

FCC ID: QVJSM110T
FleetLink M1 OBC, Model S-M1-10-T

Exhibit 2b

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

Section B, Test: Direct Sequence Bandwidth

FCC ID: QVJSM110T

Client: FleetMind Solutions

Product: FleetLink M1 OBC, Model S-M1-10-T

Test: Direct Sequence Bandwidth

FCC ID: QVJSM110T

Client: FleetMind Solutions

Product: FleetLink M1 OBC, Model S-M1-10-T

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

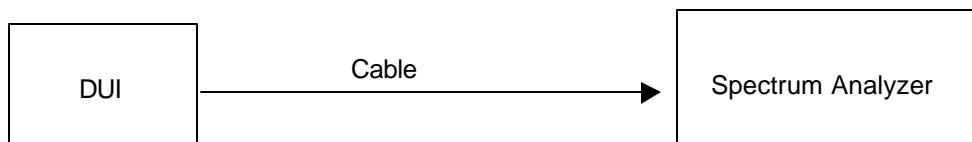


Figure: Test Set-up

Test: Direct Sequence Bandwidth**FCC ID: QVJSM110T****Applicant: FleetMind Solutions****Product: FleetLink M1 OBC, Model S-M1-10-T**

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	1.870	Pass
4	915.0	1.820	Pass
7	924.0	1.780	Pass

Conclusion: The unit complies with the requirements. The 6dB bandwidth is 1.870 MHz at channel 1, centre frequency is 906.0 MHz.

Tested by:

Yinghui ChenDate: December 2002

Test: Direct Sequence Bandwidth

FCC ID: QVJSM110T

Applicant: FleetMind Solutions

Product: FleetLink M1 OBC, Model S-M1-10-T

OccBW: 1.870 MHz

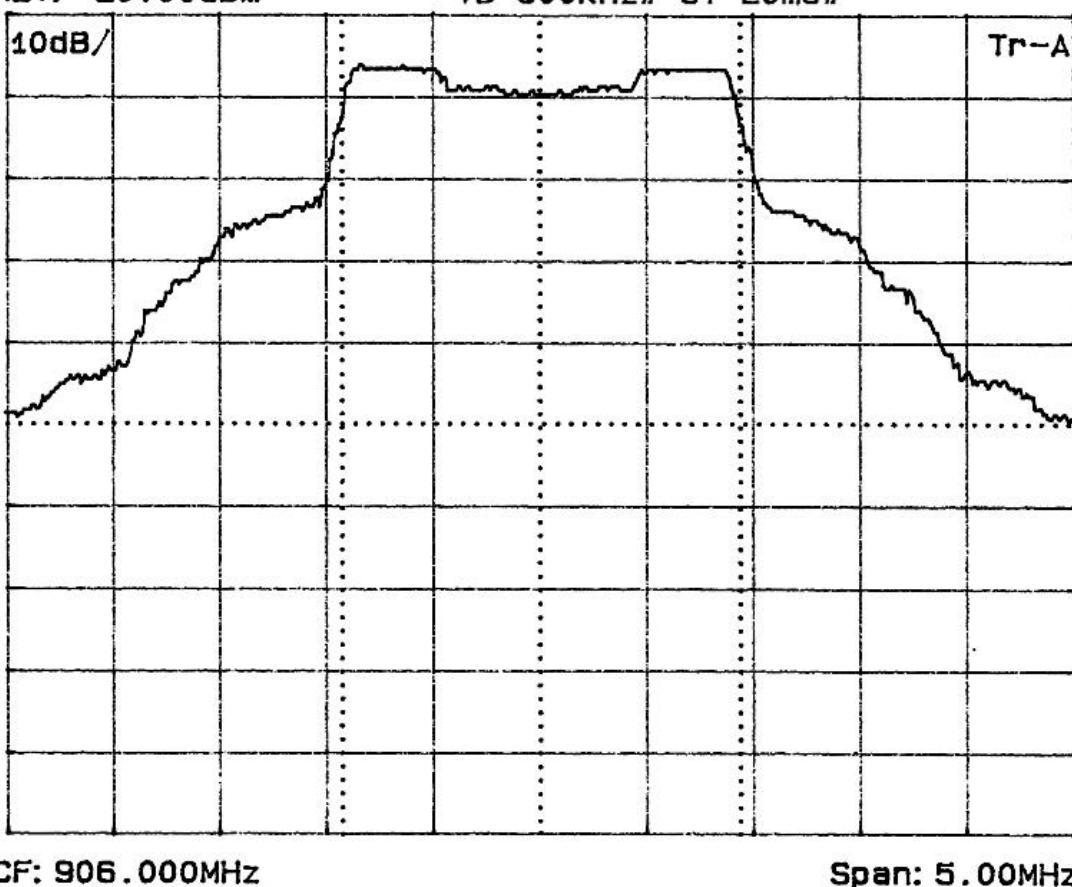
FleetMind

CTR: 906.015 MHz

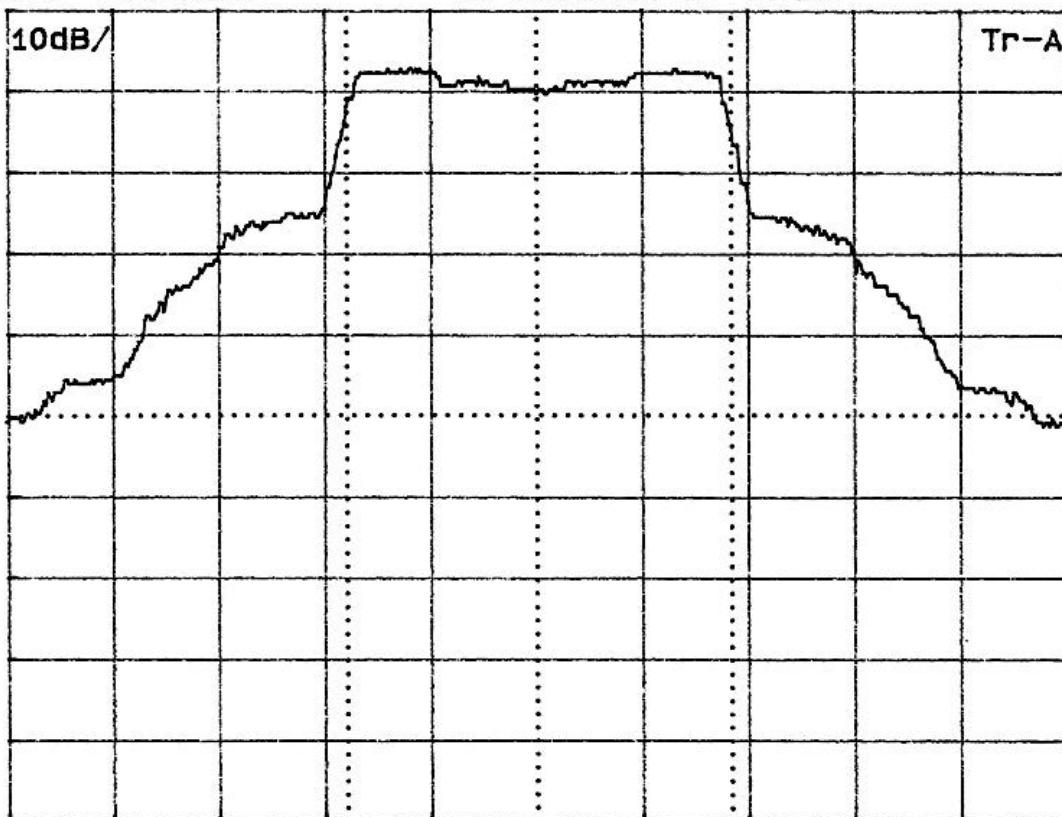
BB 100kHz# AT 40dB Band auto

RLV: 20.00dBm

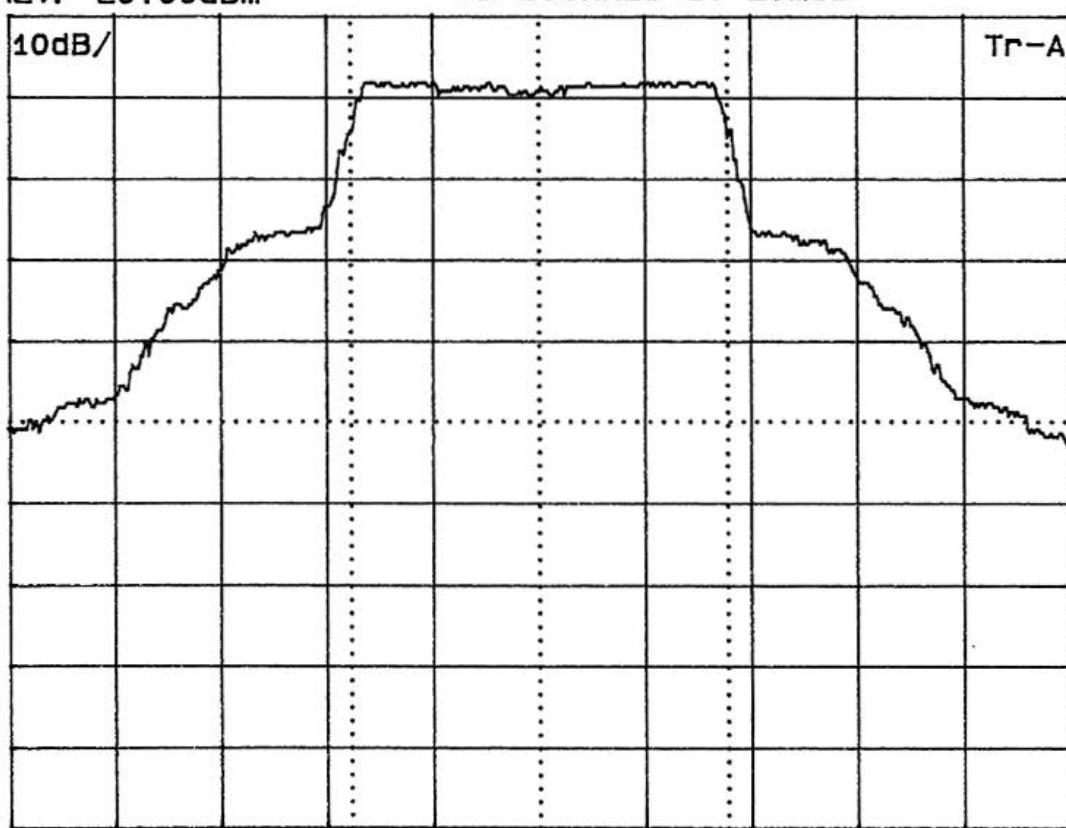
VB 300kHz# ST 20ms#



FleetMind/FleetLink M1 OBC
Direct Sequence Bandwidth
Center Frequency: 906.0MHz

Test: Direct Sequence Bandwidth**FCC ID: QVJSM110T****Applicant: FleetMind Solutions****Product: FleetLink M1 OBC, Model S-M1-10-T****OccBW: 1.820 MHz****FleetMind****CTR: 915.010 MHz****RB 100kHz# AT 40dB Band auto****RLV: 20.00dBm****VB 300kHz# ST 20ms#****CF: 915.000MHz****Span: 5.00MHz**

FleetMind/FleetLink M1 OBC
Direct Sequence Bandwidth
Center Frequency: 915.0MHz

Test: Direct Sequence Bandwidth**FCC ID: QVJSM110T****Applicant: FleetMind Solutions****Product: FleetLink M1 OBC, Model S-M1-10-T****OccBW: 1.780 MHz****FleetMind****CTR: 924.010 MHz****RB 100kHz# AT 40dB Band auto****RLV: 20.00dBm****VB 300kHz# ST 20ms#****CF: 924.000MHz****Span: 5.00MHz**

