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SLG-CPC Testlaboratory

## TEST REPORT

|                                     |                                                                                                                                 |                  |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------|
| Report Number. .... :               | 90760-25-72-25-PP003                                                                                                            |                  |
| Date of issue..... :                | 2025-08-30                                                                                                                      |                  |
| Prepared by (+signature)..... :     | Pale                                                                                                                            | <i>Pale</i>      |
| Approved by (+signature) ..... :    | Jason                                                                                                                           | <i>Jason gao</i> |
| Testing Laboratory name ..... :     | SLG-CPC Testlaboratory Co., Ltd.                                                                                                |                  |
| Address..... :                      | No. 11, Wu Song Road, Dongcheng District Dongguan, Guangdong Province, 523117, People's Republic of China                       |                  |
| Applicant's name ..... :            | Zhuhai Xprinter Electronics Technology Co., Ltd.                                                                                |                  |
| Address..... :                      | 5/F, 1st Workshop, No.613 Huawei Road, Qianshan Industrial Zone, Xiangzhou District, Zhuhai City, Guangdong Province, P.R.China |                  |
| Manufacturer's name ..... :         | Same as applicant                                                                                                               |                  |
| Address..... :                      | Same as applicant                                                                                                               |                  |
| Factory's name ..... :              | Same as applicant                                                                                                               |                  |
| Address..... :                      | Same as applicant                                                                                                               |                  |
| Standard(s) ..... :                 | §15.247(i), §2.1093                                                                                                             |                  |
| Test item description ..... :       | Please refer to page 4                                                                                                          |                  |
| Trade Mark ..... :                  | N/A                                                                                                                             |                  |
| Model/Type reference ..... :        | H2 (See Page 4 for series model)                                                                                                |                  |
| FCC ID ..... :                      | 2AWYK-H2                                                                                                                        |                  |
| Date of receipt of test item..... : | 2025-08-18                                                                                                                      |                  |
| Date (s) of performance of test:    | 2025-08-19 to 2025-08-29                                                                                                        |                  |
| Summary of Test Results ..... :     | Pass                                                                                                                            |                  |

The Summary of Test Results based on a technical opinion belongs to the standard(s).

### General disclaimer:

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## Table of Contents

|                             |   |
|-----------------------------|---|
| 1. EUT SPECIFICATION .....  | 4 |
| 2. TEST REQUIREMENT: .....  | 8 |
| 3. MEASUREMENT RESULT ..... | 9 |

## Modified History

| Report No.           | Revision Date | Summary         |
|----------------------|---------------|-----------------|
| 90760-25-72-25-PP003 | 2025-08-30    | Original Report |
|                      |               |                 |
|                      |               |                 |

