

Measurement Group (PSQA)

Scopemon is configured via parameters. This reference lists all available parameters, default values, allowed values, and examples for PSQA configuration.

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1. qoe_psqa_codec_list

The audio codec for VoIP listening mode.

- Values:
 - `0` PCM - PCM codec is used
 - `1` GSM - GSM codec is used
- Default: `0`

Example

```
[Measurement]  
qoe_psqa_codec_list=1
```

2. qoe_psqa_fec_conv

Forward error correction for VoIP conversational mode.

- Values:
 - `0` Off - FEC is off
 - `10` Low - FEC is low
 - `11` High - FEC is high
- Default: `0`

Example

```
[Measurement]  
qoe_psqa_fec_conv=0
```

3. qoe_psqa_fec_list

Forward error correction offset for VoIP listening mode.

- Values:
 - `0` Off - FEC is off
 - `1` FEC 1 - FEC offset = 1.0
 - `2` FEC 2 - FEC offset = 2.0
 - `3` FEC 3 - FEC offset = 3.0
- Default: `0`

Example

```
[Measurement]  
qoe_psqa_fec_list=2
```

4. qoe_psqa_mode

The neural network model of PSQA.

- Values:
 - [1](#) VoIP listening - PSQA is used for VoIP in listening mode
 - [2](#) VoIP conversational - PSQA is used for VoIP in conversational mode
 - [3](#) Video AV - Video in streaming audiovisual mode
 - [4](#) Video AV MLP - Video in streaming audiovisual mode (MPL)
- Default: [1](#)

Example

```
[Measurement]  
qoe_psqa_mode=1
```

5. qoe_psqa_pi

Packetization interval for VoIP listening mode.

- Values:
 - [0](#) 20 ms - Packetization interval is 20 ms
 - [1](#) 40 ms - Packetization interval is 40 ms
 - [2](#) 80 ms - Packetization interval is 80 ms
- Default: [0](#)

Example

```
[Measurement]  
qoe_psqa_pi=2
```

6. qoe_psqa_speex_rate

Speex codec data rate for VoIP conversational mode.

- Values:
 - [10](#) 2.4 - Speex rate: 2.4 kbit/s
 - [11](#) 4.0 - Speex rate: 4.0 kbit/s
 - [12](#) 6.0 - Speex rate: 6.0 kbit/s
 - [13](#) 8.0 - Speex rate: 8.0 kbit/s
 - [14](#) 11.2 - Speex rate: 11.2 kbit/s
 - [15](#) 14.2 - Speex rate: 14.2 kbit/s
 - [16](#) 18.4 - Speex rate: 18.4 kbit/s
 - [17](#) 24.8 - Speex rate: 24.8 kbit/s
- Default: [10](#)

Example

```
[Measurement]  
qoe_psqa_codec_conv=11
```

7. qoe_psqa_video_resolution

The resolution of the video content.

- Values:
 - **0** 480p - Video resolution is 480p
 - **1** 720p - Video resolution is 720p
 - **2** 1080p - Video resolution is 1080p
- Default: **0**

Example

```
[Measurement]  
qoe_psqa_video_resolution=1
```

8. qoe_psqa_video_motion

The amount of motion in the video content.

- Values:
 - **0** Low - Low motion (e.g., news)
 - **1** Moderate - Moderate motion (e.g., typical TV shows)
 - **2** High - High motion (e.g., sports)
- Default: **0**

Example

```
[Measurement]  
qoe_psqa_video_motion=1
```

9. qoe_psqa_video_ec

The error concealment mode of the video content (valid only for the Video AV MLP mode).

- Values:
 - **0** Off - Error concealment is off
 - **1** On - Error concealment is on
- Default: **0**

Example

```
[Measurement]  
qoe_psq_video_ec=1
```

10. qoe_psq_video_cmq

Calculated movement quantity of the video content (valid only for the Video AV MLP mode).

- Unit: `percentage`
- Precision: `float`
- Minimum: `0.0`
- Maximum: `100.0`
- Default: `0.0`

Example

```
[Measurement]  
qoe_psq_video_cmq=1.15
```

11. use_qoe_psq

Determines if PSQA quality model calculations are performed. When false, PSQA results are not available in results.

- Values:
 - `true` - PSQA quality model is calculated
 - `false` - PSQA quality model is not calculated
- Default: `false`

Example

```
[Measurement]  
use_qoe_psq=true
```