

TEST REPORT REFERENCE: R70290_A Edition 1

2 TECHNICAL DATA OF EQUIPMENT

2.1 DEVICE UNDER TEST

Type of equipment: *	802.11b and g Wireless LAN module
Type designation: *	cB-OWSPA311qi-06 (internal antenna) / cB-OWSPA311gx-06 (external antenna)
FCC ID: *	PVH090802
Antenna type / gain: *	External or internal, refer table below
Antenna connector: *	With internal antenna, no antenna connector is mounted. Using external antennas, two UFL connectors were used.
Power supply: *	3.3 V DC to 5.5 V DC
Type of modulation: *	DSSS/OFDM (CCK / DQPSK, depends on data-rate and the 802.11-mode)
Operating frequency range:*	2.412 to 2.462 GHz (11 channels with 5 MHz channel separation)
Data rate:*	1 Mbps to 54 Mbps
Number of channels: *	11
Temperature range: *	-30 °C to +85 °C
Highest / lowest internal frequency: *	2.462 GHz / 32 kHz

*: declared by the applicant

Used antennas:

Manufacturer, model name*	Antenna type	Antenna location	Antenna gain*	Cable length
Fractus FR05-01-N-0-001	Patch	Internal	+1.1 dBi	-
Centurion NanoBlue-IP04, MAF94045	Patch	External	+2.0 dBi	100 mm
Centurion WCR-2400-IP04, MAF94017	Monopole	External	+2.0 dBi	100 mm
Mobile Mark PSTG0-2400HS	Monopole	External	0.0 dBi	-
Joymax IHF-242	Monopole	External	+2.0 dBi	1.5 m
Joymax IH-151	Monopole	External	+5.0 dBi	0 cm / 50 cm / 3m
Joymax IG-103	Monopole	External	+8.5 dBi	30 cm / 3 m
Huber + Suhner SPA 2400/75/8/0/V	Patch	External	+7.5 dBi	50 cm / 3 m
Huber + Suhner SOA 2400/360/6/20/V	Monopole	External	+6.0 dBi	30 cm / 3 m
Huber + Suhner SOA 2400/360/4/20/V	Monopole	External	+4.0 dBi	0 cm / 30 cm / 1.5 m / 3 m

*: declared by the applicant

The following external I/O cables were used:

Cable	Length	Shielding	Connector
DC in (carrier board)	2 m *	No	6.3 mm jack plug
RS 232 (carrier board)	2 m *	Yes	9 pole D-Sub connector

*: Length during the test if no other specified.