## 1. EUT Specification

| Characteristics      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product:</b>      | Thermal printer, Label printer, Thermal label printer, Pocket Thermal Printer, Error Printer, Household Label Printer, Portable Thermal Label Printer, Portable Thermal Printer, Price Label Printer, Ink-free Printer, Photo Printer, Picture Printer, Portable Printer, A4 Printer, Inkless Printer, Mobile Printer, Thermal Transfer Printer, Wrong Question Printer, Home Label Printer, Price Code Label Printer, Learning Printer, Search Question Printer, Photo Printer, Image Printer, A4 Thermal Printer, A4 Thermal Transfer Printer, A4 Portable Printer, Homework Printer, A4 Desktop Printer, A4 Smart Printer, A4 Inkless Printer, Tattoo Stencil Printer, Tattoo Printer, Stencil Printer, Temporary Tattoo Printer, Tattoo Printer Machine, Tattoo Transfer Printer, Portable Tattoo Transfer Machine, Label Maker, Label Maker Machine, Bluetooth Label Printer, Mini Label Maker, Small Label Printer, Receipt Printer, Sticker Printer, Mini Printer, Sticker Maker, Sticker Maker Machine, Mini Sticker Printer, Portable Printer, Bluetooth Printer, Inkless Printer, Wireless Printer, Tattoo Machine, Wireless Tattoo Machine, Instant Print Camera                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Model Number:</b> | TP2, TP3, TP4, TP5, TP6, TP7, TP8, LP1, LP2, LP3, LP4, LP5, LP6, LP7, LP8, CP1, CP2, CP3, CP4, CP5, CP6, CP7, CP8, TP1, TRP1, TRP2, TRP3, STAR-1, STAR1, starpany1, starpany-1, HP1, HSP1, X1, X2, X3, X5, X6, HP2, HP3, HP4, HP5, HP6, HP7, TP2-Y, TP-S, BQ1, BQ2, BQ3, BQ4, BQ5, BQ6, BQ7, BQ8, BQ9, BX1, BX2, BX3, BX4, BX5, BX6, BX7, MB1, MB3, MB4, MB5, MB6, MB7, MO1, MO2, MO4, MO5, MO6, MO7, MP2, MP3, MP4, MP5, MP6, MP7, AO1, AO2, AO3, AO4, AO5, AO6, AO7, BO1, BO2, BO3, BO4, BO5, BO6, BO7, EO1, EO2, EO3, EO4, EO5, EO6, EO7, LO1, LO2, LO3, LO4, LO5, LO6, LO7, YO1, YO2, YO3, YO4, YO5, YO6, YO7, LP01, LP02, LP03, LP04, LP05, LP06, LP07, LP08, LP09, HP01, HP02, HP03, HP04, HP05, HP06, HP07, HP08, HP09, LP1S, LP2S, LP3S, LP4S, LP5S, LP6S, LP7S, LP8S, LP9S, LP11, LP12, LP13, LP14, LP15, LP16, LP17, LP18, LP19, OP1, OP2, OP3, OP4, OP5, OP6, OP7, OP8, OP9, OP1S, OP2S, OP3S, OP4S, OP5S, OP6S, OP7S, OP8S, OP9S, OP01, OP02, OP03, OP04, OP05, OP06, OP07, OP08, OP09, OP11, OP12, OP13, OP14, OP15, OP16, OP17, OP18, OP19, AP1, AP2, AP3, AP4, AP5, AP6, AP7, AP8, AP9, AP1S, AP2S, AP3S, AP4S, AP5S, AP6S, AP7S, AP8S, AP9S, AP01, AP02, AP03, AP04, AP05, AP06, AP07, AP08, AP09, AP11, AP12, AP13, AP14, AP15, AP16, AP17, AP18, AP19, DX1, DX2, DX3, DX4, DX5, DX6, DX7, DX8, DX9, DX1S, DX2S, DX3S, DX4S, DX5S, DX6S, DX7S, DX8S, DX9S, DX01, DX02, DX03, DX04, DX05, DX06, DX07, DX08, DX09, DX11, DX12, DX13, DX14, DX15, DX16, DX17, DX18, DX19, DP1, DP2, DP3, DP4, DP5, DP6, DP7, DP8, DP9, DP1S, DP2S, DP3S, DP4S, DP5S, DP6S, DP7S, DP8S, DP9S, DP01, DP02, DP03, DP04, DP05, DP06, DP07, DP08, DP09, DP11, DP12, DP13, DP14, DP15, DP16, DP17, DP18, DP19, HP5-S, HP6-C, HP2-S, HP 2, BQ1S, BQ2S, BQ3S, BQ4S, BQ5S, BQ6S, BQ7S, BQ8S, BQ9S, BQ01, BQ02, BQ03, BQ04, BQ05, BQ06, BQ07, BQ08, BQ09, BQ11, BQ12, BQ13, BQ14, BQ15, BQ16, BQ17, BQ18, BQ19, BX1S, BX2S, BX3S, BX4S, BX5S, BX6S, BX7S, BX8S, BX9S, BX01, BX02, BX03, BX04, BX05, BX06, BX07, BX08, BX09, BX11, BX12, BX13, BX14, BX15, BX16, BX17, BX18, BX19, BP1, BP2, BP3, BP4, BP5, BP6, BP7, BP8, BP9, BP1S, BP2S, BP3S, BP4S, BP5S, BP6S, BP7S, BP8S, BP9S, BP01, BP02, BP03, BP04, BP05, BP06, BP07, BP08, BP09, BP11, BP12, BP13, BP14, BP15, BP16, BP17, BP18, BP19, H1, H2, H3, H21, H31, H100, H200, H300, BT1, BT2, |

