

# **RF Exposure Report**

Report No.: SA150319E09 R1

FCC ID: JNZS00152

Test Model: S-00152

Received Date: Mar. 19, 2015

Test Date: Apr. 21 to 27, 2015

Issued Date: May 05, 2015

Applicant: LOGITECH FAR EAST LTD.

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# Table of Contents

Relea	Release Control Record 3			
1	Certificate of Conformity	4		
2	Evaluation Result	5		
3	SAR Test Exclusion Thresholds	6		
4	Conclusion	6		



### **Release Control Record**

Issue No.	Description	Date Issued
SA150319E09	Original release.	Apr. 30, 2015
SA150319E09 R1	Modified the product name	May 05, 2015



# Certificate of ConformityProduct:SpeakerBrand:UeTest Model:S-00152Sample Status:ENGINEERING SAMPLEApplicant:LOGITECH FAR EAST LTD.Test Date:Apr. 21 to 27, 2015Standards:FCC Part 2 (Section 2.1093)KDB 447498 D03IEEE C95.1

1

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :	Midoli Peng / Specialist	Date:	May 05, 2015
Approved by :	May Chen Manager	Date:	May 05, 2015



# 2 Evaluation Result

Following FCC KDB 447498 D01 "General SAR test exclusion guidance"

The corresponding SAR Exclusion Threshold condition, listed below:

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\cdot [\sqrt{f}(GHz)] \le 3.0$  for 1-g SAR and  $\le 7.5$  for 10-g extremity SAR, where

- > f(GHz) is the RF channel transmit frequency in GHz.
- > Power and distance are rounded to the nearest mW and mm before calculation.
- The result is rounded to one decimal place for comparison The test exclusions are applicable only when the minimum test separation distance is < 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.
- 2) At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following:
  - a) [Threshold at 50 mm in step 1) + (test separation distance 50mm)·( f(MHz)/150)] mW, at 100MHz to 1500 MHz
  - b) [Threshold at 50 mm in step 1) + (test separation distance 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz
- 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.
  - a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by [1 + log(100/f(MHz))] for test separation distances > 50 mm and < 200 mm.
  - b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by ½ for test separation distances ≤ 50 mm.
  - c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

# 3 SAR Test Exclusion Thresholds

Maximum measured transmitter power:

### **BT-EDR**

Frequency (GHz)	Max. Power (mW)	Min. test separation distance (mm)	SAR test exclusion calculation value <sup>(NOTE 2)</sup>	1-g SAR test exclusion thresholds	Result
2.402 ~ 2.480	7.638	5	2.406	3	Pass

**NOTE:** 1. The antenna type is Quarter wave dipole antenna with 0.01dBi gain.

2. Calculate SAR test exclusion thresholds from condition "1" formulas.

### **BT-LE**

Frequency (GHz)	Max. Power (mW)	Min. test separation distance (mm)	SAR test exclusion calculation value <sup>(NOTE 2)</sup>	1-g SAR test exclusion thresholds	Result
2.402 ~ 2.480	3.251	5	1.024	3	Pass

**NOTE:** 1. The antenna type is Quarter wave dipole antenna with 0.01dBi gain.

2. Calculate SAR test exclusion thresholds from condition "1" formulas.

### 4 Conclusion

Since Source-base time average power is below SAR test exclusion power thresholds, the SAR evaluation is not required.

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