

# R&S® SFU-K228

## Transport Streams for EMC Tests

### Specifications

|                                 |  |  |
|---------------------------------|--|--|
| Transport streams for EMC tests | in line with CISPR 20/EN 55020 and CISPR 13/EN 55013 | see description of options for details |
|                                 | required options                                     | R&S®SFx-K22                            |
|                                 | video  | MPEG-2, H.264, ATSC                    |
| MPEG-2 test signals             | number of transport streams                          | 3                                      |
|                                 | services per stream                                  | 2                                      |
|                                 | format   | 576i, 1080i                            |
|                                 | frame rate   | 25 Hz                                  |
|                                 | video content  | moving colorbar test pattern           |
|                                 | aspect ratio   | 4:3, 16:9                              |
|                                 | video encoding                                       | MPEG-2 MP@ML, MPEG-2 HP@HL             |
|                                 | audio content  | 1 kHz sinewave, -6 dBFS, silence       |
|                                 | audio encoding                                       | MPEG-1 layer 2                         |
| H.264 test signals              | number of transport streams                          | 3                                      |
|                                 | services per stream                                  | 2                                      |
|                                 | format   | 576i, 1080i                            |
|                                 | frame rate   | 25 Hz                                  |
|                                 | video content  | moving colorbar test pattern           |
|                                 | aspect ratio   | 4:3, 16:9                              |
|                                 | video encoding                                       | AVC ISO/IEC 14496-10                   |
|                                 | audio content  | 1 kHz sinewave, -6 dBFS, silence       |
|                                 | audio encoding                                       | MPEG-1 layer 2                         |
| ATSC test signals               | number of transport streams                          | 3                                      |
|                                 | services per stream                                  | 2                                      |
|                                 | format   | 480i, 1080i                            |
|                                 | frame rate   | 29.97 Hz                               |
|                                 | video content  | moving colorbar test pattern           |
|                                 | aspect ratio   | 4:3, 16:9                              |
|                                 | video encoding                                       | MPEG-2 MP@ML, MPEG-2 HP@HL             |
|                                 | audio content  | 1 kHz sinewave, -6 dBFS, silence       |
|                                 | audio encoding                                       | Dolby AC-3                             |

### Ordering information

| Designation                     | Type         | Order No.    |
|---------------------------------|--------------|--------------|
| Transport Streams for EMC Tests | R&S®SFU-K228 | 2115.2520.02 |

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