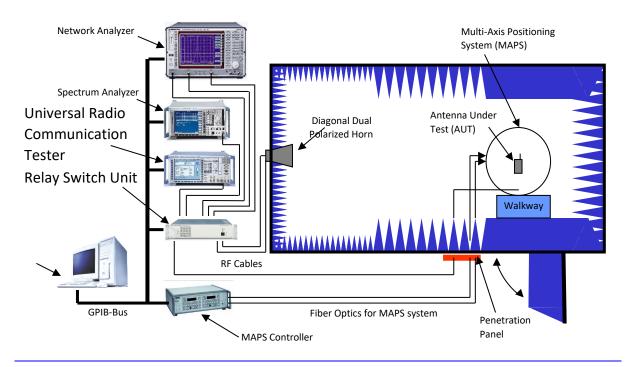
ANTENNA TEST REPORT

| Applicant | Drowsy Digital, Inc |
|--------------|--|
| Address | 850 New Burton Road, Suite 201, Dover DE 19904 |
| Suppliers | Molex Interconnect (Shanghai) Co., Itd.889 Yinglun Road, Waigaoqiao Free Trade Zone, Pudong, ShanghaiShenzhen Top-link Technologies Co.,Ltd.Bld.1, 11, Furui Rd., Fuhai Street, BaoAn District, Shenzhen City,GuangDongProvince, China |
| Product | OZLO Sleepbuds |
| Product No. | 01001100201 |
| Model | N/A |
| | Charge case antennae (PN: 1030042-01): 2dBi/open 0.8dBi/close |
| Peak Gain | Earbud L antenna (PN: 1030001-01) : -6dBi |
| | Earbud R antenna (1030002-01) : -5.8dBi |
| Test person | Liu Hai |
| Date of test | 2023/09/20 |

| Approval | Written | Reviewed | Approved |
|----------|------------|------------|-------------|
| Approval | Liu Hai | Andy Zhang | Chris Zhong |
| Data | 2023/09/20 | 2023/09/20 | 2023/09/20 |

1. MEASUREMENTS SETUP



2. TEST INSTRUMENTS

| Equipment | Manufacturer | Model No. | Serial No. | Next Cal. |
|-------------------|---------------|---------------|-------------|-----------|
| Antenna chamber | ETS-LINDGREN | AMS-8500 | 4063 | 2024/2/6 |
| Signal Generator | Agilent | E5071C | MY46101560 | 2024/1/30 |
| Spectrum Analyzer | ROHDE&SCHWARZ | FSP | 100878 | 2024/4/7 |
| Broad-Band Horn | ETS-LINDGREN | Model 3102 | SN00066947 | 2024/8/25 |
| Antenna | ETS-LINDGREN | | 51100000947 | 2024/0/23 |
| Broad-Band Horn | ETS-LINDGREN | Model 3164-03 | SN00064049 | 2024/8/25 |
| Antenna | ETS-LINDGREN | MOUEI 5104-05 | 31100004049 | 2024/0/23 |
| Turn Table | ETS-LINDGREN | Model 2090 | SN00105913 | N/A |
| Controller | ROHDE&SCHWARZ | TS-RSP | 100331 | N/A |
| Test Software | ETS-LINDGREN | EMQUEST | EMQ-100 | N/A |

3. MEASUREMENTS DESCRIPTION

1. S Parameter Measurements

A testing method for evaluating the signal reflection performance of antennas. S Parameter measurements were done by using Network Analyzer –Agilent, the Return Loss of the antennas were obtained to ensure the efficiency over the operation frequency.

2. Antenna Radiation Patten Measurements

The distribution of radiation power from antennas in different directions. Radiation Pattern Measurements were done in the ETS-Lindgren anechoic chamber through radiation, the earbuds were set to continuous radiation and the AMS-8500 receive the RF power from 360 degree angles by using rotation of DUT (Device under test).

3. Antenna Gain Calculation

Antenna gain is an important parameter for measuring antenna radiation. The antenna gains will be calculated by ETS chamber software when radiation pattern tests are done.

