

FCC ID: QVJSAP300
Access Point 300

Exhibit 2c

Engineering Report on
Maximum Peak Output Power (15.247 (b)(3))

Section C, Test: Maximum Peak Output RF Power

FCC ID: QVJSAP300

Client: FleetMind Solutions

Product: Access Point 300, Model: S-AP-300

Test: Maximum Peak Output RF Power**FCC ID: QVJSAP300****Client: FleetMind Solutions****Product: Access Point 300, Model: S-AP-300****Ref.: FCC Part 15.247(b)(1)**

Criteria: The maximum peak output power shall not exceed 1 watt (30 dBm). If directional transmitting antennas with a gain of more than 6 dB are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dB.

Condition: Conducted Test

Procedure: The maximum peak output RF power was measured by conducted method. The DUI was configured to operate at maximum power and the antenna port was connected to the spectrum analyzer via cable. Tests were done for Low (906.0MHz), Medium (915.0MHz) and High (924.0MHz) channels. Results are shown in table c1.

The spectrum analyzer settings were adjusted as follows:

Resolution BW:	3 MHz
Video BW:	3 MHz
Span:	5.0 MHz
Reference Level:	30.0 dBm
Sweep Time:	20 ms
Attenuator:	50 dB
Detector Function:	Peak

Equipment: See Appendix A.

Test Set-ups: See Figure No. c1.

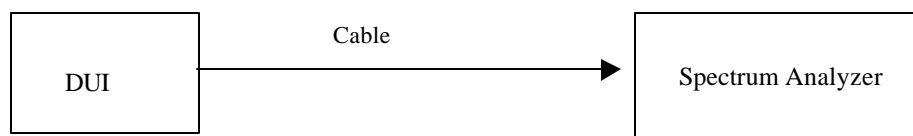


Figure c1: Test set up for the Conducted Power Measurement**Test: Maximum Peak Output RF Power***FCC ID: QVJSAP300**Client: FleetMind Solutions**Product: Access Point 300, Model: S-AP-300***Test Results:**

Table c1
Maximum Peak Output RF Power: Conducted

FREQ (MHz)	Channel	Measured Power (dBm)	Cable Loss (dB)	Output Power (dBm)	Output Power (mW)	Limit (dBm)	Margin (dB)	Pass/Fail
906.0	Low	19.8	0.5	20.3	107.2	30.0	9.7	Pass
915.0	Medium	19.4	0.5	19.9	97.7	30.0	10.1	Pass
924.0	High	19.2	0.5	19.7	93.3	30.0	10.3	Pass

Conclusion: Pass. Since the gain of the built-in antenna specified by manufacturer ($G_{\text{ant}} = 5.2 \text{ dBi}$) does not exceed 6.0 dBi there was no need to reduce the output power.

Test performed by: Yingchi Chen Date: April, 2003

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Pictures of Test Set-up

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**FleetMind – Access Point
Maximum Peak Output RF Power Measurement (Conducted)**