



Wiliot Certificate Results

Summary

Run Information:

Run Time & Date: 27/08/2025, 11:33:36

Run Duration: 1:50:05

Certificate Version: local-dev

Tested Device Information:

Bridge BLE MAC Address: 6C9C83ED3E1F

Bridge Board Type: erm_v1

Bridge BLE Version: 4.4.96

Bridge Supported API Version: 12

Testing Device Information:

Simulator BLE MAC Address: 7E895C63A4D8

Simulator Board Type: fanstel_wifi_v0

Simulator BLE Version: 4.4.93

Simulator Supported API Version: 12

PASSED	SKIPPED	FAILED	TOTAL
24	0	4	28

Module	Name	Result	Compliance
Edge Management	Periodic Messages	PASSED	Mandatory
Edge Management	Bridge Actions	FAILED	Optional
Energizer 2.4GHz	Pattern	PASSED	Optional
Energizer 2.4GHz	Output Power	PASSED	Optional
Energizer 2.4GHz	Duty Cycle	PASSED	Optional
Energizer 2.4GHz	Signal Indicator	PASSED	Optional
Energizer Sub-1GHz	Pattern	PASSED	Optional
Energizer Sub-1GHz	Duty Cycle	PASSED	Optional
Energizer Sub-1GHz	Signal Indicator Configuration	PASSED	Optional
Datapath	RSSI Threshold	PASSED	Optional
Datapath	Pattern	PASSED	Optional

Datapath	Output Power	PASSED	Optional
Datapath	Pacer Interval	PASSED	Mandatory
Datapath	Pacer Interval BLE5	PASSED	Optional
Datapath	Packet Filter Gen2 Pixels	PASSED	Optional
Datapath	Packet Filter Gen3 Pixels	PASSED	Optional
Datapath	Packet Filter BLE5	PASSED	Optional
Datapath	Rx Channel	PASSED	Optional
Datapath	Rx Rate Gen2 Pixels	FAILED	Mandatory
Datapath	Rx Rate Gen3 Pixels	FAILED	Mandatory
Datapath	Pacer Interval Pixels Count	PASSED	Mandatory
Datapath	Pixels Aging	FAILED	Mandatory
Datapath	Supported Pixels	PASSED	Mandatory
Power Management	Power Management	PASSED	Optional
Calibration	Output Power	PASSED	Optional
Calibration	Interval	PASSED	Optional
Calibration	Pattern	PASSED	Optional
BLE Sensor	External Sensors	PASSED	Optional

Edge Management

Periodic Messages

PASSED

Test periodic messages (heartbeat and interface) sent from the bridge

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:13

Phase	Result	Notes
Pre Configuration	PASSED	
Test Body	PASSED	
Restore Configuration	PASSED	

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Bridge Actions

FAILED

Test bridge actions functionality

Tested devices: 6C9C83ED3E1F

Test duration: 0:04:08

Phase	Result	Notes
Pre Configuration	PASSED	
Action Gw Hb	PASSED	
Action Blink	PASSED	
Action Send Hb	PASSED	
Action Get Battery Sensor	FAILED	Didn't find battery sensor data packet within 10 seconds
Action Get Pof Data	PASSED	
Action PI Status	PASSED	
Action Get Module	PASSED	
Action Reboot	FAILED	['ModuleIfV12', 'ModuleDatapathV12'] not received in 40 sec
Action Restore Defaults	FAILED	Didn't receive ActionGetModuleV1 2 pkt after 10 seconds!
Restore Configuration	PASSED	

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Energizer 2.4GHz Module

Pattern

PASSED

Test configuration for all supported Energizer 2.4GHz pattern values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:25

Phase	Result	Notes
Pre Configuration	PASSED	
Energy Pattern 2.4 No Energizing	PASSED	
Energy Pattern 2.4 Channel 37	PASSED	
Energy Pattern 2.4 Channel 38	PASSED	
Energy Pattern 2.4 Channel 39	PASSED	
Energy Pattern 2.4 Freq 2450	PASSED	
Energy Pattern 2.4 Freq 2454	PASSED	
Restore Configuration	PASSED	

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Output Power

PASSED

Test configuration for all supported Energizer 2.4GHz output power values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:23

Phase	Result	Notes
Pre Configuration	PASSED	
-12	PASSED	
-8	PASSED	
-4	PASSED	
0	PASSED	
2	PASSED	
3	PASSED	
Restore Configuration	PASSED	

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Duty Cycle

PASSED

Test configuration for supported Energizer 2.4GHz duty cycle values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:15

Phase	Result	Notes
Pre Configuration	PASSED	
1	PASSED	
25	PASSED	
50	PASSED	
75	PASSED	
Restore Configuration	PASSED	

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Signal Indicator

PASSED

Test functionality for supported Energizer 2.4GHz signal indicator cycle & repetitions sets of values

