



**FCC  
Test Report  
For  
BASE Station  
LK4-2**

Report Number 07-191/3228/1/07A

Report Produced by: -

**R.N. Electronics Ltd.**

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## 2. Summary of Test Results

The BASE Station LK4-2 was tested to the following standards: -

### FCC Part 15C (effective date October 7, 2006); Class DXT Intentional Radiator

Any compliance statements are made reliant on the modes of operation as instructed to us by the Manufacturer based on their specific knowledge of the application and functionality of the equipment tested.

Title	Reference	Results
1. Conducted Emissions	FCC Part 15C §15.207	PASSED
2. Radiated Emissions	FCC Part 15C §15.205, §15.209 & §15.249(a) and §15.249(d)	PASSED
3. Modulation Bandwidth	FCC Part 15C §15.215(c)	PASSED
4. Intentional Radiator Field Strength	FCC Part 15C §15.249(a)	PASSED
5. Frequency Tolerance	FCC Part 15C §15.249(b)	NOT APPLICABLE <sup>1</sup>

<sup>1</sup> No specification requirement for this type of equipment. Test only applicable to point-to-point equipment.

This report relates to the equipment tested as identified by a unique serial number and at the time it was tested. It does not relate to any other similar equipment and performance of the product before or after the test cannot be guaranteed.

Date of Test: 22<sup>nd</sup> Nov - 4<sup>th</sup> Dec 2006

Test Engineer:

Approved By:

Customer Representative:

### 3. Information about Equipment Under Test

Applicant Maynetronics Ltd  
Oak Cottage  
Ashey Road  
Ashey  
Isle of Wight  
PO33 4BD

Manufacturer/Brand Name Maynetronics Ltd

Full name of EUT Base Station for wireless data terminal

Model Number of EUT LK4-2

Serial Number of EUT 1991

FCC ID (if applicable): OOA LK4-2

Date when equipment was received by RN Electronics Limited 16/Nov/2006

Date of test: 22<sup>nd</sup> Nov - 4<sup>th</sup> Dec 2006

Customer order number: 2006-179

A visual description of EUT is as follows: A white plastic moulded square box with a short antenna on the lid, with a pair of cables feed through grommets, one for DC the other for an RS485 data link.

The main function of the EUT is: Poll a wireless data terminal for data updates.

Antenna: Whip Antenna Screwed onto Top Cover.  
Intended for professional installations only.

#### Equipment Under Test Information specification:

Height	182 mm
Width	180 mm
Depth	90 mm
Weight	0.5 kg
Voltage	12 Vdc
Current required from above voltage source	100 mA
Highest Frequencies used / generated	915 MHz

Modes of operation:

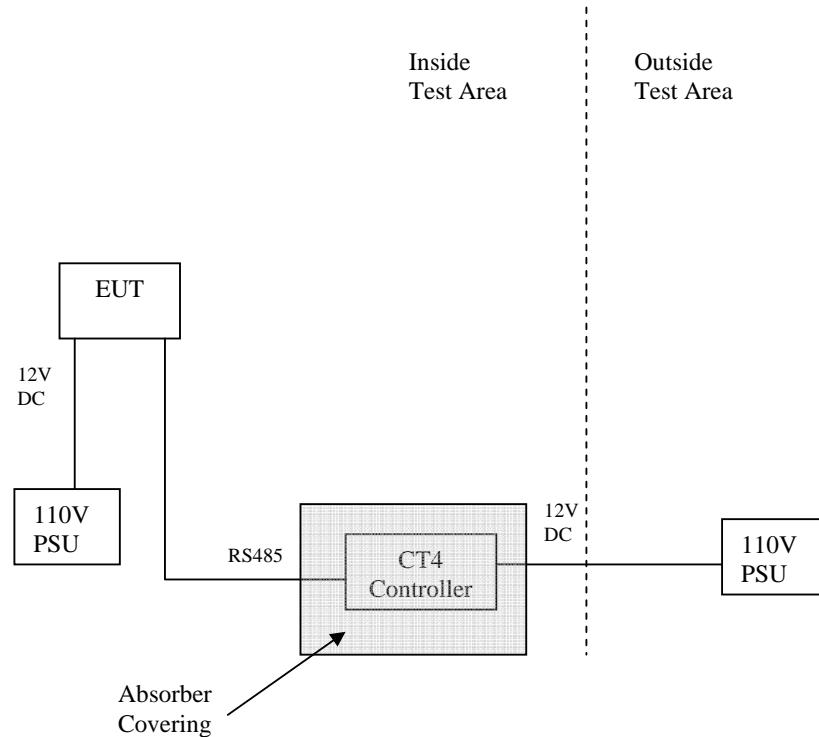
Mode	Description of mode	Used for Testing
Continuous Transmit	Permanently Transmitting	YES
Continuous Receive	Permanently Receiving	NO
Pulsed Operation	Transmit then Receive	YES

Description of ancillary equipment connected to the equipment under test, for the purpose of tests, can be found in Section 11.

Any modifications made to the **EUT**, whilst under test, can be found in Section 12.

This report was printed on: 15 August 2007

### 3.1 Configuration Diagram



### 4. Specifications

The tests were performed by RN Electronics Engineer Peter Finley who set up the tests, the test equipment, and operated it in accordance with the **R.N. Electronics Ltd** procedures manual, FCC Part 15 and those specifications incorporated by reference into 47CFR15 (e.g. ANSI C63.4-2003).

R.N. Electronics Ltd sites M and OATS are listed with the FCC. Registration Number 293246

**5. Tests, Methods and Results**  
**5.1 Conducted Emissions**

**5.1.1 Test Methods**

Test Requirements	FCC Part 15C, Reference (15.207)
Test Method:	FCC Part 15C, Reference (15.207)

**5.1.1.1 Configuration of EUT**

The EUT was connected to the LISN, and operated in the mode found to produce the highest emissions.

**5.1.1.2 Test Procedure**

Tests were made in accordance with FCC Part 15 using the measuring equipment noted in the 'Test Equipment' Section. The equipment under test was powered via a mains LISN with a mains lead of 1 metre. Any excess mains lead was placed in a 400mm bundle. At least 6 signals within 20dB and all signals within 10dB of the limit were investigated.

**5.1.2 Test results**

Tests were performed using Test Site **F**.

Temperature of test Environment: 22°C

Results are presented for **Pulse** mode. There was found to be no discernable difference in emissions between modes.

Analyser plots for the Quasi-Peak / Average values as applicable and a table of signals within 20dB of the limit line can be found in Section 6.1 of this report.

These results show that the **EUT** has **PASSED** this test.

**5.1.2.1 Test Equipment used**

E1, E10, E35, TMS912, TMS937, TMS938

See Section 10 for more details.

## 5.2 Radiated Emissions

## 5.2.1 Test Methods

Test Requirements	FCC Part 15C, Reference (15.209)
Test Method:	FCC Part 15C, Reference (15.209)

### 5.2.1.1 Configuration of EUT

The EUT was placed on a 0.8 metres high turntable. The front edge of the EUT was initially positioned facing the antenna. The EUT was measured at a distance of 3 metres. The EUT was tested in the worst case mode for radiated emissions.

### 5.2.1.2 Test Procedure

Tests were made in accordance with FCC Part 15 using the measuring equipment noted below.

30MHz - 1GHz, measurements were made on a site listed with the FCC. The equipment was rotated 360° and the antenna scanned 1 – 4 metres in both horizontal and vertical polarisations to record the worst case emissions.

Above 1GHz, measurements were made in a semi-anechoic chamber with appropriate absorbing material for use in this range. The antenna was placed 1m above the ground in line with the EUT, which was rotated through 360° to record the worst case emissions.

At least 6 signals within 20dB and all signals within 10dB of the limit were investigated.

## 5.2.2 Test results

Tests were performed using Test Site M.

Results are presented for **Continuous Transmit** mode as the worst case mode used.

## Test Environment: M

Temperature: 17-22°C      Humidity: 27-51%

Analyser plots for the Quasi-Peak / Average values as applicable and any table of signals within 20dB of the limit line can be found in Section 6.2 of this report.

These show that the **EUT** has **PASSED** this test.

### 5.2.2.1 Test Equipment used

E1, TMS933, E3, TMS82, E268, E238, E239, E242, N438, 915MHz Notch Filter

See Section 10 for more details

### 5.3 Intentional Radiator Field Strength

### 5.3.1 Test Methods

Test Requirements	FCC Part 15C, Reference (15.249(a))
Test Method:	FCC Part 15C, Reference (15.249(a))

### 5.3.1.1 Configuration of EUT

The EUT was placed on a 0.8 metres high turntable. The front edge of the EUT was initially positioned facing the antenna. The EUT was measured at a distance of 3 metres. The antenna was scanned 1-4m in height in both Horizontal and Vertical polarisations.

### 5.3.1.2 Test Procedure

Tests were made in accordance with FCC Part 15 using the measuring equipment noted below.

Measurements were made in a semi-anechoic chamber.

Both the equipment and the antenna were rotated 360° to record the maximised emission.

### 5.3.2 Test results

Tests were performed using Test Site M.

## Test Environment:

Temperature: 16°C Humidity: 51 %

Any Analyser plots can be found in Section 6.3 of this report.

The maximised field strength measured was 93.8 dBuV/m @ 3M.  
Limits = 50mV/m = 94dBuV/m @ 3M.

These results show that the EUT has **PASSED** this test.

### 5.3.2.1 Test Equipment used

E1, TMS933, TMS907

See Section 10 for more details

#### **5.4 Frequency Tolerance**

This test was not performed as there are no specified limits for this type of equipment. Test only applicable to point-to-point equipment

#### **5.5 Modulation Bandwidth (Band Edges)**

##### **5.5.1 Test Methods**

Test Requirements FCC Part 15C, Reference (15.215(c))

Test Method: FCC Part 15C, Reference (15.215(c))

##### **5.5.1.1 Configuration of EUT**

The EUT was placed on a 0.8 metres high turntable. The front edge of the EUT was initially positioned facing the antenna. The EUT was measured at a distance of 3 metres.

