USB Command Test

Test Engineer	Jim Lin	Date	2026/7/14	Stage	Result
				EP	Pass

Test Purpose

Test and verify all commands are meet to spec.

Evaluation Unit Level

Temperature	25°C±2°C
Reltative Humidity	50%±10%(RH)

Evaluation Equipment

Processor	Intel® Core™ i5-6400CPU@ 2.70GHz	Not applicable
Graphics Card	NVIDIA GeForce GTX1080 -Driver 536.23	
Computer OS	Windows 10 Pro - 64bit	
Command Software	DIVA FT260 command Tool V 0.0.0.16	

Evaluation Unit Level

OLED Panel	LG type: LW270AHQ-ERG2
Support Interface	DP / USB
F/W Version	1.01.10
Part Number	300014223241
Verification Plan Doc. ID	D002164433

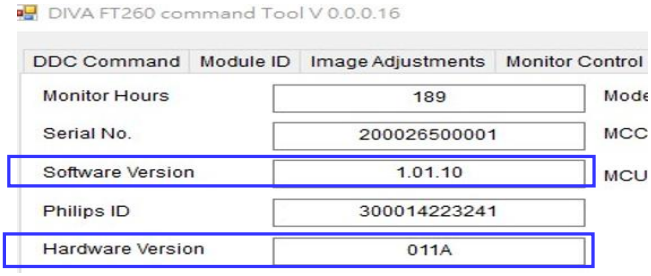
Test Standard

27inch OLED Display Module Requirements - 5.12.5. USB Commands

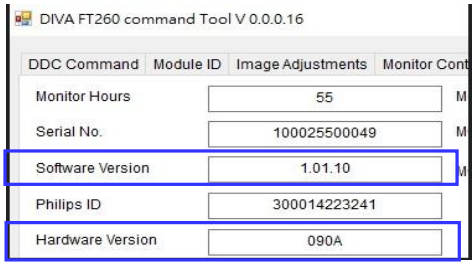
Criteria

All support commands must be correctly, read, write and action.

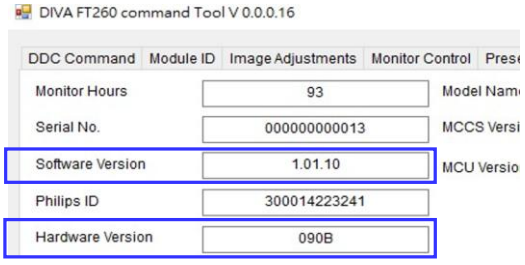
EP sample



IP1 sample



IP2 sample



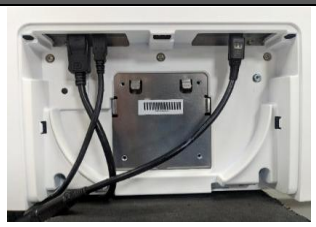
USB Command Test

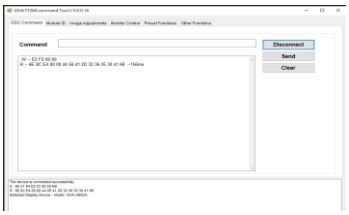
Test Procedure	Result	Comments
1. Connect power and signal	Pass	N/A
2. Turn on the monitor and start the “DIVA Tool (command sending tool)”.	Pass	N/A
3. Send USB Command <mm>	Pass	N/A
4. Ensure the received value matches the display for proper function.	Pass	N/A

Test Condition

Test Tool	DIVA FT260 command Tool V 0.0.0.16	Resolution	1920x1080/60Hz(DP)	Interface	USB

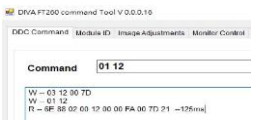
PHOTO OF TEST





Requirement ID(S): 5.12.5.1 — **Requirement Language:English**

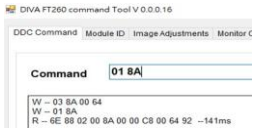
Sample Number	Serial/Lot Number	Expected Result	Actual Result	Pass / Fail	Comments
EP sample	200026500001	SH = 00h SL = 00h – FAh * All other values are Data error. Default: 7Dh, 125d	[Set VCP] 03 12 00 7D	Pass	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
12h (ID:5.12.5.1)	Contrast	This command is used for contrast adjustment. Increasing (decreasing) this value will increase (decrease) the contrast of the image. Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 00h – FAh * All other values are Data error. Default: 7Dh, 125d	**FT260 Command Tools Example:** [Set VCP] 03 12 00 7D [Get VCP] 01 12 Reply : 6E 88 02 00 12 00 00 FA **00 7D** 21 00 7D --> 125 	N/A

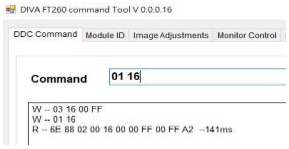
Requirement ID(S): 5.12.5.2 — **Requirement Language:English**

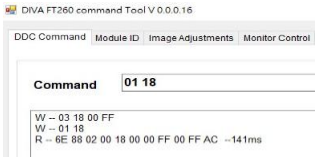
Sample Number	Serial/Lot Number	Expected Result	Actual Result	Pass / Fail	Comments
EP sample	200026500001	SH = 00h SL = 00h - 64h * All other values are Data error. Default: Follow calibration ** Panel backlight full range control.	[Set VCP] 03 10 00 64	Pass	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
10h (ID:5.12.5.2)	Brightness	This command is used for brightness adjustment. Increasing (decreasing) this value will increase (decrease) the brightness of the image. Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 00h - 64h * All other values are Data error. Default: **Follow calibration** ** Panel backlight full range control.	**FT260 Command Tools Example:** [Set VCP] 03 10 00 64 [Get VCP] 01 10 Reply : 6E 88 02 00 10 00 00 64 **00 64** A4 00 64 --> 100 	N/A

Requirement ID(S): 5.12.5.3			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h - 64h * All other values are Data error. Default: 64h, 100d	[Set VCP] 03 8A 00 64		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
8Ah (ID:5.12.5.3)	Chroma	This command is used for chroma adjustment. Increasing (decreasing) this value will increase (decrease) the chroma level of the image. Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 00h - 64h * All other values are Data error. Default: 64h, 100d	**FT260 Command Tools Example:** [Set VCP] 03 8A 00 64 [Get VCP] 01 8A Reply : 6E 88 02 00 8A 00 00 C8 **00 64** 92 00 64 --> 100  		N/A

