



FCC RF Test Report

APPLICANT : HMD global Oy
EQUIPMENT : Mobile Phone
BRAND NAME : Nokia
MODEL NAME : TA-1183
FCC ID : 2AJOTTA-1183
STANDARD : 47 CFR Part 15 Subpart C §15.247
CLASSIFICATION : (DSS) Spread Spectrum Transmitter

This is a data re-used report which is only valid together with the original test report. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.



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APPENDIX A. REFERENCE REPORT



REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|--------------|---------|-------------------------|--------------|
| FR930509-05A | Rev. 01 | Initial issue of report | May 17, 2019 |
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1 General Description

1.1 Applicant

HMD global Oy

Bertel Jungin aukio 9, 02600 Espoo, Finland

1.2 Manufacturer

HMD global Oy

Bertel Jungin aukio 9, 02600 Espoo, Finland

1.3 Product Feature of Equipment Under Test

| Product Feature | |
|---------------------------------|--|
| Equipment | Mobile Phone |
| Brand Name | Nokia |
| Model Name | TA-1183 |
| FCC ID | 2AJOTTA-1183 |
| EUT supports Radios application | WCDMA/HSPA/DC-HSDPA/HSPA+/LTE WLAN 2.4GHz 802.11b/g/n HT20 Bluetooth BR / EDR / LE FM Receiver and GNSS |
| HW Version | DVT_0.2 |
| SW Version | 00WW_0_095 |
| EUT Stage | Identical Prototype |

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification | |
|---|---|
| Tx/Rx Frequency Range | 2402 MHz ~ 2480 MHz |
| Number of Channels | 79 |
| Carrier Frequency of Each Channel | 2402+n*1 MHz; n=0~78 |
| Antenna Type / Gain | IFA Antenna with gain -0.18 dBi |
| Type of Modulation | Bluetooth BR (1Mbps) : GFSK Bluetooth EDR (2Mbps) : $\pi/4$ -DQPSK Bluetooth EDR (3Mbps) : 8-DPSK |

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Re-use of Measured Data

1.6.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: TA-1183, FCC ID: 2AJOTTA-1183) is electrically identical to the reference device (Model: TA-1184, FCC ID: 2AJOTTA-1184) for the portions of the circuitry corresponding to the data being re-used, as treated by KDB Publication 484596 D01.

1.6.2 Difference Section

For details concerning the similarity with respect to component placement, mechanical/electrical design etc., please refer to the Product Equality Declaration.

The re-used RF data includes the following bands provided in Appendix A (Sporton RF Report No. FR930509-01A for the reference device Model: TA-1184, FCC ID: 2AJOTTA-1184).

1.6.3 Reference detail Section:

| Equipment Class | Reference FCC ID | Folder Test | Report Title/Section |
|-----------------|------------------|-----------------------|-------------------------|
| DSS (BR/EDR) | 2AJOTTA-1184 | Part15C(FR930509-01A) | All sections applicable |
| DTS (BLE) | 2AJOTTA-1184 | Part15C(FR930509-01B) | All sections applicable |
| DTS (WLAN) | 2AJOTTA-1184 | Part15C(FR930509-01C) | All sections applicable |

**1.6.4 Spot Check Verification Data Section**

In order to confirm hardware similarity of the subject device with the reference device, spot check measurements were performed on the subject device for the following test items, the test result were consistent with FCC ID: 2AJOTTA-1184.

Assertions concerning the similarity of these devices are based on representations by the applicant. The applicant accepts full responsibility for the validity of the similarity claim, and for the determination that verification test data are sufficient to support it.

| Test Item | Mode | 2AJOTTA-1184 Worst Result | 2AJOTTA-1183 Worst Result | Difference (dB) |
|--|-------------|------------------------------|------------------------------|-----------------|
| Radiated Spurious Emission (dBuV/m) | BT (BR/EDR) | 55.35 | 51.93 | 3.75 |
| | BT (LE) | 38.55 | 38.27 | 0.28 |
| | 11g 2.4GHz | 43.57 | 42.51 | 1.06 |



Appendix A. Reference Report

Please refer to Sporton report number FR930509-01A which is issued separately.