

# **TEST REPORT**

**Product Name**: blue tooth speaker with wireless charger

Brand Mark : N/A

Model No. : B85, MATCO59

FCC ID : 2AQ2W-B85

Report Number : BLA-EMC-202005-A80-04

Date of Sample Receipt : 2020/5/28

**Date of Test** : 2020/6/1 to 2020/6/12

**Date of Issue** : 2020/7/15

**Test Standard** 47 CFR Part 1.1307, Part 2.1093, KDB

Test Standard : 447498

Test Result : Pass

### Prepared for:

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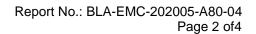
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REPORT REVISE RECORD

| Version No. | Date      | Description |  |  |
|-------------|-----------|-------------|--|--|
| 00          | 2020/7/15 | Original    |  |  |





# 1.1 RF Exposure Compliance Requirement

# 1.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

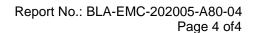
Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

### **1.1.2 Limits**

| 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)] · |  |
| $[\sqrt{f(GHz)}] \le 3.0$ 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 17                  |  |
| ☐ 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 EUT RF EXPOSURE EVALUATION

| Operational Mode: EDR (8-DPSK worst case)               |   |                              |                                  |                                 |                  |                     |  |  |  |
|---|---|------------------------------|----------------------------------|---------------------------------|------------------|---------------------|--|--|--|
| Channel   | Maximum Peak Conducted Output Power (dBm) | Tune up<br>tolerance<br>(dB) | Maximum<br>tune-up<br>Power(dBm) | Maximum<br>tune-up<br>Power(mW) | Calculated value | Exclusion threshold |  |  |  |
| 2402MHz   | 5.80                                      | ±1                           | 6.80                             | 4.79                            | 1.48             | 3                   |  |  |  |
| 2441MHz   | 5.65                                      | ±1                           | 6.65                             | 4.62                            | 1.44             | 3                   |  |  |  |
| 2480MHz   | 5.31                                      | ±1                           | 6.32                             | 4.29                            | 1.35             | 3                   |  |  |  |
| Conclusion: the calculated value ≤3.0, SAR is exempted. |   |                              |                                  |                                 |                  |                     |  |  |  |

### ----END OF REPORT----

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