The EUT was tested in **Continuous Transmit** mode

##### **5.5.1.2 Test Procedure**

Tests were made in accordance with FCC Part 15 using the measuring equipment noted below.

Measurements were made in a semi-anechoic chamber.

Test site 'M' has been listed with the FCC.

#### **5.5.2 Test results**

Tests were performed using Test Site **M**.

Temperature of test Environment: 16°C

Analyser plots for the 20dB bandwidth can be found in Section 6.4 of this report.

Designated band: 902 - 928 MHz.

Occupied bandwidth < 1MHz.

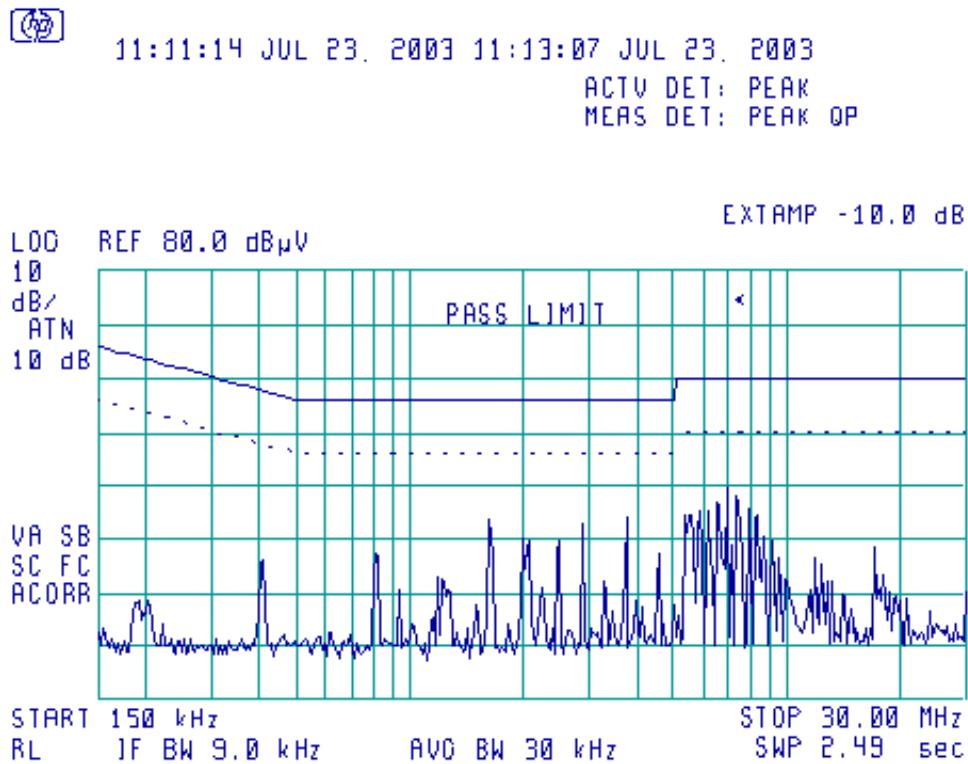
These results show that the **EUT** has **PASSED** this test.

##### **5.5.2.1 Test Equipment used**

E1, TMS933, TMS907

See Section 10 for more details.

**6. Plots and Results**  
**6.1 Conducted Emissions**



### Quasi-peak values of mains live feed

The plot shows a swept response of peak values using the quasi-peak limit line

(Any peaks within 10dB of the limit line have been calculated and appear in the table on following page of this report)

**Table of signals within 10dB of the limit line for Quasi-Peak Live**

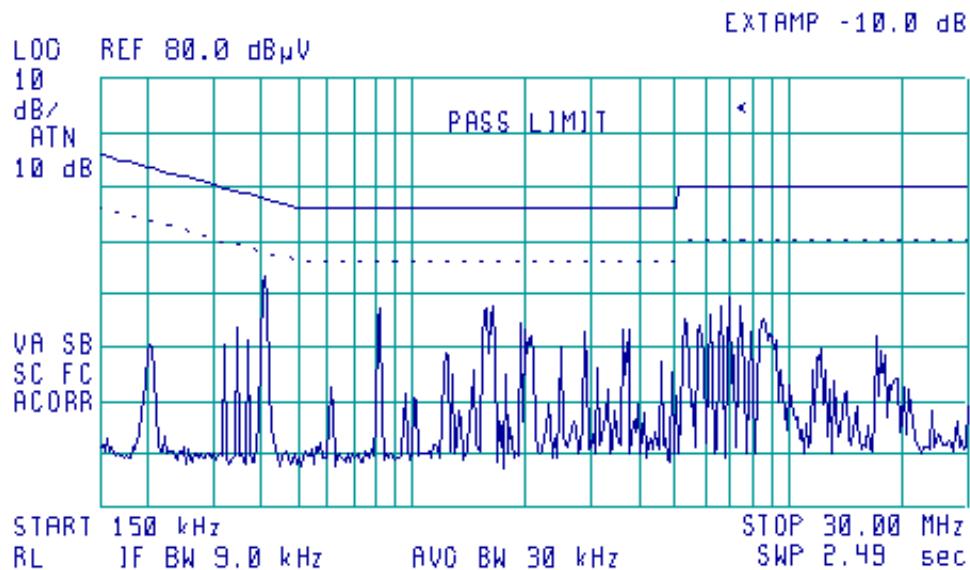
Signal	Freq (MHz)	Peak Amp (dBuV)	Peak - Lim1 (dB)	QP Amp (dub)	QP - Lim1 (dB)
1	1.661015	34.61	-21.39	33.68	-22.32
2	2.902825	34.34	-21.66	32.77	-23.23
3	3.328720	36.07	-19.93	20.84	-35.16
5	3.336925	37.38	-18.62	27.65	-28.35
6	3.733940	34.71	-21.29	34.10	-21.90
7	4.008685	32.15	-23.85	19.48	-36.52
8	3.998190	32.60	-23.40	24.06	-31.94
9	6.598436	40.96	-19.04	25.27	-34.73
10	7.081483	41.65	-18.35	33.19	-26.81
11	7.477583	40.41	-19.59	38.67	-21.33
12	7.889221	37.96	-22.04	34.32	-25.68

**Measurement Uncertainty of  $\pm 3.6\text{dB}$  Applies**



11:11:14 JUL 23, 2003 11:13:07 JUL 23, 2003

ACTV DET: PEAK  
MEAS DET: PEAK OP



## Quasi-peak values of mains neutral feed

The plot shows a swept response of peak values using the quasi-peak limit line

(Any peaks within 10dB of the limit line have been calculated and appear in the table on following page of this report)

**Table of signals within 10dB of the limit line for Quasi-peak Neutral**

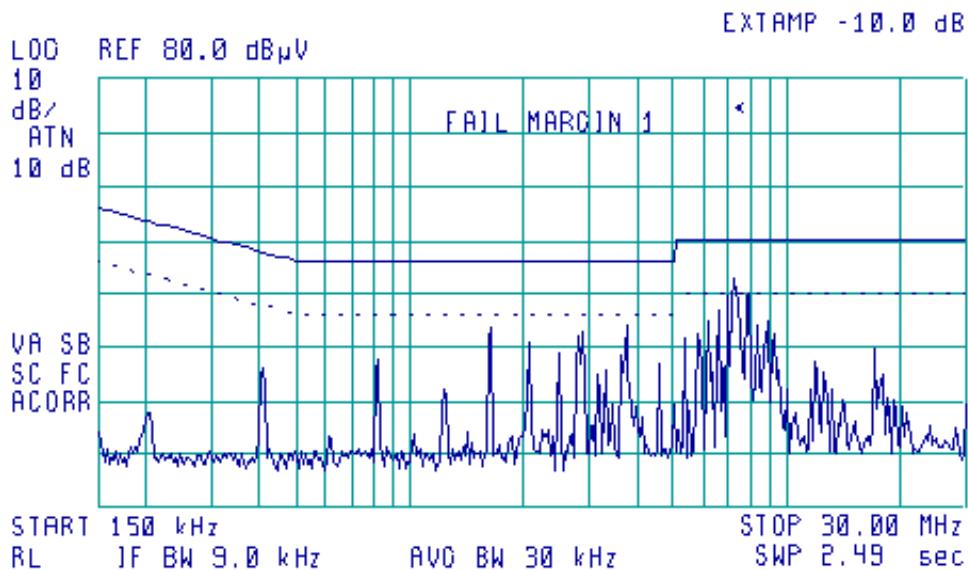
Signal	Freq (MHz)	Peak Amp (dub)	Peak - Lim1 (dB)	QP Amp (dub)	QP - Lim1 (dB)
1	0.415800	43.88	-13.69	43.57	-14.00
2	0.830853	37.79	-18.21	37.13	-18.87
3	1.662606	38.81	-17.19	37.70	-18.30
4	2.002435	33.86	-22.14	23.40	-32.60
5	2.548485	34.07	-21.93	24.09	-31.91
6	2.908265	33.59	-22.41	32.63	-23.37
7	3.752870	33.40	-22.60	26.08	-29.92
8	6.220683	42.06	-17.94	29.21	-30.79
9	6.615801	41.87	-18.13	25.32	-34.68
10	7.061461	43.63	-16.37	32.30	-27.70
11	7.604720	39.94	-20.06	29.92	-30.08

**Measurement Uncertainty of  $\pm 3.6\text{dB}$  Applies**



11:11:14 JUL 23, 2003 11:13:07 JUL 23, 2003

ACTV DET: PEAK  
MEAS DET: PEAK AVG



## Average values of mains live feed

The plot shows a swept response of peak values using the average limit line

(Any peaks within 10dB of the limit line have been calculated and appear in the table on following page of this report)

