

R&S[®] SMx-K354

T-DMB/DAB Streams

Specifications

The T-DMB/DAB streams are ETI compliant test data for use with the R&S[®]SMx-K53 option.

T-DMB/DAB streams	sequences in line with ETS 300 799 R&S [®] SMx-K53 (DAB/T-DMB)	see description of option for details required for playback	
Transmission	transmission mode	depending on loaded stream	
	stream format	ETI (NI, G.703)	
Signal set	streams	DAB, T-DMB and DAB	
	number of streams	21 DAB streams and 288 T-DMB/DAB streams	
	content	depending on loaded stream	
	playback	endless	
	video and audio	not seamless	
	DAB		
	service	DAB service	
	content	tones, audio, audio and data, CISPR tests	
	DAB mode	1	
	audio sampling rate	48 kHz	
	tones		
	subchannel	subchannel 1	
	sequence	100 Hz, 1 kHz, 10 kHz sine, 16 tones	
	mode	stereo	
	convolutional coding	UEP	
	data rate	128 kbps	
	duration	12 s to 59 s	
	audio		
	subchannel	subchannel 1	
	sequence	music (Bach), live scenario (applause and park scene), synthetic audio, frequency sweep	
	mode	stereo	
	convolutional coding	UEP	
	data rate	128 kbps	
	duration	7 s to 49 s	
	audio and data		
	subchannel	subchannels 1 to 9	
	sequence	audio and data	
audio	1 kHz, full scale to 0 dB		
subchannel	subchannel 1		

Signal set (cont.)	audio and data (cont.)	
	mode	stereo
	data rate	192 kbps
	mode	stereo
	convolutional coding	UEP
	data	All 0
	subchannel	subchannels 2 to 9
	data rate	8/16/32/64/96/128/384 kbps
	convolutional coding	EEP
	duration	120 s
	CISPR	
	test scenario	in line with CISPR 13, CISPR 14
	subchannel	subchannel 1, subchannels 1 to 3
	DAB mode	1
	protection level	3, 3-A
	sequence	1 kHz (6 dB, digital zero, 0 dB), 1 kHz (full scale to 0 dB), 1 kHz (6 dB), 1 kHz (silent to digital zero)
	mode	stereo
	convolutional coding	UEP
	data rate	128 kbps, 192 kbps
	duration	120 s
	T-DMB/DAB ¹	
	service	one T-DMB service and one DAB service
	subchannel	subchannel 1
	DAB mode	1, 2, 3, 4
	protection level	1-A, 1-B, 2-A, 2-B, 3-A, 3-B, 4-A, 4-B
	total data rate	256 kbps to 1152 kbps
	T-DMB encoding	
	video	ISO/IEC 14496 (MPEG-4) Part 10 AVC Baseline Profile Level 1.3
	subchannel	subchannel 1
	content	diver sequence
	frame rate	25 frames/s, 30 frames/s
	video resolution	QVGA, CIF
	data rate	136/151/240/255/256/268/320/332/360/ 358/384/400/410/460/462/527/540/592/ 620/877/1023 kbps
	DAB encoding	
	audio	ISO/IEC 14496 (MPEG-4) Part 3 BSAC Baseline Profile Level 1.3, MPEG-4 HE-AAC v1, MPEG-4 HE-AAC v2
	content	music of diver sequence
	subchannel	subchannel 1
	level	0 dB
	mode	stereo
	data rate	56 kbps

¹ Audio Specific Config (ASC) data flag contains sampling rate value of 96000 Hz.

Ordering information

Designation	Type	Order No.
T-DMB/DAB Streams	R&S [®] SMBV-K354	1415.8783.02
T-DMB/DAB Streams	R&S [®] SMU-K354	1408.8717.02
T-DMB/DAB Streams	R&S [®] SMJ-K354	1409.3583.02

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ISO 9001

Certified Environmental System
ISO 14001

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