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Approved	Rev	File / Reference 010_OPER.doc

List of General Information Required for Certification

In Accordance with FCC Rules and Regulations,
CFR 47, Part 2, 15 and 24

Sub-Part

2.1033 (c) Technical Description of Equipment

(1) Name of Applicant:

Research In Motion (RIM) Limited
RIM is the applicant and the manufacturer of the device described herein. For mailing address refer to the Form 731

(2) FCC Identifier:

L6AR1900G-1-4

(3) Operating Manual:

Refer to Exhibit – Users Manual

(4) Type of Emission:

307KGXW*
Two-level Gaussian Minimum Shift Key (GMSK) frequency modulation.

* Refer to Exhibit - Test Report, Sub-section 5.7.5.1.

(5) Frequency Range:

Rx : 1930 MHz to 1990 MHz, 200 kHz channel resolution.
Tx : 1850 MHz to 1910 MHz, 200 kHz channel resolution.

(6) Operating Power Output Levels:

The transmitter is capable of generating RF power at several calibrated levels, ranging from +0 dBm to +30 dBm. This range of output power is controlled to sixteen discrete levels in increments of 2 dBm. The power levels are automatically device selected to balance link with receive power. Not user adjustable.



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(7) Maximum Power Rating:

As defined in the applicable parts of the rules:

2.1046 and 24.232 – Mobile/portable stations are limited to 2 Watts EIRP peak power.

Authorization requested (maximum): 1.38 Watts (31.4 dBm)[#]

[#] Refer to the Exhibit - Test Report, Sub-section 5.6.4.

(8) Voltages & Currents In All Elements In Final R.F. Amplifying Device:

Final RF amplifying device is a solid state MOSFET hybrid power module. The module generates about 50% more power than required to overcome RF path loss between the module and the output terminal. Bias points are for rated output power at the output terminal. The module has a supply line with bias Vs and Is, and a gain control line with bias Vc and Ic.

Power Level	Power Level (dBm)	Vs (V)	Is (A)	Vc (V)	Ic (mA)
0	30	3.8	1.01	1.54	1.3
1	28	3.8	.80	1.44	1.2
2	26	3.8	.65	1.38	1.0
3	24	3.8	.56	1.32	.9
4	22	3.8	.49	1.28	.9
5	20	3.8	.45	1.24	.8
6	18	3.8	.41	1.21	.8
7	16	3.8	.38	1.17	.7
8	14	3.8	.35	1.14	.7
9	12	3.8	.32	1.12	.7
10	10	3.8	.30	1.09	.6
11	8	3.8	.28	1.07	.6
12	6	3.8	.25	1.05	.6
13	4	3.8	.23	1.03	.6
14	2	3.8	.21	1.01	.5
15	0	3.8	.20	0.99	.4