Requirement ID(S): 5.12.5.6			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h D65 SL = 01h D75 SL = 02h D93 SL = 03h D110 SL = 04h D130 * All other values are Data error. Default: 02h	[Set VCP] 03 E2 00 03		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
E2h (ID:5.12.5.6)	Color Temp	This command is used for color temperature setting. D65: D65 (about 6500K) D75: D75（about 7500K) D93: D93（about 9300K) D110: D110（about 11000K) D130: D130（about 13000K) Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 00h D65 SL = 01h D75 SL = 02h D93 SL = 03h D110 SL = 04h D130 * All other values are Data error. Default: 02h	**FT260 Command Tools Example:** [Set VCP] 03 E2 00 03 [Get VCP] 01 E2 Reply : 6E 88 02 00 E2 00 00 04 **00 03** 51 00 03 --> 03h : D110  		N/A

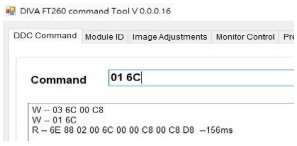
Requirement ID(S): 5.12.5.8			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SH SL = 0000h - 00FFh * All other values are Data error. Default: 80h , 128d	[Set VCP] 03 16 00 FF		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
16h (ID:5.12.5.8)	R Gain	This command is used for red gain setting of the colour temperature that is selected "Colour Temp". This command can use it when "Color Temp" setting is User1, User2, User3, User4, and User5. It is "Invalid Command" error when "Color Temp" setting is except the above. Increasing (decreasing) this value will increase (decrease) the luminance of red pixels. Please refer to "Setting data range" about the preset value. This command records the setting value. * The OSD gain range of 0 to 255.	SH SL = 0000h - 00FFh * All other values are Data error. Default: 80h , 128d	**FT260 Command Tools Example:** [Set VCP] 03 16 00 FF [Get VCP] 01 16 Reply : 6E 88 02 00 16 00 00 FF **00 FF** A2 00 FF --> 255 		**N/A**

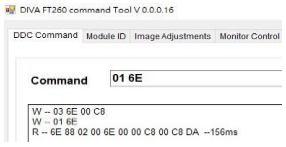
Requirement ID(S): 5.12.5.9			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SH SL = 0000h - 00FFh * All other values are Data error. Default: 80h , 128d	[Set VCP] 03 18 00 FF		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
18h (ID:5.12.5.9)	G Gain	This command is used for green gain setting of the colour temperature that is selected "Colour Temp". This command can use it when "Color Temp" setting is User1, User2, User3, User4, and User5. It is "Invalid Command" error when "Color Temp" setting is except the above. Increasing (decreasing) this value will increase (decrease) the luminance of green pixels. Please refer to "Setting data range" about the preset value. This command records the setting value. * The OSD gain range of 0 to 255	SH SL = 0000h - 00FFh * All other values are Data error. Default: 80h , 128d	**FT260 Command Tools Example:** [Set VCP] 03 18 00 FF [Get VCP] 01 18 Reply : 6E 88 02 00 18 00 00 FF **00 FF** AC 00 FF --> 255 		**N/A**

Requirement ID(S): 5.12.5.10			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SHSL = 0000h –00FFh * All other values are Data error. Default: 80h , 128d	[Set VCP] 03 1A 00 FF	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

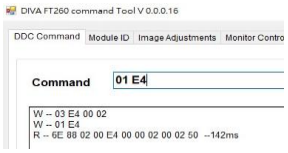
Hex	Name	Description	Setting data range and default value	Respond	Comments
1Ah (ID:5.12.5.10)	B Gain	This command is used for blue gain setting of the colour temperature that is selected "Colour Temp". This command can use it when "Color Temp" setting is User1, User2, User3, User4, and User5. It is "Invalid Command" error when "Color Temp" setting is except the above. Increasing (decreasing) this value will increase (decrease) the luminance of blue pixels. Please refer to "Setting data range" about the preset value. This command records the setting value. * The OSD gain range of 0 to 255.	SHSL = 0000h –00FFh * All other values are Data error. Default: 80h , 128d	**FT260 Command Tools Example:** [Set VCP] 03 1A 00 FF [Get VCP] 01 1A Reply : 6E 88 02 00 1A 00 00 FF **00 FF** AE 00 FF --> 255 	**N/A**

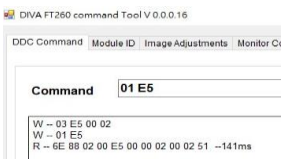
Requirement ID(S): 5.12.5.11			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SHSL = 0000h - 00C8h * All other values are Data error. Default: 64h , 100d	[Set VCP] 03 6C 00 C8	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
6Ch (ID:5.12.5.11)	R Bias	This command is used for red bias setting of the colour temperature that is selected "Colour Temp". This command can use it when "Color Temp" setting is User1, User2, User3, User4, and User5. It is "Invalid Command" error when "Color Temp" setting is except the above. Increasing (decreasing) this value will increase (decrease) the black level of the red video. Please refer to "Setting data range" about the preset value. This command records the setting value. * The OSD gain range of 0 to 200.	SHSL = 0000h - 00C8h * All other values are Data error. Default: 64h , 100d	**FT260 Command Tools Example:** [Set VCP] 03 6C 00 C8 [Get VCP] 01 6C Reply : 6E 88 02 00 6C 00 00 C8 **00 C8** D8 00 C8 --> 200 	**N/A**

Requirement ID(S): 5.12.5.12			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SHSL = 0000h - 00C8h * All other values are Data error. Default: 64h , 100d	[Set VCP] 03 6E 00 C8		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
6Eh (ID:5.12.5.12)	G Bias	This command is used for green bias setting of the colour temperature that is selected "Colour Temp". This command can use it when "Color Temp" setting is User1, User2, User3, User4, and User5. It is "Invalid Command" error when "Color Temp" setting is except the above. Increasing (decreasing) this value will increase (decrease) the black level of the green video. Please refer to "Setting data range" about the preset value. This command records the setting value. * The OSD gain range of 0 to 200.	SHSL = 0000h - 00C8h * All other values are Data error. Default: 64h , 100d	**FT260 Command Tools Example:** [Set VCP] 03 6E 00 C8 [Get VCP] 01 6E Reply : 6E 88 02 00 6E 00 00 C8 **00 C8** DA 00 C8 --> 200  		**N/A**

