

Client:	Enterasys Networks	Job Number:	J84799
Model:	AP2620	T-Log Number:	T85081
Contact:	John Ballew	Account Manager:	Sheareen Washington
Standard:	FCC 15.247, RSS-210	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: 11/11/2011

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:	No
Power Density (mW/cm^2) @ 20cm:	4.262
If not, required separation distance (in cm):	41.3

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: See notes below

The system incorporates a lock-out mechanism that limits one radio to 2.4GHz operation and the other radio to 5GHz operation.

Note - for the highest gain antennas, point to point operation allows for more than 4W EIRP

New 8dBi 2.4GHz Omni along with 17dBi antenna (highest 5GHz antenna approved)

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2400 - 2483.5	OFDM		22.9	8.0	30.9	1.230	11	1	1.230	30.90
5150 - 5250	OFDM		14.6	17.0	31.6	1.453	4	0	-	-
5250 - 5350	OFDM		14.9	17.0	31.9	1.554	4	0	-	-
5725 - 5850	OFDM		22.6	17.0	39.6	9.122	5	1	9.122	39.60
Totals:								2	10.352	40.15

18dBi 2.4GHz antenna (highest 2.4GHz antenna) along with 10dBi antenna 5GHz antenna

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2400 - 2483.5	OFDM		22.9	18.0	40.9	12.304	11	1	12.304	40.90
5150 - 5250	OFDM		14.6	10.0	24.6	0.290	4	0	-	-
5250 - 5350	OFDM		14.9	10.0	24.9	0.310	4	0	-	-
5725 - 5850	OFDM		22.6	10.0	32.6	1.820	5	1	1.820	32.60
Totals:								2	14.124	41.50

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5250 - 5350	OFDM		14.9	17.0	31.9	1.554	4	0	-	-
5725 - 5850	OFDM		22.6	17.0	39.6	9.122	5	1	9.122	39.60
Totals:								2	21.425	43.31

Worse Case Condition

EIRP mW	Power Density (S) at 20 cm mW/cm ²	MPE Limit at 20 cm mW/cm ²	Distance where S <= MPE Limit cm
21425.3	4.262	1.000	41.3