

Safety Human Exposure

1.1 Radio Frequency Exposure Compliance

1.1.1 Electromagnetic Fields

RESULT:

Pass

Test Specification

| | |
|---------------------------|---|
| Test item | : WPC |
| Identification / Type No. | : 524B/525A WPC |
| FCC ID | : 2AXPS524B525AWPC |
| IC | : 26574-524B525AWPC |
| HVIN | : 524B/525A WPC |
| PMN | : WPC |
| Test standard | : CFR47 FCC Part 2: Section 2.1093 CFR47 FCC Part 1: Section 1.1310 FCC KDB 447498 D04 Interim General RF Exposure Guidance v01 RSS-102 Issue 5 |

➤ **FCC Part 1.1310, Part 2.1091**

The Maximum E-field is 67.21dBuV/m@3m*, i.e. EIRP -28.0dBm (0.002mW), which much lower than 1mW, As per section 2.1.2_1-mW Test Exemption of KDB 447498 D04, EUT is excluded from MPE evaluation.

*Refer to NFC Report CN2413E3 001.

➤ **RSS-102 section 2.5.1 Exemption Limits for Routine Evaluation – RF Exposure Evaluation**

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table 1.

Table 1: SAR evaluation – Exemption limits for routine evaluation based on frequency and separation distance^{4,5}

| Frequency (MHz) | Exemption Limits (mW) | | | | |
|-----------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | At separation distance of ≤5 mm | At separation distance of 10 mm | At separation distance of 15 mm | At separation distance of 20 mm | At separation distance of 25 mm |
| ≤300 | 71 mW | 101 mW | 132 mW | 162 mW | 193 mW |
| 450 | 52 mW | 70 mW | 88 mW | 106 mW | 123 mW |
| 835 | 17 mW | 30 mW | 42 mW | 55 mW | 67 mW |
| 1900 | 7 mW | 10 mW | 18 mW | 34 mW | 60 mW |
| 2450 | 4 mW | 7 mW | 15 mW | 30 mW | 52 mW |
| 3500 | 2 mW | 6 mW | 16 mW | 32 mW | 55 mW |
| 5800 | 1 mW | 6 mW | 15 mW | 27 mW | 41 mW |

| Frequency (MHz) | Exemption Limits (mW) | | | | |
|-----------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|
| | At separation distance of 30 mm | At separation distance of 35 mm | At separation distance of 40 mm | At separation distance of 45 mm | At separation distance of ≥50 mm |
| ≤300 | 223 mW | 254 mW | 284 mW | 315 mW | 345 mW |
| 450 | 141 mW | 159 mW | 177 mW | 195 mW | 213 mW |
| 835 | 80 mW | 92 mW | 105 mW | 117 mW | 130 mW |
| 1900 | 99 mW | 153 mW | 225 mW | 316 mW | 431 mW |
| 2450 | 83 mW | 123 mW | 173 mW | 235 mW | 309 mW |
| 3500 | 86 mW | 124 mW | 170 mW | 225 mW | 290 mW |
| 5800 | 56 mW | 71 mW | 85 mW | 97 mW | 106 mW |

EUT RF Exposure Evaluation standalone operations

| Operating Mode | *Max. EIRP Power incl. tune-up (dBm) | The higher of the conducted Power or e.i.r.p. (mW) | Threshold power (mW) | Verdict |
|----------------|--------------------------------------|--|----------------------|---------|
| RF ID | -28.0dBm | 0.002 | 71 | Pass |

* The Maximum E-field is 67.21dBuV/m@3m* (Refer to NFC Report CN2413E3 001), i.e. EIRP -28dBm (0.002mW), far below the threshold power.

Conclusion: test is exempted.