**Table of signals for Average Live**

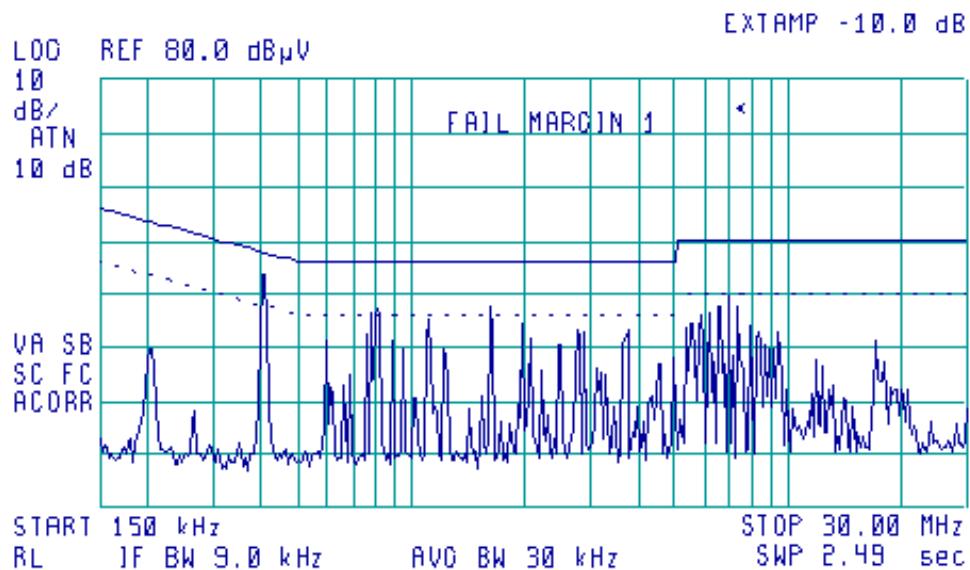
Signal	Freq (MHz)	Peak Amp (dub)	Peak - Lim1 (dB)	Avg Amp (dub)	Avg - Lim1 (dB)
1	1.663881	34.98	-11.02	33.01	-12.99
2	2.495506	31.43	-14.57	28.71	-17.29
3	2.913589	34.32	-11.68	32.31	-13.69
4	3.743737	34.96	-11.04	31.74	-14.26
5	5.416064	31.38	-18.62	18.35	-31.65
6	5.821726	33.50	-16.50	28.88	-21.12
7	6.223792	41.31	-8.69	6.01	-43.99
8	6.649731	40.04	-9.96	12.83	-37.17
9	7.066234	42.34	-7.66	21.44	-28.56
10	7.490312	39.56	-10.44	37.36	-12.64
11	7.489533	40.30	-9.70	37.61	-12.39
12	8.731866	36.46	-13.54	27.17	-22.83
13	9.500738	33.90	-16.10	1.65	-48.35

**Measurement Uncertainty of ± 3.6dB Applies**



11:11:14 JUL 23, 2003 11:13:07 JUL 23, 2003

ACTV DET: PEAK  
MEAS DET: PEAK AVG



## Average values of mains neutral feed

The plot shows a swept response of peak values using the average limit line

(Any peaks within 10dB of the limit line have been calculated and appear in the table on following page of this report)

**Table of signals for Average Neutral**

Signal	Freq (MHz)	Peak Amp (dub)	Peak - Lim1 (dB)	Avg Amp (dub)	Avg - Lim1 (dB)
1	0.415902	44.06	-3.51	43.14	-4.43
2	1.663106	38.51	-7.49	37.00	-9.00
3	3.394662	36.18	-9.82	1.82	-44.18
4	3.743715	33.75	-12.25	32.36	-13.64
5	7.047343	41.96	-8.04	14.36	-35.64
6	7.066544	43.73	-6.27	38.86	-11.14

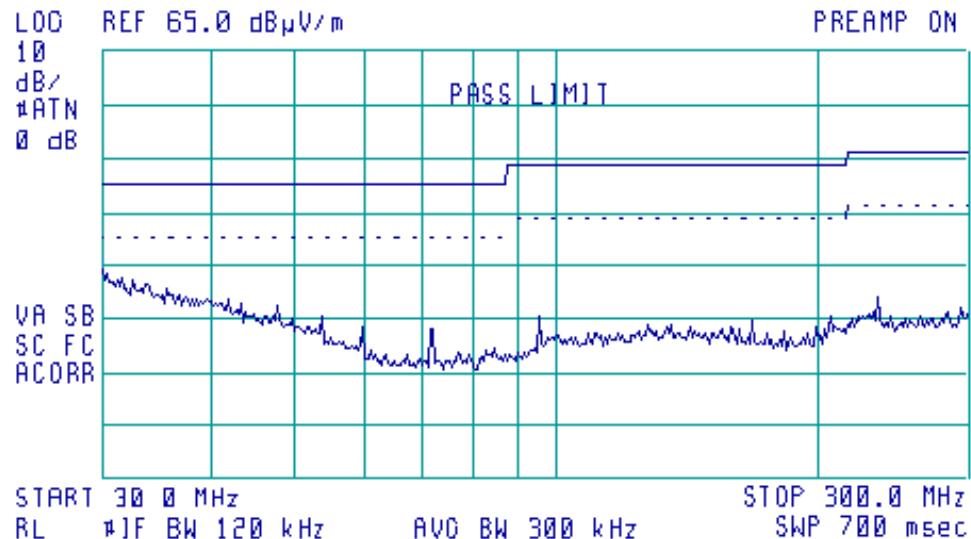
**Measurement Uncertainty of  $\pm 3.6\text{dB}$  Applies**

## 6.2 Radiated Emissions



11:45:03 JUL 25, 2003 12:35:11 JAN 29, 2004

ACTV DET: PEAK  
MEAS DET: PEAK OP



### Quasi-Peak Values of 30 MHz. to 300 MHz.

#### Horizontal Polarisation

The plot shows a swept response of peak values using the quasi-peak limit line

(Any peaks within 20dB of the limit line have been calculated and appear in the table on following page of this report)

**Table of signals within 20dB of the limit line for Quasi-Peak Horizontal**

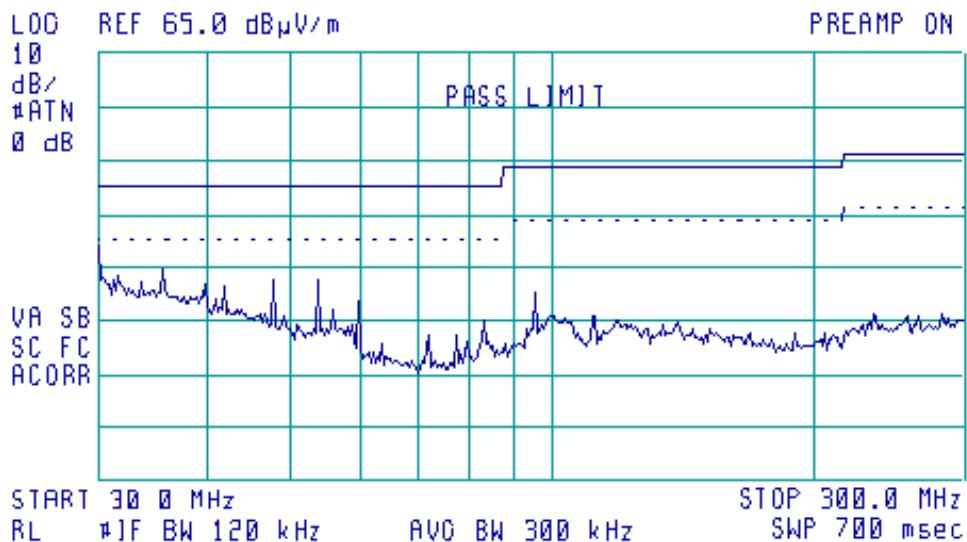
NONE

**Measurement Uncertainty of  $\pm 5.2\text{dB}$  Applies**



11:45:03 JUL 25, 2003 12:35:11 JAN 29, 2004

ACTV DET: PEAK  
MEAS DET: PEAK QP



## Quasi-Peak Values of 30 MHz. to 300 MHz. Vertical Polarisation

The plot shows a swept response of peak values using the quasi-peak limit line

(Any peaks within 20dB of the limit line have been calculated and appear in the table on following page of this report)

**Table of signals within 20dB of the limit line for Quasi-peak Vertical**

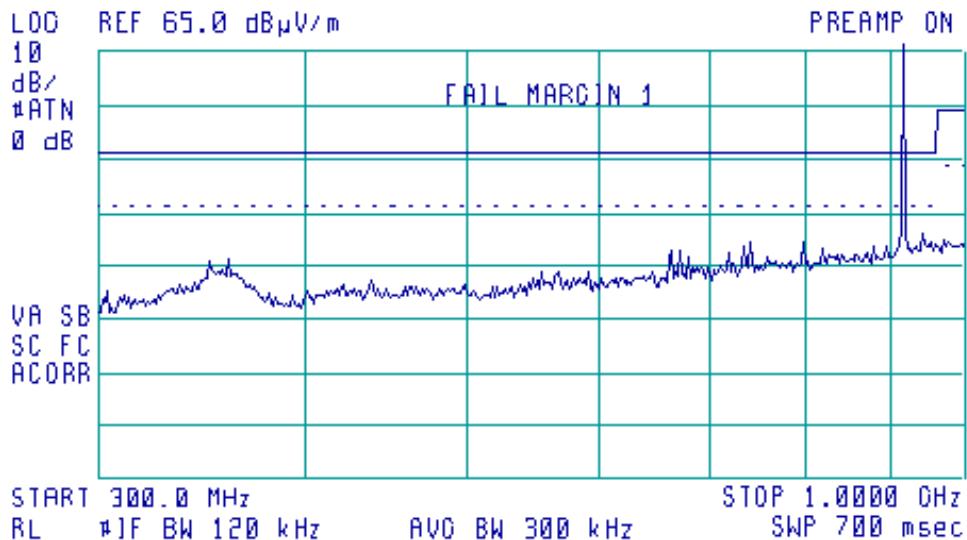
Signal	Freq (MHz)	Peak Amp (dub/m)	Peak - Lim1 (dB)	QP Amp (dub/m)	QP - Lim1 (dB)
1	30.014888	31.19	-8.81	28.09	-11.91
2	35.996050	27.50	-12.50	24.08	-15.92
3	47.997500	26.43	-13.57	24.53	-15.47
4	53.991813	24.25	-15.75	22.26	-17.74
5	60.019700	20.67	-19.33	18.45	-21.55
6	84.011713	17.29	-22.71	14.36	-25.64
7	96.033875	24.26	-19.24	19.78	-23.72

