R&S®SFU-K357
HD Radio™ Waveforms

Specifications

The scope of HD Radio™ waveform [1] applications depends on the memory of the R&S®SFx. The provision and use of the HD Radio™ [2] waveforms require a license agreement with iBiquity Digital Corporation.

HD Radio™ waveforms	I/Q sequences in line with iBiquity	certified iBiquity
	release	V01.30
		see description of option for details
ARB memory (R&S®SFx-B3)	recommended waveform memory	2 Gbyte (512 Msample) [3]
ARB clock rate	AM waveforms	46.511719 ksps
	FM waveforms	744.1875 ksps
Transmission	operating modes	FM
		FM and digital radio
		AM
		AM mono and digital radio
Signal set	sequence content	depending on loaded stream
	sequences	according to iBiquity test vectors
	content	analog audio, digital audio, data
	length	depending on loaded test vector
	minimum length	2.1 Mbyte
	maximum length	2 Gbyte
	bandwidth	depending on operating mode

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[1] HD Radio™ waveform library release V01.30 includes test vectors up to 2 Gbyte.

[2] HD Radio™ is a proprietary trademark of iBiquity Digital Corp.

[3] Memory module with 2 Gbyte and 512 Msample and R&S®SFU-U35 upgrade kit available.

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R&S®SFU	certification	full certification by iBiquity [4]
	test vector support [5] with R&S®SFU-B3	
	256 Mbyte	limited support
	512 Mbyte	limited support
	1024 Mbyte	limited support
	2 Gbyte	full support
R&S®SFE	certification	full certification by iBiquity
	test vector support with R&S®SFE-B3	
	1024 Mbyte	limited support
	2 Gbyte	full support [5]
R&S®SFE100	certification	full certification by iBiquity
	test vector support with R&S®SFE100-B3	
	1024 Mbyte	limited support
	2 Gbyte	full support [5]

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[4] Certification with HD Radio™ waveform library release V01.30 in preparation; preliminary data.

[5] Test vector support depends on installed R&S®SFU firmware and hardware.