Requirement ID(S): 5.12.5.13			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SHSL = 0000h - 00C8h * All other values are Data error. Default: 64h , 100d	[Set VCP] 03 70 00 C8		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
70h (ID:5.12.5.13)	B Bias	This command is used for blue bias setting of the colour temperature that is selected "Colour Temp". This command can use it when "Color Temp" setting is User1, User2, User3, User4, and User5. It is "Invalid Command" error when "Color Temp" setting is except the above. Increasing (decreasing) this value will increase (decrease) the black level of the blue video. Please refer to "Setting data range" about the preset value. This command records the setting value. * The OSD gain range of 0 to 200.	SHSL = 0000h - 00C8h * All other values are Data error. Default: 64h , 100d	**FT260 Command Tools Example:** [Set VCP] 03 70 00 C8 [Get VCP] 01 70 Reply: 6E 88 02 00 70 00 00 C8 **00 C8** C4 00 C8 --> 200  		**N/A**

Requirement ID(S): 5.12.5.15			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h 2.2 SL = 01h 2.4 SL = 02h DICOM * All other values are Data error. Default: 00h	[Set VCP] 03 E4 00 02		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
E4h (ID:5.12.5.15)	Gamma	This command is used for gamma setting. 2.2: 2.2 gamma 2.4: 2.4 gamma DICOM: DICOM gamma Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 00h 2.2 SL = 01h 2.4 SL = 02h DICOM * All other values are Data error. Default: 00h	**FT260 Command Tools Example:** [Set VCP] 03 E4 00 02 [Get VCP] 01 E4 Reply : 6E 88 02 00 E4 00 00 02 **00 02** 50 00 02 --> 02h : DICOM 		N/A

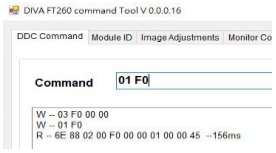
Requirement ID(S): 5.12.5.16			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h ITU-709 SL = 01h Native1 SL = 02h Native2 * All other values are Data error. Default: 01h	[Set VCP] 03 E5 00 02		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
E5h (ID:5.12.5.16)	Color Space	This command is used for color space setting. ITU-709: It displays by the color space of the ITU-R BT.709 standard. Native1: It displays by the color space of the panel. Native2: It displays by the middle color space of ITU-709 and Native1. Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 00h ITU-709 SL = 01h Native1 SL = 02h Native2 * All other values are Data error. Default: 01h	**FT260 Command Tools Example:** [Set VCP] 03 E5 00 02 [Get VCP] 01 E5 Reply : 6E 88 02 00 E5 00 00 02 00 02 51 00 02 --> 02h : Native2 		N/A

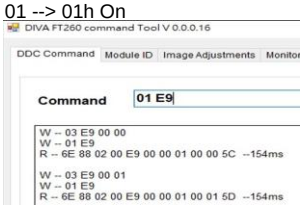
Requirement ID(S): 5.12.5.18			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h Off SL = 01h On * All other values are Data error. Default: 00h	[Set VCP] 03 E7 00 01	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

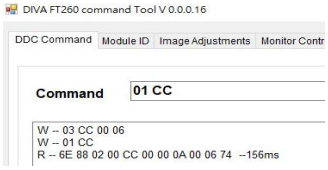
Hex	Name	Description	Setting data range and default value	Respond	Comments
E7h (ID:5.12.5.18)	Dot by Dot Mode	This command is used for native (Dot by Dot) display setting. Off: It displays according to the panel size. On: It is displayed by native（Dot by Dot). Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 00h Off SL = 01h On * All other values are Data error. Default: 00h	**FT260 Command Tools Example:** [Set VCP] 03 E7 00 01 [Get VCP] 01 E7 Reply : 6E 88 02 00 E7 00 00 07 **00 01** 55 00 01 --> On  SL = 01h On 	N/A

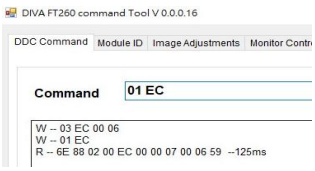
Requirement ID(S): 5.12.5.21			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h Off SL = 01h Auto * All other values are Data error. Default: 01h	[Set VCP] 03 EA 00 01	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
EAh (ID:5.12.5.21)	Status Display	This command is used for status OSD display setting. Off: Status OSD is not displayed. Auto: Status OSD is displayed when a signal changes. * "NO SYNC" is displayed in both cases. Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 00h Off SL = 01h Auto * All other values are Data error. Default: 01h	**FT260 Command Tools Example::** [Set VCP] 03 EA 00 01 [Get VCP] 01 EA Reply :6E 88 02 00 EA 00 00 01 **00 01** 5E 00 01 --> 01h Auto  SL = 00h Off  SL = 01h Auto 	N/A

Requirement ID(S): 5.12.5.22			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h Off SL = 01h On * All other values are Data error. Default: 01h	[Set VCP] 03 F0 00 00		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
F0h (ID:5.12.5.22)	Control Panel Enable	This command is used for an effective/invalid setting of the key to the control panel. Off: The key to the control panel is invalid. On: The key to the control panel is effective. Please refer to "Setting data range" about the preset value. This command records the setting value. * Control Panel Enable setting has a priority higher than a Control Lock setting.	SH = 00h SL = 00h Off SL = 01h On * All other values are Data error. Default: 01h	**FT260 Command Tools Example::** [Set VCP] 03 F0 00 00 [Get VCP] 01 F0 Reply : 6E 88 02 00 F0 00 00 01 00 00 45  		N/A

Requirement ID(S): 5.12.5.23			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h Off SL = 01h On * All other values are Data error. Default: 01h	[Set VCP] 03 E9 00 01		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
E9h (ID:5.12.5.23)	OSD Enable	This command is used for effective/invalid setting of the OSD display. Off: OSD display is invalid. On: OSD display is effective. Please refer to "Setting data range" about the preset value. This command records the setting value. * OSD Enable setting has a priority higher than a Status Display setting.	SH = 00h SL = 00h Off SL = 01h On * All other values are Data error. Default: 01h	**FT260 Command Tools Example:** [Set VCP] 03 E9 00 01 [Get VCP] 01 E9 Reply : 6E 88 02 00 E9 00 00 01 **00 01** 5D 00 01 --> 01h On  SL = 00h Off  SL = 01h On 		N/A