Tested devices: 6C9C83ED3E1F 7E895C63A4D8

Test duration: 0:06:20

Phase	Result	Notes
Pre Configuration	PASSED	
Rssi Threshold	PASSED	
Brg0 Rx Brg1 Tx	PASSED	
Brg0 None Brg1 Rx	PASSED	
Brg0 Rxtx Brg1 Rxtx	PASSED	
Brg0 Tx Brg1 None	PASSED	
Restore Configuration	PASSED	

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Energizer Sub-1GHz Module

Pattern

PASSED

Test configuration for all supported energy_sub1g pattern values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:18

Phase	Result	Notes
Pre Configuration	PASSED	
Sub1g Energy Pattern No Energizing	PASSED	
Sub1g Energy Pattern Single Tone 915000	PASSED	
Sub1g Energy Pattern Fcc Hopping	PASSED	
Sub1g Energy Pattern Japan 1w	SKIPPED	
Sub1g Energy Pattern Japan 350mw	SKIPPED	
Sub1g Energy Pattern Korea	SKIPPED	
Sub1g Energy Pattern Single Tone 916300	SKIPPED	
Sub1g Energy Pattern Single Tone 917500	PASSED	
Sub1g Energy Pattern Australia	SKIPPED	
Sub1g Energy Pattern Israel	SKIPPED	
Sub1g Energy Pattern Nz Hopping	PASSED	
Restore Configuration	PASSED	

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Duty Cycle

PASSED

Test configuration for supported energy_sub1g duty cycle & bridge cycle sets of values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:15

Phase	Result	Notes
Pre Configuration	PASSED	
15	PASSED	
20	PASSED	
40	PASSED	
0	PASSED	
Restore Configuration	PASSED	

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Signal Indicator Configuration

PASSED

Test configuration for supported energy_sub1g signal indicator cycle & repetitions sets of values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:12

Phase	Result	Notes
Pre Configuration	PASSED	
[60, 4]	PASSED	
[100, 3]	PASSED	
Restore Configuration	PASSED	

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Datapath Module

RSSI Threshold

PASSED

Test RSSI threshold configuration and functionality in the bridge

Tested devices: 6C9C83ED3E1F

Test duration: 0:03:41

Phase	Result	Notes
Pre Configuration	PASSED	
-80	PASSED	
-65	PASSED	
-10	PASSED	
Restore Configuration	PASSED	

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Pattern

PASSED

Test configuration for all supported communication pattern values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:09

Phase	Result	Notes
Pre Configuration	PASSED	
Datapath Pattern Standard	SKIPPED	
Datapath Pattern 38 38 39	PASSED	
Datapath Pattern Eu Pattern	PASSED	
Restore Configuration	PASSED	

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Output Power

PASSED

Test configuration for all supported datapath output power values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:21

Phase	Result	Notes
Pre Configuration	PASSED	
-12	PASSED	
-8	PASSED	
-4	PASSED	
0	PASSED	
2	PASSED	
3	PASSED	
Restore Configuration	PASSED	

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Pacer Interval

PASSED

Test pacer interval feature configuration and functionality in the bridge for different pacer interval values

Tested devices: 6C9C83ED3E1F

Test duration: 0:07:55

Phase	Result	Notes
Pre Configuration	PASSED	
5	PASSED	
10	SKIPPED	
15	PASSED	
30	PASSED	
60	PASSED	
Restore Configuration	PASSED	

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Pacer Interval BLE5

PASSED

Test pacer interval feature configuration and functionality in the bridge with BLE_5.0 packets for different pacer interval values

Tested devices: 6C9C83ED3E1F

Test duration: 0:09:10

Phase	Result	Notes
Pre Configuration	PASSED	
5	PASSED	
15	PASSED	
30	PASSED	
60	PASSED	
Restore Configuration	PASSED	

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Packet Filter Gen2 Pixels

PASSED

Test packet filter feature configuration and functionality in the bridge for different packet filters

Tested devices: 6C9C83ED3E1F

Test duration: 0:06:09

Phase	Result	Notes
Pre Configuration	PASSED	
Pkt Filter Random First Arriving Pkt	PASSED	
Pkt Filter Disable Forwarding	PASSED	
Pkt Filter Temp Pkt	PASSED	
Pkt Filter Temp And Advanced Pkts	PASSED	
Pkt Filter Temp Advanced And Debug Pkts	PASSED	
Restore Configuration	PASSED	

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Packet Filter Gen3 Pixels

PASSED

Test the packet filter feature configuration and functionality in the bridge for different packet filters with Gen3 data packets

Tested devices: 6C9C83ED3E1F

Test duration: 0:04:55

Phase	Result	Notes
Pre Configuration	PASSED	
Pkt Filter Random First Arriving Pkt	PASSED	
Pkt Filter Disable Forwarding	PASSED	
Pkt Filter Temp Pkt	PASSED	
Pkt Filter Temp And Advanced Pkts	PASSED	
Restore Configuration	PASSED	

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Packet Filter BLE5

PASSED

Test packet filter feature configuration and functionality in the bridge for different packet filters using BLE_5.0

