

6 Qualification and approvals

6.1 Reliability tests

Reliability tests for LARA-R6 series modules are executed according to u-blox qualification policy, based on AEC-Q104 standard.

6.2 Approvals

LARA-R6 series modules comply with the Directive 2011/65/EU of the European Parliament and the Council on the Restriction of Use of certain Hazardous Substances in Electrical and Electronic Equipment (EU RoHS 2) and its amendment Directive (EU) 2015/863 (EU RoHS 3).

LARA-R6 series modules are RoHS 3 compliant.


No natural rubbers, hygroscopic materials, or materials containing asbestos are employed.

[Table 35](#) summarizes the main approvals for LARA-R6 series modules.

Certification scheme	LARA-R6001	LARA-R6001D	LARA-R6401	LARA-R6401D	LARA-R6801
GCF conformance	•	•	•	•	•
PTCRB conformance	•	•	•	•	
CE (Europe)	•	•			•
FCC (United States)	• ¹³	• ¹³	•	•	
FCC ID	XPYUBX21BE01	XPYUBX21BE01	XPYUBX21BE02	XPYUBX21BE02	
ISED (Canada)	•	•	•	•	
ISED certification number	8595A-UBX21BE01	8595A-UBX21BE01	8595A-UBX21BE02	8595A-UBX21BE02	
NCC (Taiwan)	•	•			•
ACMA RCM (Australia)	•	•			•
GITEKI (Japan)	•	•			•
ANATEL (Brazil)	○	○			○
KC (South Korea)	○	○			○
AT&T	○	•	•	•	
FirstNet			•	•	
Verizon	○	○	•	•	
T-Mobile US			○	○	
Vodafone	○	○			○
Deutsche Telekom	○	○			○
Telefonica	○	○			○
Telstra					○
NTT DoCoMo	○	○			○
SoftBank Mobile	○	○			○
KDDI	○	○			○

• = Available with initial product versions ○ = Planned for future product versions

Table 35: LARA-R6 series main certification approvals summary

 The above listed certifications might not be available for all the different product type numbers. Please contact the u-blox office or sales representative nearest you for the complete list of certification approvals available for the selected product ordering number.

¹³ FCC grant includes the US 900 MHz frequency spectrum within LTE band 8, enabling access to Anterix LTE private network