FCC RF Test Report

APPLICANT	:	**HMD Global Oy**
EQUIPMENT	:	**Mobile Phone**
BRAND NAME	:	**Nokia**
MODEL NAME	:	**TA-1196**
FCC ID	:	**2AJOTTA-1196**
STANDARD	:	**47 CFR Part 2, 22(H), 24(E)**
CLASSIFICATION	:	**PCS Licensed Transmitter Held to Ear (PCE)**

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 procedures given in ANSI C63.26-2015 and shown 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.

Jason Jia

Reviewed by: Jason Jia / Supervisor

James Huang

Approved by: James Huang / Manager

ACCREDITED Cert #5145.02

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG952704-01A	Rev. 01	Initial issue of report	Jul. 29, 2019

1 General Description

1.1 Applicant

HMD Global Oy
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1.2 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Nokia
Model Name	TA-1196
FCC ID	2AJOTTA-1196
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/ DC-HSDPA/HSPA+(16QAM uplink is not supported) LTE/FM Receiver/GNSS/NFC WLAN 2.4GHz 802.11b/g/n HT20 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	LLDM690A
SW Version	LLDB701
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.

1.3 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	**GSM/GPRS/EDGE:** 850: 824.2 MHz ~ 848.8 MHz 1900: 1850.2 MHz ~ 1909.8MHz **WCDMA:** Band V: 826.4 MHz ~ 846.6 MHz
Rx Frequency	**GSM/GPRS/EDGE:** 850: 869.2 MHz ~ 893.8 MHz 1900: 1930.2 MHz ~ 1989.8 MHz **WCDMA:** Band V: 871.4 MHz ~ 891.6 MHz
Antenna Type	PIFA Antenna
Antenna Gain	Cellular Band: -2.00 dBi PCS Band: -0.80 dBi
Type of Modulation	GSM: GMSK GPRS: GMSK EDGE: GMSK / 8PSK WCDMA: BPSK (Uplink) HSDPA/DC-HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) HSPA+: 16QAM (uplink is not supported) DC-HSDPA: 64QAM

1.4 Modification of EUT

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

1.5 Re-use of Measured Data

1.5.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: TA-1196, FCC ID: 2AJOTTA-1196) is electrically identical to the reference device (Model: TA-1178, FCC ID: 2AJOTTA-1178) for the portions of the circuitry corresponding to the data being re-used, as treated by KDB Publication 484596 D01.

1.5.2 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. FG952704A for the reference device Model: TA-1178, FCC ID: 2AJOTTA-1178).

1.5.3 Reference detail Section:

Equipment Class	Reference FCC ID	Folder Test	Report Title/Section
PCE (2G/3G)	2AJOTTA-1178	Part22H.24E.27L (FG952704A)	All sections applicable for GSM 850/1900 and WCDMA Band V

1.5.4 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 radiated spurious emission, the test result were consistent with FCC ID: 2AJOTTA-1178.

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	2AFZZ-RMSC3EG Worst Result	2AFZZ-RMSC3EH Worst Result	Difference (dB)
Radiated Spurious Emission (Haromic) (dBm)	GSM 850	-40.24	-44.89	4.65
	GSM1900	-47.57	-52.29	4.72

Appendix A. Reference Report

Please refer to Sporton report number FG952704A which is issued separately.