4. TEST RESULTS

5.1 CHARGE CASE BLE ANTENNA VSWR

| Frequency (MHz) | 2400 | 2485 |
|-----------------|------|------|
| Open state | 2.0 | 2.4 |
| Close state | 1.4 | 1.4 |

5.2 CHARGE CASE BT ANTENNA VSWR

| Frequency (MHz) | 2400 | 2485 |
|-----------------|------|------|
| Open state | 2.6 | 1.5 |
| Close state | 1.1 | 1.3 |

5.3 EARBUD LEFT ANTENNA VSWR

| Frequency (MHz) | 2400 | 2485 | |
|-----------------|------|------|--|
| Earbud Left | 3.1 | 2.8 | |

5.4 EARBUD RIGHT ANTENNA VSWR

| Frequency (MHz) | 2400 | 2485 | |
|-----------------|------|------|--|
| Earbud Right | 2.4 | 2.0 | |

5.5 CHARGE CASE BLE ANTENNA EFFICIENCY

| Frequency (MHz) | 2400~2485 |
|-----------------|-----------|
| Open state | 32 |
| Close state | 40 |

5.6 CHARGE CASE BT ANTENNA EFFICIENCY

| Frequency (MHz) | 2400~2485 |
|-----------------|-----------|
| Open state | 29.7 |
| Close state | 30.3 |

5.7 EARBUD LEFT ANTENNA EFFICIENCY

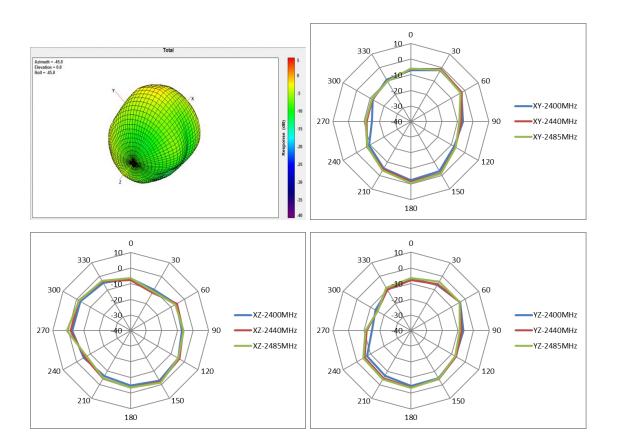
| Frequency (MHz) | 2400~2485 | |
|-----------------|-----------|--|
| Earbud Left | 8.2 | |

5.8 EARBUD RIGHT ANTENNA EFFICIENCY

| Frequency (MHz) | 2400~2485 |
|-----------------|-----------|
| Earbud Right | 8.4 |

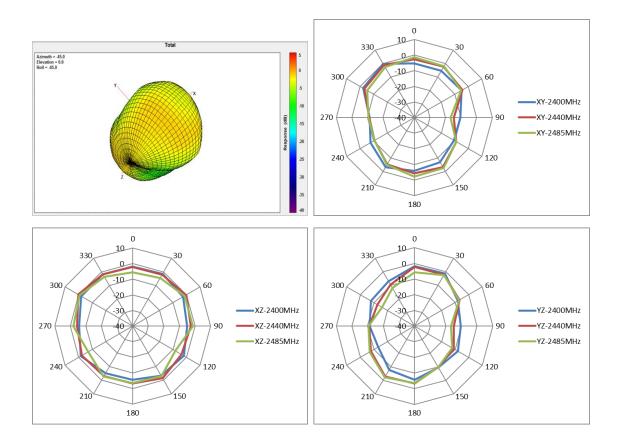
5.9 CHARGE CASE BLE ANTENNA OPEN STATE 2D

| Frequency (MHz) | | XY | XZ | YZ |
|-----------------|-----------------|------|------|------|
| 2400 | Peak Gain (dBi) | -2.1 | -2.5 | -3.8 |
| 2400 | Degree | 30° | 270° | 30° |
| 2440 | Peak Gain (dBi) | -1.3 | -1.3 | -3.5 |
| | Degree | 30° | 270° | 180° |
| 2405 | Peak Gain (dBi) | -0.6 | -0.4 | -3.4 |
| 2485 | Degree | 180° | 270° | 180° |



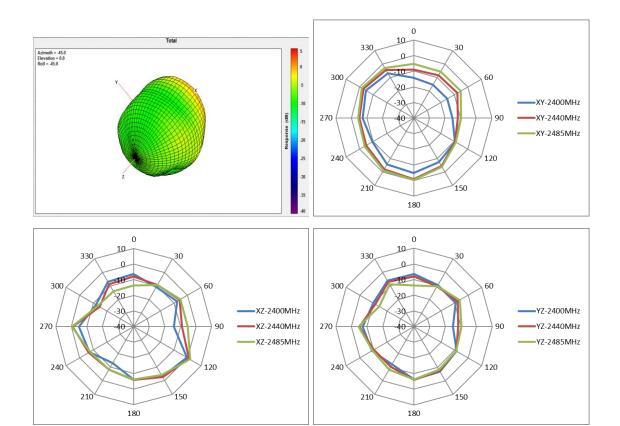
5.10 CHARGE CASE BLE ANTENNA CLOSE STATE 2D

| Fre | quency (MHz) | XY | XZ | YZ |
|------|-----------------|------|------|------|
| 2400 | Peak Gain (dBi) | -1 | -1.4 | -1.2 |
| | Degree | 330° | 240° | 30° |
| 2440 | Peak Gain (dBi) | -1.1 | 0.5 | -2.1 |
| | Degree | 330° | 180° | 0° |
| 2485 | Peak Gain (dBi) | -1.4 | -0.6 | -2.2 |
| | Degree | 0° | 180 | 210° |



