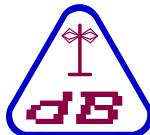


	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
	Test No: T4521	Test Photos	Page: 1 of 13



dB Technology
----- (Cambridge Ltd.) -----
EMC Testing EMC Consultancy EMC Training

23, Headington Drive,
Cambridge.
CB1 9HE
Tel : 01954 251974 (test site)
or : 01223 241140 (accounts)
Fax : 01954 251907
web : www.dbtechnology.co.uk
email: mail@dbtechnology.co.uk

REPORT ON ELECTROMAGNETIC COMPATIBILITY TESTS

**Performed at:
TWENTY PENCE TEST SITE**

**Twenty Pence Road,
Cottenham,
Cambridge
U.K.
CB24 8PS**

on

Rotronics Systems Limited

MiWi Module - FRZ200-1000

dated

24th October 2012

Document History

Issue	Date	Affected page(s)	Description of modifications	Revised by	Approved by
1	24/10/12		Initial release		
2	08/01/12		2 and 6 onwards	DS	DB

Based on report template:
v090319

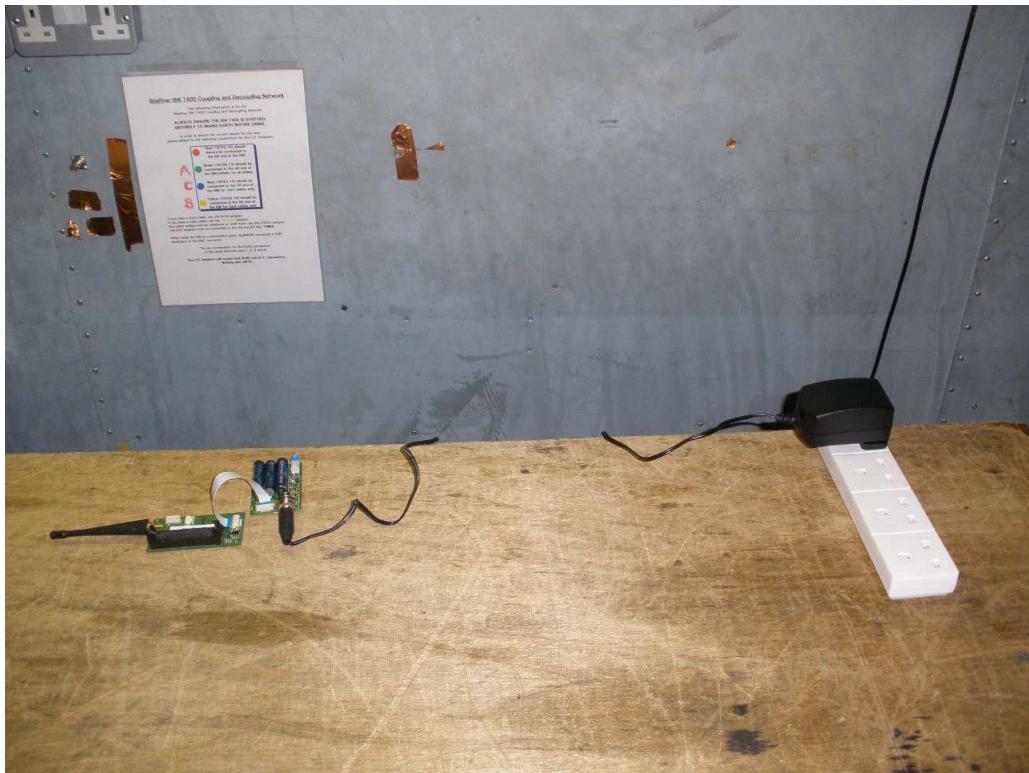
*This report shall not be reproduced except in full, without the written approval of:
dB Technology (Cambridge) Ltd.*

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
Test No: T4521		Test Photos	Page: 2 of 13