Requirement ID(S): 5.12.5.24			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 02h English SL = 03h French SL = 04h German SL = 05h Italian SL = 06h Japanese SL = 0Ah Spanish * All other values are Data error. Default: 02	[Set VCP] 03 CC 00 06		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
CCh (ID:5.12.5.24)	Language	This command is used for a setup of the display language of OSD. English French German Italian Japanese Spanish Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 02h English SL = 03h French SL = 04h German SL = 05h Italian SL = 06h Japanese SL = 0Ah Spanish * All other values are Data error. Default: 02h	**FT260 Command Tools Example:** [Set VCP] 03 CC 00 06 [Get VCP] 01 CC Reply : 6E 88 02 00 CC 00 00 0A **00 06** 74 00 06 --> 06h Japanese 		**N/A**

Requirement ID(S): 5.12.5.25			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h User Preset1 SL = 01h User Preset2 SL = 02h User Preset3 SL = 03h User Preset4 SL = 04h User Preset5 SL = 05h User Preset6 SL = 06h User Preset7 SL = 07h User Preset8 SL = 08h Default * All other values are Data error. Default: 00h	[Set VCP] 03 EC 00 06		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
ECh (ID:5.12.5.25)	User Preset Load	This command is used for load of user's preset data. It has eight User Preset and one Default. Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 00h User Preset1 SL = 01h User Preset2 SL = 02h User Preset3 SL = 03h User Preset4 SL = 04h User Preset5 SL = 05h User Preset6 SL = 06h User Preset7 SL = 07h User Preset8 SL = 08h Default * All other values are Data error. Default: 00h	**FT260 Command Tools Example:** [Set VCP] 03 EC 00 06 [Get VCP] 01 EC Reply : 6E 88 02 00 EC 00 00 07 **00 06** 59 00 06 --> 06h User Preset7 		**N/A**

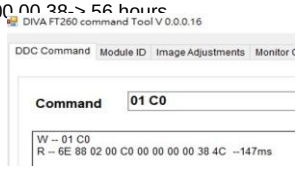
Requirement ID(S): 5.12.5.26			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h User Preset1 SL = 01h User Preset2 SL = 02h User Preset3 SL = 03h User Preset4 SL = 04h User Preset5 SL = 05h User Preset6 SL = 06h User Preset7 SL = 07h User Preset8 * All other values are Data error. Default: 00h	[Set VCP] 03 ED 00 07	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
EDh (ID:5.12.5.26)	User Preset Save	This command is used for saving user setting. It has eight User Preset. Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 00h User Preset1 SL = 01h User Preset2 SL = 02h User Preset3 SL = 03h User Preset4 SL = 04h User Preset5 SL = 05h User Preset6 SL = 06h User Preset7 SL = 07h User Preset8 * All other values are Data error. Default: 00h	**FT260 Command Tools Example:** [Set VCP] 03 ED 00 07 [Get VCP] 01 ED Reply : 6E 88 02 00 ED 00 00 07 **00 07** 59 00 07 --> 07h User Preset8 	**N/A**

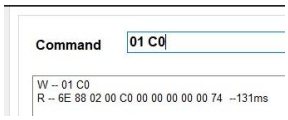
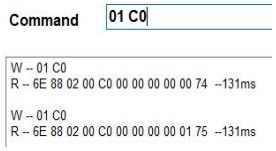
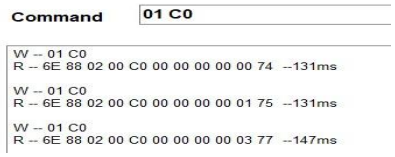
Requirement ID(S): 5.12.5.27			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 01h - FFh (Except 00h) * All other values are Data error.	[Set VCP] 03 04 00 00	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
04h (ID:5.12.5.27)	Factory Reset	This command is used for returning to the initial setting. Please refer to "Setting data range" about the preset value. This command records the setting value.	SH = 00h SL = 01h - FFh (Except 00h) * All other values are Data error.	**FT260 Command Tools Example:** [Set VCP] 03 04 00 00 	**N/A**

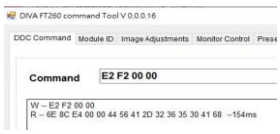
Requirement ID(S): 5.12.5.31			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	No Default	[Get VCP] 01 C0	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
C0h (ID:5.12.5.31)	Operation Time	This command is used for acquisition of the monitor's hour of use. Time (Hour) is denoted by 3 bytes of ML-SH-SL..	No Default	**FT260 Command Tools Example:** [Get VCP] 01 C0 Reply : 6E 88 02 00 C0 00 00 **00 00 38** 4C 00 00 38-> 56 hours 	N/A

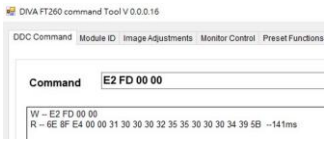
Check working hours value through USB command, it should change after few hours.

Test Procedure			Pass / Fail	Comments
Start : 00 hours 	During : 01 hours 	End : 03 hours 	**Pass**	N/A

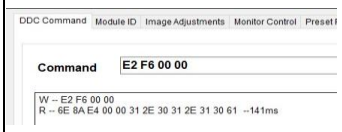
Requirement ID(S): 5.12.5.32			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	DVA-2650A	[Get VCP] E2 F2 00 00	**Pass**	N/A
IP1 sample	100025500049			**Pass**	
IP2 sample	000000000013			**Pass**	

Hex	Name	Description	Setting data range and default value	Respond	Comments
F2h (ID:5.12.5.32)	Get Model Name	This command is used for acquisition of the monitor's model name. It is acquired by 10 bytes of ASCII code.	DVA-2650A	**FT260 Command Tools Example:** [Get VCP] E2 F2 00 00 Reply : 6E 8C E4 00 00 **44 56 41 2D 32 36 35 30 41** 68 44 56 41 2D 32 36 35 30 41 --> DVA-2650A 	N/A

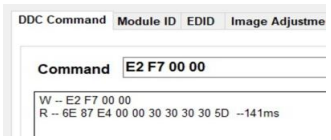
Requirement ID(S): 5.12.5.33			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	No Default	[Get VCP] E2 FD 00 00	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

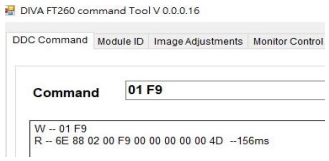
Hex	Name	Description	Setting data range and default value	Respond	Comments
FDh (ID:5.12.5.33)	Get Serial No	This command is used for acquisition of the monitor's serial number. It is acquired by 7 bytes of ASCII code. "XXXXXXX" Example) "1234567"	No Default	**FT260 Command Tools Example:** [Get VCP] E2 FD 00 00 Reply : 6E 8F E4 00 00 **31 30 30 30 32 35 35 30 30 30 34 39** 5B 31 30 30 30 32 35 35 30 30 30 34 39 -> 100025500049 	N/A