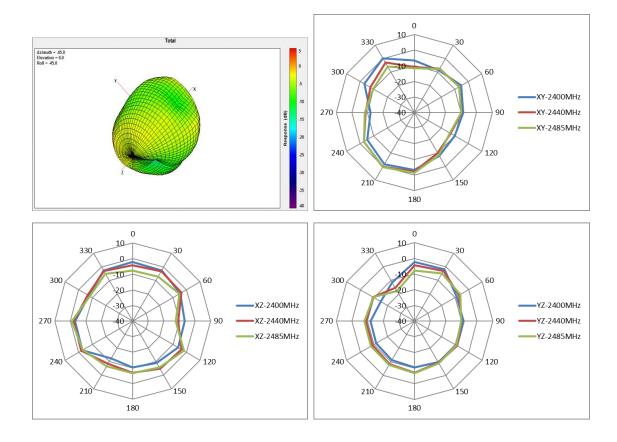
5.11 CHARGE CASE BT ANTENNA OPEN STATE 2D

| Fre | quency (MHz) | XY | XZ | YZ |
|------|-----------------|------|------|------|
| 2400 | Peak Gain (dBi) | -4.5 | -0.6 | -6 |
| | Degree | 300° | 120° | 330° |
| 2440 | Peak Gain (dBi) | -0.9 | 1.1 | -5 |
| | Degree | 180° | 120° | 270° |
| 2485 | Peak Gain (dBi) | -0.3 | 2 | -4.4 |
| | Degree | 180° | 120° | 270° |



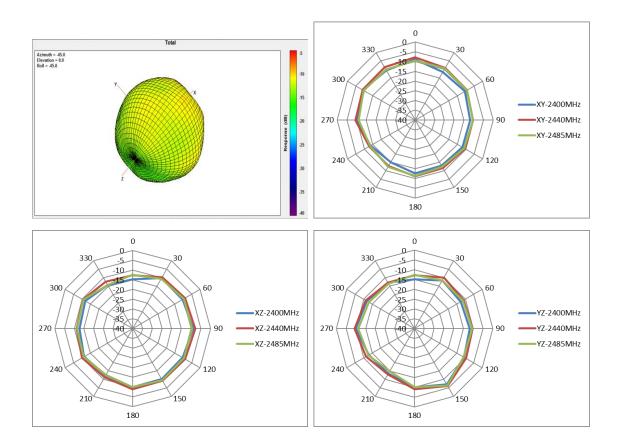
| Fre | quency (MHz) | XY | XZ | YZ |
|------|-----------------|------|------|------|
| 2400 | Peak Gain (dBi) | 0.2 | -2.2 | -1.9 |
| | Degree | 330° | 0° | 30° |
| 2440 | Peak Gain (dBi) | 0.1 | -1.8 | -3 |
| | Degree | 210° | 240° | 30° |
| 2485 | Peak Gain (dBi) | 0.8 | -0.8 | -4.9 |
| | Degree | 210° | 270° | 30° |

5.12 CHARGE CASE BT ANTENNA CLOSE STATE 2D



5.13 EARBUD LEFT ANTENNA 2D

| Fre | quency (MHz) | XY | XZ | YZ |
|------|-----------------|------|------|------|
| 2400 | Peak Gain (dBi) | -8.9 | -8.9 | -7 |
| | Degree | 0° | 90° | 150° |
| 2440 | Peak Gain (dBi) | -7.7 | -7.7 | -6 |
| | Degree | 0° | 90° | 150° |
| 2485 | Peak Gain (dBi) | -9.4 | -9.4 | -6.4 |
| | Degree | 60° | 120° | 150° |



5.14 EARBUD RIGHT ANTENNA 2D

| Fre | quency (MHz) | XY | XZ | YZ |
|------|-----------------|-------|------|------|
| 2400 | Peak Gain (dBi) | -10.2 | -7.1 | -6.5 |
| | Degree | 300° | 240° | 240° |
| 2440 | Peak Gain (dBi) | -8.3 | -5.8 | -6 |
| | Degree | 180° | 240° | 240° |
| 2485 | Peak Gain (dBi) | -8.9 | -6.2 | -7 |
| | Degree | 180° | 240° | 240° |