Contents

<i>Photograph 1</i>	<i>Conducted Emissions - Front</i>	3
<i>Photograph 2</i>	<i>Conducted Emissions - Back</i>	4
<i>Photograph 3</i>	<i>Radiated Emissions - Upright, Front</i>	4
<i>Photograph 4</i>	<i>Radiated Emissions - Upright, Back</i>	5
<i>Photograph 5</i>	<i>Radiated Emissions - Upright, Close-up</i>	6
<i>Photograph 6</i>	<i>Radiated Emissions - Flat</i>	6
<i>Photograph 7</i>	<i>Conducted Emissions - Controller - Front</i>	7
<i>Photograph 8</i>	<i>Conducted Emissions - Controller - Back</i>	7
<i>Photograph 9</i>	<i>Conducted Emissions - Repeater - Front</i>	8
<i>Photograph 10</i>	<i>Conducted Emissions - Repeater - Back</i>	8
<i>Photograph 11</i>	<i>Radiated Emissions - Controller - Upright</i>	9
<i>Photograph 12</i>	<i>Radiated Emissions - Controller - Flat</i>	9
<i>Photograph 13</i>	<i>Radiated Emissions - Repeater - Upright</i>	10
<i>Photograph 14</i>	<i>Radiated Emissions - Repeater - Flat</i>	10
<i>Photograph 15</i>	<i>Radiated Emissions - Data Transceiver - Upright</i>	11
<i>Photograph 16</i>	<i>Radiated Emissions - Data Transceiver - Flat</i>	11
<i>Photograph 17</i>	<i>Radiated Emissions - Below 30MHz - Data Transceiver</i>	12
<i>Photograph 18</i>	<i>Radiated Emissions - Below 30MHz - Repeater</i>	12
<i>Photograph 19</i>	<i>Radiated Emissions - Below 30MHz - Controller</i>	13

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
	Test No: T4521	Test Photos	Page: 3 of 13



Photograph 1 Conducted Emissions - Front

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
Test No: T4521		Test Photos	Page: 4 of 13

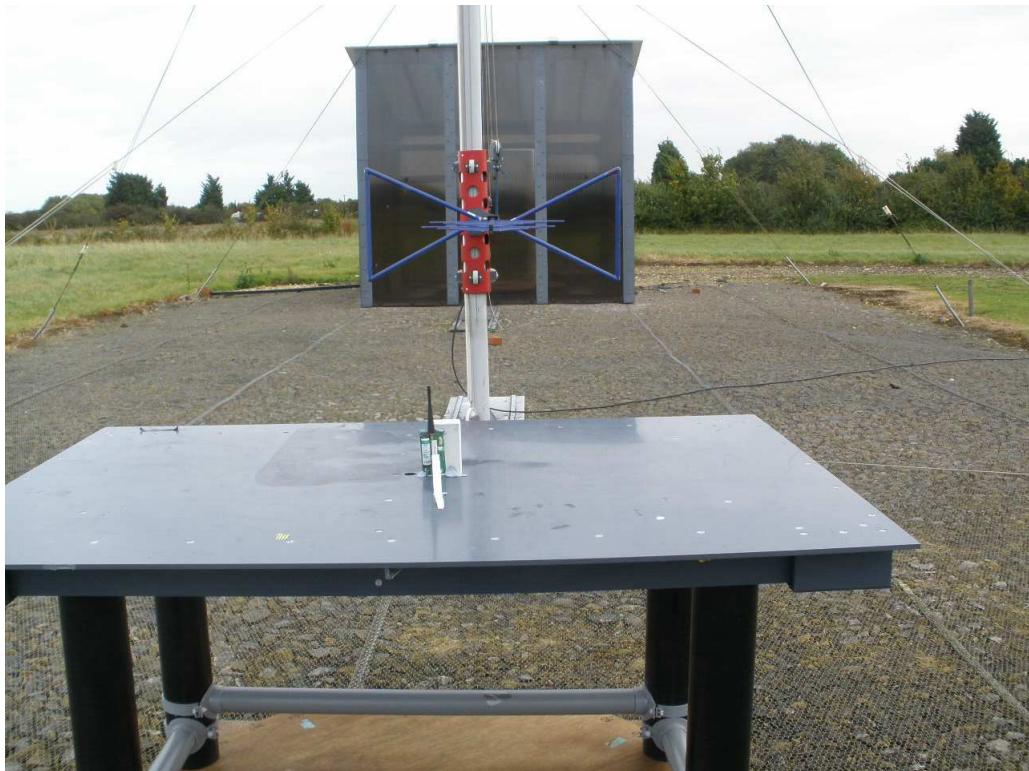


Photograph 2 Conducted Emissions - Back



Photograph 3 Radiated Emissions - Upright, Front

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
Test No: T4521		Test Photos	Page: 5 of 13

