



ZEBRA

Regulatory Engineering

Date: October 5, 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.

Application for Class II Permissive Change

This is to request a Class II Permissive Change for FCC ID: UZ7TC77HL, Model: TC77HL (Date of Grant: 09/26/2018)

The change filed under this application is:

1. Adding HAC Certification. Perform HAC testing for Over-the Top voice service which is operating over IP by pre-installed application. No hardware or radio change is made.

Confidentiality Request

Pursuant to sections 0.457 and 0.459 of CFR 47, Public Notice DA 04-1705 of the Commission's policy, and to avoid premature release of sensitive information prior to marketing or release of the product to the public, the applicant requests the following documents contained in this certification application be temporarily withheld from public disclosure for an initial period of 180 days:

◆ Test Setup Photos

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.

Zebra Technologies Corporation

1 Zebra Plaza, | Holtsville, NY 11742 | 1.631.738.2400 phone | 1.631.627.7179 fax | www.zebra.com

**ZEBRA****Regulatory Engineering*****Declaration - 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)
10025	EDGE-FDD (TDMA, 8PSK, TN 0)	3.75
10225	UMTS-FDD (HSPA+)	-20.39
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
10061	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	-2.02
10077	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	0.12
10427	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	-13.44
10069	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	-3.15
10616	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	-5.57

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

E-mail : larry.zhou@zebra.com

Tel. : 346-260-3543