



SPOT CHECK EVALUATION

FCC ID : UZ7MC220J
Equipment : Mobile computer
Brand Name : Zebra
Model Name : MC220J
Applicant : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742
Manufacturer : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742
Standard : FCC Part 15 Subpart C §15.247
FCC Part 15 Subpart E §15.407

The product was received on Jun. 12, 2020 and testing was started from Jun. 30, 2020 and completed on Aug. 21, 2020. 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 test results in this spot check data 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.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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History of this test report

Version	Description	Issued Date
01	Initial issue of report	Sep. 08, 2020



1. Introduction Section

The FCC ID: UZ7MC220K (original model) and FCC ID: UZ7MC220J (variant model) are HW identical except the NFC function and camera. Other than these two items, the RF and antenna design is the same. Based on their similarity, the FCC Part 15C (equipment class: DTS, DSS) and FCC Part 15E (equipment class: NII) reuse the original model's result and do spot-check, following the FCC KDB 484596 D01 v01.

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID (FCC ID: UZ7MC220J).



2. Difference Section

The difference between UZ7MC220K and UZ7MC220J are NFC function and camera.

Other than these two items, the RF and antenna design is the same.

The details of similarity and difference can be found in confidential documents.



3. Spot Check Verification Data Section

Conducted power test and radiated spurious emission test against the variant model 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. Detail spot check test result can be found in the variant model reports, please refer to detail section table in section 4.

Summary of the spot check:

Test Item	Mode	UZ7MC220K Parent Worst Result	UZ7MC220J Variant Worst Result	Difference (dB)
Conducted Power (dBm)	BT-3DH1	10.25	10.24	-0.01
	BLE5.0 (2Mbps)	7.8	7.2	-0.6
	WLAN 2.4G (SISO)	20.7	20.3	-0.4
	WLAN 5G B1-3 (SISO)	22.2	22.2	0
	WLAN 5G B4 (SISO)	21.3	21.0	-0.3
Radiated Spurious Emission (dBuV/m)	BT-3DH1	50.58	48.41	-2.17
	BLE5.0 (2Mbps)	56.84	54.26	-2.32
	WLAN 2.4G (SISO)	63.77	63.17	-0.6
	WLAN 5G B1-3 (SISO)	66.84	66.88	0.04
	WLAN 5G B4 (SISO)	90.83	88.88	-1.95



4. Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Reference FCC ID (Parent)	Type Grant/ Permissive Change	Reference Title	FCC ID Filling (Variant)
15C	DTS	Bluetooth-LE Wi-Fi	2400~2483.5	UZ7MC220K	Original Grant	FR040803-02B FR040803-02C	UZ7MC220J
	DSS	Bluetooth	2400~2483.5	UZ7MC220K	Original Grant	FR040803-02A	UZ7MC220J
15E	NII	Wi-Fi	5150~5250 5250~5350 5470~5725 5725~5850	UZ7MC220K	Original Grant	FR040803-02E FR040803-02F	UZ7MC220J
		DFS	5250~5350 5470~5725	UZ7MC220K	Original Grant	FZ040803-02	UZ7MC220J

END of this report