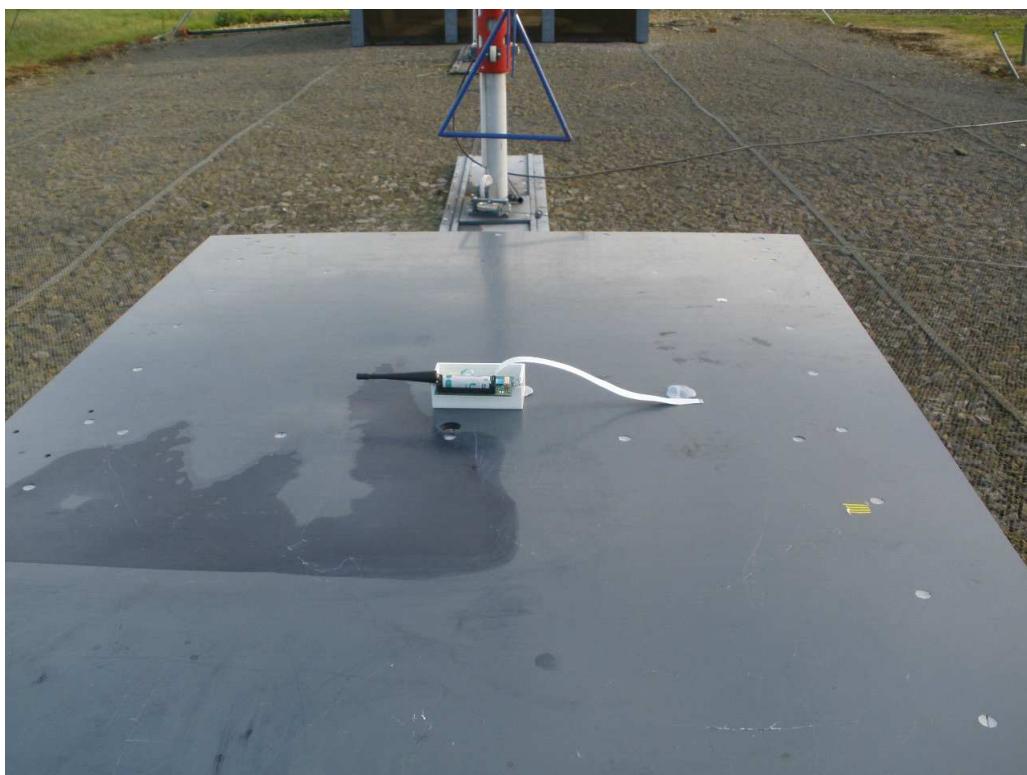


Photograph 4 Radiated Emissions - Upright, Back

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
Test No: T4521		Test Photos	Page: 6 of 13

