

Shenzhen Most Technology Service Co., Ltd.

No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

RF Exposure Evaluation Report

Report Reference No...... MTEB23070044-H

FCC ID.....: HLESP320B

Compiled by

(position+printed name+signature)..: File administrators Alisa Luo

Supervised by

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Approved by

(position+printed name+signature)..: Manager Yvette Zhou

Representative Laboratory Name.: Shenzhen Most Technology Service Co., Ltd.

Nanshan, Shenzhen, Guangdong, China.

Sunny Deng

Applicant's name...... Unitech Electronics Co., Ltd.

City, Taiwan

Test specification/ Standard......: 47 CFR Part 1.1307

47 CFR Part 2.1093

TRF Originator...... Shenzhen Most Technology Service Co., Ltd.

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Test item description.....: MobilePrinter

Modulation Type...... GFSK, π/4DQPSK, 8DPSK

GFSK

Operation Frequency...... From 2402MHz to 2480MHz

Hardware Version......RPP320N_MB_BWU_V1.3_221104

ESC)_F4R2_V2.20_221228.bin

Rating..... DC 5V (by Adapter)
DC 7.4V (by Battery)

Result..... PASS

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TEST REPORT

Equipment under Test : MobilePrinter

Model /Type : SP320

Listed Models N/A

Remark N/A

Applicant : Unitech Electronics Co., Ltd.

Address : 5F, No. 136, Lane 235, Pao-Chiao Rd., Hsin-Tien Dist., New Taipei

City, Taiwan

Manufacturer : Unitech Electronics Co., Ltd.

Address : 5F, No. 136, Lane 235, Pao-Chiao Rd., Hsin-Tien Dist., New Taipei

City, Taiwan

| Test Result: | PASS |
|--------------|------|
| | |

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. Revision History

| Revision | Issue Date | Revisions | Revised By |
|----------|------------|---------------|------------|
| 00 | 2023.07.05 | Initial Issue | Alisa Luo |
| | | | |
| | | | |

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2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. 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.

2.1.2 Limits

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

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [$\sqrt{f(GHz)}$] ≤ 3.0 for 1-g SAR and ≤ 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 calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

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2.1.3 EUT RF Exposure

Measurement Data

BT classic

| BT GIGGGIG | | | | | |
|------------------|-------------------|-------------------|-----------------------|--|--|
| GFSK | | | | | |
| Test channel | Peak Output Power | Tune up tolerance | Maximum tune-up Power | | |
| | (dBm) | (dBm) | (dBm) | | |
| Lowest(2402MHz) | -3.316 | -3.316±1 | -2.316 | | |
| Middle(2441MHz) | -2.588 | -2.588±1 | -1.588 | | |
| Highest(2480MHz) | -1.522 | -1.522±1 | -0.522 | | |

| π /4DQPSK | | | | | |
|------------------|-------------------|-------------------|-----------------------|--|--|
| Test channel | Peak Output Power | Tune up tolerance | Maximum tune-up Power | | |
| | (dBm) | (dBm) | (dBm) | | |
| Lowest(2402MHz) | -2.255 | -2.255±1 | -1.255 | | |
| Middle(2441MHz) | -1.745 | -1.745±1 | -0.745 | | |
| Highest(2480MHz) | -0.758 | -0.758±1 | 0.242 | | |

| 8DPSK | | | | | |
|------------------|-------------------|-------------------|-----------------------|--|--|
| Test channel | Peak Output Power | Tune up tolerance | Maximum tune-up Power | | |
| | (dBm) | (dBm) | (dBm) | | |
| Lowest(2402MHz) | -1.953 | -1.953±1 | -0.953 | | |
| Middle(2441MHz) | -1.380 | -1.380±1 | -0.38 | | |
| Highest(2480MHz) | -0.386 | -0.386±1 | 0.614 | | |

| Worst case: 8DPSK | | | | | | |
|-------------------|----------------------------------|--------------------------|------|-----------------|-----------|-----------------------|
| Channel | Maximum Peak Conducted Output | Maximum tune-up Power | | Calculated | Exclusion | SAR Test Exclusion |
| | Power (dBm) | (dBm) | (mW) | value threshold | | |
| Highest(2480MHz) | -0.386 | 0.614 | 1.15 | 0.36 | 3.0 | Yes |

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BLE

| GFSK | | | | |
|------------------|-------------------|-------------------|-----------------------|--|
| Test channel | Peak Output Power | Tune up tolerance | Maximum tune-up Power | |
| | (dBm) | (dBm) | (dBm) | |
| Lowest(2402MHz) | -5.293 | -5.293±1 | -4.293 | |
| Middle(2440MHz) | -4.471 | -4.471±1 | -3.471 | |
| Highest(2480MHz) | -2.573 | -2.573±1 | -1.573 | |

| Worst case: GFSK | | | | | | |
|------------------|----------------------------------------------------|-------------------------|------|------------------|---------------------|-----------------------|
| Channel | Maximum Peak Conducted Output Power (dBm) | Maximun Pov (dBm) | • | Calculated value | Exclusion threshold | SAR Test Exclusion |
| Highest(2480MHz) | -2.573 | -1.573 | 0.70 | 0.22 | 3.0 | Yes |

| THE END OF REPORT | |
|-------------------|--|
|-------------------|--|