

R&S® SFU-K106

ISDB-Tmm Coder

Specifications

Definitions

(see related main data sheet)

ISDB-Tmm (R&S® SFU-K106 option)

ISDB-Tmm		in line with ARIB STD-B46
Modulation	mode	OFDM
	bandwidth	14.143 MHz at 6 MHz reference channel
	number of segments	33
	number of super segments	3, 4, 5
	types of super segments	A, B
	MER	> 40 dB
	modulation frequency response	< 0.2 dB
	shoulder attenuation	> 48 dB
Coding	ISDB-T mode	mode 1, mode 2, mode 3
	number of layers (type A coder)	1 to 3
	constellation	DQPSK, QPSK, 16QAM, 64QAM
	code rate	1/2, 2/3, 3/4, 5/6, 7/8
	guard interval	1/4, 1/8, 1/16, 1/32
	time interleaver	
	ISDB-T mode 1	0, 4, 8, 16, 32 ¹
	ISDB-T mode 2	0, 2, 4, 8, 16 ¹
ISDB-T mode 3	0, 1, 2, 4, 8 ¹	
Special functions	scrambler, Reed-Solomon encoder, byte interleaver, bit interleaver, frequency interleaver	can be switched off
	TX parameter switching indicator, TMCC next	static settings for test
Test signals		TS test packet (see "Internal test signals")

¹ Type B coder only.

Ordering information

Designation	Type	Order No.
ISDB-Tmm Coder	R&S®SFU-K106	2115.3127.02

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