

FCC ID: PDNRA-2

## Nokia response to FCC question:

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**Qu. 1)** Please provide SAR report per Supplement C recommendations.

**Response:** Please find attached SAR report: Oulu\_SAR0426\_01.

Additionally for this product, please note the following:

**a:** GSM 1900, GPRS 1900 or EGPRS 1900 can transmit simultaneously with either WLAN or BT. WLAN and BT cannot transmit simultaneously.

**b:** Modified Summary tables of the SAR report are given below, detailing the SAR values and radiated power levels for all the measured transmit modes that gave the highest values (Note that EGPRS mode was not measured, because maximum averaged output power is more than 2 dB lower in EGPRS mode than in GPRS mode).

### 1.2.1 Head Configuration

Mode	Ch / f (MHz)	EIRP	Position	SAR limit (1g avg)	Measured SAR value (1g avg)	Result
1-slot GSM1900	512/1850.2	31.47 dBm	Left, Tilt	1.6 W/kg	0.86 W/kg	PASSED
WLAN2450	1/2412.0	23.15 dBm	Left, Cheek	1.6 W/kg	0.06 W/kg	PASSED
1-slot GSM1900 + WLAN2450	-	-	-	1.6 W/kg	0.92 W/kg *	PASSED

\* This value is an overestimate of SAR since the maxima for GSM1900 and WLAN do not occur in either the same location or for the same test configuration.

### 1.2.2 Body Worn Configuration

Mode	Ch / f (MHz)	EIRP	Separation distance	SAR limit (1g avg)	Measured SAR value (1g avg)	Result
2-slot GPRS1900	810/1909.8	29.40 dBm	1.5 cm	1.6 W/kg	1.22 W/kg	PASSED
WLAN2450	13/2472.0	23.58 dBm	1.5 cm	1.6 W/kg	0.31 W/kg	PASSED
2-slot GPRS1900 + WLAN2450	-	-	1.5 cm	1.6 W/kg	1.53 W/kg **	PASSED

\*\* This value is an overestimate of SAR since the maxima for GSM1900 and WLAN do not occur in the same location.

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**c:** As the device does not have an external RF connector, it was not possible to make conducted measurements of the output power. As a result, only radiated power (EIRP) levels were measured.

EIRP values were measured by Natlabs (Hyvinkaa, Finland) and Cetecom (Saarbrücken, Germany) and were not repeated during SAR measurements because the SAR lab is not able to measure radiated power. The product was not reconfigured between EMC, EIRP and SAR tests and was carefully packaged for transportation between the various test labs. The power settings are stored in digital memory and were the same for EMC, EIRP and SAR tests.

Radiated power levels for 1-slot GSM1900 are given in the EMC report. The attachment (Output power report 2\_3666-02-01\_04 RA-2) contains the radiated power results for WLAN and 2-slot GPRS1900.

For your convenience, radiated output powers (dBm) are given in the table below:

	Low channel	Mid channel	High channel
<b>WLAN</b>	23.82	23.69	23.58
<b>1-slot GSM1900</b>	31.47	30.29	28.82
<b>2-slot GPRS1900</b>	29.5	29.4	29.4