

R&S® SFU-K358

CMMB Waveforms

Specifications

The scope of CMMB waveform ¹ applications depends on the R&S®SFx-B3 ARB memory of the R&S®SFx.

CMMB waveforms	I/Q sequences in line with CMMB parameter sets	see description of option for details
ARB memory (R&S®SFx-B3)	recommended waveform memory	512 Mbyte (256 Msample) ²
ARB clock rate	8 MHz bandwidth	12.5 Msps
Transmission	channel bandwidth	8 MHz
	constellation	
	CLCH	BPSK
	ESG	QPSK
	SLCH	QPSK, 16QAM (depending on loaded waveform)
	FFT mode	4k
	LDPC code rate	1/2
	Reed-Solomon	
	0	(240, 240)
	1	(240, 224)
	2	(240, 192)
	byte interleaver	1, 2
	scrambling mode	0
	Signal set	sequence content
services		CLCH, ESG, video and audio
encoding		
video		H.264
audio		AAC
timeslot		
CLCH		slot 0
ESG		slot 1, slot 2
number of services		up to 9 services (1 CLCH, 1 ESG, 7 video and audio)
size		256 Mbyte, 512 Mbyte
data rate		3.939 Mbps, 3.423 Mbps
content		digital video and audio
video content		China sequence
length		5.368 s, 10.737 s (depending on loaded waveform size)
Waveform support	R&S®SFU	full support of all CMMB waveforms
	R&S®SFE	full support of all CMMB waveforms
	R&S®SFE100	full support of all CMMB waveforms

¹ Further waveforms in preparation.

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



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