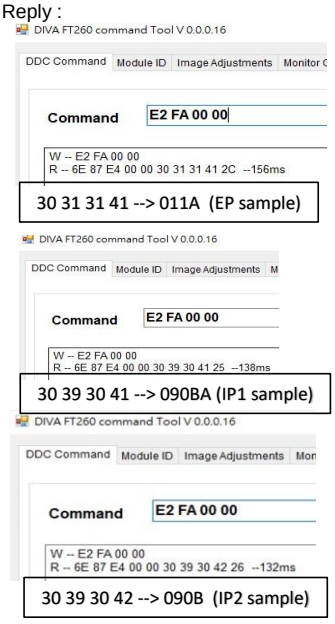
Requirement ID(S): 5.12.5.34			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	Based on supplier latest release	[Get VCP] E2 F6 00 00	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

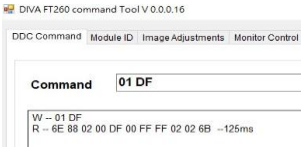
Hex	Name	Description	Setting data range and default value	Respond	Comments
F6h (ID:5.12.5.34)	Get Software Version	This command is used for acquisition of the monitor's soft version. It is acquired by 7 bytes of ASCII code. "X.XX.XX" Example) "1.23.4a"	Based on supplier latest release	**FT260 Command Tools Example:** [Get VCP] E2 F6 00 00 Reply : 6E 8A E4 00 00 **31 2E 30 31 2E 31 30** 61 31 2E 30 31 2E 31 30 --> 1.01.10 	N/A

Requirement ID(S): 5.12.5.35			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	Based on supplier latest release	[Get VCP] E2 F7 00 00	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
F7h (ID:5.12.5.35)	MCU Version	This command is used for acquisition of the monitor's MCU version. It is acquired by 4 bytes of ASCII code. "XXXX" Example) "1234"	Based on supplier latest release	[Get VCP] E2 F7 00 00 Reply : 6E 87 E4 00 00 **30 30 30 30** 5D 30 30 30 30 --> 0000 	N/A

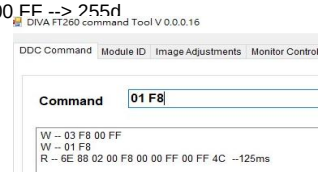
Requirement ID(S): 5.12.5.36			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	MH = 00h ML = 00h SH: Warning Code 00h: No Warning, except 00h: Warning exists 01h: JB & OFF RS is work 02h: Panel Power Off 03h: Overtemperature (60℃) SL: Error Code 00h: No Error, except 00h: Error exists 01h: Panel error detected	[Get VCP] 01 F9		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
F9h (ID:5.12.5.36)	Error Status	This command is used for acquisition of the monitor's error status. It is acquired in the following form. See section Error and Warning Codes for details.	MH = 00h ML = 00h SH: Warning Code 00h: No Warning, except 00h: Warning exists 01h: JB & OFF RS is work 02h: Panel Power Off 03h: Overtemperature (60℃) SL: Error Code 00h: No Error, except 00h: Error exists 01h: Panel error detected	**FT260 Command Tools Example:** [Get VCP] 01 F9 Reply : 6E 88 02 00 F9 00 00 00 00 00 4D SH : 00 --> 00h: No Warning SL : 00 --> 00h: No Error 		**N/A**

Requirement ID(S): 5.12.5.37			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	Based on supplier latest release. If Unused, return 0000. 0900 : 3PD505F0900 / FP1 sample 090A : 3PD505F090A / IP1 sample 090B : 3PD505F090B / IP1 sample	[Get VCP] E2 FA 00 00		**Pass** **Pass** **Pass** **Pass** **Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
FAh (ID:5.12.5.37)	Hardware Version	This command is used for acquisition of the monitor's Hardware version. It is acquired by 4 bytes of ASCII code. "XXXX" Example) "1234"	Based on supplier latest release. If Unused, return 0000. 0900 : 3PD505F0900 090A : 3PD505F090A 090B : 3PD505F090B	**FT260 Command Tools Example:** [Get VCP] E2 FA 00 00 Reply : 		N/A

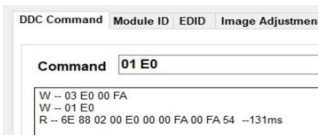
Requirement ID(S): 5.12.5.38			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	MH = 00h ML = 00h SH = 02h : MCCS version number 02h SL = 02h: MCCS revision number 02h	[Get VCP] 01 DF		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
DFh (ID:5.12.5.38)	VCP Version	This command is used for acquisition of the MCCS version. It is acquired in the following form.	MH = 00h ML = 00h SH = 02h : MCCS version number 02h SL = 02h: MCCS revision number 02h	**FT260 Command Tools Example:** [Get VCP] 01 DF Reply :6E 88 02 00 DF 00 FF FF 02 02 6B 02 02 --> 2.2 		N/A

Requirement ID(S): 5.12.5.39			Requirement Language:English			
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**		**Pass / Fail**	**Comments**
EP sample	200026500001	6 bytes for the current Philips Part number in BCD format, two characters per byte. de One byte current Philips Revision, ASCII(41h). One byte Module Type code (17h). One byte Family code (30h). One byte Feature code (00h).	[Get VCP] E2 FC		**Pass**	N/A
IP1 sample	100025500049					
IP2 sample	000000000013					
Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**		**Comments**
FCh (ID:5.12.5.39)	Philips ID	This command returns 20 bytes of ID data in the following format.	6 bytes for the current Philips Part number in BCD format, two characters per byte. de One byte current Philips Revision, ASCII(41h). One byte Module Type code (17h). One byte Family code (30h). One byte Feature code (00h). (BCD Example: 300014223241= 30h, 00h, 14h, 22h, 32h, 41h)	**FT260 Command Tools Example:** [Get VCP] E2 FC Reply :6E 97 E4 A3 00 30 00 14 22 32 41 --> 12 NC : 300014223241 		N/A

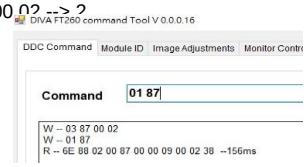
Requirement ID(S): 5.12.5.40			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	00h to FFh Default: 10h, 16d (reference only)	[Set VCP] 03 F8 00 FF	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**	**Comments**
F8h (ID:5.12.5.40)	Badge Illumination Control	One Byte illumination control. 0 is off to FFh is full bright.	00h to FFh Default: 10h, 16d (reference only)	**FT260 Command Tools Example:** [Set VCP] 03 F8 00 FF [Get VCP] 01 F8 Reply : 6E 88 02 00 F8 00 00 FF 00 FF 4C 00 FF --> 255d 	**N/A**