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|  | <p>BT3, BT4, BT5, BT6, BT7, BT8, BT9, BT1S, BT2S, BT3S, BT4S, BT5S, BT6S, BT7S, BT8S, BT9S, BT01, BT02, BT03, BT04, BT05, BT06, BT07, BT08, BT09, BT11, BT12, BT13, BT14, BT15, BT16, BT17, BT18, BT19, HB1, HB2, HB3, HB4, HB5, HB6, HB7, HB8, HB9, HB1S, HB2S, HB3S, HB4S, HB5S, HB6S, HB7S, HB8S, HB9S, HB01, HB02, HB03, HB04, HB05, HB06, HB07, HB08, HB09, HB11, HB12, HB13, HB14, HB15, HB16, HB17, HB18, HB19, CP01, CP02, CP03, CP04, CP05, CP06, CP07, CP08, CP1S, CP2S, CP3S, CP4S, MP1S, MP2S, MP3S, MP4S, MP5S, MP6S, MP7S, MP8S, MP9S, MP01, MP02, MP03, MP04, MP05, MP06, MP07, MP08, MP09, MP11, MP12, MP13, MP14, MP15, MP16, MP17, MP18, MP19, MO1S, MO2S, MO3S, MO4S, MO5S, MO6S, MO7S, MO8S, MO9S, MO11, MO12, MO13, MO14, MO15, MO16, MO17, MO18, MO19, MS1, MS2, MS3, MS4, MS5, MS6, MS7, MS8, MS9, MS01, MS02, MS03, MS04, MS05, MS06, MS07, MS08, MS09, MS11, MS12, MS13, MS14, MS15, MS16, MS17, MS18, MS19, MX1, MX2, MX3, MX4, MX5, MX6, MX7, MX8, MX9, MX1S, MX2S, MX3S, MX4S, MX5S, MX6S, MX7S, MX8S, MX9S, MX01, MX02, MX03, MX04, MX05, MX06, MX07, MX08, MX09, MX11, MX12, MX13, MX14, MX15, MX16, MX17, MX18, MX19, TP6-S, TP2-Y, TP3-S, X1, X2, X3, X4, X8, X1 Plus, X2 Plus, X3 Plus, X4 Plus, X8 Plus, S001, S002, S003, S004, S008, S001 Plus, S002 Plus, S003 Plus, S004 Plus, S008 Plus, C11, C12, C13, C14, C18, C11 Plus, C12 Plus, C13 Plus, C14 Plus, C18 Plus, D10, D20, D30, D40, D80, D10 Plus, D20 Plus, D30 Plus, D40 Plus, D80 Plus, M01, M02, M03, M04, M08, M01 Plus, M02 Plus, M03 Plus, M04 Plus, M08 Plus, G111, G112, G113, G114, G118, G111 Plus, G112 Plus, G113 Plus, G114 Plus, G118 Plus, P8, P81, P82, P83, P84, P85, P86, P87, P88, P89, P800, P810, P820, P830, P840, P850, P860, P870, P880, P890, P831, P832, P833, P834, P835, P836, P837, P838, P839, T8, T81, T82, T83, T84, T85, T86, T87, T88, T89, T800, T810, T820, T830, T840, T850, T860, T870, T880, T890, T831, T832, T833, T834, T835, T836, T837, T838, T839, D8, D81, D82, D83, D84, D85, D86, D87, D88, D89, D800, D810, D820, D830, D840, D850, D860, D870, D880, D890, D831, D832, D833, D834, D835, D836, D837, D838, D839, XP-D82, H01, H02, H03, H04, H05, H06, H07, H08, H09, H10, H11, H12, H01S, H02S, H03S, H04S, H05S, H06S, H07S, H08S, H09S, H10S, H11S, H12S, K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K1 Pro, K2 Pro, K3 Pro, K4 Pro, K5 Pro, K6 Pro, K7 Pro, K8 Pro, K9 Pro, K10 Pro, Q11, P01, B2, R1, F810, Q12, P02, B3, R2, F820, Q20, P03, D21, R3, F830, T1, P04, D21S, R4, F840, T2, P05, M1, R5, F850, T3, E110S, M2, S01, A81, T4, E112, M3, S02, A82, T5, E113, M4, S03, A83, E114, M5, S04, A84, E115, S05, A85, A84T, A85T, AP81, AP82, AP83, AP84-T, AP85-T, C1, C2, C3, C4, C5, C6, C7, C8, C9, D1, D2, D3, D4, D5, D6, D7, D8, D9, D80T, D81T, D82T, D83T, D84T, D85T, D86T, D87T, D88T, D89T, F1, F2, F3, F4, F5, F6, F7, F8, F9, F840M, F850M, K82, K821, K831, K81N, K82N, K83N, K84N, K85N, K86N, K87N, K88N, KT81, KT82, KT83, KT81S, KT82S, KT83S, KT84S, KT85S, KT86S, KT87S, KT88S, M2-A, M2-B, M2-C, M2-D, M2-E, M2-F, M2-G, M2-H, M2-I, M2-J, M2-K, M2-L, M2-M, M2-N, M2-O, M2-P, M2-Q, M2-R, M2-S, M2-T, M2-U, M2-V, M2-W, M2-X, M2-Y, M2-Z, M3-A, M3-B, M3-C, M3-D, M3-E, M3-F, M3-G, M3-H, M3-I, M3-J, M3-K, M3-L, M3-M, M3-N, M3-O, M3-P, M3-Q, M3-R, M3-S, M3-T, M3-U, M3-V, M3-W, M3-X, M3-Y, M3-Z, MP2-A, MP2-B, MP2-C, MP2-D, MP2-E, MP2-F, MP2-G, MP2-H, MP2-I, MP2-J, MP2-K, MP2-L, MP2-M, MP2-N, MP2-O, MP2-P, MP2-Q, MP2-R, MP2-S, MP2-T, MP2-U, MP2-V, MP2-W, MP2-X, MP2-Y, MP2-Z, MP3-A, MP3-B, MP3-C, MP3-D, MP3-E, MP3-F, MP3-G, MP3-H, MP3-I, MP3-G, MP3-K, MP3-L, MP3-M, MP3-N, MP3-O, MP3-P, MP3-Q, MP3-R, MP3-S, MP3-T, MP3-U, MP3-V, MP3-W, MP3-X, MP3-Y, MP3-Z, MP4-A, MP4-B, MP4-C, MP4-D, MP4-E, MP4-F, MP4-G, MP4-H, MP4-I,</p> |
