



EMC Test Data

Client:	Pace Americas, Inc.	Job Number:	J97787
Model:	5268AC (FCC ID: PGR5200AC)	T-Log Number:	T97825
Contact:	Mark Rieger	Project Manager:	Irene Rademacher
Standard:	FCC 15.407 (New Rules)	Project Coordinator:	-
		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: 9/16/2015

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^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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FCC MPE Calculation

Use: General

Antenna: 3.70dBi @ 2.4GHz, 8.08dBi directional @ 5GHz (taken from original filing)

Worse case calculation of simultaneous transmission

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2400 - 2483.5	OFDM	-	25.9	3.7	29.6	0.910	11	1	0.910	29.59
5150 - 5250	OFDM	-	27.8	8.1	35.9	3.873	4	1	3.873	35.88
5250 - 5350	OFDM	-	22.8	8.1	30.8	1.213	4	0	-	-
5470 - 5725	OFDM	-	22.2	8.1	30.3	1.074	5	0	-	-
5725 - 5850	OFDM	-	27.4	8.1	35.5	3.532	5	0	-	-
Totals:								2	4.783	36.80

EIRP mW	Power Density (S) at 20 cm mW/cm ²	MPE Limit at 20 cm mW/cm ²
4783	0.952	1.000