is analyzed. The standard analysis method and also the less suitable method interprets a signal in polar coordinates, i.e in both magnitude and angle. However, it is much easier to analyze a signal by decomposing it in its in-phase (sine) and quadrature (cosine)components. Since these signals are orthogonal the decomposition effectively creates two independent signals occupying the same spectral space. The two signals may then be investigated in just magnitude or in both magnitude and angle.



A Collection of Reference Signals



Since more than thirty years Wavecom Elektronik AG has developed, manufactured and distributed high quality devices and software for the decoding and retrieval of information from wireless data communication in all frequency bands. The nature of the data communication may be arbitrary, but commonly contains text, images and voice. The company is internationally established within this industry and maintains a longstanding, world-wide network of distributors and business partners.

Product Information			
Products	http://www.wavecom.ch/product-summary.php		
Datasheets	http://www.wavecom.ch/brochures.php		
Specifications	http://www.wavecom.ch/product-specifications.php		
Documentation	http://www.wavecom.ch/manuals.php		
Online help	http://www.wavecom.ch/content/ext/DecoderOnlineHelp/default.htm		
Software warranty	One year free releases and bug fixes, update by DVD		
Hardware warranty	Two years hardware warranty		
Prices	http://www.wavecom.ch/contact-us.php		

System Requirements and Ordering Information

	Minimum	Recommended	
CPU	P4 Dual-Core 2.4 GHz	Core i5 or Core i7 2.8 GHz	
Memory	2 GB RAM	4 - 8 GB RAM	
OS	Windows XP	Windows 7 32-bit or Windows 7 64-bit	
Product Code	Description		
WSIGLIB	More than 3,500 reference signal recordings. Delivered on a 64 GB USB flash stick		

Distributors and Regional Contacts

You will find a list of distributors and regional contacts at <u>http://www.wavecom.ch/distributors.php</u>



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