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|  | MP4-J, MP4-K, MP4-L, MP4-M, MP4-N, MP4-O, MP4-P, MP4-Q, MP4-R, MP4-S, MP4-T, MP4-U, MP4-V, MP4-W, MP4-X, MP4-Y, MP4-Z, NT2, NT2-A, NT2-B, NT2-C, NT2-D, NT2-E, NT2-F, NT2-G, NT2-H, NT2-I, NT2-J, NT2-K, NT2-L, NT2-M, NT2-N, NT2-O, NT2-P, NT2-Q, NT2-R, NT2-S, NT2-T, NT2-U, NT2-V, NT2-W, NT2-X, NT2-Y, NT2-Z, NT3, NT3-A, NT3-B, NT3-C, NT3-D, NT3-E, NT3-F, NT3-G, NT3-H, NT3-I, NT3-J, NT3-K, NT3-L, NT3-M, NT3-N, NT3-O, NT3-P, NT3-Q, NT3-R, NT3-S, NT3-T, NT3-U, NT3-V, NT3-W, NT3-X, NT3-Y, NT3-Z, NT4, NT4-A, NT4-B, NT4-C, NT4-D, NT4-E, NT4-F, NT4-G, NT4-H, NT4-I, NT4-J, NT4-K, NT4-L, NT4-M, NT4-N, NT4-O, NT4-P, NT4-Q, NT4-R, NT4-S, NT4-T, NT4-U, NT4-V, NT4-W, NT4-X, NT4-Y, NT4-Z, P80T, P81T, P82T, P83T, P84T, P85T, P86T, P87T, P88T, P89T, PQ202, PQ202A, PQ202B, PQ202C, PQ202D, PQ202E, PQ202F, PQ202G, PQ202H, PQ202I, PQ202J, PQ202K, PQ202L, PQ202M, PQ202N, PQ202O, PQ202P, PQ202Q, PQ202R, PQ202S, PQ202T, PQ202U, PQ202V, PQ202W, PQ202X, PQ202Y, PQ202Z, PQ302, PQ302A, PQ302B, PQ302C, PQ302D, PQ302E, PQ302F, PQ302G, PQ302H, PQ302I, PQ302J, PQ302K, PQ302L, PQ302M, PQ302N, PQ302O, PQ302P, PQ302Q, PQ302R, PQ302S, PQ302T, PQ302U, PQ302V, PQ302W, PQ302X, PQ302Y, PQ302Z, Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, QF810, QF820, QF830, QF840M, QF850M, Z1, Z2, Z3, Z4, Z5, Z6, Z7, Z8, Z9, T001, T002, T003, T004, T005, T006, T007, T008, T009, CP1E, CP2E, CP3E, CP4E, CP5E, CP6E, CP7E, CP8E, CP01E, CP02E, CP03E, CP04E, CP05E, CP06E, CP07E, CP08E, CP1SE, CP2SE, CP3SE, CP4SE, DX1E, DX2E, DX3E, DX4E, DX5E, DX6E, DX7E, DX8E, DX9E, DX01E, DX02E, DX03E, DX04E, DX05E, DX06E, DX07E, DX08E, DX09E, DX1SE, DX2SE, DX3SE, DX4SE, DX5SE, DX6SE, DX7SE, DX8SE, DX9SE, MP2E, MP3E, MP4E, MP5E, MP6E, MP7E, TP1E, TP2E, TP3E, TP4E, TP5E, TP6E, TP7E, TP8E, TP3-SE, TP4-SE, TP5-SE, TP6-SE, A81, A82, A83, A84, A85, A84T, A85T, AP81, AP82, AP83, AP84-T, AP85-T, D8, D81, D82, D83, D84, D85, D86, D87, D88, D89, D80T, D81T, D82T, D83T, D84T, D85T, D86T, D87T, D88T, D89T, D800, D810, D820, D830, D840, D850, D860, D870, D880, D890, D831, D832, D833, D834, D835, D836, D837, D838, D839, F810, F820, F830, F840, F850, F840M, F850M, K82, K821, K831, K81N, K82N, K83N, K84N, K85N, K86N, K87N, K88N, KT81, KT82, KT83, KT81S, KT82S, KT83S, KT84S, KT85S, KT86S, KT87S, KT88S, P8, P81, P82, P83, P84, P84Pro, P85, P86, P87, P88, P89, P80T, P81T, P82T, P83T, P84T, P85T, P86T, P87T, P88T, P89T, P800, P810, P820, P830, P840, P850, P860, P870, P880, P890, QF810, QF820, QF830, QF840M, QF850M, T8, T81, T82, T83, T84, T85, T86, T87, T88, T89, T800, T810, T820, T830, T840, T850, T860, T870, T880, T890, T831, T832, T833, T834, T835, T836, T837, T838, T839, XP-D82, P831, P832, P833, P834, P835, P836, P837, P838, P839, P821, P822, P823, P824, P825, P826, P827, P828, P829, PB831, PB832, PB833, PB834, PB835, PB836, PB837, PB838, PB839, PB821, PB822, PB823, PB824, PB825, PB826