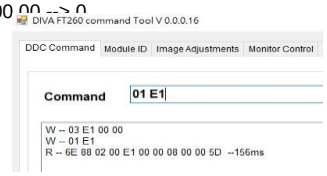
Requirement ID(S): 5.12.5.41			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SH & SL = 0064h – 00FA(100 ~ 250) * All other values are Data error. Default value of 250 is applied. (25% white of screen area) Range: 100 to 250 nits.	[Set VCP] 03 E0 00 FA	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**	**Comments**
E0h (ID:5.12.5.41)	Set Brightness	This command is used for the adjustment of target luminance (nits).Increasing (decreasing) this value will increase (decrease) the brightness of the image. Please refer to "Setting data range" about the preset value. This command records the setting value	SH & SL = 0064h – 00FA(100 ~ 250) * All other values are Data error. Default value of 250 is applied. (25% white of screen area) Range: 100 to 250 nits.	[Set VCP] 03 E0 00 FA [Get VCP] 01 E0 Reply : 6E 88 02 00 E0 00 00 FA 00 FA 59 00 FA --> 250 	**N/A**

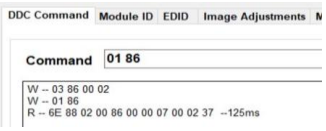
Requirement ID(S): 5.12.5.42			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h – 09h Default : 02h with each factory reset.	[Set VCP] 03 87 00 02	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
87h (ID:5.12.5.42)	Sharpness	This command is used for display sharpness. Increasing (decreasing) the value must increase (decrease) the edge sharpness of image features.	SH = 00h SL = 00h – 09h Default : 02h with each factory reset.	**FT260 Command Tools Example:** [Set VCP] 03 87 00 02 [Get VCP] 01 87 Reply : 6E 88 02 00 87 00 00 09 **00 02** 38 00 02 --> 2 	N/A

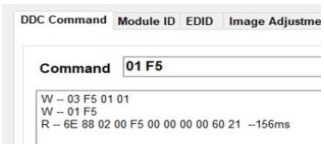
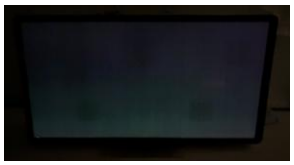
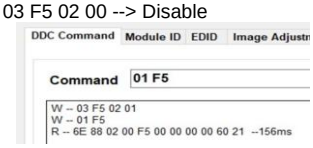
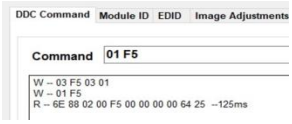
Requirement ID(S): 5.12.5.43			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 00h – 08h Default : 00 with each factory reset.	[Set VCP] 03 E1 00 00	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
E1h (ID:5.12.5.43)	UltraVivid	This command is used for display UltraVivid. Increasing (decreasing) the value must increase (decrease) the edge sharpness of image features.	SH = 00h SL = 00h – 08h Default : 00 with each factory reset.	**FT260 Command Tools Example:** [Set VCP] 03 E1 00 00 [Get VCP] 01 E1 Reply : 6E 88 02 00 E1 00 00 08 **00 00** 5D 00 00 --> 0 	N/A

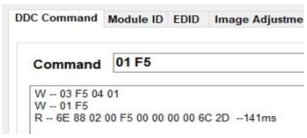
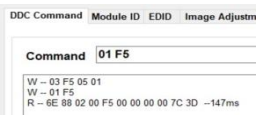
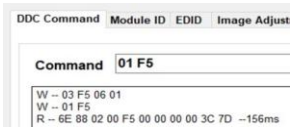
Requirement ID(S): 5.12.5.44			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 01h , 1 : 1 SL = 02h , Full SL = 03h , 1 : 80%	[Set VCP] 03 86 00 02	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
86h (ID:5.12.5.44)	Scaling	This command is used for display scaler setting. Mode support same as them 1:1 , full and 80% .	1. Scaling to 16:9 2. Scaling to full screen 3. Scaling to 1:1 [image will not be full screen as image is 1920 X 1080] 4. Scaling to 1:80% [image will be smaller than 1:1 scale] Diva propose 1. Scaling to full screen 2. Scaling to 1:1 [image will not be full screen as image is 1920 X 1080] 3. Scaling to 1:80% [image will be smaller than 1:1 scale] SH = 00h SL = 01h , 1 : 1 SL = 02h , Full SL = 03h , 1 : 80%	**FT260 Command Tools Example::** [Set VCP] 03 86 00 02 [Get VCP] 01 86 Reply : 6E 88 02 00 86 00 00 07 **00 02** 37 00 02 --> Full  SL =01h -> 1 : 1 (Image will not be full screen as image is 1920 x 1080)  SL =02h-> Full (Scaling to Full screen)  SL =03h ,1:80% (Image will be smailer than 1:1 scale) 	N/A

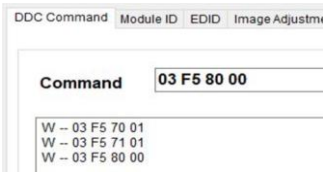
Requirement ID(S): 5.12.5.45			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	----- OFF RS ------- SH = 0x01 SL = 0 : Disable , 1 : Enable ----- JB -------- SH = 0x02 SL = 0 : Disable , 1 : Enable ----- TPC ------ SH = 03h : TPC SL = 0 : Disable , 1 : Enable	OFF RS : 03 F5 01 01 --> Enable JB : 03 F5 02 01 --> Enable TPC : 03 F5 03 01 --> Enable	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**	**Comments**
F5h (ID:5.12.5.45)	OLED Function	This command is used to eliminate image sticking of the OLED panel. OFF RS : Compensation for variation in characteristics of each Driving TFT JB : OLED Image retention compensation TPC / CPC / LEA : OLED Image retention prevention algorithm Orbit : Pixel Shifting to prevent OLED degradation	[SV] ----- OFF RS ------- SH = 0x01 SL = 0 : Disable , 1 : Enable S : 03 F5 01 01 --> Enable S : 03 F5 01 00 --> Disable ----- JB -------- SH = 0x02 SL = 0 : Disable , 1 : Enable S : 03 F5 02 01 --> Enable S : 03 F5 02 00 --> Disable ----- TPC ------ SH = 03h : TPC SL = 00h : Disable SL = 01h : Enable S : 03 F5 03 01 --> Enable S : 03 F5 03 00 --> Disable	**OFF RS Test:** [Set VCP] 03 F5 01 01 --> Enable 03 F5 01 00 --> Disable   **JB Test:** [Set VCP] 03 F5 02 01 --> Enable 03 F5 02 00 --> Disable   **TPC Test:** [Set VCP] 03 F5 03 01 --> Enable 03 F5 03 00 --> Disable  	**N/A**

