

Aava Mobile Oy

Federal Communications Commission
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Columbia MD 21046

C.C.: Kiwa Netherlands B.V., Dept. FCC TCB
Wilmersdorf 50
7327 AC Apeldoorn
The Netherlands

Subject: Requesting Class II permissive change for FCC ID: 2ABVH-AX211D2W
To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for FCC ID: 2ABVH-AX211D2W, original granted on 12/14/2023.

The major change field under this application is:

1. The subject approved module is being used in a portable configuration- a Tablet (Brand name/Model: AAVA / INARI-D-10-WIG-1), the distance between antenna and human body is 0 mm and the original module report the distance is 14 mm. SAR testing was performed to demonstrate RF compliance.
2. The difference compared with the original module design is antenna change. Two groups antennas are used for the subject approved module in the Tablet as below listed.
Original module:

ANTENNA INFORMATION	
ANTENNA DESCRIPTION	GAIN (dBi) or Integral
SkyCross reference Antenna(s)- Type PIFA @ 14mm	
2400-2484 MHz	3.24 dBi
5150-5250 MHz	3.64 dBi
5250-5350 MHz	3.73 dBi
5470-5725 MHz	4.77 dBi
5725-5850 MHz	4.97 dBi
5850-5895 MHz	4.54 dBi
Antenna - Intel Reference for WiFi 6E @ 14mm	
6.2 GHz	4.83 dBi
6.5 GHz	4.30 dBi
6.6 GHz	5.37 dBi
7.0 GHz	5.59 dBi

Tablet :

Ant.	Brand	Part Number	Type	Frequency Range	Gain (dBi)
Main (WiFi Chain A +BT)	Pulse	W3006	Chip	2400-2500	-0.6
				5150-5850	3.0
				5925-7125	2.8
Aux (WiFi Chain B)	Pulse	W3006	Chip	2400-2500	1.2
				5150-5850	3.0
				5925-7125	3.0

3. For the Tablet , since it is client without DFS radar detection capability, detection threshold as set to the module remains identical, and would deactivate the link as it is operated with AP only, DFS test can be excluded.
4. Module has been assessed with 0dBi for the contention based protocol, so that the filing does not re-evaluate this part.
5. Reduce the Output Power through software, and SAR measurement was evaluated.
6. The host does not support the beamforming and carrier aggregation mode (non-contiguous).

Please contact me if you have any questions or need further information regarding this application.

Best Regards

Name: Antti Aho
Title: Manager, Validation & Certification
Date: 2024-01-02
Signed: 