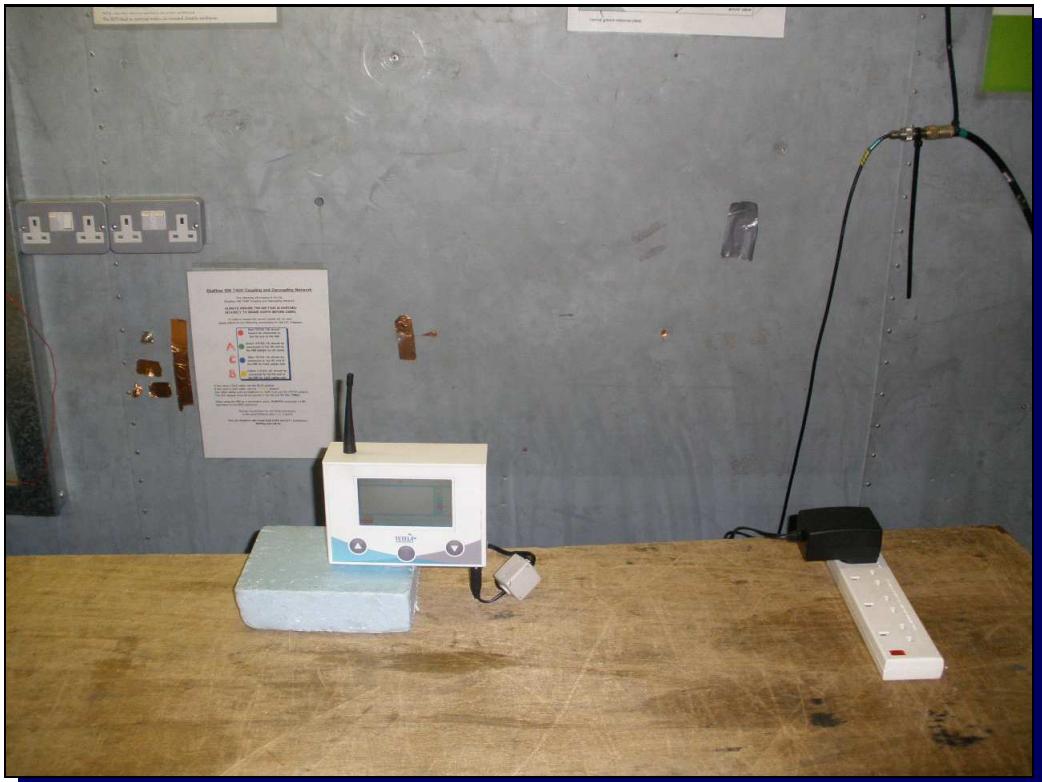


Photograph 5 Radiated Emissions - Upright, Close-up

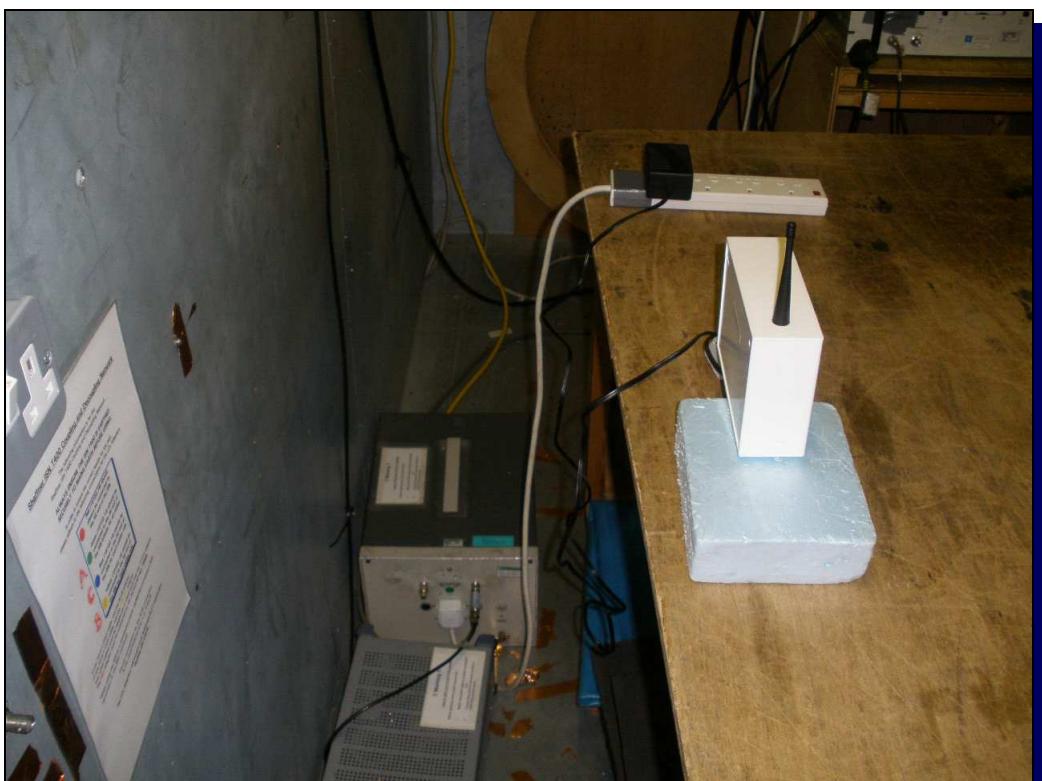


Photograph 6 Radiated Emissions - Flat

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
	Test No: T4521	Test Photos	Page: 7 of 13