, PB827, PB828, PB829, P831Max, P832Max, P833Max, P834Max, P835Max, P836Max, P837Max, P838Max, P839Max, P821Max, P822Max, P823Max, P824Max, P825Max, P826Max, P827Max, P828Max, P829Max, PB831Max, PB832Max, PB833Max, PB834Max, PB835Max, PB836Max, PB837Max, PB838Max, PB839Max, PB821Max, PB822Max, PB823Max, PB824Max, PB825Max, PB826Max, PB827Max, PB828Max, PB829Max, P831Pro, P832Pro, P833Pro, P834Pro, P835Pro, P836Pro, P837Pro, P838Pro, P839Pro, P821Pro, P822Pro, P823Pro, P824Pro, P825Pro, P826Pro, P827Pro, P828Pro, P829Pro, PB831Pro, PB832Pro, PB833Pro, PB834Pro, PB835Pro, PB836Pro, PB837Pro, PB838Pro, PB839Pro, PB821Pro, PB822Pro, PB823Pro, |
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|                                       | PB824Pro, PB825Pro, PB826Pro, PB827Pro, PB828Pro, PB829Pro, T821, T822, T823, T824, T825, T826, T827, T828, T829, T831, T832, T833, T834, T835, T836, T837, T838, T839, TB831, TB832, TB833, TB834, TB835, TB836, TB837, TB838, TB839, TB821, TB822, TB823, TB824, TB825, TB826, TB827, TB828, TB829, T831Max, T832Max, T833Max, T834Max, T835Max, T836Max, T837Max, T838Max, T839Max, T821Max, T822Max, T823Max, T824Max, T825Max, T826Max, T827Max, T828Max, T829Max, TB831Max, TB832Max, TB833Max, TB834Max, TB835Max, TB836Max, TB837Max, TB838Max, TB839Max, TB821Max, TB822Max, TB823Max, TB824Max, TB825Max, TB826Max, TB827Max, TB828Max, TB829Max, T831Pro, T832Pro, T833Pro, T834Pro, T835Pro, T836Pro, T837Pro, T838Pro, T839Pro, T821Pro, T822Pro, T823Pro, T824Pro, T825Pro, T826Pro, T827Pro, T828Pro, T829Pro, TB831Pro, TB832Pro, TB833Pro, TB834Pro, TB835Pro, TB836Pro, TB837Pro, TB838Pro, TB839Pro, TB821Pro, TB822Pro, TB823Pro, TB824Pro, TB825Pro, TB826Pro, TB827Pro, TB828Pro, TB829Pro, 24EGSTA1, 24EGSTB2, 24EGSTC3, 25EGSTA1, 25EGSTB2, 25EGBCA1, 25EGBCB2, 23EGAXA1, 24EGAXA1, 24EGAXB2, 25EGAXA1, 25EGAXB2, 25EGAXC3, 25XLAXA1, 26EGSTA1, 26EGSTB2, 26EGSTC3, 26EGBCA1, 26EGBCB2, 26EGBCC3, 26EGAXA1, 26EGAXB2, 26EGAXC3, P83C, D 82(Note: The configurations of all models are the same; it's just that the model numbers are different. This time, the "H2" model is the main test model.) |
| <b>Sample:</b>                        | 1#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Device Type:</b>                   | Bluetooth V5.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Data Rate:</b>                     | DSS:<br>1Mbps for GFSK modulation<br><br>DTS:<br>1Mbps for GFSK modulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Modulation:</b>                    | DSS: GFSK<br>DTS: GFSK(1M)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Operating Frequency Range(s) :</b> | 2402-2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Number of Channels:</b>            | DSS: 79 channels<br>DTS: 40 channels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Transmit Power Max:</b>            | DSS: 4.65 dBm GFSK<br>DTS: 4.14 dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Antenna Gain:</b>                  | 3.41 dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Power supply:</b>                  | /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Evaluation applied:</b>            | <input type="checkbox"/> MPE Evaluation<br><input checked="" type="checkbox"/> SAR Evaluation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## 2. Test Requirement:

