



SPOT CHECK EVALUATION

FCC ID : UZ7MC27BJ
Equipment : Mobile computer
Brand Name : Zebra
Model Name : MC27BJ
Applicant : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742
Manufacturer : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742
Standard : FCC Part 22H/24E/27

The product was received on Dec. 06, 2019 and testing was started from Jan. 28, 2020 and completed on Sep. 04, 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 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

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
1. Introduction Section	4
2. Difference Section	5
3. Spot Check Verification Data Section	6
4. Reference detail Section	7
5. Testing Location.....	8



History of this test report

Version	Description	Issued Date
01	Initial issue of report	May 05, 2020
02	Add testing location information	Nov. 10, 2020



1. Introduction Section

The FCC ID: UZ7MC27BK (original model) and FCC ID: UZ7MC27BJ (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 22H/24E/27 (equipment class: PCB) 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: UZ7MC27BJ).



2. Difference Section

The difference between UZ7MC27BK and UZ7MC27BJ are NFC function and camera.

The details of similarity and difference can be found in Operation Description.



3. Spot Check Verification Data Section

Radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing and the verification test results Similar to the original FCC ID. Detail spot check test result can be found in the variant model report, please refer to detail section table in section 4.

Based on the same WWAN Chipset, the same conducted power of MC27BK was used for the following verification.

Summary of the spot check:

Test Item	Mode	UZ7MC27BK Worst Result	UZ7MC27BJ Worst Result	Difference (dB)
WWAN				
Radiated Spurious Emission (Harmonic) (dBuV/m)	WWAN GSM(GPRS)(EDGE)850	-28.87	-29.14	-0.27
	WWAN GSM(GPRS)(EDGE)1900	-33.67	-33.13	0.54
	WWAN WCDMA Band 2	-52.75	-52.99	-0.24
	WWAN WCDMA Band 4	-53.88	-54.35	-0.47
	WWAN WCDMA Band 5	-43.74	-47.57	-3.83
	WWAN LTE Band 2	-51.64	-52.53	-0.89
	WWAN LTE Band 4	-48.44	-44.23	4.21
	WWAN LTE Band 5	-44.69	-41.63	3.06
	WWAN LTE Band 7	-47.3	-43.54	3.76
	WWAN LTE Band 38	-37.45	-38.55	-1.1
	WWAN LTE Band 41	-33.06	-32.66	0.4



4. Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Reference FCC ID	Type Grant/Permissive Change	Reference Report Title	Reference Application
Part 22.24.27	PCB	GSM WCDMA	GSM(GPRS)850/1900 WCDMA B2/4/5	UZ7MC27BK	Original Grant	FG052913-02A	UZ7MC27BJ
		LTE	LTE B2/4/5/7/38/41	UZ7MC27BK	Original Grant	FG052913-02B	UZ7MC27BJ



5. Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	
	TH03-HY	03CH07-HY

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190

END of this report