Company: Xirrus

Test of: 802.11 a/b/g/n Outdoor Wireless LAN Access Point 2x2 MIMO

To: FCC CFR 47 Part 15 Subpart E 15.407 MPE

Report No.: XIRR11-U3c Rev A

MPE TEST REPORT

MPE TEST REPORT

FROM

Test of: Xirrus XR520H

to

To: FCC CFR 47 Part 15 Subpart E 15.407

Test Report Serial No.: XIRR11-U3c Rev A

This report supersedes: NONE

Applicant:	Xirrus 2101 Corporate Center Drive Thousand Oaks, California 91320 USA
Product Function:	Outdoor Wireless LAN Access Point
Issue Date:	8th Apr 2015

This Test Report is Issued Under the Authority of:

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TESTING CERT #2381.01

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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)
5250.0 - 5350.0	5.00	3.16	22.24	167.49	6.49	0.11	20.00
5470.0 - 5725.0	5.00	3.16	23.45	221.12	7.46	0.14	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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