### RF EXPOSURE EVALUATION

According to §15.247(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

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:

$$\left[ \frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot [f_{\text{(GHz)}}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}^{24} \text{ where}$$

- $f_{\text{(GHz)}}$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation<sup>25</sup>
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

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  $< 5$  mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by §2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval. One antenna is available for the EUT. The minimum separation distance is 5mm.

### 3. Measurement Result

| modulation    | Transmit Frequency (MHz) | Measured Power (dBm) | Tune up Power (dBm) | Max tune up power(dBm) | Calculation Result | 1-g SAR |
|---------------|--------------------------|----------------------|---------------------|------------------------|--------------------|---------|
| BR: GFSK      | 2402                     | 3.65                 | ±1                  | 4.65                   | 0.904308           | 3       |
|               | 2441                     | 4.65                 | ±1                  | 5.65                   | 1.147662           | 3       |
|               | 2480                     | 3.62                 | ±1                  | 4.62                   | 0.912548           | 3       |
| BLE: GFSK(1M) | 2402                     | 3.28                 | ±1                  | 4.28                   | 0.830456           | 3       |
|               | 2441                     | 4.14                 | ±1                  | 5.14                   | 1.020293           | 3       |
|               | 2480                     | 3.35                 | ±1                  | 4.35                   | 0.857543           | 3       |

According to KDB 447498 D01 General RF Exposure Guidance v06, no stand-alone required for BT antenna, and no simultaneous SAR measurement is required.

\*\*\* End of Report \*\*\*

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