

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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