

1、修改增加对应tuner的配置。

1.

1.

X:\projects\TCL2861\kernel\android\nougat\device\realtek\frameworks\configs\config.mk

1.

```
1. @@ -142,6 +142,8 @@ endif
2. TP0_FE := DTV_FE_NONE
3. ifeq ("$(CONFIG_MCFG_TP0_DTV_FE_REALTEK_TDA18275A_ALL)", "y")
4.     TP0_FE = DTV_FE_REALTEK_TDA18275A_ALL
5. +else ifeq ("$(CONFIG_MCFG_TP0_DTV_FE_REALTEK_SI2151_ALL)", "y")
6. +     TP0_FE = DTV_FE_REALTEK_SI2151_ALL
7.     else ifeq ("$(CONFIG_MCFG_TP0_DTV_FE_NONE)", "y")
8.         TP0_FE = DTV_FE_NONE
9.     endif
10. @@ -169,6 +171,8 @@ endif
```

11.

AFEIF_RTKATV_TUNER0 := AFEIF_RTKATV_TUNER_NXP_TDA1827

config_patch.diff

2017-03-30 20:56:40, 4.10 KB

native_patch.diff

2017-03-30 20:56:40, 4.04 KB

config_patch_2.diff

2017-03-30 20:56:46, 4.04 KB

12.

native_patch_2.diff

2017-03-30 20:56:46, 4.04 KB

5A

```
12. ifeq ("$(CONFIG_MCFG_AFEIF_RTKATV_TUNER_NXP_TDA18275A)", "y")
13.     AFEIF_RTKATV_TUNER0 = AFEIF_RTKATV_TUNER_NXP_TDA18275A
14. +else ifeq ("$(CONFIG_MCFG_AFEIF_RTKATV_TUNER_SILICON_SI2151)", "y")
15. +     AFEIF_RTKATV_TUNER0 = AFEIF_RTKATV_TUNER_SILICON_SI2151
16. endif
```

2、

1.

X:\projects\TCL2861\kernel\android\nougat\device\realtek\frameworks\configs\MConfig\tuner\Kconfig

1.

```
1. @@ -1,12 +1,17 @@
2. # TP0 FE
3. choice
4.     prompt "TP0 FE"
5. -     default MCFG_TP0_DTV_FE_REALTEK_TDA18275A_ALL
6. +     default MCFG_TP0_DTV_FE_REALTEK_SI2151_ALL
7.
8.     config MCFG_TP0_DTV_FE_REALTEK_TDA18275A_ALL
9.         bool "REALTEK_TDA18275A_ALL"
10.        help
11.            Use REALTEK_TDA18275A_ALL solution
12. +
13. +config MCFG_TP0_DTV_FE_REALTEK_SI2151_ALL
14. +     bool "REALTEK_SI2151_ALL"
15. +     help
16. +         Use REALTEK_SI2151_ALL solution
17.
18.     config MCFG_TP0_DTV_FE_NONE
19.         bool "NONE"
20. @@ -47,12 +52,17 @@ endchoice
21. # ATV Tuner
22. choice
23.     prompt "ATV Tuner"
24. -     default MCFG_AFEIF_RTKATV_TUNER_NXP_TDA18275A
25. +     default MCFG_AFEIF_RTKATV_TUNER_SILICON_SI2151
26.
27.     config MCFG_AFEIF_RTKATV_TUNER_NXP_TDA18275A
28.         bool "AFEIF_RTKATV_TUNER_NXP_TDA18275A"
29.        help
30.            Use AFEIF_RTKATV_TUNER_NXP_TDA18275A solution
31. +
32. +config MCFG_AFEIF_RTKATV_TUNER_SILICON_SI2151
33. +     bool "AFEIF_RTKATV_TUNER_SILICON_SI2151"
34. +     help
35. +         Use AFEIF_RTKATV_TUNER_SILICON_SI2151 solution
36.
37. endchoice
```

3、在执行make选择tuner。

1.

kernel/android/nougat/device/realtek/frameworks/Configs/RealtekATV/ProjConfig

4.

1.

libs/Platform_Lib/TVFrontendControl/api/inc/DTV_TunerControlConfig.h

1.

#define OPEN_TV_FE_REALTEK_TDA18275A_ALL(args...) (NULL)

2.

