

Test 1	GUI Visualization					Comment
Precondition		Procedure description				
The Frontend Application is located on the Testmachine		The Frontend Application will be started and the components evaluated whether everything is displayed correctly.				
Components used during test		Checklist				
Component	Purpose / Label	No	Cases	Expected	Result	
Executable	Frontend	1-1	Frontend is clicked	Frontend-Window appears	OK	
Window	Frontend-Window	1-2	User Controls	shows Symbol, "NO CONNECTION", and Tooltip	OK	
Window	About	1-3	RaspberryPi List	located left sided of Frontend-Window and shows 1 columns (Name, Ip Address and is empty	OK	
Button	Collapse Arrow	1-4	System Message	located right sided of Frontend-Window and shows 2 columns (Origin, Text) and is empty	OK	
Button	Question mark	1-5	Collapse Arrow is clicked two times	RaspberryPi List first disappears and the windows shrinks then everything is as back to the state as before	OK	
Button	Add	1-6	Question Mark is located below RaspberryPi List and clicked	About windows appears Showing Team Logo, Development Details, and Partners	OK	
Table	RaspberryPi List	1-7	IP-Textbox	located above RaspberryPi List and is empty	OK	
Table	System Message	1-8	Add	located right of Ip-Textbox	OK	

Textbox	IP-Textbox	1-9	The Frontend-Window shape is manipulated by mouse drag on a corner of the bottom	everything is still visible and reacts responsive. The Table always show the columns on an appropriate width	FAIL	overlappings of ui-elements width/height needs to be adapted. (e.g. stop end Slider)
Grid	User Controls					

Test 3	GUI Visualization of User Controls					Comment
Precondition		Procedure description				
The Testmachine is connected to RasPi (see 2-1) and the Frontend Window visible.		The GUI components for User Controls will be evaluated whether everything is displayed correctly and behave as expected				
Components used during test		Checklist				
Component	Purpose / Label	No	Cases	Expected	Result	
Button	Push Button (PB)	3-1	PB, RSU, RSD, Cmb	Buttons are located in the top of User Controls Grid, horizontal and vertical aligning side by side (PB, RSU, RSD, Cmb)	OK	
Button	Rocker Switch UP (RSU)	3-2	PB-,RSU-,RSD-Checkbox	Are aliging with corresponding buttons below and centralized	OK	
Button	Rocker Switch Down (RSD)	3-3	Duration	is located above Cmb and displying "Short"	OK	
Button	Combination (Cmb)	3-4	Tcoil-Img, AS-Img, LED-Img, TCD/TCU, ASD/ADU, Check-LED	Images located below PB, RSU, RSD, CMB horizontal and vertical aligning side by side (Tcoil, AS,LED). Buttons are aliging with corresponding Images below and centralized	OK	

Button	TCOIL Detect / Undetect (TCD / TCU)	3-5	Update HI, Receiver ID, UHOK, ROK	Are aligning right of LED- Img. Receiver ID is Below Update HI and the corresponding OK buttones are aligning right of the combobox. Receiver ID shows "Small Right". Update HI is empty.	OK	Combobox shows only Models not the corresponding Family
Button	Audio Shoe Detect / Undetect (ASD / ADU)	3-6	AVC-Slider, EVC-U / EVC-D, AVC-Textbox, EVC-Textbox	Are aligning below TCU and ASU. EVC-Buttons are below AVC-Slider. AVC- Textbox is aligning left of the slider.	OK	
Button	Check LED	3-7	P-Slider, PON, POFF, P- Textbox	Are aligning right of AVC- Slider. P-Buttons are aligning right of P-Slider	OK	
Button	Endless VC Up / Down (EVC-U / EVC-D)	3-8	Click on Duratoin	Combobox opens containing "Short", "Medium", "Long"	OK	
Button	Power ON / OFF (PON / POFF)	3-9	Click on Receiver ID	Combobox opens containing "Small Right", "Small Left", ..., "Defective"	OK	
Button	Update HI OK (UHOK)	3-10	Click on Update Hi	Combobox opens containing a List of all HI Families and Models	N/A	
Button	Receiver ID Ok (ROK)	3-11	Drag AVC-Slider, P- Slider to the left and right	The Slider moves without delays	OK	

Slider	Analog Volume control (AVC)-Slider	3-12	Click on Information tab, then User Controls	The Tab changes showin a black grid and a button then again the User Controls Grid	OK
Slider	Power control (P)-Slider	3-13	AVC-Slider Captions	The Caption shows 0 % to 100 %	N/A
Textbox	AVC-Textbox	3-14	P-Slider Captions	The Caption shows 0 V to 1,5 V	OK
Textbox	Endless VC (EVC-Textbox)				
Textbox	Power-Textbox				
Combobox	Duration				
Combobox	Update Hi				
Combobox	Receiver ID				
Tab	User Controls				
Tab	Information				
Checkbox	PB-Checkbox				
Checkbox	RSU-Checkbox				
Checkbox	RSD-Checkbox				
Image	Tcoil-Img				
Image	Audio Show (AS)-Img				
Image	LED-Img				