Client:	Flextronics	Job Number:	J89849
Model:	WS-AP3710i	T-Log Number:	T89870
		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: 12/27/2012
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
Antenna: 2 dBi internal

Band	Mode	Output Power		Antenna	EIRP		Channels	Channels	Total EIRP	
		Peak	Average	gain (Max)	dBm	W	Available	Used	W	dBm
2400 - 2483.5	OFDM	22.6	-	6.8	29.4	0.872	11	1	0.982	29.4
2400 - 2483.5	CCK	-	23.1	6.8	29.9	0.982				
5725 - 5850	OFDM	21.9	-	6.8	28.7	0.733	5	1	0.733	28.7
							Totals:	2	1.715	32.3

Band	Mode	Output Power		Antenna	EIRP		Channels	Channels	Total EIRP	
		Peak	Average	gain (Max)	dBm	W	Available	Used	W	dBm
2400 - 2483.5	OFDM	22.6	-	6.8	29.4	0.872	11	1	0.982	29.4
2400 - 2483.5	CCK	-	23.1	6.8	29.9	0.982				
5150 - 5250	OFDM	-	14.3	6.8	21.1	0.130	4	1	0.130	21.1
							Totals:	2	1.111	30.5

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
1715	0.341	1.000	11.7cm