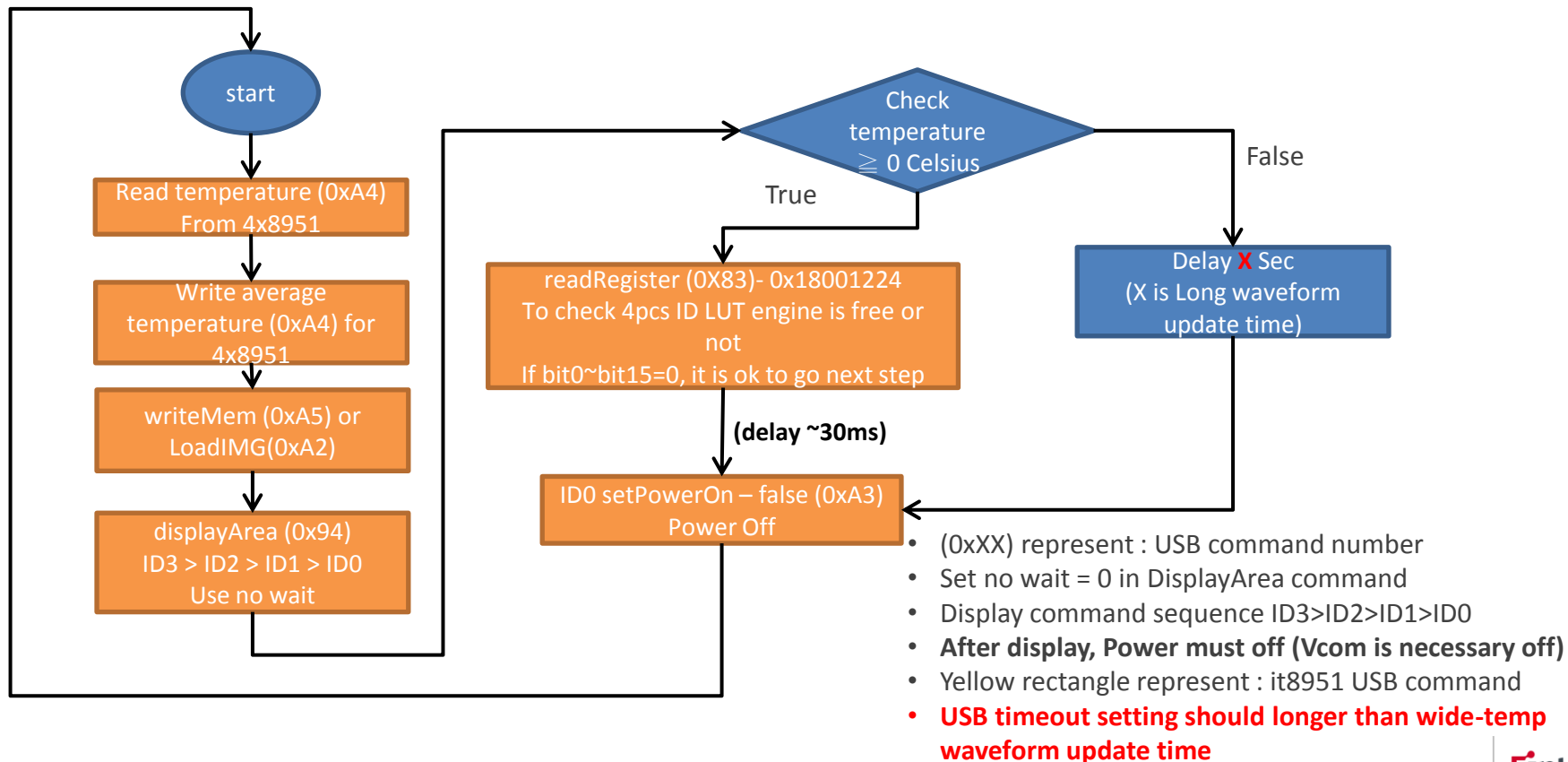




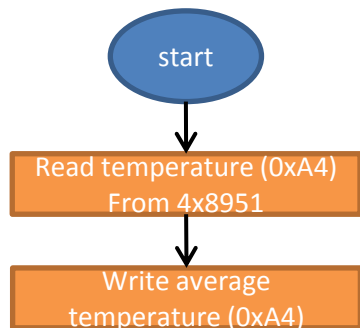
Recommend Flow for Host to Control  
it8951 USB on 31.2" B/W Platform