Tested devices: 6C9C83ED3E1F

Test duration: 0:06:09

Phase	Result	Notes
Pre Configuration	PASSED	
Pkt Filter Random First Arriving Pkt	PASSED	
Pkt Filter Disable Forwarding	PASSED	
Pkt Filter Temp Pkt	PASSED	
Pkt Filter Temp And Advanced Pkts	PASSED	
Pkt Filter Temp Advanced And Debug Pkts	SKIPPED	
Restore Configuration	PASSED	

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Rx Channel

PASSED

Test configuration for all supported datapath rx channel values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:48

Phase	Result	Notes
Pre Configuration	PASSED	
Rx Channel 37	PASSED	
Rx Channel 38	PASSED	
Rx Channel 39	PASSED	
Rx Channel 10 250k	PASSED	
Rx Channel 10 500k	PASSED	
Restore Configuration	PASSED	

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Rx Rate Gen2 Pixels

FAILED

Verify the accuracy of the RX rate value

Tested devices: 6C9C83ED3E1F

Test duration: 0:08:05

Phase	Result	Notes
Pre Configuration	PASSED	
Mid Values	PASSED	
Diff Pacer	PASSED	
Min Value	PASSED	
Max Value	PASSED	
Diff Rate	FAILED	Didn't find the correct gap according to alpha filter calculation
Restore Configuration	PASSED	

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Rx Rate Gen3 Pixels

FAILED

Verify the accuracy of the RX rate value

Tested devices: 6C9C83ED3E1F

Test duration: 0:08:06

Phase	Result	Notes
Pre Configuration	PASSED	
Mid Values	PASSED	
Diff Pacer	PASSED	
Min Value	PASSED	
Max Value	PASSED	
Diff Rate	FAILED	Didn't find the correct gap according to alpha filter calculation
Restore Configuration	PASSED	

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Pacer Interval Pixels Count

PASSED

Test pixels handling in the bridge for different pacer interval values

Tested devices: 6C9C83ED3E1F

Test duration: 0:08:32

Phase	Result	Notes
Pre Configuration	PASSED	
1	PASSED	
10	PASSED	
15	PASSED	
30	PASSED	
Restore Configuration	PASSED	

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Pixels Aging

FAILED

verify the functionality of the aging mechanism in the bridge for low and high pacer intervals

Tested devices: 6C9C83ED3E1F

Test duration: 0:11:24

Phase	Result	Notes
Pre Configuration	PASSED	
Low Pacer	FAILED	The last counter value is not zero
High Pacer	FAILED	The last counter value is not zero
Restore Configuration	PASSED	

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Supported Pixels

PASSED

Test pixels handling in the bridge for different amount of pixels

Tested devices: 6C9C83ED3E1F

Test duration: 0:11:18

Phase	Result	Notes
Pre Configuration	PASSED	
500	SKIPPED	
1000	SKIPPED	
2500	SKIPPED	
5000	PASSED	
Restore Configuration	PASSED	

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Power Management Module

Power Management

PASSED

Validate the bridge power management functionality

Tested devices: 6C9C83ED3E1F

Test duration: 0:01:36

Phase	Result	Notes
Pre Configuration	PASSED	
Test Body	PASSED	
Restore Configuration	PASSED	

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Calibration Module

Output Power

PASSED

Test configuration for all supported calibration output power values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:22

Phase	Result	Notes
Pre Configuration	PASSED	
-12	PASSED	
-8	PASSED	
-4	PASSED	
0	PASSED	
2	PASSED	
3	PASSED	
Restore Configuration	PASSED	

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Interval

PASSED

Test configuration for all supported calibration interval values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:15

Phase	Result	Notes
Pre Configuration	PASSED	
1	PASSED	
25	PASSED	
50	PASSED	
100	SKIPPED	
255	SKIPPED	
Restore Configuration	PASSED	

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Pattern

PASSED

Test configuration for all supported calibration pattern values

Tested devices: 6C9C83ED3E1F

Test duration: 0:00:18

Phase	Result	Notes
Pre Configuration	PASSED	
Calibration Pattern Standard	PASSED	
Calibration Pattern 38 38 39	PASSED	
Calibration Pattern Eu Pattern	PASSED	
Calibration Pattern Disable Beacon	PASSED	
Restore Configuration	PASSED	

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BLE Sensor Module

External Sensors

PASSED

Verify the external_sensor module functionality - configuration, data collection and data transmission.

Tested devices: 6C9C83ED3E1F

Test duration: 0:06:33

Phase	Result	Notes
Pre Configuration	PASSED	
Tag Data Only	PASSED	
Rssi Threshold	PASSED	
Snsr0 No Scrambl	PASSED	
Snsr1 Scrambl	PASSED	
Snsr0 Scrambl Snsr1 No Scrambl	PASSED	
Snsr0 Scrambl Snsr1 Scrambl	PASSED	
Restore Configuration	PASSED	

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