Measurement Uncertainty of  $\pm 5.2\text{dB}$  Applies



11:45:03 JUL 25, 2003 12:35:11 JAN 29, 2004

ACTV DET: PEAK  
MEAS DET: PEAK QP



## Quasi-Peak Values of 300 MHz. to 1 GHz.

### Horizontal Polarisation

The plot shows a swept response of peak values using the quasi-peak limit line

(Any peaks within 20dB of the limit line have been calculated and appear in the table on following page of this report)

**Table of signals within 20dB of the limit line for Quasi-Peak Horizontal**

Signal	Freq (MHz)	Peak Amp (dub/m)	Peak - Lim1 (dB)	QP Amp (dub/m)	QP - Lim1 (dB)
1	360.001794	29.63	-16.37	26.16	-19.84
2	672.022725	31.75	-14.25	28.44	-17.56
3	741.088138	31.15	-14.85	27.44	-18.56
4	798.013613	32.54	-13.46	29.42	-16.58
5	915.00	87.1	43.1	87.01	<b>43.01<sup>1</sup></b>

**Measurement Uncertainty of  $\pm 5.2$ dB Applies**

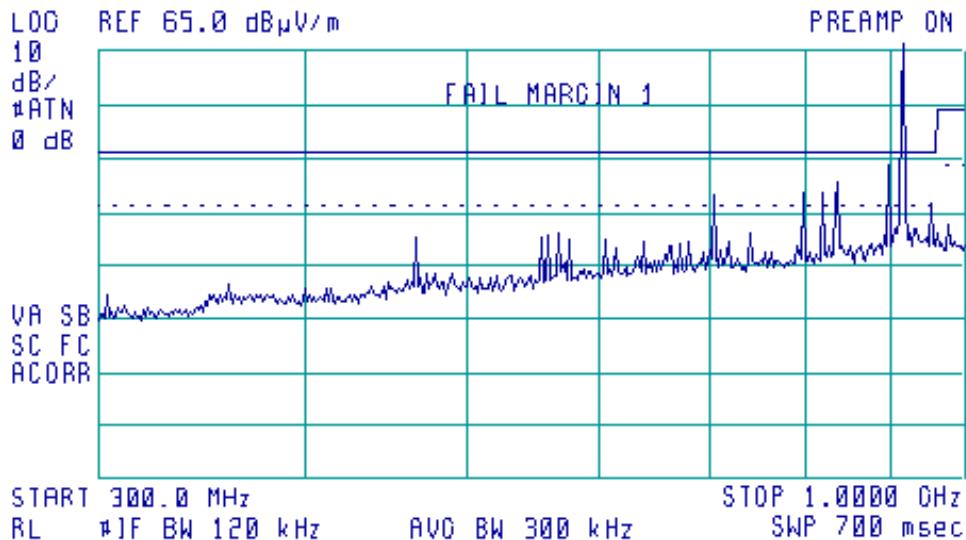
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<sup>1</sup> Fundamental emission. Refer to intentional radiator field strength for results.



11:45:03 JUL 25, 2003 12:35:11 JAN 29, 2004

ACTV DET: PEAK  
MEAS DET: PEAK QP



## Quasi-Peak Values of 300 MHz. to 1 GHz. Vertical Polarisation

The plot shows a swept response of peak values using the quasi-peak limit line

(Any peaks within 20dB of the limit line have been calculated and appear in the table on following page of this report)

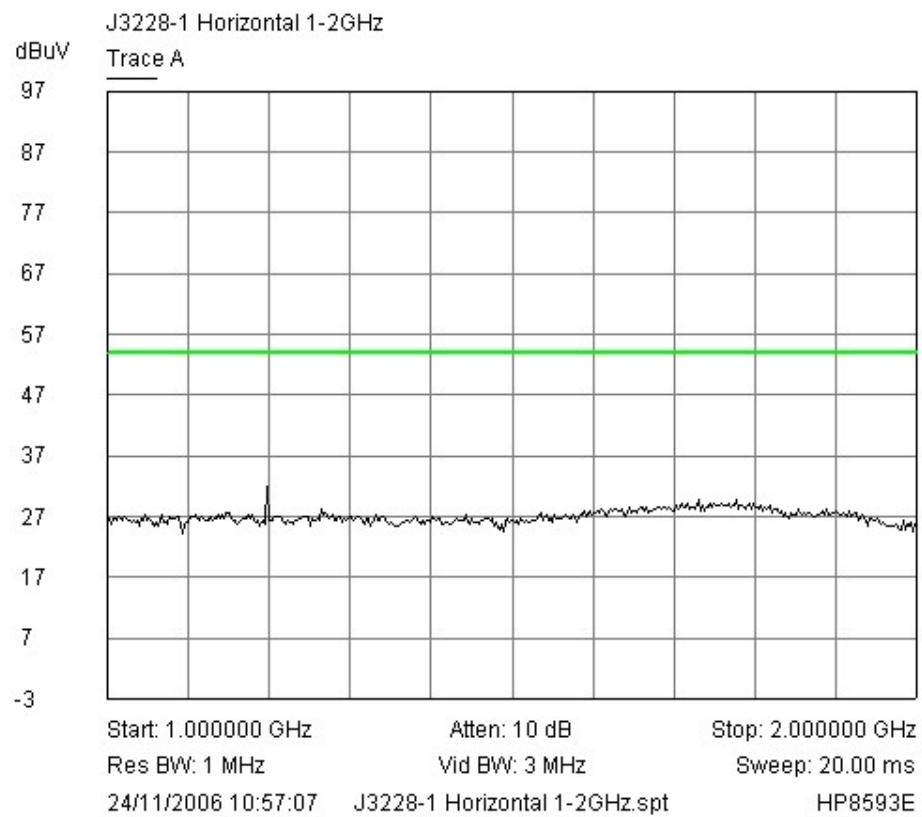
**Table of signals within 20dB of the limit line for Quasi-peak Vertical**

Signal	Freq (MHz)	Peak Amp (dub/m)	Peak - Lim1 (dB)	QP Amp (dub/m)	QP - Lim1 (dB)
1	555.012469	32.87	-13.13	30.21	-15.79
2	681.006175	32.56	-13.44	29.82	-16.18
3	672.010288	33.42	-12.58	30.70	-15.30
4	741.066738	35.01	-10.99	32.19	-13.81
5	797.960250	41.11	-4.89	39.52	-6.48
6	819.073456	40.63	-5.37	38.88	-7.12
7	836.965525	42.86	-3.14	41.40	-4.60
8	897.075888	45.36	-0.64	44.16	-1.84
9	915.00	93.80	40.80	93.77	40.77 <sup>2</sup>
10	953.988531	40.48	-5.52	37.92	-8.08

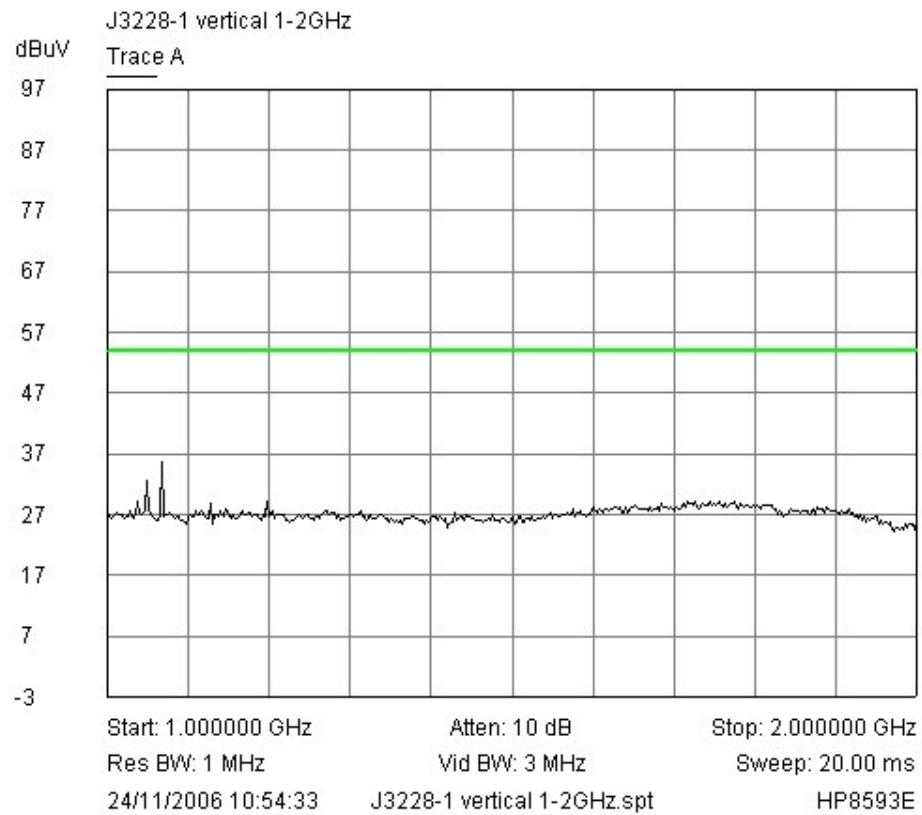
**Measurement Uncertainty of  $\pm 5.2\text{dB}$  Applies**

