

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

Exhibit 2c

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

Section C, Test: Maximum Peak Output RF Power

FCC ID: QVJSM110T

Client: FleetMind Solutions

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

Test: Maximum Peak Output RF Power**FCC ID:** QVJSM110T**Client:** FleetMind Solutions**Product:** FleetLink M1 OBC, Model S-M1-10-T**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:	20.0 dBm
Sweep Time:	20 ms
Attenuator:	40 dB
Detector Function:	Peak

Equipment: See Appendix A.

Test Set-ups: See Figure No. c1.

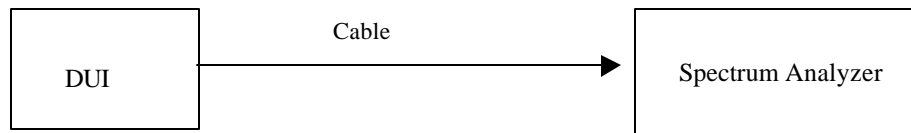


Figure c1: Test set up for the Conducted Power Measurement

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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	18.5	1.0	19.5	89.1	30.0	10.5	Pass
915.0	Medium	18.0	1.0	19.0	79.4	30.0	11.0	Pass
924.0	High	17.5	1.0	18.5	70.8	30.0	11.5	Pass

Conclusion: Pass. Since the higher gain of the two antennas is Gant= 4.64 dBi as specified by manufacturer (see page 7 of the introduction) and it does not exceed 6.0 dBi, there was no need to reduce the output power.

Tested by:

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Date:

December 2002

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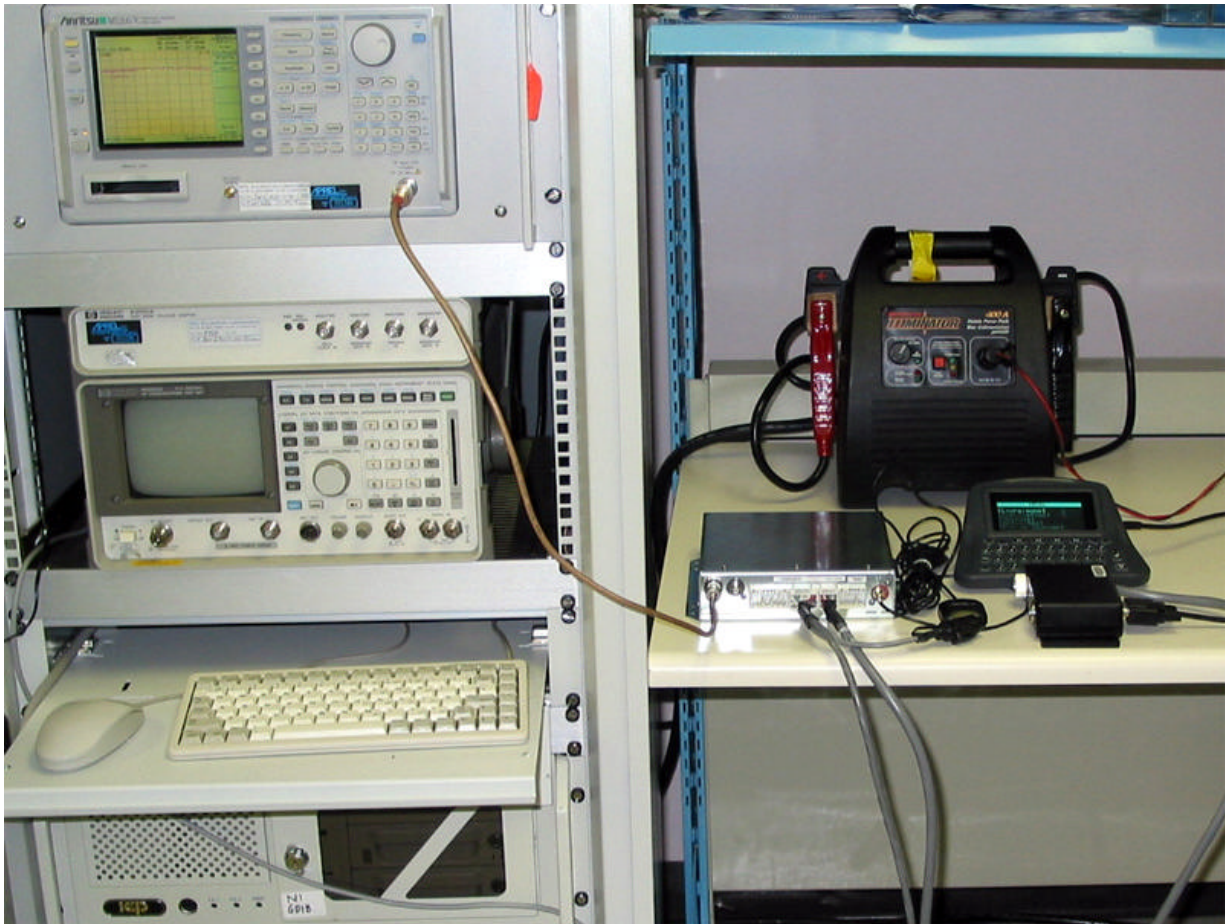
Pictures of Test Set-up

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**FleetMind – FleetLink M1 OBC
Maximum Peak Output RF Power Measurement (Conducted)**