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Update ECO Certification Request

Request #: 79212
 Status: **Approved**
 Submitter: Michal Hejl
 Date Submitted: 5/20/2019
 Date Approved: 8/26/2019
 Request Type: ECO Certification Request
 Manufacturer: Advantech B+B SmartWorx
 Model Name/Number: ICR-3211
 Device Type: Integrated Device

Check this box if only the Integrated Device's software is changing and the changes do not require testing as outlined in PPMD. Testing shall not be required.

Antenna Type: External

External Antenna less than 20 cm away: No

Is this an IoT device? No

Technologies/Bands:	GSM	850 MHz	900 MHz	1800 MHz	1900 MHz		
	E-UTRA FDD	Band 1	Band 2	Band 3	Band 4	Band 5	Band 8
		Band 12	Band 13	Band 18	Band 19	Band 20	Band 26
		Band 28					
	E-UTRA TDD	Band 39					
	Additional/Other Bands	None					

IMEI TAC: 86642503 - Quectel

MODULE INFORMATION

Module Request #: [74336](#)
 Module Manufacturer: Quectel
 Module Model Name/Number: BG96
 Module HW Version: R1.1
 Module SW Version: BG96MAR02A07MIG
 Module SVN: 07
 Module Waiver
 Module Regulatory Approval IDs:

FCC [XMR201707BG96](#) United States
ICTA 10224A-201709BG96 Canada

Module IMEI TAC: 86642503
86844603
86206104
86278504

Module Date Certified: 02-Nov-18

Module Features:

GPRS Multislot Class: Class 12
EGPRS Multislot Class: Class 12

Regulatory Approval IDs:

Type	ID	Issuing Country
FCC	XMR201707BG96	United States
ICTA	10224A-201709BG96	Canada

HW Version: 1.0
SW Version: 6.2.0

Description of Change: added Automatic updated improvement added VLAN tagging for PPPOE added Advantech Logo in Web UI added Radius client added Brute force attack protection added Load balancing - backup routes support (ipv4) added Interoperation with Checkpoint FW - PKCS12 added Hardware flow control XC:RS232 Replaced vrrpd with keeplived for v2 and V3 Updated OpenVPN to 2.4.x updated Kernel to 4.14.x

Point of Contact (POC): Michal Hejl
POC E-mail: michal.hejl@advantech-bb.cz
POC Phone: +420 737 202 615

PARENT PRODUCT INFORMATION

Parent Request #: [78378](#)
Parent Model Name/Number: ICR-3211
Parent HW Version: 1.0
Parent SW Version: 6.1.9
Parent Date Certified: 05/17/2019

Features:

- A-GNSS
- GNSS
- AMR-NB
- AMR-WB
- AT Commands
- Bluetooth
- CDMA2000
- Circuit Switched Voice
- DARP
- EGPRS Multislot Class
- FUMO
- GAN/UMA
- GPRS Multislot Class
- HAC M-Rating
- HSDPA T-Rating (Optional)

- HSUPA
- IMPS
- ISM
- Java Version
- LTE UE Downlink Category
- LTE UE Uplink Category
- LwM2M
- MIMO Downlink
- MIMO Uplink
- MMS Release
- Multi-SIM Support Number Feature
- OMA_Browsing
- OMA PoC
- OMA DM
- OMA SUPL
- Remote SIM Provisioning eSIM OS Vendor (e.g. Gemalto, G&D, etc.)
- RX Diversity
- SCOMO
- STK SIM
- STK USIM
- TD-SCDMA
- TTY
- Video Telephony
- UICC-Based NFC
- VoLTE
- WAP Version
- Wi-Fi

Publish Options:

- Publish when certified
- Publish days after certification

Amount of information to be published:



- Basic
- Detailed

Primary Lab: 7layers GmbH
 POC: Dirk Bratsch
 NAPRD.03 Version: 5.37
 GCF-CC Version:



GSM Test		
Lab	Dates	Status
	Actual Start Date: 08/26/2019 Finish Date: 08/26/2019 Reported Date: 08/26/2019	Complete - No Testing 3GPP TS 51.010 Version: v13.7.0 Category E Test Case Failures: No

GSM Test Results



Key: ✓ - Approved / - - Not Yet Approved / ✗ - Rejected

E-UTRA Test		
Lab	Dates	Status
	Actual Start Date: 08/26/2019 Finish Date: 08/26/2019	Complete - No Testing 3GPP TS 36.521 Version: 15.5.0 3GPP TS 36.523 Version: 15.5.0 Category E Test Case Failures: No
E-UTRA Test Results		
  Justification for No Testing		



Key: ✓ - Approved / - - Not Yet Approved / ✗ - Rejected

AT Commands Test		
Lab	Dates	Status
	Actual Start Date: 08/26/2019 Finish Date: 08/26/2019	Complete - No Testing Test Plan Version: 5.37 Category E Test Case Failures: No
AT Commands Test Results		
  Justification for No Testing		

Key: ✓ - Approved / - - Not Yet Approved / ✗ - Rejected


Category M Test		
Lab	Dates	Status
	Actual Start Date: 08/26/2019 Finish Date: 08/26/2019	Complete - No Testing Test Plan Version: N/A Category E Test Case Failures: No
Category M Test Results		
  Justification for No Testing		




Key: ✓ - Approved / - - Not Yet Approved / ✗ - Rejected

GNSS Test		
Lab	Dates	Status
	Actual Start Date: 08/26/2019 Finish Date: 08/26/2019	Complete - No Testing Test Plan Version: 15.0.0 Was OTA Performance testing performed? No Reason testing was not performed: Device meets 20 cm clause per appendix O.6 of CTIA Test Category E Test Case Failures: No
GNSS Test Results		
  Justification for No Testing		

Key: ✓ - Approved / - - Not Yet Approved / ✗ - Rejected

NB IOT Test		
Lab	Dates	Status
	Actual Start Date: 08/26/2019 Finish Date: 08/26/2019	Complete - No Testing Test Plan Version: N/A Category E Test Case Failures: No

 Justification for No Testing

Key:  - Approved /  - Not Yet Approved /  - Rejected

SISO OTA Performance Test		
Lab	Dates	Status
	Actual Start Date: 08/26/2019 Finish Date: 08/26/2019	Complete - No Testing Test Plan Version: 3.7.1 LTE Single-Antenna Receiver: <input type="checkbox"/> Was OTA Performance testing performed? No Reason testing was not performed: Device meets 20 cm clause per appendix O.6 of CTIA Test

SISO OTA Performance Test Results

 Justification for No Testing

Key:  - Approved /  - Not Yet Approved /  - Rejected

Converged Device Test		
Lab	Dates	Status
	Actual Start Date: 08/26/2019 Finish Date: 08/26/2019	Complete - No Testing Test Plan Version: N/A

Converged Device Test Results

 Justification for No Testing

Key:  - Approved /  - Not Yet Approved /  - Rejected