Photograph 7 Conducted Emissions - Controller - Front

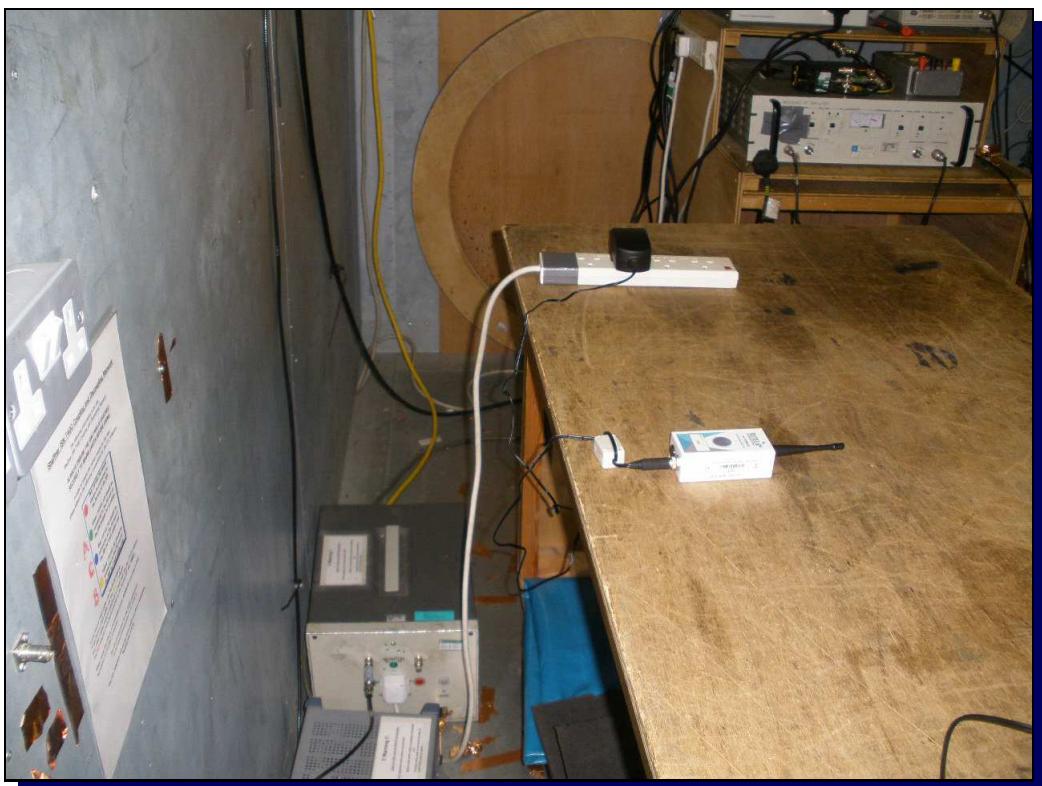


Photograph 8 Conducted Emissions - Controller - Back

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
	Test No: T4521	Test Photos	Page: 8 of 13

