



EMC Test Data

Client:	Aruba Networks	Job Number:	J96879
Model:	APINH205-2x2:2 MIMO 802.11a/b/g/n/ac Wireless Access Points	T-Log Number:	T96922
Contact:	Tian Mendez	Project Manager:	Christine Krebill
Standard:	FCC 15.247/FCC 15.407/RSS-210/LP0002	Project Coordinator:	-
		Class:	N/A

Maximum Permissible Exposure

Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 1/13/2015

Test Engineer: Mark Hill

General Test Configuration

Calculation uses the free space transmission formula:

$$S = (PG)/(4 \pi d^2)$$

Where: S is power density (W/m^2), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

Summary of Results

Device complies with Power Density requirements at 20cm separation:	Yes
---	-----

Modifications Made During Testing

No modifications were made to the EUT during testing

Deviations From The Standard

No deviations were made from the requirements of the standard.



EMC Test Data

Client:	Aruba Networks	Job Number:	J96879
Model:	APINH205-2x2:2 MIMO 802.11a/b/g/n/ac Wireless Access Points	T-Log Number:	T96922
Contact:	Tian Mendez	Project Manager:	Christine Krebill
Standard:	FCC 15.247/FCC 15.407/RSS-210/LP0002	Project Coordinator:	-
		Class:	N/A

Use: General
 Antenna: 4dBi @ 2.4GHz, 6dBi @ 5GHz

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2400 - 2483.5	OFDM	-	21.5	4.0	25.5	0.355	11	1	0.447	25.50
2401 - 2483.5	CCK	-	22.5	4.0	26.5	0.447				
5150 - 5250	OFDM	-	20.2	6.0	26.2	0.417	4	0	0.000	-
5250 - 5350	OFDM	-	20.6	6.0	26.6	0.457	4	0	0.000	-
5470 - 5725	OFDM	-	23.0	6.0	29.0	0.794	4	1	0.794	29.00
5725 - 5850	OFDM	-	20.7	6.0	26.7	0.468	5	0	0.000	-
Worse case totals for simultaneous transmission:							2		1.241	30.94

Worse case condition:	EIRP mW	Power Density (S) at 20 cm mW/cm^2	MPE Limit at 20 cm mW/cm^2
	1241	0.247	1.000

Note: Manufacturer stated the output power reported is the maximum output power, including manufacturing tolerances/tune-up.