

R&S®SFU-K351

T-DMB/DAB Waveforms

Specifications

The scope of T-DMB/DAB waveform ¹ applications depends on the R&S®SFx-B3 ARB memory of the R&S®SFx.

T-DMB waveforms	I/Q sequences in line with T-DMB parameter sets	see description of option for details
	release	V01.00
ARB memory (R&S®SFx-B3)	minimum required waveform memory	256 Mbyte (64 Msample)
	recommended waveform memory	1 Gbyte (256 Msample) ²
ARB clock rate	1.536 MHz bandwidth	4.096 Msample/s
Transmission	channel bandwidth	1.536 MHz
	constellation	QPSK
	transmission mode	mode I, mode II
Signal set	sequence content	depending on loaded stream
	services	T-DMB with video and audio, DAB with audio
	number of services	two services
	size	240 Mbyte
	T-DMB encoding	
	video	H.264
	audio	AAC
	video	
	sequence	diver sequence
	resolution	CIF (352 × 288), QCIF (176 × 144), QVGA (320 × 240)
	audio	
	sequence	music
	DAB encoding	
	audio	MUSICAM (MP2)
	audio	
	sequence	1 kHz sine wave
	level	0 dBFS+
	sampling rate	48 kHz
	mode	stereo
	data rate	128 kbps
length	15.36 s	
Waveform support	R&S®SFU	full support of all T-DMB/DAB waveforms
	R&S®SFE	full support of all T-DMB/DAB waveforms
	R&S®SFE100	full support of all T-DMB/DAB waveforms

¹ Further waveforms in preparation.

² R&S®SFU-U35 upgrade kit, 256 Msample (1 Gbyte).



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