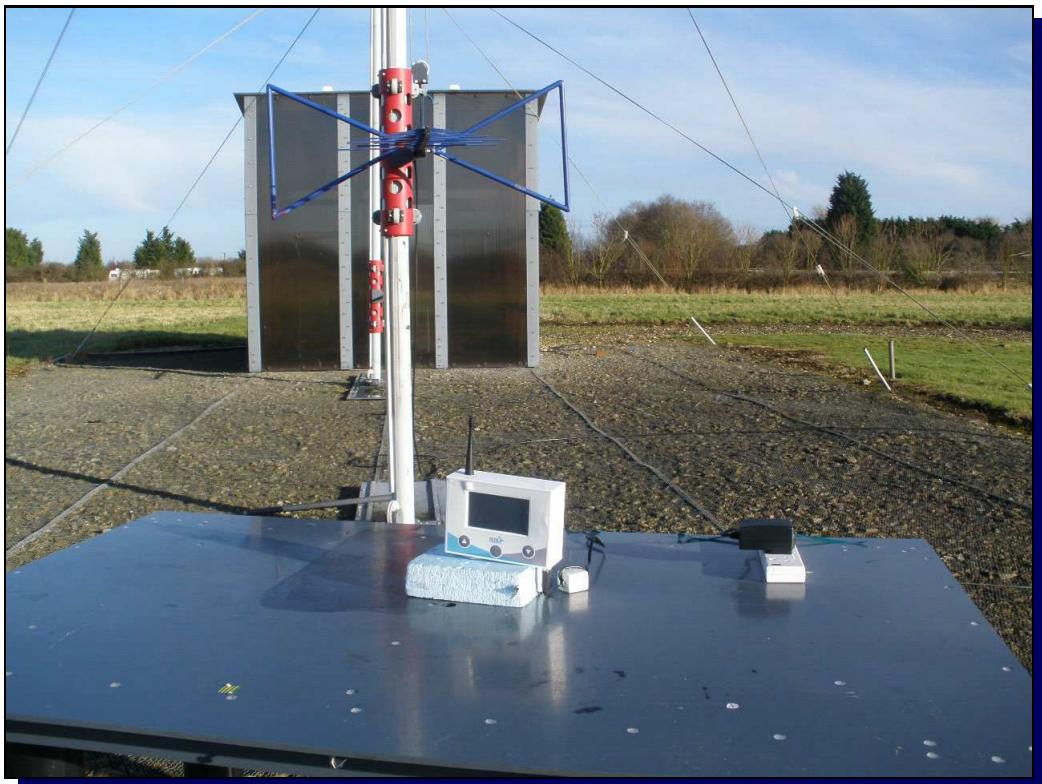


Photograph 9 Conducted Emissions - Repeater - Front

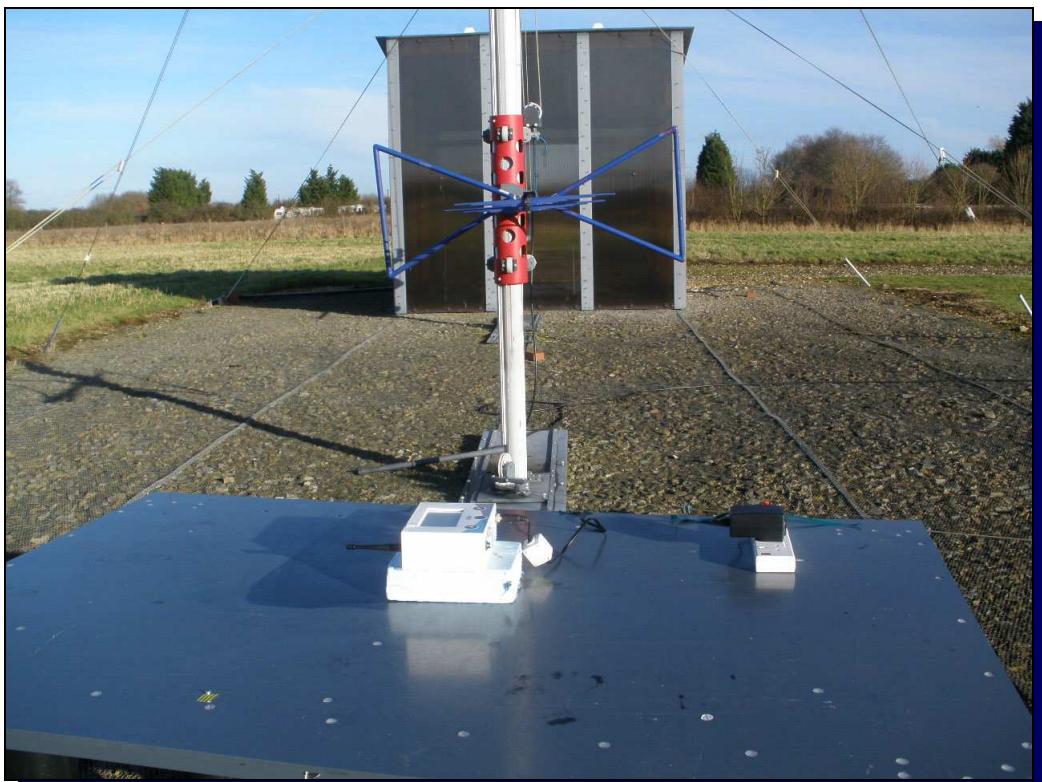


Photograph 10 Conducted Emissions - Repeater - Back

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
	Test No: T4521	Test Photos	Page: 9 of 13