# Full image update\_20180927



# Full image update\_20180830



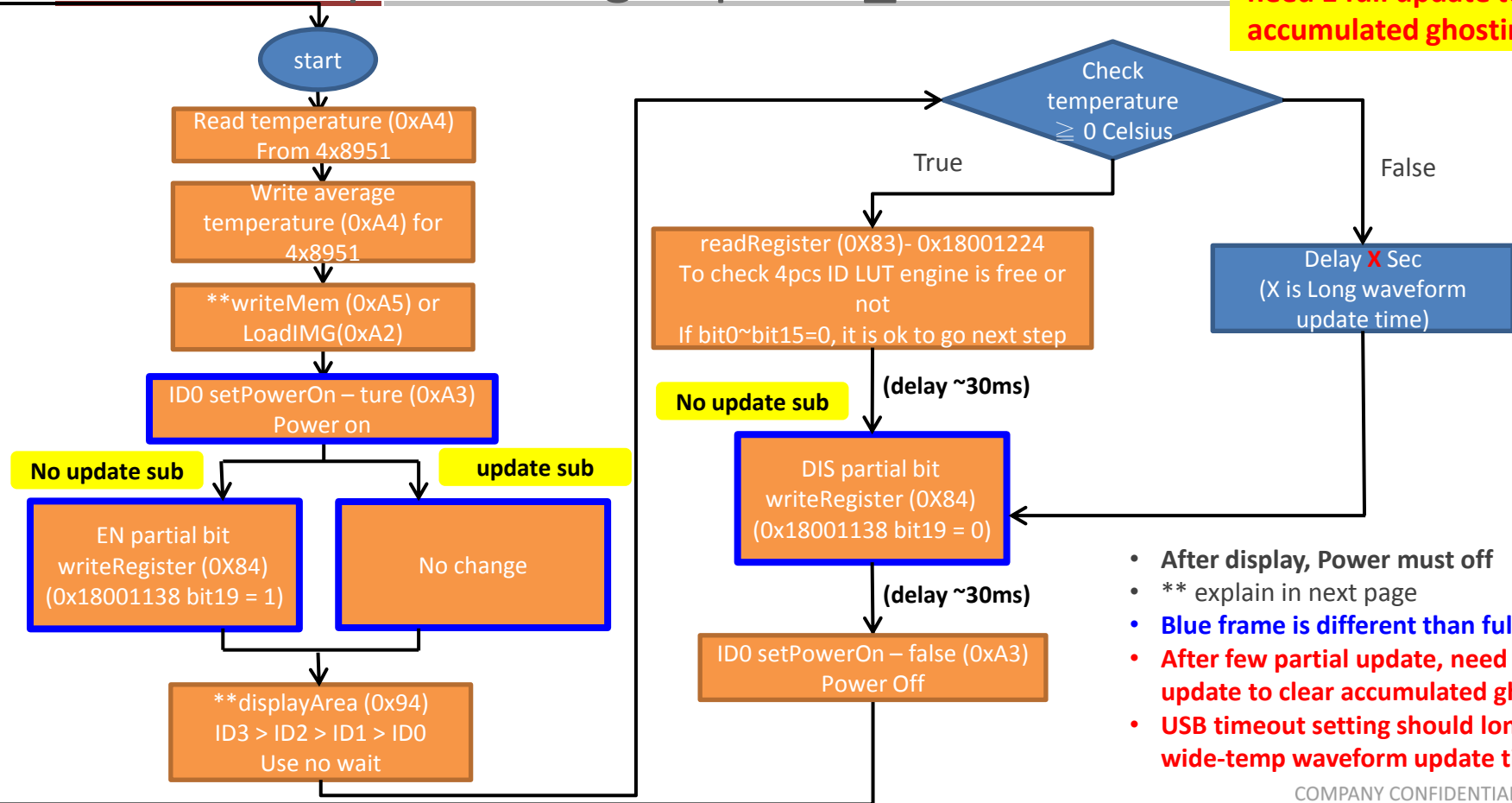
- Read temp : Host need to read back temp from 4x8951
- Write temp : get 4x8951 temp to do average (平均) value then write to 4x8951

```
//Copy Scsi Buffer to SPTD Buf
pstSPTDBuf->Cdb[0]  = 0xFE;
pstSPTDBuf->Cdb[1]  = 0x00;
pstSPTDBuf->Cdb[2]  = 0x00;
pstSPTDBuf->Cdb[3]  = 0x00;
pstSPTDBuf->Cdb[4]  = 0x00;
pstSPTDBuf->Cdb[5]  = 0x00;
pstSPTDBuf->Cdb[6]  = IT8951_USB_OP_FSET_TEMP;//0xA4
pstSPTDBuf->Cdb[7]  = (BYTE) (pstFTempCtrl->ucSetTemp);
pstSPTDBuf->Cdb[8]  = (BYTE) (pstFTempCtrl->ucTempVal);
pstSPTDBuf->Cdb[9]  = 0x00;
pstSPTDBuf->Cdb[10] = 0x00;
pstSPTDBuf->Cdb[11] = 0x00;
pstSPTDBuf->Cdb[12] = 0x00;
pstSPTDBuf->Cdb[13] = 0x00;
pstSPTDBuf->Cdb[14] = 0x00;
pstSPTDBuf->Cdb[15] = 0x00;
```

