



# EMC Test Data

Client:	Pace Americas, Inc.	Job Number:	J98591
Model:	HR54-700	T-Log Number:	T98678
		Project Manager:	Irene Radamacher
Contact:	Mark Rieger	Project Coordinator:	-
Standard:	FCC 15.247, 15.407	Class:	N/A

## Maximum Permissible Exposure / SAR Exclusion

### 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: 8/3/2015  
 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<sup>2</sup>), 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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### FCC MPE Calculation

Use: General  
 Antenna: Wifi - 2.4GHz: 3.3dBi; 5Gz: 4.1dBi  
 RF4CE: 4.9dBi

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2412 - 2462	OFDM		22.8	3.3	26.1	0.407	11	-		
2412 - 2462	CCK		20.3	3.3	23.6	0.229				
2425 - 2475	RF4CE		-0.9	4.9	4.0	0.003	1	1	0.003	4.00
5150 - 5250	OFDM		22.2	4.1	26.3	0.427	4	1	0.427	26.30
5250 - 5350	OFDM		21.6	4.1	25.7	0.372	4	-		
5470 - 5725	OFDM		22.2	4.1	26.3	0.427	11	-		
5725 - 5850	OFDM		22.0	4.1	26.1	0.407	5	-		
Totals:								2	0.429	26.33

Worse Case RF Exposure condition: Operation in the UNII1 (or 2c) band + RF4CE

### FCC MPE Total

Total EIRP mW	Power Density (S) at 20 cm mW/cm <sup>2</sup>	MPE Limit at 20 cm mW/cm <sup>2</sup>
429.09	0.085	1.000

Note: Manufacturer stated that the measured powers represent the maximum shipping power, including tolerances.