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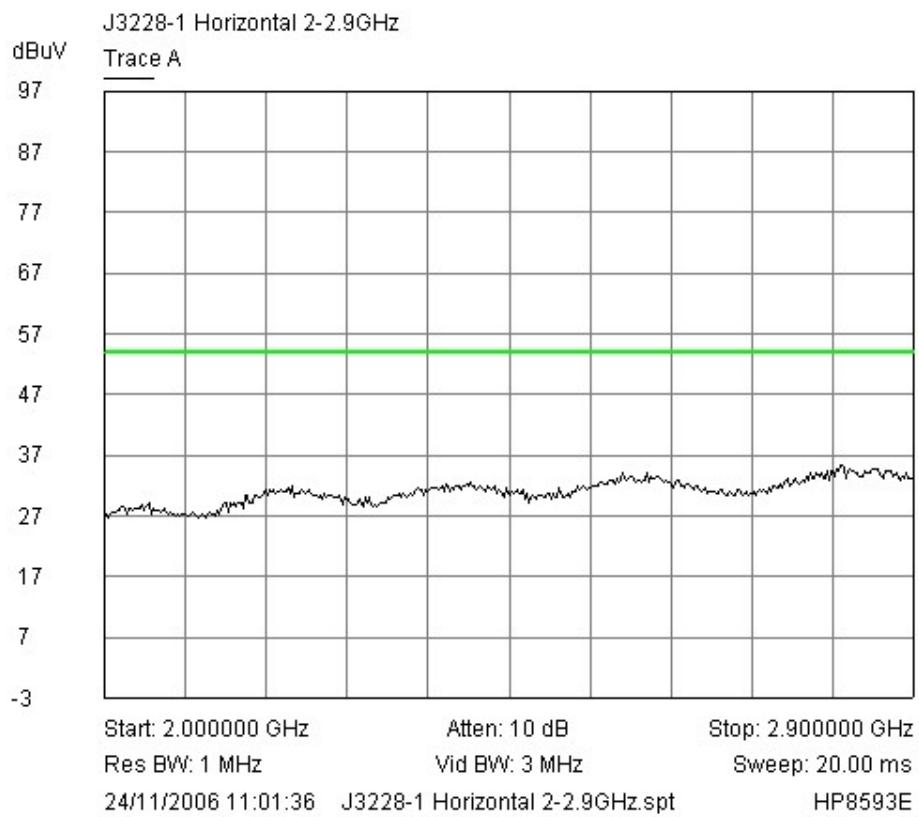
<sup>2</sup> Fundamental emission. Refer to intentional radiator field strength for results.



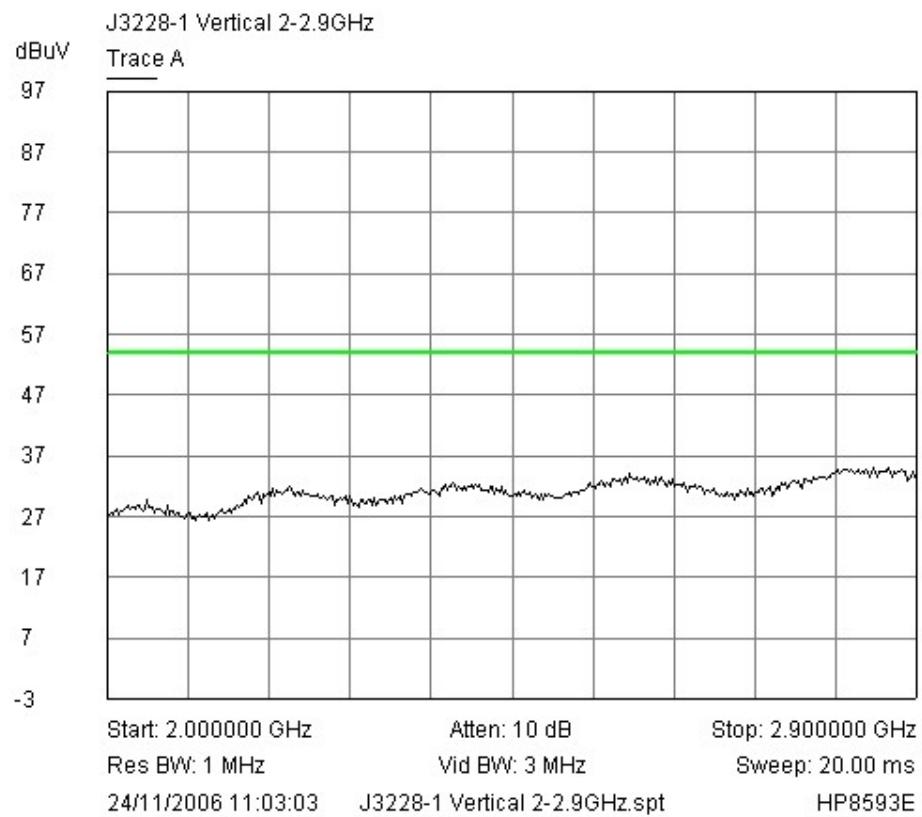
## Average Values of 1 to 2GHz. Horizontal Polarisation



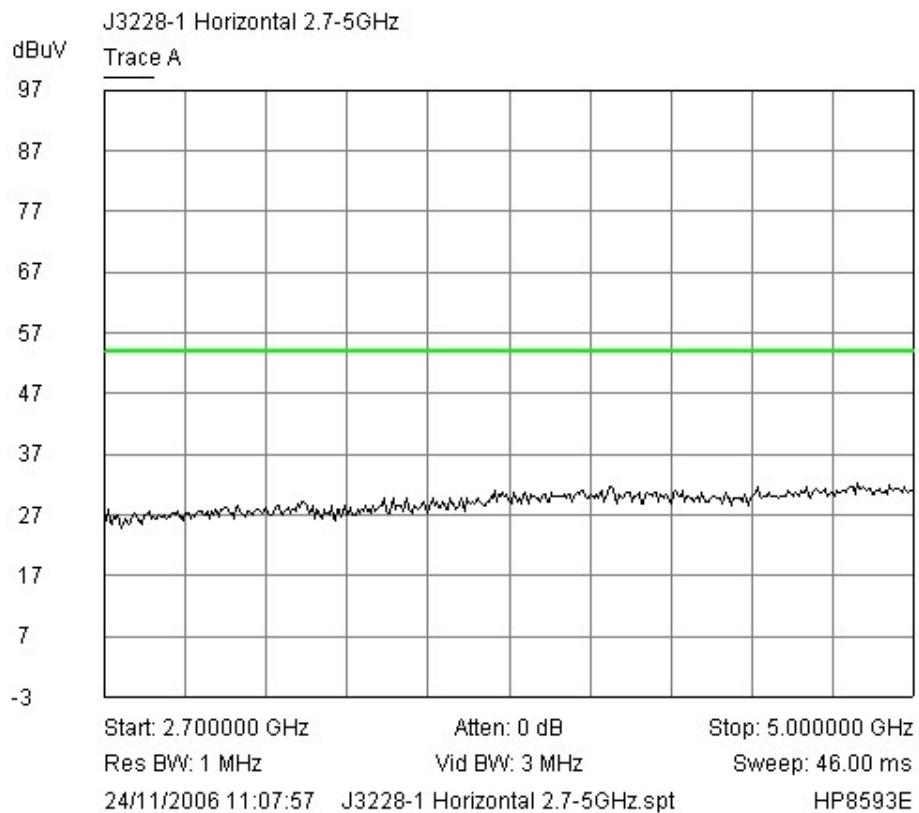
## Average Values of 1 to 2GHz. Vertical Polarisation



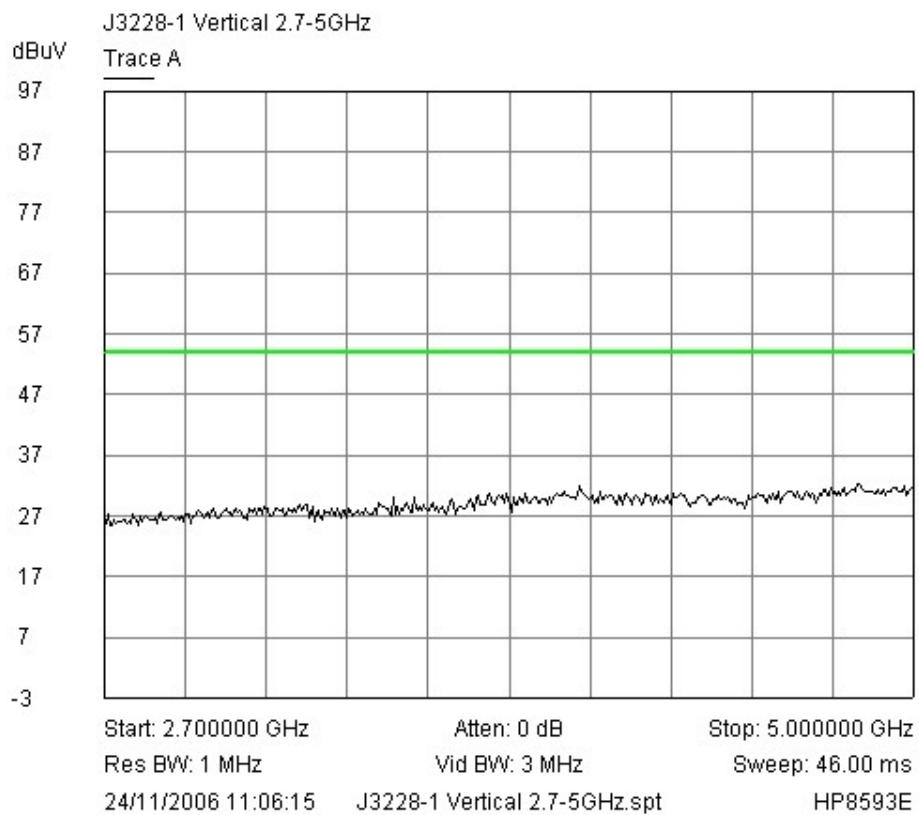
## Average Values of 2 – 2.9GHz. Horizontal Polarisation