Cdb[7] : 0 - read // 2 - write

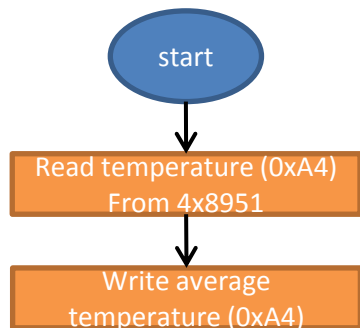
# Partial sub-panel image update\_20180927

**Notice**  
After few partial update,  
need 1 full update to clear  
accumulated ghosting



- After display, Power must off
- \*\* explain in next page
- Blue frame is different than full update
- After few partial update, need 1 full update to clear accumulated ghosting
- USB timeout setting should longer than wide-temp waveform update time

# Full image update\_20180830









- Read temp : Host need to read back temp from 4x8951
- Write temp : get 4x8951 temp to do average (平均) value then write to 4x8951

```
//Copy Scsi Buffer to SPTD Buf
pstSPTDBuf->Cdb[0] = 0xFE;
pstSPTDBuf->Cdb[1] = 0x00;
pstSPTDBuf->Cdb[2] = 0x00;
pstSPTDBuf->Cdb[3] = 0x00;
pstSPTDBuf->Cdb[4] = 0x00;
pstSPTDBuf->Cdb[5] = 0x00;
pstSPTDBuf->Cdb[6] = IT8951_USB_OP_FSET_TEMP;//0xA4
pstSPTDBuf->Cdb[7] = (BYTE) (pstFTempCtrl->ucSetTemp);
pstSPTDBuf->Cdb[8] = (BYTE) (pstFTempCtrl->ucTempVal);
pstSPTDBuf->Cdb[9] = 0x00;
pstSPTDBuf->Cdb[10] = 0x00;
pstSPTDBuf->Cdb[11] = 0x00;
pstSPTDBuf->Cdb[12] = 0x00;
pstSPTDBuf->Cdb[13] = 0x00;
pstSPTDBuf->Cdb[14] = 0x00;
pstSPTDBuf->Cdb[15] = 0x00;
```

Cdb[7] : 0 - read // 2 - write

# Partial image update\_20180830



command	normal temp (0~50C)	Wide-temp (-15~65C)											
<div>**writeMem (0xA5) or LoadIMG(0xA2)</div>	<ul style="list-style-type: none"> <li><b>Update area</b> <ul style="list-style-type: none"> <li>Send update data</li> </ul> </li> <li><b>No update area</b> <ul style="list-style-type: none"> <li>Send same area as "Update area"</li> </ul> </li> </ul>												
<div>**displayArea (0x94) ID3 &gt; ID2 &gt; ID1 &gt; ID0 Use no wait</div>	<table> <tr> <td></td><td><b>No update area</b></td><td><b>Update area</b></td></tr> <tr> <td>Display area</td><td>Same area as Update area </td><td>Update data area </td></tr> <tr> <td rowspan="2">WF mode</td><td colspan="2">Mode 2 (16GT)</td></tr> <tr> <td colspan="2">Mode 1 (2GT)</td></tr> </table>			<b>No update area</b>	<b>Update area</b>	Display area	Same area as Update area 	Update data area 	WF mode	Mode 2 (16GT)		Mode 1 (2GT)	
	<b>No update area</b>	<b>Update area</b>											
Display area	Same area as Update area 	Update data area 											
WF mode	Mode 2 (16GT)												
	Mode 1 (2GT)												



Creativity **on**  
Display

Thank You

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