

FCC ID: QVJSAP300
Access Point 300

Exhibit 2b

Engineering Report on
Direct Sequence Bandwidth(15.247(a)(2))

Section B, Test: Direct Sequence Bandwidth

FCC ID: QVJSAP300

Applicant: FleetMind Solutions

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

Test: Direct Sequence Bandwidth

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Reference: FCC Part 15.247(a)(2)/Industry Canada RSS 210 Issue 5 Amendment I(iv)

Criteria: Minimum 6 dB bandwidth shall be at least 500KHz(0.5MHz).

Condition: Conducted Test

Methodology: Minimum 6 dB bandwidth was measured in accordance with the above noted paragraphs of the F.C.C. and Industry Canada Rules and Regulations. The test was performed in the conducted mode as shown in the set-up diagram, while the DUI was operating in transmission mode at the appropriate center frequency. The spectrum analyzer settings were adjusted as follows:

Resolution BW:	100 KHz
Video BW:	300 KHz
Span:	5.0 MHz
Reference Level:	20.0 dBm
Sweep Time:	20 ms
Attenuator:	40 dB
Detector Function:	Peak

Equipment: See Appendix A.

Set-up: See Figure: Test Set-up

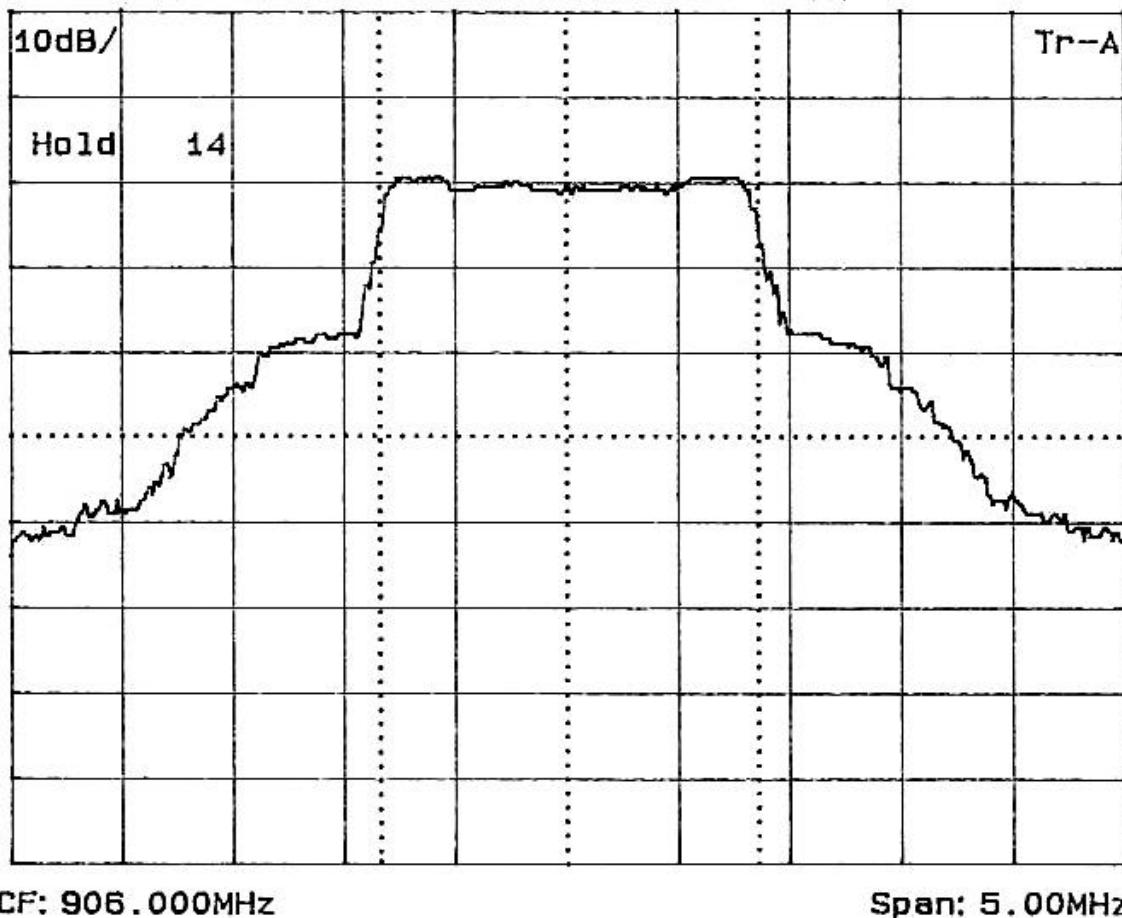


Figure: Test Set-up

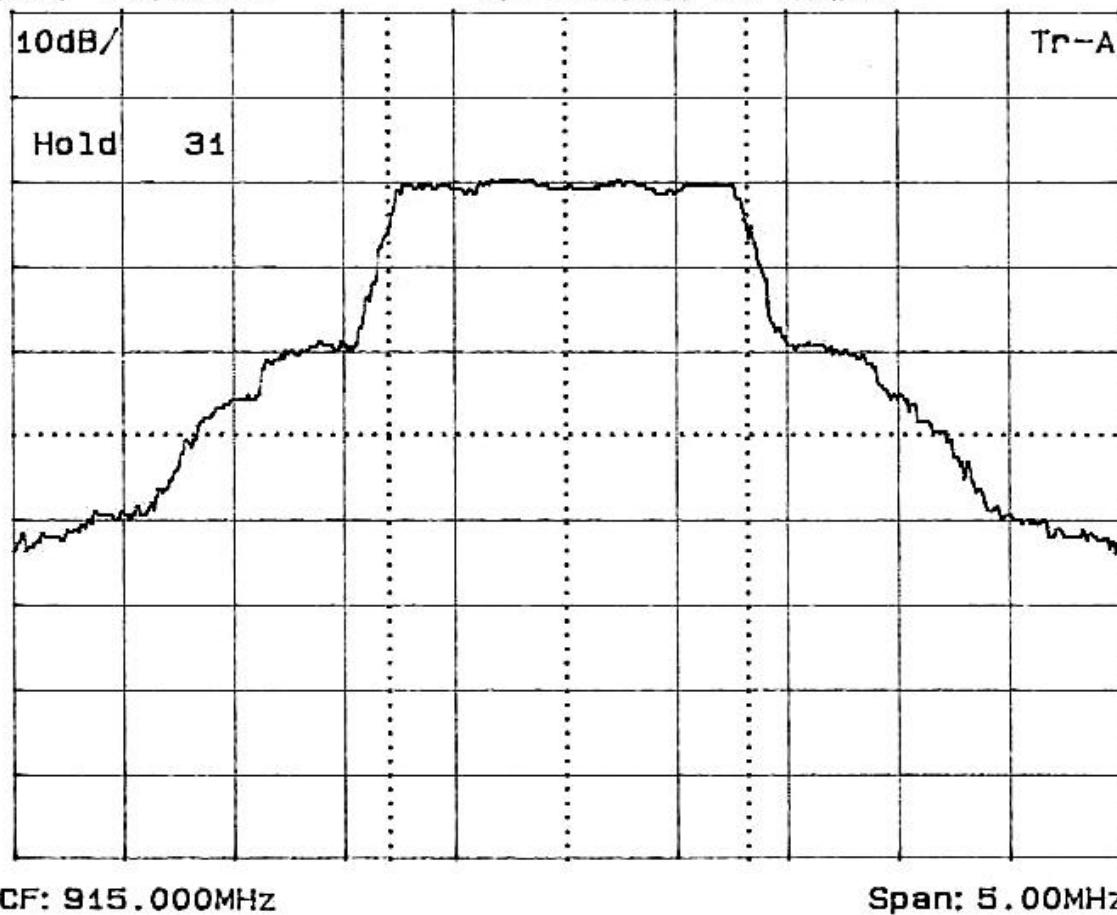
Test: Direct Sequence Bandwidth**FCC ID: QVJSAP300****Applicant: FleetMind Solutions****Product: Access Point 300, Model: S-AP-300****Test Results:** Test Data is tabulated in Tables b1. Plots are also attached.**Table b1 Measurement Results**

Channel	Center Freq (MHz)	6dB Bandwidth (MHz)	Pass/Fail
1	906.0	1.700	Pass
4	915.0	1.630	Pass
7	924.0	1.580	Pass