## Average Values of 2 - 2.9GHz. Vertical Polarisation

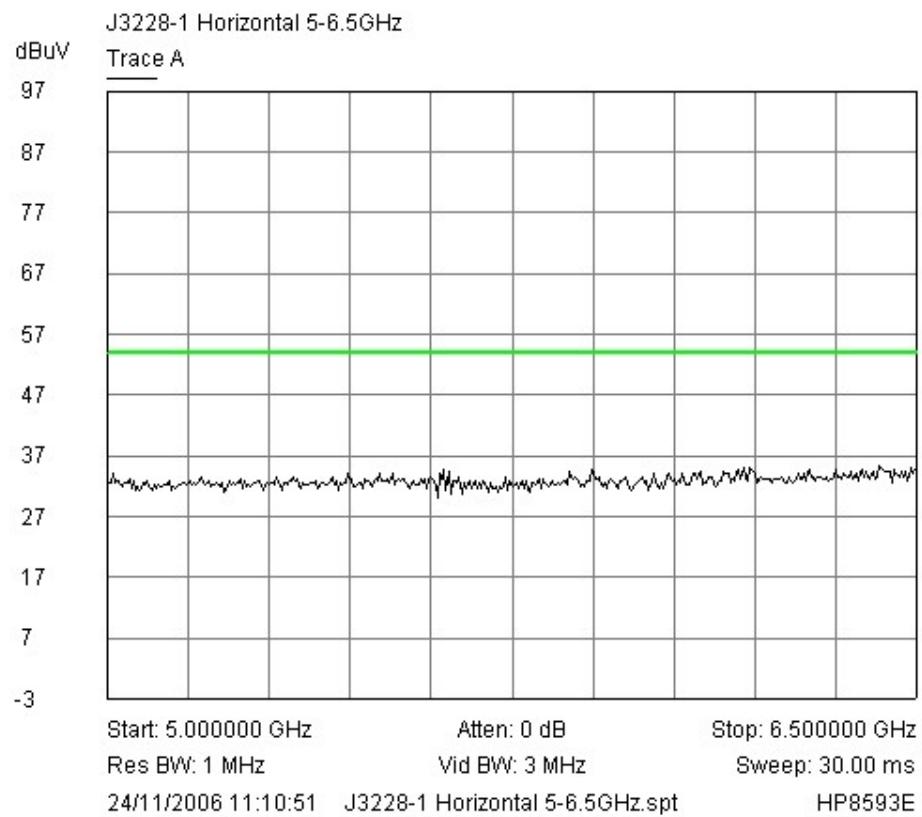


**Average Values of 2.7 to 5GHz.  
Horizontal Polarisation**

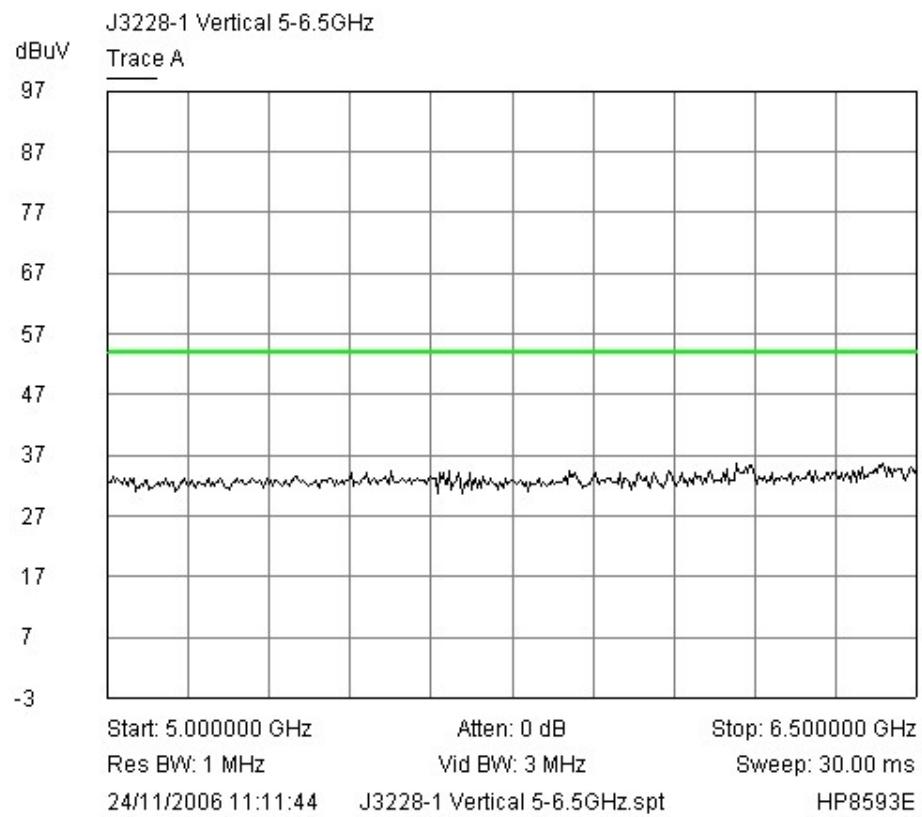


**Average Values of 2.7 to 5GHz.**

**Vertical Polarisation**

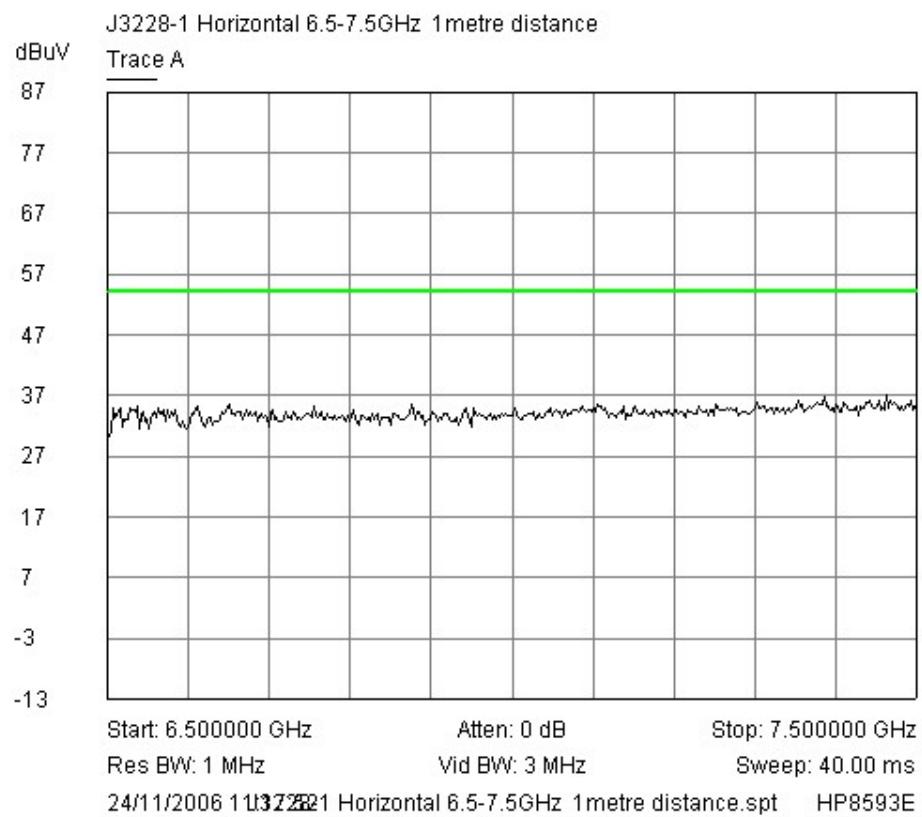


## Average Values of 5 – 6.5 GHz. Horizontal Polarisation

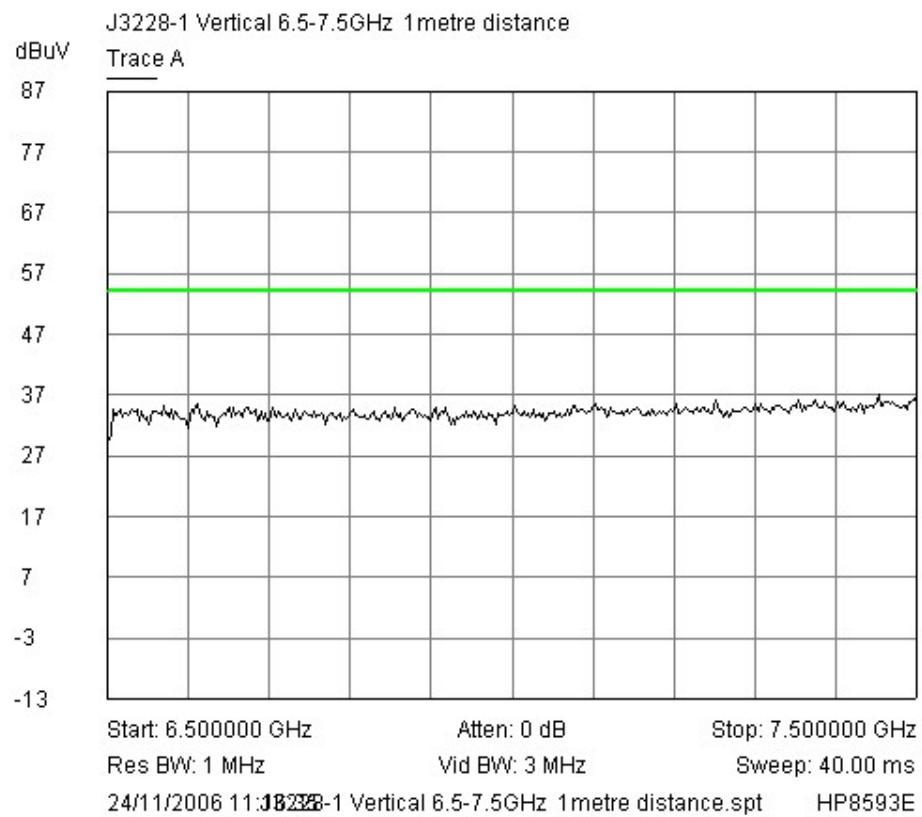


## Average Values of 5 – 6.5 GHz.

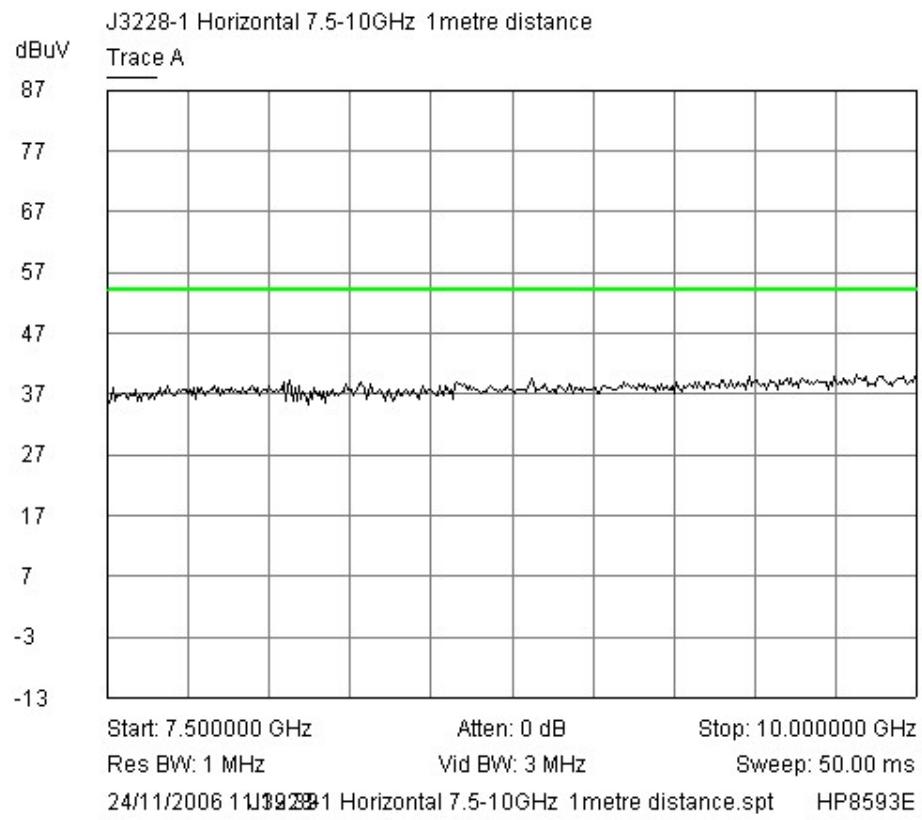
### Vertical Polarisation



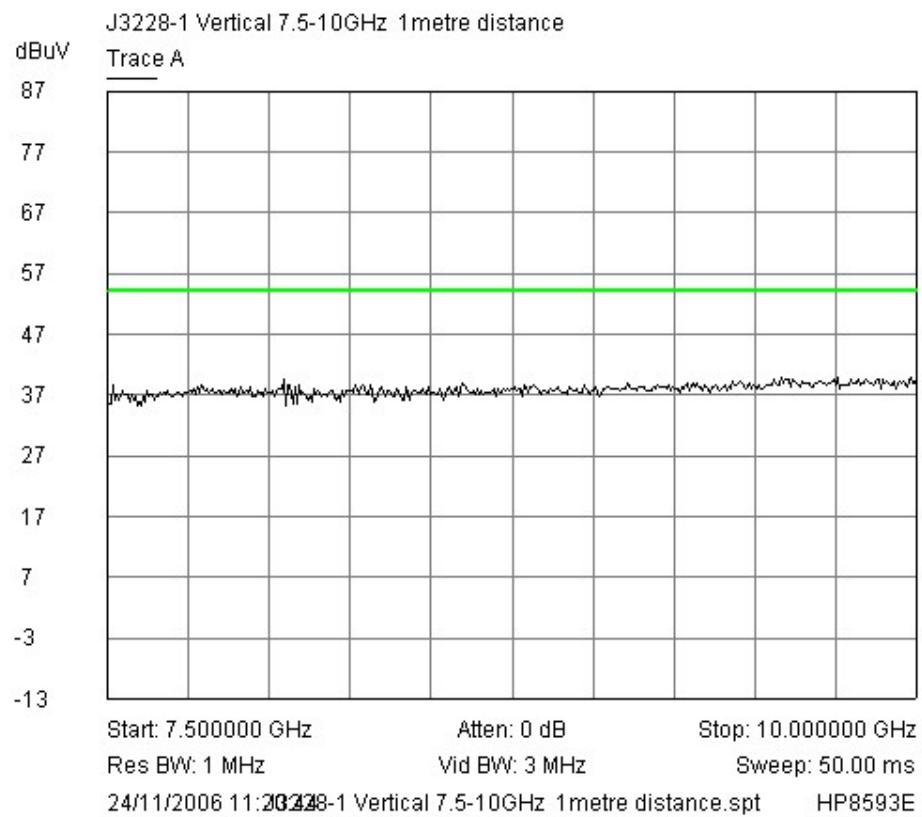
## Average Values of 6.5 - 7.5 GHz. Horizontal Polarisation



## Average Values of 6.5 - 7.5 GHz. Vertical Polarisation

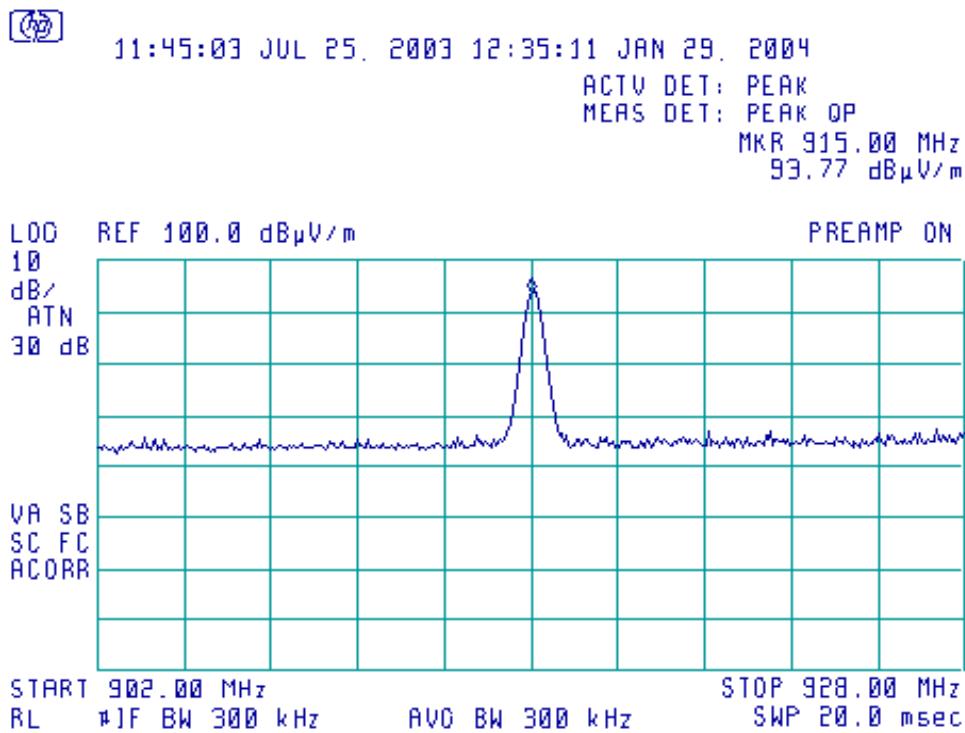


