

R&S®SFU-K8

DVB-S2 Coder

Specifications

Definitions

(see associated main data sheet)

DVB-S2		in line with EN 302307, broadcast services
	support	by R&S®SFU-B1, R&S®SFU-B10 and R&S®SFU-B15 R&S®SFU firmware version 2.50 or later
Modulation	mode	QPSK, 8PSK, 16APSK, 32APSK
	symbol rate	
	QPSK	1 Msps to 47 Msps (53 Msps overrange) ¹
	QPSK	1 Msps to 40 Msps (45 Msps overrange)
	8PSK	1 Msps to 40 Msps (45 Msps overrange)
	16APSK	2 Msps to 39 Msps
	32APSK	2 Msps to 32 Msps
	pulse filtering	root raised cosine roll-off, $\alpha = 0.20$, variable roll-off (0.15, 0.20, 0.25, 0.35)
	MER	38 dB (20 Msps)
Coding	modulation frequency response	± 0.25 dB
	shoulder attenuation	45 dB
	code rate	
	QPSK	1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
Special function	8PSK	3/5, 2/3, 3/4, 5/6, 8/9, 9/10
	16APSK	2/3, 3/4, 4/5, 5/6, 8/9, 9/10
	32APSK	3/4, 4/5, 5/6, 8/9, 9/10
	FEC frame	normal, 64800 bit; short, 16200 bit
	pilot insertion	can be switched off
Test signals	error insertion	after CRC-8, BCH or LDPC
		TS test packet (see "Internal test signals")

Ordering information

Designation	Type	Order No.
DVB-S2 Coder	R&S®SFU-K8	2110.7399.02

¹ Requires R&S®SFU-B15 and R&S®SFU firmware version 2.50 or later.

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ISO 9001

Certified Environmental System
ISO 14001

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Subject to change

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