Client:	Flextronics	Job Number:	J89632
Model:	WS-AP3710e	T-Log Number:	T89830
		Account Manager:	Christine Krebill
Contact:	George Fares		
Standard:	15.247, 15.407, 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: 5/1/2013

Test Engineer: David Bare

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
If not, required separation distance (in cm):	-

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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Standard:	15.247, 15.407, RSS-210	Class:	N/A

Use: General

	Published antenna gain and feedline loss		Effective multi-chain antenna gain
Antenna:	6.5 dBi	2.4 GHz band	11.3 dBi
Antenna:	5.5 dBi	5 GHz bands	10.3 dBi
	Sector		

Band	Mode	Output Power		Antenna	EIRP		Channels	Channels	Total EIRP	
		Peak	Average	gain (Max)	dBm	W	Available	Used	W	dBm
2400 - 2483.5	OFDM	-	22.8	11.3	34.0	2.538	11	1	2.538	34.0
2400 - 2483.5	CCK	-	22.7	11.3	33.9	2.479				
5725 - 5850	OFDM	-	21.6	10.3	31.8	1.524	5	1	1.524	31.8
							Totals:	2	4.062	36.1

Band	Mode	Output Power		Antenna	EIRP		Channels	Channels	Total EIRP	
		Peak	Average	gain (Max)	dBm	W	Available	Used	W	dBm
2400 - 2483.5	OFDM	-	22.8	11.3	34.0	2.538	11	1	2.538	34.0
2400 - 2483.5	CCK	-	22.7	11.3	33.9	2.479				
5150 - 5250	OFDM	-	11.4	10.3	21.7	0.147	4	1	0.147	21.7
							Totals:	2	2.685	34.3

Maximum eirp is calculated as follows:
Uses the average power for each channel (where given), otherwise uses the peak power

Worst case Total EIRP

Total EIRP	Power Density(S) at 20 cm	MPE Limit at 20 cm	Distance where
mW	mW/cm^2	mW/cm^2	S <= MPE Limit
4062	0.808	1.000	18.0 cm