## Average Values of 7.5 – 10 GHz. Horizontal Polarisation

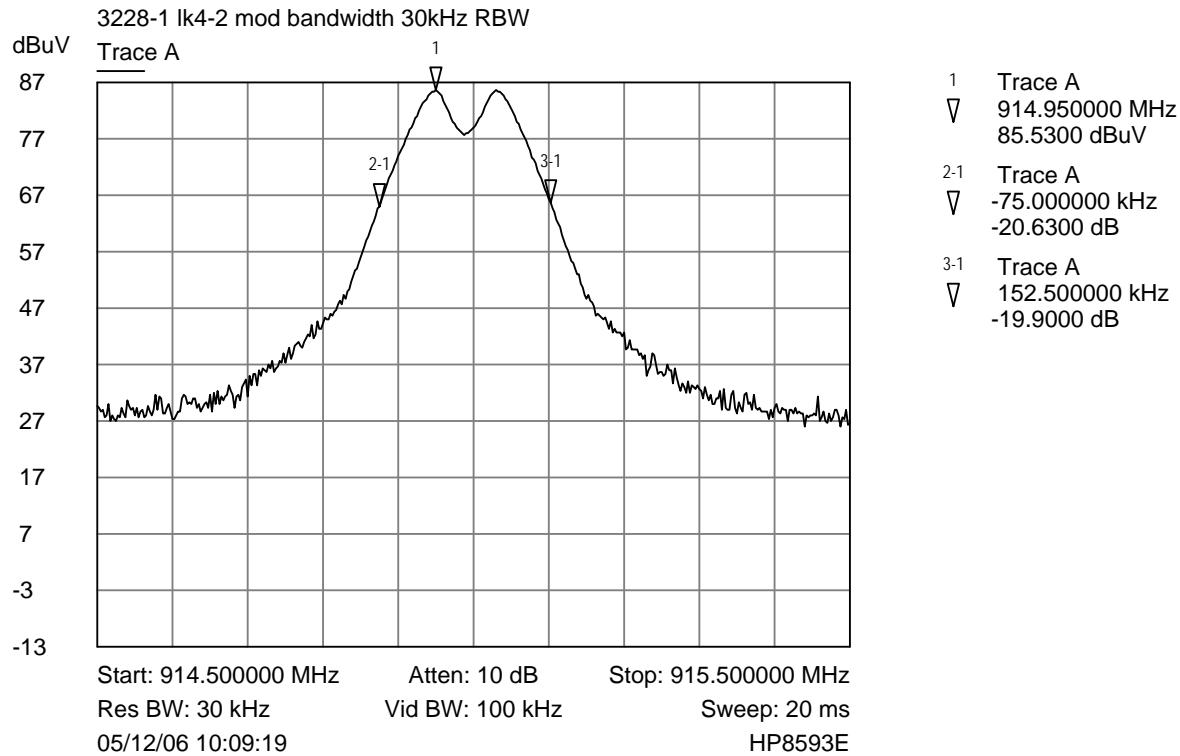


## Average Values of 7.5 – 10 GHz. Vertical Polarisation

### 6.3 Intentional Radiator Field Strength



### 6.4 Modulation Bandwidth



## 7           **Explanatory Notes**

### 7.1       **Explanation of FAIL LIMIT 1 Statement**

The **FAIL MARGIN 1** statement(s) may appear on the graphical plots when the receiver used to measure your equipment detects a signal that exceeds the dashed line. This does not mean that the **EUT** has failed the test only that the 10 dB calculation margin set, has been exceeded on a peak measurement.

