



## STATEMENT

This filing constitutes a formal submittal for equipment certification pursuant to parts 22, 24, 25 & 15.247 of FCC rules (CFR 47).

**Company Name: Wireless Matrix Corporation**

**FCC ID: P5IMBS2A**

**IC ID: 1478A-MBS2A**

**Model# MBS1000-2**

MBS1000-2 is a mobile base station with GSM 850/1900, 802.11b WLAN & Satellite transmitters.

<u>Radio</u>	<u>Manufacturer</u>	<u>Model#</u>
GSM 850/1900	Motorola	DB1
802.11b WLAN	Cisco	AIR-LMC352
Satellite	Wireless Matrix	MBS1000-2

### ANTENNA DETAILS

EIRP measurements are done with following antennas installed in the unit for respective bands. Please refer to respective EMC test reports.

GSM	Monopole
WLAN	Elevated Dipole
Satellite	Cross-Dipole

Since GSM & WLAN modules are pre-approved by FCC, therefore only radiated testing is done on these radios. All conducted measurements are used from the modular approval test reports.

### SUMMARY OF TESTING

#### **EMC/Radio Test Reports:**

##### ***Test report no. EMC\_624FCC15.247\_2004\_WLAN***

This test report covers all Radiated testing done in 2.4GHz band with 802.11b WLAN transmitter in the EUT.

##### ***Test report no. MFA\_p0080005\_cond\_WLAN***

This test report covers all conducted testing for WLAN module.

##### ***Test report no. EMC\_624FCC22-24\_2004\_GSM***

This test report covers all Radiated testing done in GSM 850/1900 band with GSM transmitter in the EUT.

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***Test report no. 10361-1\_cond\_GSM***

This test report covers all conducted testing for GSM module.

***Test report no. EMC\_624FCC25\_2004\_SAT***

This test report covers all Radiated & conducted testing done in Satellite band with SAT transmitter in the EUT.

***Test report no. EMC\_624FCC15.247\_2004\_COLLOC***

This test report covers Radiated testing with all three transmitters transmitting at the same time in the EUT.

**RF Exposure**

Since the main use of the EUT is when mounted overhead vehicles. This installation ensures more than 20cm distance between all transmitting antennas and human body. Therefore no SAR measurements are required. Please refer to MPE calculations.

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