IVI:

Current Behaviors:

No on/off button for wireless charging;

Behaviors Need to Change:

1. Add on/off button on IVI HMI for wireless charging in “车辆设置” tab;



1. There would be a message to remind user if user click info icon: ” ~~由于部分手机厂商未开通无线充电协议，无线充电速率较慢，且易发热，建议使用有线充电~~”

“由于部分手机厂商未开放私有无线充电协议，导致无线充电速率较慢且易发热，建议使用有线充电”

1. IVI “SET” WCM status module using FBMP protocol:

|  |  |  |  |
| --- | --- | --- | --- |
| Feature Name | Feature ID | Config Number | Config Value |
| Wireless Charging for CX771 China DuerOs | 0x0979 | 0x00 | Off / Disabled |
| 0x01 | On / Enabled |

1. No enhanced memory is supported, PersIndex is “Vehicle”
2. IVI would retry to send the “SET” signal if doesn’t get WCM response in 500ms, maximum 3 times;
3. IVI doesn’t “QUERY” WCM module status;
4. IVI receives WCM signal (WrlssAcsyChrg\_Pc\_Actl) as feedback

When WrlssAcsyChrg\_Pc\_Actl==0x00, setting menu displays WCM ON;

When WrlssAcsyChrg\_Pc\_Actl==0x01, setting menu displays WCM OFF;

1. When IVI cannot receive WrlssAcsyChrg\_Pc\_Actl from WCM, the setting shall turn off;
2. The function can be controlled by Part2 Config;



1. When WCM is on, “Wireless charging active” pop up message and chime should only play once each ignition cycle, wireless charging icon displays on status bar would keep previous behavior.
2. When WCM is off, and IVI receives WrlssAcsyChrgr\_D\_Stat=0x2, IVI should pop up “Wireless charging off, please go to setting menu to turn on wireless charging” with the same chime as “wireless charging active”. The pop up and chime would only play once each ignition cycle.  icon should be displayed on status bar when receiving WrlssAcsyChrgr\_D\_Stat=0x2 at WCM off status.
3. IVI don’t pop up and display any wireless charging content when WrlssAcsyChrgr\_D\_Stat!=0x2 at WCM off status.
4. “Wireless charging ” items should be put in “常用” tab in ”车辆控制” by default.
5. Add tagging point for wireless charging on/off status.