The T-DMB/DAB streams are ETI compliant test data for use with the R&S® SMx-K53 option.

<table>
<thead>
<tr>
<th>T-DMB/DAB streams</th>
<th>sequences in line with ETS 300 799</th>
<th>see description of option for details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission</td>
<td>transmission mode</td>
<td>depending on loaded stream</td>
</tr>
<tr>
<td>stream format</td>
<td>ETI (Nl. G.703)</td>
<td></td>
</tr>
<tr>
<td>Signal set</td>
<td>streams</td>
<td>DAB, T-DMB and DAB</td>
</tr>
<tr>
<td>number of streams</td>
<td>21 DAB streams and 288 T-DMB/DAB streams</td>
<td></td>
</tr>
<tr>
<td>content</td>
<td>depending on loaded stream</td>
<td></td>
</tr>
<tr>
<td>playback</td>
<td>endless</td>
<td></td>
</tr>
<tr>
<td>video and audio</td>
<td>not seamless</td>
<td></td>
</tr>
</tbody>
</table>

**DAB**
- service: DAB service
- content: tones, audio, audio and data, CISPR tests
- DAB mode: 1
- audio sampling rate: 48 kHz
- tones
  - subchannel: subchannel 1
  - sequence: 100 Hz, 1 kHz, 10 kHz sine, 16 tones
  - mode: stereo
  - convolutional coding: UEP
  - data rate: 128 kbps
  - duration: 12 s to 59 s
- audio
  - subchannel: subchannel 1
  - sequence: music (Bach), live scenario (applause and park scene), synthetic audio, frequency sweep
  - mode: stereo
  - convolutional coding: UEP
  - data rate: 128 kbps
  - duration: 7 s to 49 s
- audio and data
  - subchannel: subchannels 1 to 9
  - sequence: audio and data
  - audio: 1 kHz, full scale to 0 dB
  - subchannel: subchannel 1
### Signal set (cont.)

<table>
<thead>
<tr>
<th>Audio and data (cont.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>mode                   stereo</td>
</tr>
<tr>
<td>data rate              192 kbps</td>
</tr>
<tr>
<td>mode                   stereo</td>
</tr>
<tr>
<td>convolutional coding   UEP</td>
</tr>
<tr>
<td>data                   All 0</td>
</tr>
<tr>
<td>subchannel             subchannels 2 to 9</td>
</tr>
<tr>
<td>data rate              8/16/32/64/96/128/384 kbps</td>
</tr>
<tr>
<td>convolutional coding   EEP</td>
</tr>
<tr>
<td>duration               120 s</td>
</tr>
</tbody>
</table>

### CISPR

- **Test scenario**: in line with CISPR 13, CISPR 14
- **Subchannel**: subchannel 1, subchannels 1 to 3
- **DAB mode**: 1
- **Protection level**: 3, 3-A
- **Sequence**: 1 kHz (6 dB, digital zero, 0 dB), 1 kHz (full scale to 0 dB), 1 kHz (6 dB), 1 kHz (silent to digital zero)
- **Mode**: stereo
- **Convolutional coding**: UEP
- **Data rate**: 128 kbps, 192 kbps
- **Duration**: 120 s

### T-DMB/DAB

- **Service**: one T-DMB service and one DAB service
- **Subchannel**: subchannel 1
- **DAB mode**: 1, 2, 3, 4
- **Protection level**: 1-A, 1-B, 2-A, 2-B, 3-A, 3-B, 4-A, 4-B
- **Total data rate**: 256 kbps to 1152 kbps

### T-DMB Encoding

- **Video**: ISO/IEC 14496 (MPEG-4) Part 10 AVC Baseline Profile Level 1.3
- **Subchannel**: subchannel 1
- **Content**: diver sequence
- **Frame rate**: 25 frames/s, 30 frames/s
- **Video resolution**: QVGA, CIF

### DAB Encoding

- **Audio**: ISO/IEC 14496 (MPEG-4) Part 3 BSAC Baseline Profile Level 1.3, MPEG-4 HE-AAC v1, MPEG-4 HE-AAC v2
- **Content**: music of diver sequence
- **Subchannel**: subchannel 1
- **Level**: 0 dB
- **Mode**: stereo
- **Data rate**: 56 kbps

---

1 Audio Specific Config (ASC) data flag contains sampling rate value of 96000 Hz.
## Ordering information

<table>
<thead>
<tr>
<th>Designation</th>
<th>Type</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-DMB/DAB Streams</td>
<td>R&amp;S®SMBV-K354</td>
<td>1415.8783.02</td>
</tr>
<tr>
<td>T-DMB/DAB Streams</td>
<td>R&amp;S®SMU-K354</td>
<td>1408.8717.02</td>
</tr>
<tr>
<td>T-DMB/DAB Streams</td>
<td>R&amp;S®SMJ-K354</td>
<td>1409.3583.02</td>
</tr>
</tbody>
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