

# TEST REPORT

## Maximum Permissive Exposure

for

Products Name: STRATACACHE PLAYER  
Model No.: SMP-Q-wIV-AP, SMP-R-el-AP, SMP-S-el-AP, SMP-SP  
-all-AP, SMP-L-el-AP, SMP-DX-all-AP,  
SMP-QX-wIV-AP, SMP-H-FVI-AP, SMP HX-vI-AP  
FCC ID: 2BWNQ-SMP-Q-WIV-AP  
Report No.: SST2606E070  
Issued Date: 2026-6-5

Issued for

Stratacache Asia-Pacific Pte. Ltd.

133 Cecil Street #04-02 Keck Seng Tower Singapore 069535

Issued by

DONGGUAN QIYANG TESTING TECHNOLOGY CO., LTD.

Room 101-1, Building 1, No. 19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China

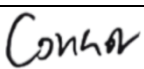
### General disclaimer:

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing DONGGUAN QIYANG TESTING TECHNOLOGY CO., LTD. The authenticity of this test report and its contents can be verified by contacting the DONGGUAN QIYANG TESTING TECHNOLOGY CO., LTD., responsible for this test report.

## Table of Contents

|     |                                                                 |   |
|-----|-----------------------------------------------------------------|---|
| 1.  | BASIC INTRODUCTION .....                                        | 3 |
| 2.  | RF EXPOSURE EVALUATION MAXIMUM PERMISSIBLE EXPOSURE (MPE) ..... | 4 |
| 2.1 | INTRODUCTION .....                                              | 4 |
| 2.2 | MPE CALCULATION.....                                            | 4 |

## 1. Basic Introduction

|                                       |                                                                                                                                |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Applicant's name</b> ..... :       | Stratacache Asia-Pacific Pte. Ltd.                                                                                             |                                                                                      |
| <b>Address</b> ..... :                | 133 Cecil Street #04-02 Keck Seng Tower Singapore 069535                                                                       |                                                                                      |
| <b>Manufacturer's name</b> .. :       | Stratacache Asia-Pacific Pte. Ltd.                                                                                             |                                                                                      |
| <b>Address</b> ..... :                | 133 Cecil Street #04-02 Keck Seng Tower Singapore 069535                                                                       |                                                                                      |
| <b>Factory name</b> .....             | Stratacache Asia-Pacific Pte. Ltd.                                                                                             |                                                                                      |
| <b>Address</b> ..... :                | 133 Cecil Street #04-02 Keck Seng Tower Singapore 069535                                                                       |                                                                                      |
| <b>Products Name</b> .....            | STRATACACHE PLAYER                                                                                                             |                                                                                      |
| <b>Model No.</b> .....                | SMP-Q-wIV-AP, SMP-R-el-AP, SMP-S-el-AP, SMP-SP-all-AP, SMP-P-L-el-AP, SMP-DX-all-AP, SMP-QX-wIV-AP, SMP-H-FVI-AP, SMP HX-vI-AP |                                                                                      |
| <b>Trade Mark</b> ..... :             | STRATACACHE                                                                                                                    |                                                                                      |
| <b>Rating(s)</b> ..... :              | Adapter<br>Model: HKA06012050-0A7<br>Input: 100-240V, 50/60Hz<br>Output: DC 12.0V 5A                                           |                                                                                      |
| <b>Software version</b> .....         | V1.0                                                                                                                           |                                                                                      |
| <b>Hardware version</b> .....         | FP530V10                                                                                                                       |                                                                                      |
| <b>Operation frequency</b> .... :     | BT/BLE: 2402MHz ~ 2480MHz<br>WLAN: 2412MHz~ 2472MHz<br>RLAN: 5180MHz~5320MHz, 5500MHz ~ 5700MHz, 5745MHz ~ 5825MHz             |                                                                                      |
| <b>Modulation technology</b> :        | BT/BLE: GFSK, pi/4 DQPSK, 8DPSK<br>WLAN: 802.11b/g/n/ax<br>RLAN: 802.11a/n/ac/ax                                               |                                                                                      |
| <b>Antenna type</b> .....             | External Antenna                                                                                                               |                                                                                      |
| <b>Antenna gain</b> .....             | 1.32dBi @2.4G band<br>3.03dBi @5G band                                                                                         |                                                                                      |
| <b>Standard(s)</b> .....              | FCC CFR Title 47 Part 1.1307<br>FCC CFR Title 47 Part 2.1091<br>447498 D01 General RF Exposure Guidance v06                    |                                                                                      |
| <b>Date of sample receipt</b> .:      | 2026-5-14                                                                                                                      |                                                                                      |
| <b>Date of Test</b> ..... :           | 2026-5-14~2026-6-5                                                                                                             |                                                                                      |
| <b>Tested by (+signature)</b> ..:     | Connor Ma                                                                                                                      |  |
| <b>Check by (+signature)</b> ..:      | Davis Zhou                                                                                                                     |  |
| <b>Approved (+signature)</b> ..... by | Tiger Chen                                                                                                                     |  |