FleetMind/FleetLink M1 OBC
Direct Sequence Bandwidth
Center Frequency: 924.0MHz

Test: Direct Sequence Bandwidth

FCC ID: QVJSM110T

Applicant: FleetMind Solutions

Product: FleetLink M1 OBC, Model S-M1-10-T

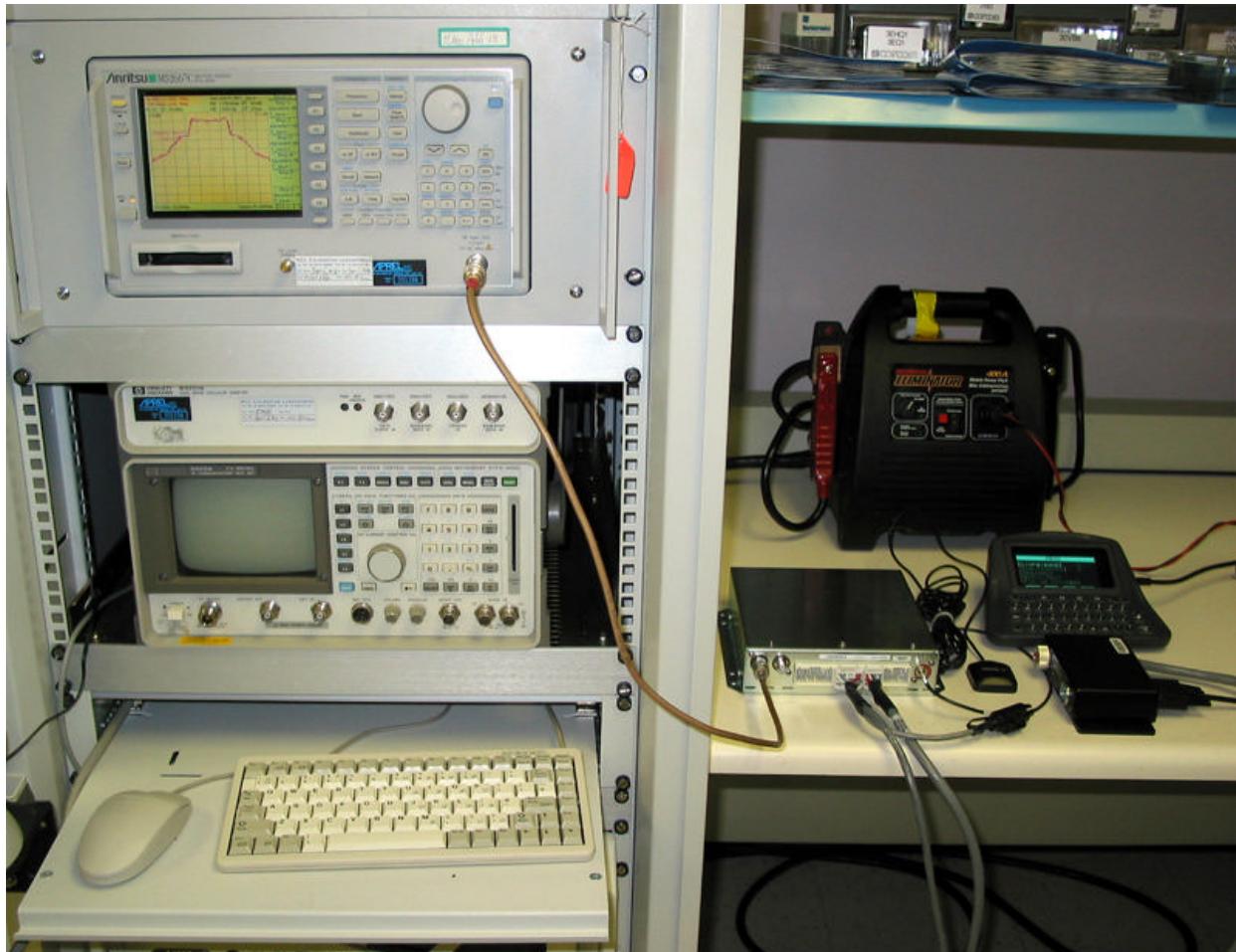
Pictures of Test Set-up

Test: Direct Sequence Bandwidth

FCC ID: QVJSM110T

Applicant: FleetMind Solutions

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Test Set-up for Direct Sequence Bandwidth Measurement
FleetMind/FleetLink M1 OBC