Photograph 11 Radiated Emissions - Controller - Upright

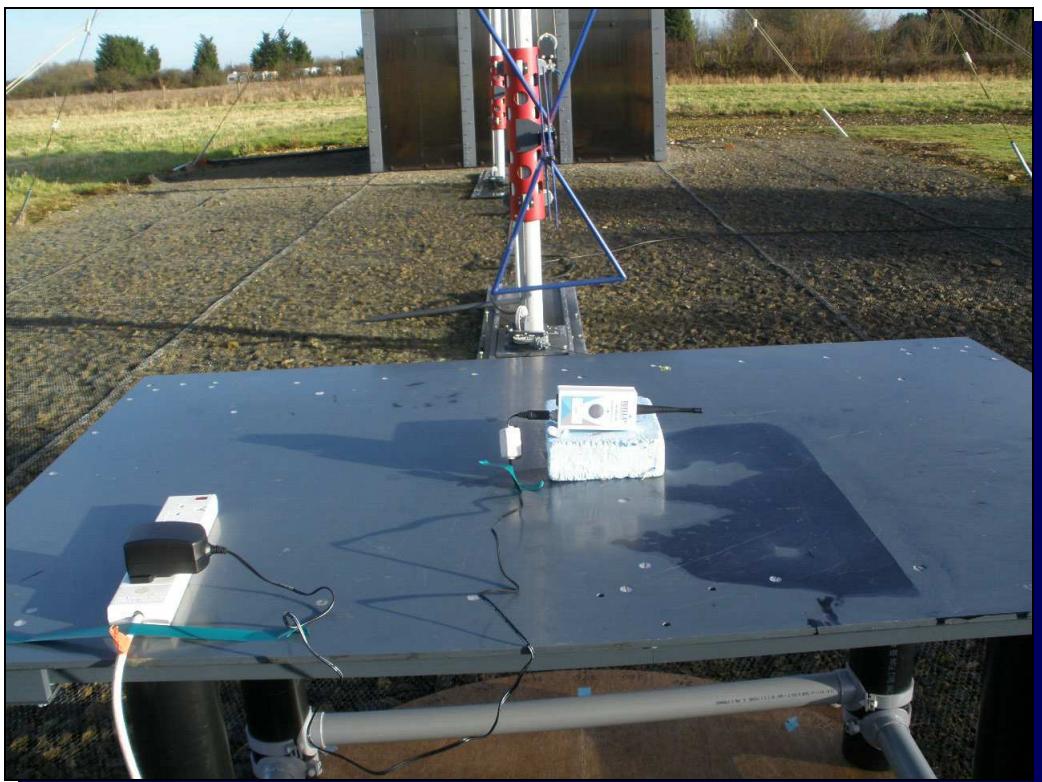


Photograph 12 Radiated Emissions - Controller - Flat

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
Test No: T4521		Test Photos	Page: 10 of 13



Photograph 13 Radiated Emissions - Repeater - Upright



Photograph 14 Radiated Emissions - Repeater - Flat

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
Test No: T4521		Test Photos	Page: 11 of 13