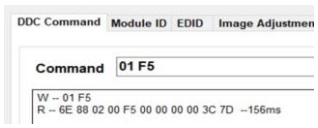
Requirement ID(S): 5.12.5.46			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	----- CPC ---------- SH = 04h : CPC SL = 00h : Disable SL = 01h : Enable ----- LEA ---------- SH = 05h : LEA SL = 00h : Disable SL = 01h : Enable ----- Orbit ---------- SH = 0x06 SL = 0 : OFF SL = 1 : Type 1 SL = 2 : Type 2 SL = 3 : Type 3	CPC: 03 F5 04 01 --> Enable LEA : 03 F5 05 01 --> Enable Orbit: 03 F5 06 01 --> Type 1	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**	**Comments**
F5h (ID:5.12.5.46)	OLED Function		----- CPC ---------- SH = 04h : CPC SL = 00h : Disable SL = 01h : Enable ----- LEA ---------- SH = 05h : LEA SL = 00h : Disable SL = 01h : Enable ----- Orbit ---------- SH = 0x06 SL = 0 : OFF SL = 1 : Type 1 SL = 2 : Type 2 SL = 3 : Type 3	**CPC:** [Set VCP] 03 F5 04 01 --> Enable 03 F5 04 00 --> Disable  **LEA :** [Set VCP] 03 F5 05 01 --> Enable 03 F5 05 00 --> Disable  **Orbit:** [Set VCP] 03 F5 06 00 --> OFF 03 F5 06 01 --> Type 1 03 F5 06 02 --> Type 2 03 F5 06 03 --> Type 3  	**N/A**

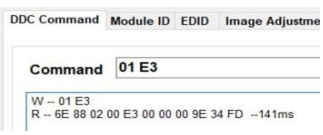
Requirement ID(S): 5.12.5.47			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 70h : Screen Saver Type SH = 71h : Screen Saver Speed SH = 80h : Screen Saver Start Time.	SH = 70h : 03 F5 70 01 SH = 71h : 03 F5 71 01 SH = 80h : 03 F5 80 00	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
F5h (ID:5.12.5.47)	OLED Function	This command is used to eliminate image sticking of the OLED panel with a screen saver	----- Screen Saver Type SH = 70h : Screen Saver Type SL = 01h : Type 1 ----- Screen Saver Speed -------- ---------- SH = 71h : Screen Saver Speed SL = 01h : 50 ms SL = 02h : 100 ms SL = 03h : 150 ms : : SL = 31h : 1550 ms ----- Screen Saver Start Time --- ---------- SH >= 80h : Screen Saver Start Time. SH / SL = 8000h : OFF SH / SL = 8001h : 1 Second SH / SL = 8002h : 2 Second : : SH / SL = FFFFh : 32767 Second	**FT260 Command Tools Example:** [Set VCP] 03 F5 70 01 03 F5 71 01 03 F5 80 00  	**N/A**

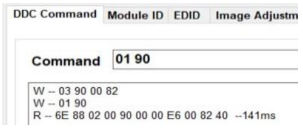
Requirement ID(S): 5.12.5.48			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	MH = 00h ML = 00h SH = 00h SL = bit[0] : OFF RS , 1 : Enable , 0 : Disable bit[1] : JB , 1 : Enable , 0 : Disable bit[2] : TPC enable , 1 : Enable , 0 : Disable bit[3] : CPC enable , 1 : Enable , 0 : Disable bit[4] : LEA refresh mode en , 1 : Enable , 0 : Disable bit[5] : Orbit on/off , 1 : Enable , 0 :	[Get VCP] 01 F5	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	Name	Description	Setting data range and default value	Respond	Comments
F5h (ID:5.12.5.48)	OLED Function	This command is used to check the status of the OLED function setting. FW default setting as OFF RS Disable JB Disable TPC Disable CPC Disable LEA Disable Orbit on	MH = 00h ML = 00h SH = 00h SL = bit[0] : OFF RS , 1 : Enable , 0 : Disable bit[1] : JB , 1 : Enable , 0 : Disable bit[2] : TPC enable , 1 : Enable , 0 : Disable bit[3] : CPC enable , 1 : Enable , 0 : Disable bit[4] : LEA refresh mode en , 1 : Enable , 0 : Disable bit[5] : Orbit on/off , 1 : Enable , 0 : Disable	[Get VCP] 01 F5 Reply : 6E 88 02 00 F5 00 00 00 00 3C 7D bit[0] : OFF RS --> 0 : Disable bit[1] : JB --> 0 : Disable bit[2] : TPC enable --> 0 : Disable bit[3] : CPC enable --> 0 : Disable bit[4] : LEA refresh mode en --> 0 : Disable bit[5] : Orbit on/off --> 1 : Enable bit[7-6] : Orbit Type --> 1 : Type 2 	**N/A**

Requirement ID(S): 5.12.5.49			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	The 4 bytes for the current inside temperature value in the integer like below. MH / ML / SH / SL = 0000854Dh = 34125	[Get VCP] 01 E3	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

