Maxim Integrated MAX2175 RF to bits tuner driver

The MAX2175 driver implements the following driver-specific controls:

V4L2_CID_MAX2175_I2S_ENABLE

Enable/Disable I2S output of the tuner. This is a private control that can be accessed only using the subdev interface. Refer to Documentation/driver-api/media/v4l2-controls.rst for more details.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\drivers\[linux-master][Documentation][userspace-api][media][drivers]max2175.rst, line 14)

Unknown directive type "flat-table".

```
.. flat-table::
    :header-rows:  0
    :stub-columns: 0
    :widths:       1 4

    * - ``(0)``
      - I2S output is disabled.
    * - ``(1)``
      - I2S output is enabled.
```

V4L2_CID_MAX2175_HSLS

The high-side/low-side (HSLS) control of the tuner for a given band.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\drivers\[linux-master][Documentation][userspace-api][media][drivers]max2175.rst, line 28)

Unknown directive type "flat-table".

```
.. flat-table::
    :header-rows:  0
    :stub-columns: 0
    :widths:       1 4

    * - ``(0)``
      - The LO frequency position is below the desired frequency.
    * - ``(1)``
      - The LO frequency position is above the desired frequency.
```

V4L2_CID_MAX2175_RX_MODE (menu)

The Rx mode controls a number of preset parameters of the tuner like sample clock (sck), sampling rate etc. These multiple settings are provided under one single label called Rx mode in the datasheet. The list below shows the supported modes with a brief description.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\userspace-api\media\drivers\[linux-master][Documentation][userspace-api][media][drivers]max2175.rst, line 45)

Unknown directive type "flat-table".

```
.. flat-table::
    :header-rows:  0
    :stub-columns: 0
    :widths:       1 4

    * - ``"Europe modes"``
    * - ``"FM 1.2" (0)``
      - This configures FM band with a sample rate of 0.512 million
        samples/sec with a 10.24 MHz sck.
    * - ``"DAB 1.2" (1)``
      - This configures VHF band with a sample rate of 2.048 million
```

```
    samples/sec with a 32.768 MHz sck.

* - ``"North America modes"``
* - ``"FM 1.0" (0)``
  - This configures FM band with a sample rate of 0.7441875 million
    samples/sec with a 14.88375 MHz sck.
* - ``"DAB 1.2" (1)``
  - This configures FM band with a sample rate of 0.372 million
    samples/sec with a 7.441875 MHz sck.
```