#endif

```

3.
4.  #ifndef DTV_FE_REALTEK_SI2151_ALL_EN
5.  #include "dtv_fe_realtek_si2151_all.h"
6.  #define OPEN_TV_FE_REALTEK_SI2151_ALL(args...)    (new TV_FE_REALTEK_SI2151_ALL(args))
7.  #else
8.  #define OPEN_TV_FE_REALTEK_SI2151_ALL(args...)    (NULL)
9.  #endif
10. +
11.
12. //Add for Mag2
13. #ifndef DTV_FE_RTD299S_TUNERNULL_ALL_EN

```

5、

```

1. /libs/Platform_Lib/TVFrontendControl/api/src/DTV_TunerControl.cpp

```

```

1.         if (strcmp(model_name, "DTV_FE_REALTEK_TUNERNULL_ALL") == 0) return DTV_FE_REALTEK_TUNERNULL_ALL;
2. +         if (strcmp(model_name, "DTV_FE_REALTEK_SI2151_ALL") == 0) return DTV_FE_REALTEK_SI2151_ALL;
3.         if (strcmp(model_name, "DTV_FE_REALTEK_SI2178B_ALL") == 0) return DTV_FE_REALTEK_SI2178B_ALL;
4. -         if (strcmp(model_name, "DTV_FE_REALTEK_RDA5815M_ALL") == 0) return DTV_FE_REALTEK_SI2178B_ALL;
5. +         if (strcmp(model_name, "DTV_FE_REALTEK_TDA18275A_ALL") == 0) return DTV_FE_REALTEK_TDA18275A_ALL;
6. +         if (strcmp(model_name, "DTV_FE_REALTEK_RDA5815M_ALL") == 0) return DTV_FE_REALTEK_RDA5815M_ALL;

```

```

1. @@ -4681,6 +4683,10 @@ Frontend* OpenTuner(
2.     case DTV_FE_REALTEK_TUNERNULL_ALL:
3.         pFE = OPEN_TV_FE_REALTEK_TUNERNULL_ALL(0x24, 0xC0, pInternalDemodComm, pComm[1], pTPIF, LOOP_THRO
4.         break;
5. +     case DTV_FE_REALTEK_SI2151_ALL:
6. +         printf("---HHHVVVTTTDTV_FE_REALTEK_SI2151_ALL\n");
7. +         pFE = OPEN_TV_FE_REALTEK_SI2151_ALL(0x24, 0xC0, pInternalDemodComm, pComm[1], pTPIF, LOOP_THROUGH
8. +         break;
9.     case DTV_FE_REALTEK_SI2178B_ALL:
10.         pFE = OPEN_TV_FE_REALTEK_SI2178B_ALL(0x24, 0xC0, pInternalDemodComm, pComm[1], pTPIF, LOOP_THROUG
11.         break;

```

6、

```

1. /libs/Platform_Lib/TVFrontendControl/frontend/inc/frontend.h

```

```

1. @@ -299,6 +299,7 @@ enum {
2.     DTV_FE_RTD2945_MXL661_DTMB_DVBC,
3.
4.     DTV_FE_REALTEK_TUNERNULL_ALL,
5. +     DTV_FE_REALTEK_SI2151_ALL,
6.     DTV_FE_REALTEK_SI2178B_ALL,
7.     DTV_FE_REALTEK_RDA5815M_ALL,
8.     DTV_FE_REALTEK_TDA18275A_ALL,

```

7、

```

1. /libs/Platform_Lib/TVFrontendControl/tuner/src/si2151_api/src/RTK_Si2151.c

```

```

1. @@ -590,7 +590,7 @@ void RTK_SI2151_LNA_Ctrl(unsigned char LNA_On)
2. int RTK_SI2151_SetStandbyModeOn()
3. {
4.     ; //for future use
5. -
6. +     return 1;
7. }

```

8、

```

1. /libs/Platform_Lib/TVFrontendControl/tuner/src/tuner_siliconlabs_si2151.cpp

```

```

1. @@ -3,7 +3,9 @@
2. #include <string.h>
3. #include <assert.h>
4. #include "tuner_siliconlabs_si2151.h"
5. -#include "../Drivers/TVFrontendControl/tuner/src/si2151_api/src/RTK_Si2151.h"
6. +// #include "../Drivers/TVFrontendControl/tuner/src/si2151_api/src/RTK_Si2151.h"
7. + #include "RTK_Si2151.h"
8. + #include "Platform_Lib/PLI/PLI.h"

```