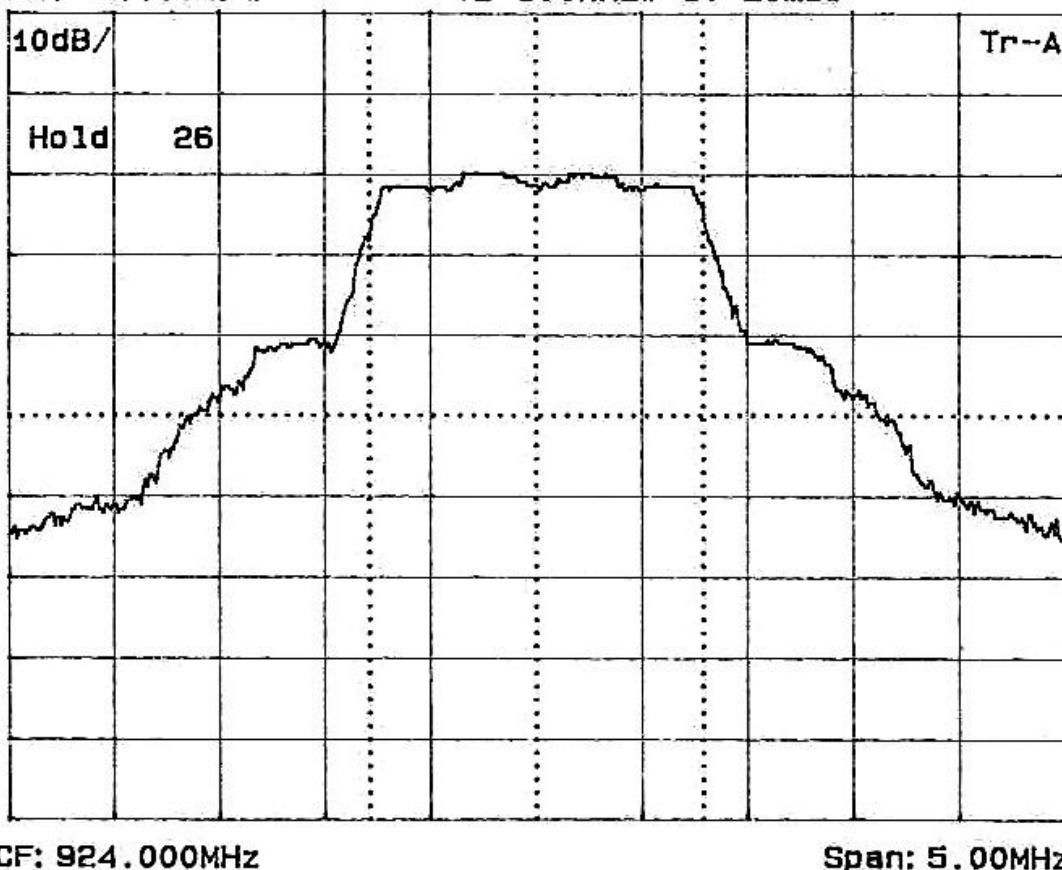
Conclusion: The unit complies with the requirements. The 6dB bandwidth is 1.580 MHz at channel 1, centre frequency is 924.0 MHz.**Test performed by:** Yinghi Chen **Date:** April, 2003

Test: Direct Sequence Bandwidth**FCC ID: QVJSAP300****Applicant: FleetMind Solutions****Product: Access Point 300, Model: S-AP-300****OccBW: 1.700 MHz****FleetMind****CTR: 906.020 MHz****RB 100kHz# AT 40dB Band auto****RLV: 20.00dBm****VB 300kHz# ST 20ms#**

FleetMind/Access Point
Direct Sequence Bandwidth
Center Frequency: 906.0MHz

Test: Direct Sequence Bandwidth**FCC ID: QVJSAP300****Applicant: FleetMind Solutions****Product: Access Point 300, Model: S-AP-300****OccBW: 1.630 MHz****FleetMind****CTR: 915.015 MHz****RB 100kHz# AT 40dB Band auto****RLV: 20.00dBm****VB 300kHz# ST 20ms#**

FleetMind/Access Point
Direct Sequence Bandwidth
Center Frequency: 915.0MHz

Test: Direct Sequence Bandwidth**FCC ID: QVJSAP300****Applicant: FleetMind Solutions****Product: Access Point 300, Model: S-AP-300****OccBW: 1.580 MHz****FleetMind****CTR: 924.010 MHz****RB 100kHz# AT 40dB Band auto****RLV: 20.00dBm****VB 300kHz# ST 20ms#**

FleetMind/Access Point
Direct Sequence Bandwidth
Center Frequency: 924.0MHz

Test: Direct Sequence Bandwidth

FCC ID: QVJSAP300

Applicant: FleetMind Solutions

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

Pictures of Test Set-up

Test: Direct Sequence Bandwidth

FCC ID: QVJSAP300

Applicant: FleetMind Solutions

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



Test Set-up for Direct Sequence Bandwidth Measurement
FleetMind/Access Point