

# 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_psq_a_codec_conv=11
```

## 7. qoe\_psq\_a\_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_psq_a_video_resolution=1
```

## 8. qoe\_psq\_a\_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_psq_a_video_motion=1
```

## 9. qoe\_psq\_a\_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
```