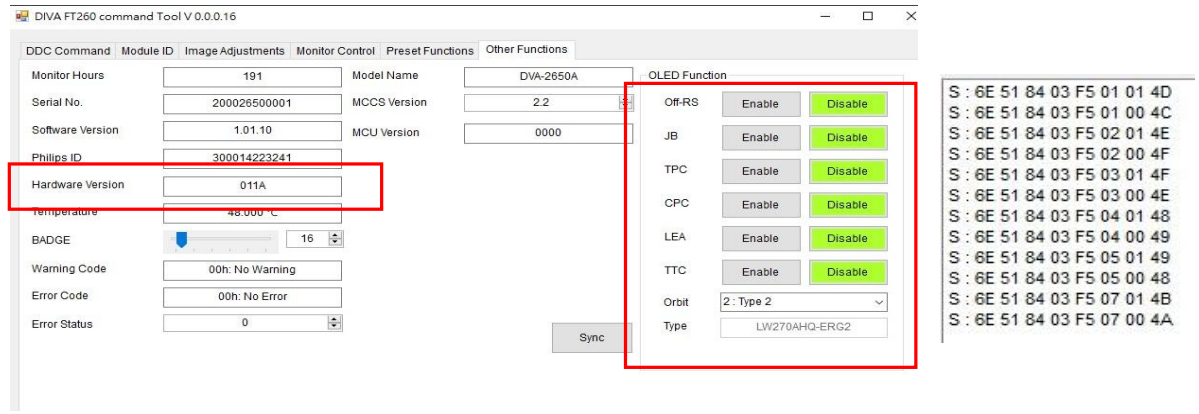
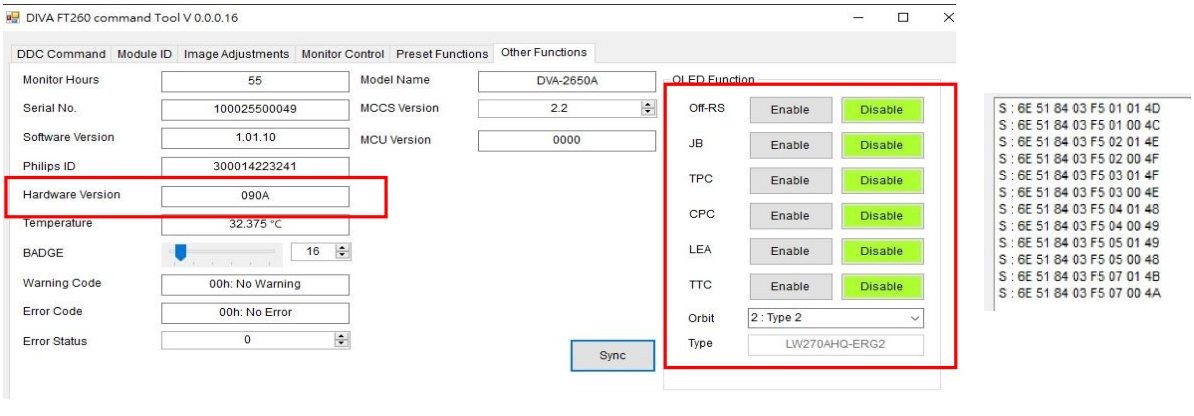
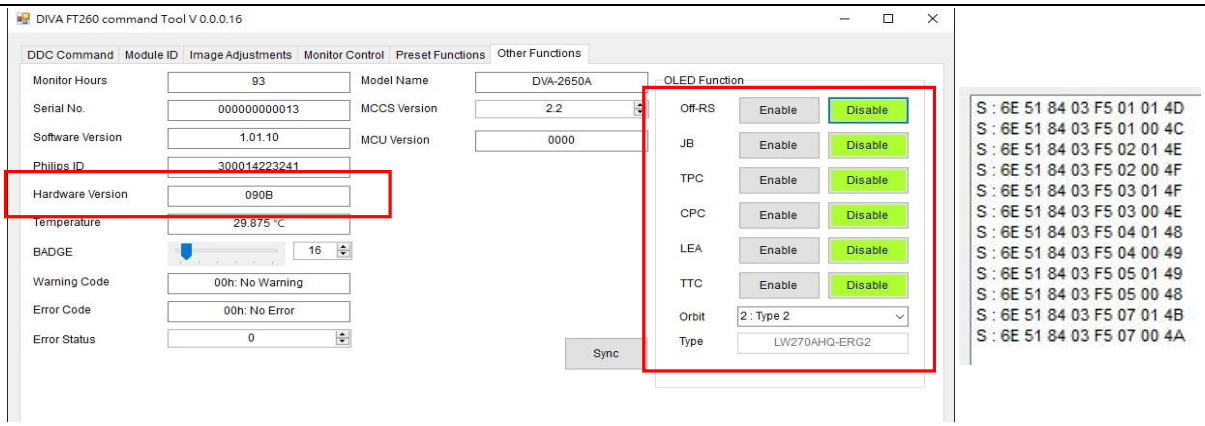
Hex	Name	Description	Setting data range and default value	Respond	Comments
E3h (ID:5.12.5.49)	Temperature	This command is used for the temperature of the monitor's hardware sensor in the display inside. This command can use it valid temperature range of 127 ~ -55 degrees.	The 4 bytes for the current inside temperature value in the integer like below. MH / ML / SH / SL = 0000854Dh = 34125 0x0001F018 = 127000 0x000061A8 = 25000 0x00000000 = 0 0xFFFFFFFF = -1 0xFFFF9E58 = -25000 0xFFFF2928 = -55000 The actual temperature is the obtained value divided by 1000. Example: MH / ML / SH / SL = 0x000061A8 = 25000	**FT260 Command Tools Example:** [Get VCP] 01 E3 Reply : 6E 88 02 00 E3 00 00 00 **9E 34** FD Temperature: 00 00 9E 34 -> 40.5°C 	**N/A**

Requirement ID(S): 5.12.5.50			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	SH = 00h SL = 1Eh - E6h (30d - 230d) * All other values are Data error. Default: 82h , 130d	[Set VCP] 03 90 00 82	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Hex	**Name**	**Description**	**Setting data range and default value**	**Respond**	**Comments**
90h (ID:5.12.5.50)	Tint	Also known as 'tint' Increasing (decreasing) this control increases (decreases) the wavelength of the color component of the video signal. The result is a shift towards red (blue) in the hue of all colors. This control applies to the currently active interface.	SH = 00h SL = 1Eh - E6h (30d - 230d) * All other values are Data error. Default: 82h , 130d	**FT260 Command Tools Example:** [Set VCP] 03 90 00 82 [Get VCP] 01 90 Reply : 6E 88 02 00 90 00 00 E6 **00 82** 40 00 82 --> 130 	N/A

TTC Command			Requirement Language:English		
Sample Number	**Serial/Lot Number**	**Expected Result**	**Actual Result**	**Pass / Fail**	**Comments**
EP sample	200026500001	[TTC Command] 03 F5 07 01 --> Enable TTC 03 F5 07 00 --> Disable TTC	[TTC Command] 03 F5 07 01 --> Enable TTC 03 F5 07 00 --> Disable TTC	**Pass**	N/A
IP1 sample	100025500049				
IP2 sample	000000000013				

Respond		**Comments**
TTC Command		N/A

OLED Function Command check		
	Respond	Pass / Fail
EP sample		Pass
IP1 sample		Pass
IP2 sample		Pass

Tester Name:	Jim Lin	Signature:	Jim Lin	Test Date:	2026/7/14