FCC RF Test Report

APPLICANT	:	**HMD global Oy**
EQUIPMENT	:	**Mobile Phone**
BRAND NAME	:	**Nokia**
MODEL NAME	:	**TA-1188**
FCC ID	:	**2AJOTTA-1188**
STANDARD	:	**47 CFR Part 15 Subpart C §15.247**
CLASSIFICATION	:	**(DTS) Digital Transmission System**

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.

James Huang

Approved by: James Huang / Manager

NVLAP TESTING
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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR930509B	Rev. 01	Initial issue of report	Apr. 16, 2019

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-1188
FCC ID	2AJOTTA-1188
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/DC-HSDPA/HSPA+/LTE WLAN 11b/g/n HT20 Bluetooth BR/EDR/LE FM Receiver/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	40
Carrier Frequency of Each Channel	40 Channel(37 hopping + 3 advertising channel)
Antenna Type / Gain	IFA Antenna with gain -0.18 dBi
Type of Modulation	Bluetooth LE : GFSK

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-1188, FCC ID: 2AJOTTA-1188) 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. FR930509-01B 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-1188 Worst Result	Difference (dB)
Peak Conducted Power (dBm)	BT (1Mbps)	9.13	8.71	0.42
	BT (2Mbps)	8.29	7.92	0.37
	BT (3Mbps)	8.45	7.93	0.52
	BT LE	-2.15	-2.90	0.75
	802.11b	18.09	17.83	0.26
	802.11g	23.97	23.25	0.72
	11n HT20	22.92	22.57	0.35
Radiated Spurious Emission (dBuV/m)	BT (BR/EDR)	55.35	56.79	1.44
	BT (LE)	38.55	37.92	0.63
	11g 2.4GHz	43.57	41.64	1.93

Appendix A. Reference Report

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