

SPOT CHECK EVALUATION

FCC ID : 2ABVH-INARI10B2
Equipment : Tablet
Brand Name : AAVA
Model Name : INARI10B-LTG-1
Applicant : Aava Mobile Oy
NAHKATEHTAANKATU 2 90130 OULU FINLAND
Manufacturer : Aava Mobile Oy
NAHKATEHTAANKATU 2 90130 OULU FINLAND
Standard : FCC Part 15 Subpart C §15.247
FCC Part 15 Subpart C §15.225

The product was received on Jun. 06, 2019 and testing was started from Jul. 09, 2019 and completed on Jul. 16, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Jones Tsai

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History of this test report

Version	Description	Issued Date
01	Initial issue of report	Jul. 31, 2019



1. Introduction Section

The original model (FCC ID: 2ABVH-INARI10B1) and the variant model (FCC ID: 2ABVH-INARI10B2) has identical PCB layout, antenna, SW implementation for Bluetooth/Wi-Fi. Based on their similarity, the FCC Part 15C (equipment class: DTS, DSS) test data issued for original model also apply for the variant model.

The applicant takes full responsibility that the test data as referenced in section 3 below represent compliance for this FCC ID (FCC ID: 2ABVH-INARI10B2).



2. Difference Section

The original model : Inari10B-WIG-1 (FCC ID: 2ABVH-INARI10B1) and the variant model : Inari10B-LTG-1 (FCC ID: 2ABVH-INARI10B2) has identical PCB layout, antenna, SW implementation for Bluetooth/Wi-Fi. The details of similarity and difference can be found in the Operating Description.

The product specification is outlined in the following table:

FCC ID		2ABVH-INARI10B1	2ABVH-INARI10B2
Wireless Tech	Mode	Frequency (MHz)	
Wi-Fi	11b/11g/11n(HT20)/11n(HT40)	2412-2462 MHz	2412-2462 MHz
	11a/11n(HT20)/11n(HT40)/11ac(VHT20)/ 11ac(VHT40)/11ac(VHT80)	5180-5240 MHz	5180-5240 MHz
		5260-5320 MHz	5260-5320 MHz
		5500-5720 MHz	5500-5720 MHz
		5745-5825 MHz	5745-5825 MHz
Bluetooth	BR/EDR/LE	2402-2480 MHz	2402-2480 MHz
NFC	NFC	13.56MHz	13.56MHz
WWAN	WWAN	NA	WCDMA2, 4, 5 LTE2, 4, 5, 7, 12, 13, 17, 25, 26, 30, 38, 41, 66

3. Spot Check Verification Data Section

Summary of the spot check:

Test Item	Mode	2ABVH-INARI10B1 Worst Result	2ABVH-INARI10B2 Worst Result	Difference (dB)
Average Conducted Power (dBm)	Bluetooth (BR/EDR)	10.18	10.37	0.19
	Bluetooth (LE)	5.36	5.27	-0.09
	802.11b	16.64	16.41	-0.23
	802.11g	16.72	16.57	-0.15
Peak Radiated Spurious Emission (Band Edge) (dBuV/m)	Bluetooth (BR/EDR) ch78	56.00	58.15	2.15
	Bluetooth (LE) ch39	58.71	60.44	1.73
	802.11g ch01	66.55	56.41	-10.14
Average Radiated Spurious Emission (Band Edge) (dBuV/m)	Bluetooth (BR/EDR)	31.21	33.36	2.15
	Bluetooth (LE)	49.57	51.5	1.93
	802.11g	50.96	46.14	-4.82
QP Radiated Spurious Emission Field Strength (dBuV/m)	NFC 13.56MHz	22.95	21.77	-1.18
3m to 30m distance extrapolation factor : -40				

**Conclusion:**

WLAN Radiated spurious emission test against the variant model for non-cellular part based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

Based on the spot check test result, the test data from the original model is representative for the variant model.

The unwanted, harmonics, radiated spurious emission is reported peak measurement only due to spurious lower than 20dB than the limit.

The detail test results can be found in this document, original report Appendix A~B, hereafter.

END of this report