



Engineering Report 39719-2




Radiated Radio Frequency Emissions


in accordance with

RTCA/DO-160E, Section 21

for

**Delphi Medical Systems
5725 Delphi Drive
Troy, MI 48098**

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	RADIATED RF EMISSIONS DATA SHEET			Page: 1 of 15
				Test Date(s): 1/28/2009 to 1/29/2009
				Job Number: 39719
COMPANY: Delphi Medical Systems		SPEC: RTCA/DO-160E	SECTION: Section 21	
DEVICE: EVO Central Air Oxygen Concentrator		MODEL NO.: RS-00400	SERIAL NO.: MC000018	
TEST DESCRIPTION: Radiated Radio Frequency Emissions				
Test Location: Chamber 2				

Revision Record

Revision	Total Pages	Date	Affected Section(s)	Affected Page(s)	Description of Changes
--	15	January 29, 2009			Original

Tested by:  David D. Anderson

Reviewed by:  Ronald R. Amundson



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Table 1: Radiated Radio Frequency Emissions Test Results

Frequency Range	RF Bandwidth	Category	Polarity	Antenna	Mode	EUT Orientation	Results	Notes
2 MHz to 25 MHz	1 kHz	L	Vertical	Active Rod	Ambient	Per QTP	Pass	
25 MHz to 30 MHz	1 kHz	L	Vertical	Biconical	Ambient	Per QTP	Pass	
25 MHz to 30 MHz	1 kHz	L	Horizontal	Biconical	Ambient	Per QTP	Pass	
30 MHz to 200 MHz	10 kHz	L	Vertical	Biconical	Ambient	Per QTP	Pass	
30 MHz to 200 MHz	10 kHz	L	Horizontal	Biconical	Ambient	Per QTP	Pass	
200 MHz to 400 MHz	10 kHz	L	Vertical	Dual Ridge Low	Ambient	Per QTP	Pass	
200 MHz to 400 MHz	10 kHz	L	Horizontal	Dual Ridge Low	Ambient	Per QTP	Pass	
400 MHz to 1000 MHz	100 kHz	L	Vertical	Dual Ridge Low	Ambient	Per QTP	Pass	
400 MHz to 1000 MHz	100 kHz	L	Horizontal	Dual Ridge Low	Ambient	Per QTP	Pass	
1000 MHz to 6000 MHz	1 MHz	L	Vertical	Dual Ridge High	Ambient	Per QTP	Pass	
1000 MHz to 6000 MHz	1 MHz	L	Horizontal	Dual Ridge High	Ambient	Per QTP	Pass	
2 MHz to 25 MHz	1 kHz	L	Vertical	Active Rod	Battery, 5.0	Per QTP	Pass	
25 MHz to 30MHz	1 kHz	L	Vertical	Biconical	Battery, 5.0	Per QTP	Pass	
25 MHz to 30 MHz	1 kHz	L	Horizontal	Biconical	Battery, 5.0	Per QTP	Pass	
30 MHz to 200 MHz	10 kHz	L	Vertical	Biconical	Battery, 5.0	Per QTP	Pass	
30 MHz to 200 MHz	10 kHz	L	Horizontal	Biconical	Battery, 5.0	Per QTP	Pass	
200 MHz to 400 MHz	10 kHz	L	Vertical	Dual Ridge Low	Battery, 5.0	Per QTP	Pass	
200 MHz to 400 MHz	10 kHz	L	Horizontal	Dual Ridge Low	Battery, 5.0	Per QTP	Pass	
400 MHz to 1000 MHz	100 kHz	L	Vertical	Dual Ridge Low	Battery, 5.0	Per QTP	Pass	
400 MHz to 1000 MHz	100 kHz	L	Horizontal	Dual Ridge Low	Battery, 5.0	Per QTP	Pass	
1000 MHz to 6000 MHz	1 MHz	L	Vertical	Dual Ridge High	Battery, 5.0	Per QTP	Pass	
1000 MHz to 6000 MHz	1 MHz	L	Horizontal	Dual Ridge High	Battery, 5.0	Per QTP	Pass	