



**ZEBRA**

**Regulatory Engineering**

Date: September 4, 2018

Federal Communications Commission  
Office of Engineering and Technology  
Equipment Authorization Division  
7435 Oakland Mills Road  
Columbia, MD 21046

Ref: FCC ID: UZ7TC77HL

## ***AUTHORIZATION LETTER***

We, the undersigned, hereby authorize Jones Tsai in Sporton International Inc. to act on our behalf in all manners relating to FCC application for equipment authorization, including signing of all documents relating to these matters. Any and all acts carried out by Jones Tsai in Sporton International Inc. on our behalf shall have the same effect as acts of our own.

If you have any acknowledgement and response, please send it to Sporton International Inc. directly. Should you have any questions or comments regarding this matter, please don't hesitate to contact me.

## ***Confidentiality Request***

Pursuant to the provisions of Sections 0.457 and 0.459 of Commission's rules (47CFR§§0.457, 0.459), we are requesting the Commission to withhold the following attachment(s) as confidential document from public disclosure indefinitely.

- Schematic Diagram
- Block Diagram
- Part List
- Operational Description
- Tune-up Procedure

Above mentioned document contains detailed system and equipment description are considered as proprietary information in operation of the equipment. The public disclosure of above documents might be harmful to our company and would give competitor an unfair advantage in the market.

In additional to above mentioned documents, pursuant to Public Notice DA 04-1705 of the Commission's policy, in order to comply with the marketing regulations in 47 CFT §2.803 and the importation rules in 47 CFR §2.1204, while ensuring that business sensitive information remains confidential until the actual marketing of newly authorized devices. We are requesting the commission to grant short-term confidentiality request on the following attachment(s) for 180 days after the grant as outlined in Public Notice DA 04-1705.

***Zebra Technologies Corporation***

1 Zebra Plaza, | Holtsville, NY 11742 | 1.631.738.2400 phone | 1.631.627.7179 fax | [www.zebra.com](http://www.zebra.com)



- External Photos
- Internal Photos
- Test Setup Photos
- User Manual

It is our understanding that all measurement test reports, FCC ID label format and correspondent during certification review process cannot be granted as confidential documents and those information will be available for public review once the grant of equipment authorization is issued.

### ***MIF for HAC RF Interference Evaluation***


This device, with FCC ID: UZ7TC77HL, Hearing Aid Compatibility Requirement is going to be certified under ANSI C63.19 2011 version per Part 20.19.

For Radio Frequency Interference, Speag's Audio Interference Analyzer (AIA) or other indirect or direct measurement was not used to determine the M rating.

The M rating was determined by measuring the maximum steady state average E-field values in dB (V/m) or average antenna input power as documented in HAC test report exhibit, and adding the MIF value in dB. The MIF values below for the worst-case operation mode for all air interfaces are pre-determined values provided by Speag.

UID	Communication System Name	MIF(dB)
10021	GSM-FDD(TDMA,GMSK)	3.63
10460	UMTS-FDD(WCDMA, AMR)	-25.43
10170	LTE-FDD(SC-FDMA,1RB,20MHz,16-QAM)	-9.76
10172	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	-1.62
10173	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	-1.44
10174	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	-1.54

We are confirming that the Speag simulation provided represents all the air interface modes applicable for a HAC rating for this handset.

Signature : 

Name and Job Title. : Larry (Qianlin) Zhou / Regulatory Specialist

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