



# EMC Test Data

Client:	Pace Americas	Job Number:	J93000
Model:	IPW8000 Wireless STB	T-Log Number:	T93085
		Project Manager:	Susan Hill
Contact:	Mark Rieger	Project Coordinator:	Irene Rademacher
Standard:	FCC, IC	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: 8/26/2013

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
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### 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: FCC, IC	Class: N/A

Use: General  
 Antenna: 7.9dBi (Directional gain)

### UNII Bands - n40 worse case mode

Freq. MHz	EUT Power		Cable Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 20 cm mW/cm <sup>2</sup>	MPE Limit at 20 cm mW/cm <sup>2</sup>
	dBm	mW*						
5190	14.8	30.2	0	7.9	14.8	186.21	0.037	1.000
5230	14.9	30.9	0	7.9	14.9	190.55	0.038	1.000
5270	21.7	147.9	0	7.9	21.7	912.01	0.181	1.000
5310	17.3	53.7	0	7.9	17.3	331.13	0.066	1.000
5510	21.9	154.9	0	7.9	21.9	954.99	0.190	1.000
5550	21.9	154.9	0	7.9	21.9	954.99	0.190	1.000
5670	21.8	151.4	0	7.9	21.8	933.25	0.186	1.000

### DTS Band - n40 worse case

Freq. MHz	EUT Power		Cable Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 20 cm mW/cm <sup>2</sup>	MPE Limit at 20 cm mW/cm <sup>2</sup>
	dBm	mW*						
5755	26.1	407.4	0	7.9	26.1	2511.89	0.500	1.000
5795	24.2	263.0	0	7.9	24.2	1621.81	0.323	1.000