



EMC Test Data

Client:	Wistron	Job Number:	J83984
Model:	DNMA-92 in Aerohive AP120	T-Log Number:	T84591
		Account Manager:	Deepa Shetty
Contact:	Serdar Ergene (Aerohive)		-
Emissions Standard(s):	FCC 15.247 / FCC 15.E	Class:	-
Immunity Standard(s):	-	Environment:	-

EMC Test Data

For The

Wistron

Model

DNMA-92 in Aerohive AP120

Date of Last Test: 10/19/2011

Client:	Wistron	Job Number:	J83984
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Contact:	Serdar Ergene (Aerohive)	Account Manager:	Deepa Shetty
Standard:	FCC 15.247 / FCC 15.E	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: 10/19/2011

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
Power Density at 20cm (mW/cm^2):	0.675
If not, required separation distance (in cm):	N/A

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.

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Use: General
 Antenna: Single Chain - 3.84dBi @ 2.4GHz, 5.95dBi @ 5GHz
 2x2 Operation: 6.43dBi @ 2.4GHz, 6.91dBi @ 5GHz

Power data taken from Sportan Report FR171319

MPE Calculation to address condition of one module transmitting in 2.4GHz band and a second module transmitting in a 5GHz band (UNII or DTS)

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2400 - 2483.5	-		26.5	6.4	32.9	1.945	-	1	1.945	32.89
5150 - 5850	OFDM		22.7	8.9	31.6	1.449	-	1	1.449	31.61
Totals:								2	3.394	35.31

Worse Case Condition

EIRP mW	Power Density (S) at 20 cm mW/cm ²	MPE Limit at 20 cm mW/cm ²
3394.13	0.675	1.000