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Date:2021-12-21

FCC ID: TX2-RTL8852BE

Declaration Letter

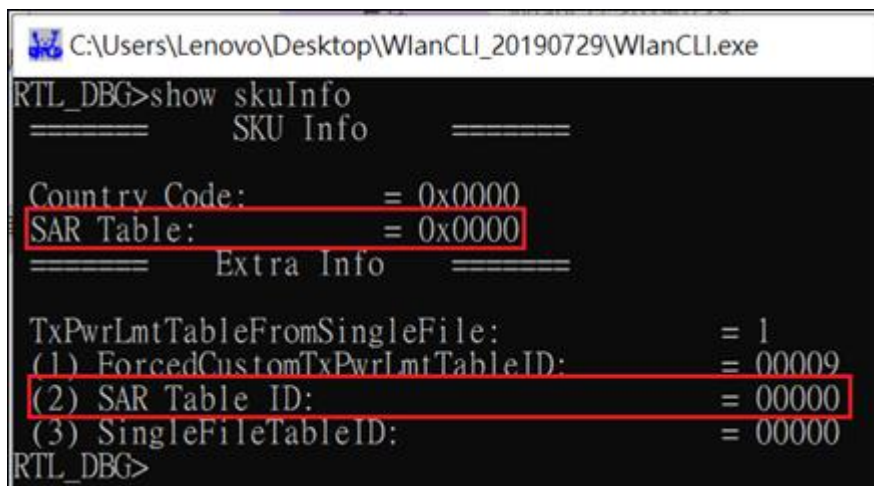
RTL8852BE default power table is non SAR power limit table.

Part of the uniformity of SAR is achieved by the platform (BIOS). There are two ways to achieve the following. The following describes the method of identifying the SAR/non-SAR platform.

a) Customized TX power limit table

- **Method to Apply SAR limit:** Specify the customized TX power limit table ID in SMBIOS or UEFI, and the Driver will apply the customized TX power limit table for SAR based on the ID.
- **Method to recognize SAR/non-SAR platform:** Use Realtek command line tool "SingleSkuSolutionCheckTool.exe", issue the command "show skuInfo",

If the SAR Table ID is 0, it is a non-SAR platform, if the SAR Table ID is a non-zero value, it is a SAR platform.



```
C:\Users\Lenovo\Desktop\WlanCLI_20190729\WlanCLI.exe
RTL_DBG>show skuInfo
=====
SKU Info
=====
Country Code:          = 0x0000
SAR Table:             = 0x0000
=====
Extra Info
=====
TxPwrLmtTableFromSingleFile: = 1
(1) ForcedCustomTxPwrLmtTableID: = 00009
(2) SAR Table ID:         = 00000
(3) SingleFileTableID:    = 00000
RTL_DBG>
```

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b) BIOS SAR table Solution

- **Method to Apply SAR limit:** Fill in the SAR limit directly in the BIOS, if the driver finds that there is a SAR table in the BIOS, it will apply this SAR limit.
- **Method to recognize SAR/non-SAR platform:** Use Realtek command line tool "SingleSkuSolutionCheckTool.exe", issue the command "dump BiosSarTable".

If "There is no valid SAR table in BIOS" is displayed, the platform is non-SAR platform

```
D:\Utility\CLI\1017\WlanCLI.exe

Dump SAR Power Limit from ACPI WRDS SAR Configuration Table:

There is no valid SAR table in BIOS.
```

If there is valid information in the "Show SAR PowerLimit" field, the platform is SAR platform.

```
C:\Users\COMM\Desktop\Realtek_WW_SKU_Validation_Tool_180301\SingleSkuSolutionCheckTool.exe

RTL_DBG>dump BiosSarTable

Dump SAR Power Limit from ACPI RWRD SAR Configuration Table:

Customer ID: 0x48, 0x50
WifiEnable: 0x01
Total SAR Table Count: 3
Current SAR Table Index: (2, 2, 2, 2)

Dump RWRD SAR RAW DATA. (Total Count: 60)
0x0E 0x0C 0x0C 0x0C 0x0C 0x0E 0x0C 0x0C 0x0C 0x0C 0x0E 0x0C 0x0C 0x0C 0x0C 0x12 0x10 0x10 0x12 0x12
0xFD 0xFD 0xFD 0xFD 0xFD 0xFD 0xFD 0xFD 0xFD 0xFD 0xFD 0xFD 0xFD 0xFD 0xFD 0x12 0x10 0x10 0x12 0x12
0xF9 0xF9 0xF9 0xF9 0xF9 0xF9 0xF9 0xF9 0xF9 0xF9 0xF9 0xF9 0xF9 0xF9 0xF9 0x12 0x10 0x10 0x12 0x12

Show SAR PowerLimit:

2.4G Antenna 1: [8.5] dBm
2.4G Antenna 2: [8.5] dBm

5G Antenna 1: [8.5, 8.5, 8.5, 8.5] dBm
5G Antenna 2: [8.5, 8.5, 8.5, 8.5] dBm
```

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If you have any questions regarding the authorization, please don't hesitate to contact us.

Sincerely yours,



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