## 2. RF EXPOSURE EVALUATION MAXIMUM PERMISSIBLE EXPOSURE (MPE)

### 2.1 Introduction

The limit for maximum permissible exposure(MPE), specific in §1.1310, §1.1307(b) of the FCC Rules and KDB 447498 D01 were list in below

| Frequency range (MHz)                                    | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|----------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| (i) Limits for Occupational/Controlled Exposure          |                               |                               |                                     |                          |
| 0.3-3.0                                                  | 614                           | 1.63                          | *(100)                              | ≤6                       |
| 3.0-30                                                   | 1842/f                        | 4.89/f                        | *(900/f <sup>2</sup> )              | <6                       |
| 30-300                                                   | 61.4                          | 0.163                         | 1.0                                 | <6                       |
| 300-1,500                                                |                               |                               | f/300                               | <6                       |
| 1,500-100,000                                            |                               |                               | 5                                   | <6                       |
| (ii) Limits for General Population/Uncontrolled Exposure |                               |                               |                                     |                          |
| 0.3-1.34                                                 | 614                           | 1.63                          | *(100)                              | <30                      |
| 1.34-30                                                  | 824/f                         | 2.19/f                        | *(180/f <sup>2</sup> )              | <30                      |
| 30-300                                                   | 27.5                          | 0.073                         | 0.2                                 | <30                      |
| 300-1,500                                                |                               |                               | f/1500                              | <30                      |
| 1,500-100,000                                            |                               |                               | 1.0                                 | <30                      |

f = frequency in MHz. \* = Plane-wave equivalent power density.

The procedure used to determine the RF power density was based upon a calculation for determining compliance with the MPE requirements.

The power generated by each transmitter used in this product was initially measured by a spectrum analyzer and the powers were recorded. Through use of the Friis transmission formula and knowledge of the maximum antenna gain to be used, the power density level is calculated at a distance of 20cm.

Friis transmission formula:  $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where,

$P_d$  = Power Density (mW/cm<sup>2</sup>),

$\pi$  = 3.1416,

$P_{out}$  = output power to antenna (mW),

$r$  = distance between observation point and center of the radiator (cm),

$G$  = gain of antenna in linear scale

There is no co-location between the electric fields of any two transmitters therefore the power densities are calculated for each individual transmitter by frequency at 20cm spacing

### 2.2 MPE Calculation

| Type | Frequency (MHz) | Antenna gain (dBi) | EIRP (dBm) | Separation (cm) | Power density (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|------|-----------------|--------------------|------------|-----------------|-------------------------------------|-----------------------------|
| BT   | 2480            | 1.32               | 6.66       | 20              | 0.0009                              | 1                           |
| BLE  | 2480            | 1.32               | 3.63       | 20              | 0.0005                              | 1                           |
| WLAN | 2462            | 1.32               | 19.5       | 20              | 0.0177                              | 1                           |
| RLAN | 5775            | 3.03               | 18.02      | 20              | 0.0126                              | 1                           |

BT and WiFi transmission synchronization: 0.0186<1

\*\*\*\*\*End of report\*\*\*\*\*