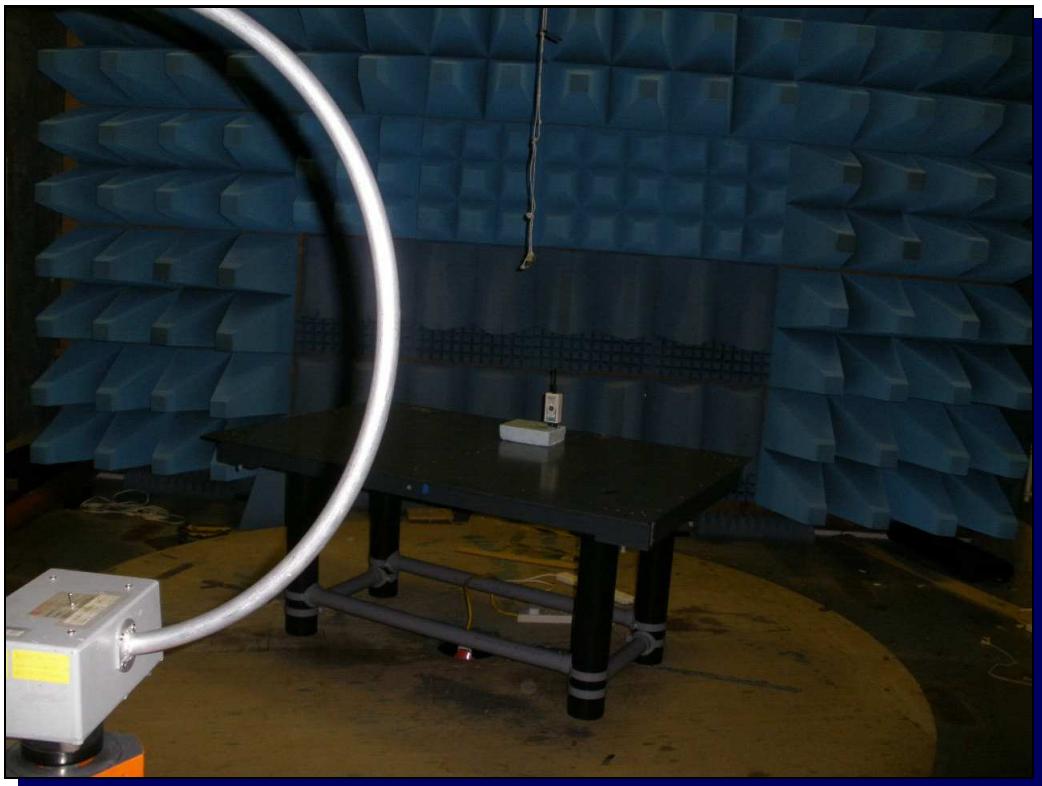


Photograph 15 Radiated Emissions - Data Transceiver - Upright

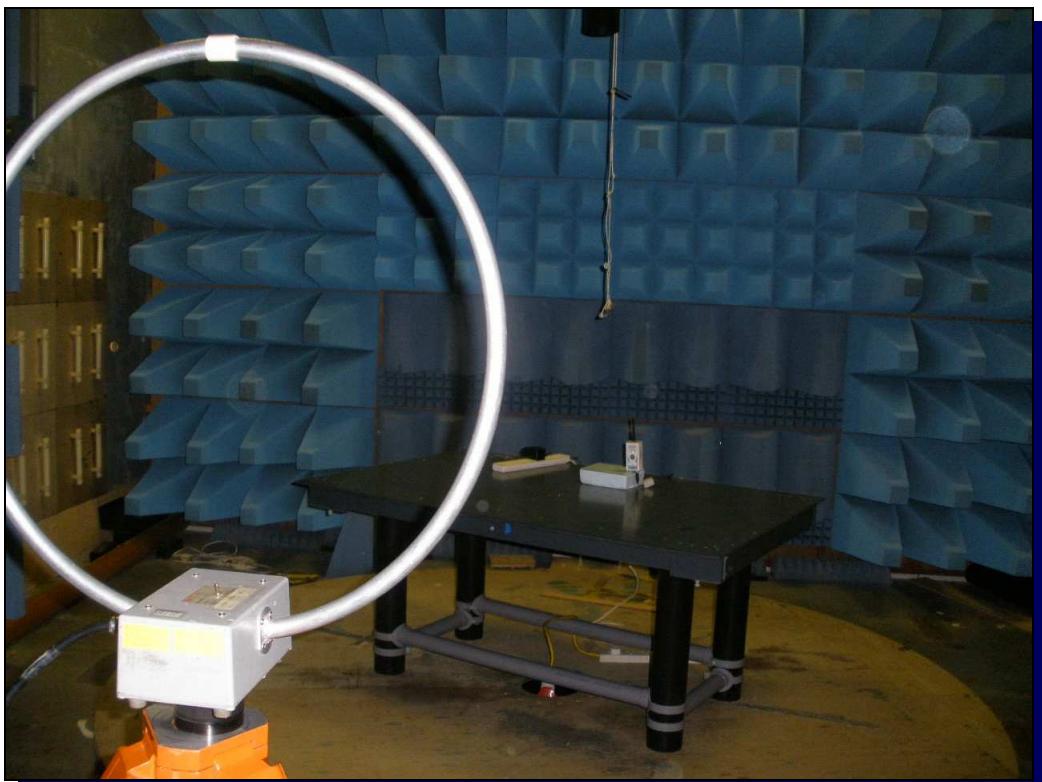


Photograph 16 Radiated Emissions - Data Transceiver - Flat

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
Test No: T4521		Test Photos	Page: 12 of 13



Photograph 17 Radiated Emissions - Below 30MHz - Data Transceiver



Photograph 18 Radiated Emissions - Below 30MHz - Repeater

	Report No: R3167 Issue No: 2	FCC ID: QR5ROTR00471	
Test No: T4521		Test Photos	Page: 13 of 13



Photograph 19 Radiated Emissions - Below 30MHz - Controller