Company: Mimosa Networks

Test of: A5c, A5-14, A5-18

To: FCC CFR 47 Part 15 Subpart E 15.407

Report No.: MIMO09-MPE

MPE TEST REPORT

MPE TEST REPORT

FROM

Test of: Mimosa Networks A5c, A5-14, A5-18

to

To: FCC CFR 47 Part 15 Subpart E 15.407

Test Report Serial No.: MIMO09-MPE

This report supersedes: NONE

Applicant:	Mimosa Networks 469 El Camino Real, Suite 100 Santa Clara California 95050 USA
Product Function:	4.9 - 5.8 GHz Wireless Access Point
Issue Date:	2nd August 2016

This Test Report is Issued Under the Authority of:

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels
Power Density = Pd (mW/cm^2) = EIRP/(4*π*d^2)
EIRP = P * G
P = Peak output power (mW)
G = Antenna numeric gain (numeric)
d = Separation distance (cm)
Numeric Gain = 10 ^ (G (dBi)/10)
Because the EUT belongs to the General Population/Uncontrolled Exposure the limit of power density is 1.0 mW/cm^2

The calculations in the table below use the highest conducted power values together with the lowest antenna gain specified for the EUT. These calculations represent worst case in terms of the exposure levels.

Freq. Band (MHz)	Ant Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Safe Distance @ 1mW/cm^2	Calculated Power Density @ 20cm	Minimum Separation Distance (cm)
5725.0 - 5850.0	5.00	3.16	29.69	931.1	15.3	0.59	20.00
5150.0 - 5250.0	5.00	3.16	29.66	924.7	15.3	0.58	20.00
5250.0 - 5350.0	5.00	3.16	23.69	233.9	7.70	0.15	20.00
5470.0 - 5725.0	5.00	3.16	22.81	191.0	6.90	0.12	20.00
4940.0 – 4990.0	5.00	3.16	18.83	76.4	4.40	0.05	20.00

Note: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

Specification
Maximum Permissible Exposure Limits

FCC §1.1310 Limit = 1mW / cm^2 from 1.310 Table 1

RSS-Gen §3.2 In addition to RSS-Gen, the requirements in Radio Standards Specification RSS-102 shall be met.

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