Following the indication that the margin has been exceeded, measurements are made at the frequency (ies) of the peaks. These peaks have been calculated to either Quasi Peak or Average Peak dependant on the test. A table of results has been printed on the reverse of the page. This table looks similar to the one illustrated below: -

Signal Number	Frequency (MHz)	Peak (dB $\mu$ V)	PK Delta L 1 (dB)	Avg (dB $\mu$ V)	Av Delta L 1 (dB)
1	12345.0000	12.9	-2.5	10.2	-5.2

The First column, labelled Signal Number, is a number that the receiver has given to each signal, which has been calculated.

Column Two, labelled Frequency (MHz), is the frequency of the signal received.

Column Three, labelled Peak (dB $\mu$ V), (can also be labelled, in the case of Quasi Peak, Peak dB $\mu$ V/m) is the Level that was received at peak amount in dB above 1 $\mu$ V.

Column Four, labelled PK Delta L1 (dB), is the same level as Column three but is given in a level relative to the limit line required.

Column Five, labelled AVG (dB $\mu$ V), (can also be labelled, in the case of Quasi Peak, QP dB $\mu$ V/m) when undertaking a Quasi peak test, This is the Average or Quasi peak calculation results given in dB $\mu$ V or dB $\mu$ V/m above 1 $\mu$ V.

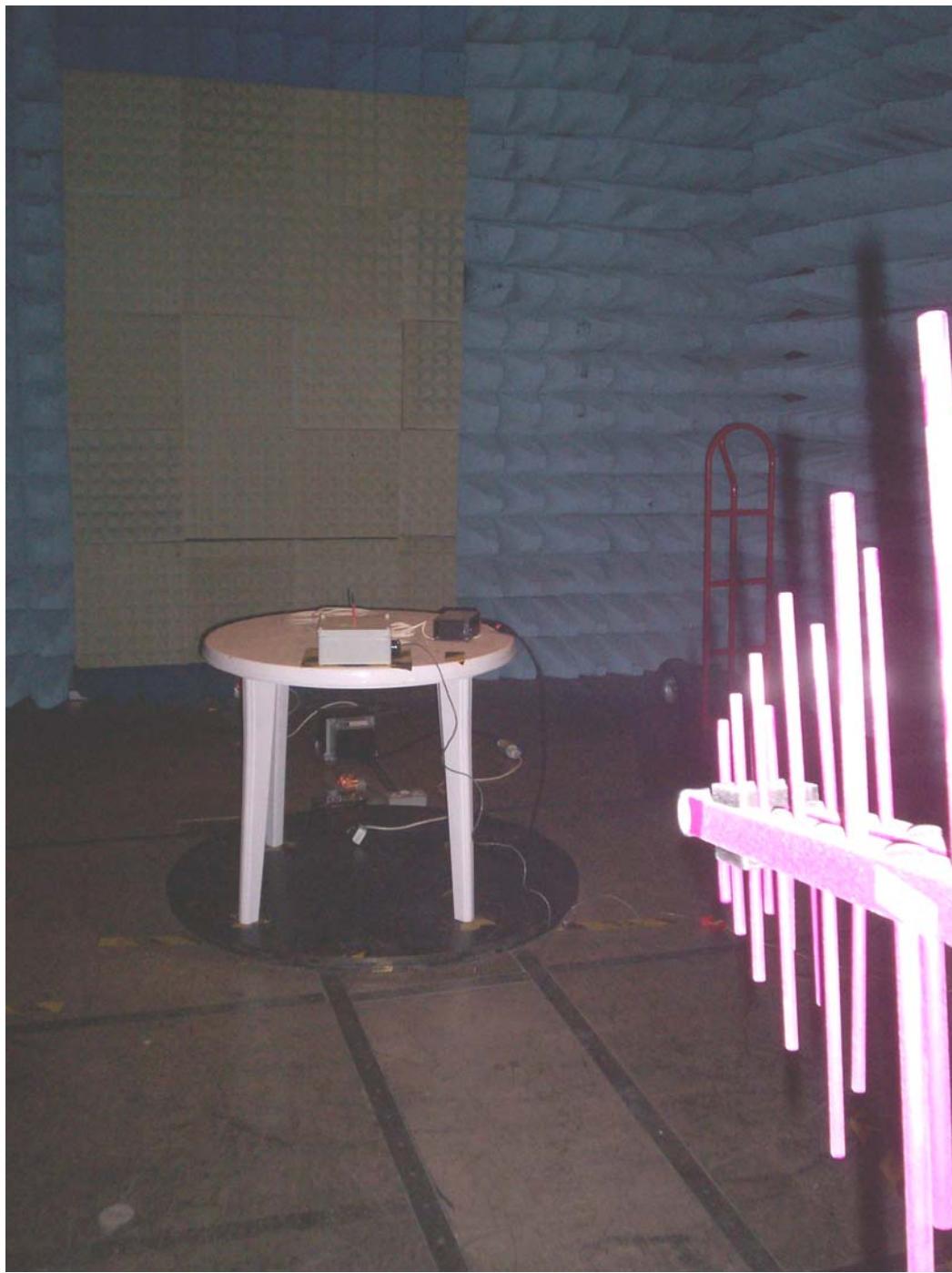
Column Six, labelled AV Delta L 1 (dB), (can also be labelled, in the case of Quasi Peak, QP Delta L 1 (dB)) is the Average or Quasi Peak calculation relevant to the limit line. The results entered in this column indicate the signal level relative to the compliance limit required. Negative numbers indicate that the product is compliant.

### 7.2       **Explanation of limit line calculations for radiated measurements**

The limits given in the test standard are normally expressed as absolute values (e.g. in  $\mu$ V/m at a specified distance), whereas the measured values are expressed as peak, quasi peak or average values in dB $\mu$ V/m referenced to the measuring instrument inputs. RN Electronics calibrate the test set-up to account for any path losses, antenna gains, etc. so that the value read at the receiver relates directly to the absolute value required, except that it is expressed in dB relative to one microVolt and may need to take account of any alternative measuring distance used. Examples:

- (a)       limit of 500  $\mu$ V/m equates to  $20 \log (500) = 54$  dB  $\mu$ V/m.
- (b)       limit of 300  $\mu$ V/m at 10m equates to  $20 \log (300 \cdot 10/3) = 60$  dB  $\mu$ V/m at 3m

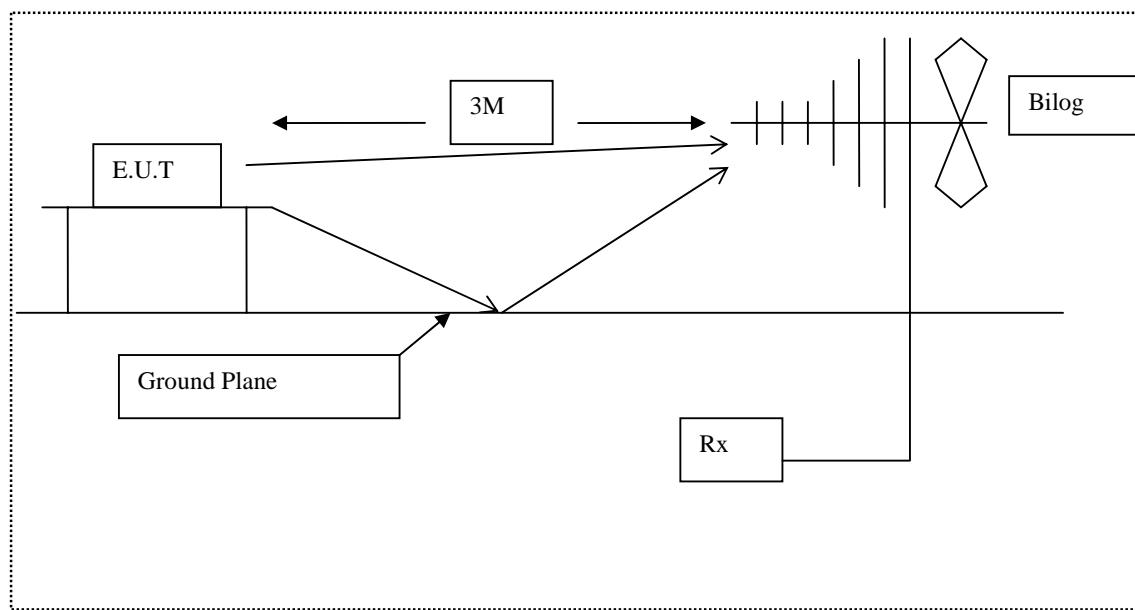
**8. Photographs**



**Photograph of the EUT as viewed from in front of the antenna, site M. Emissions below 1GHz**



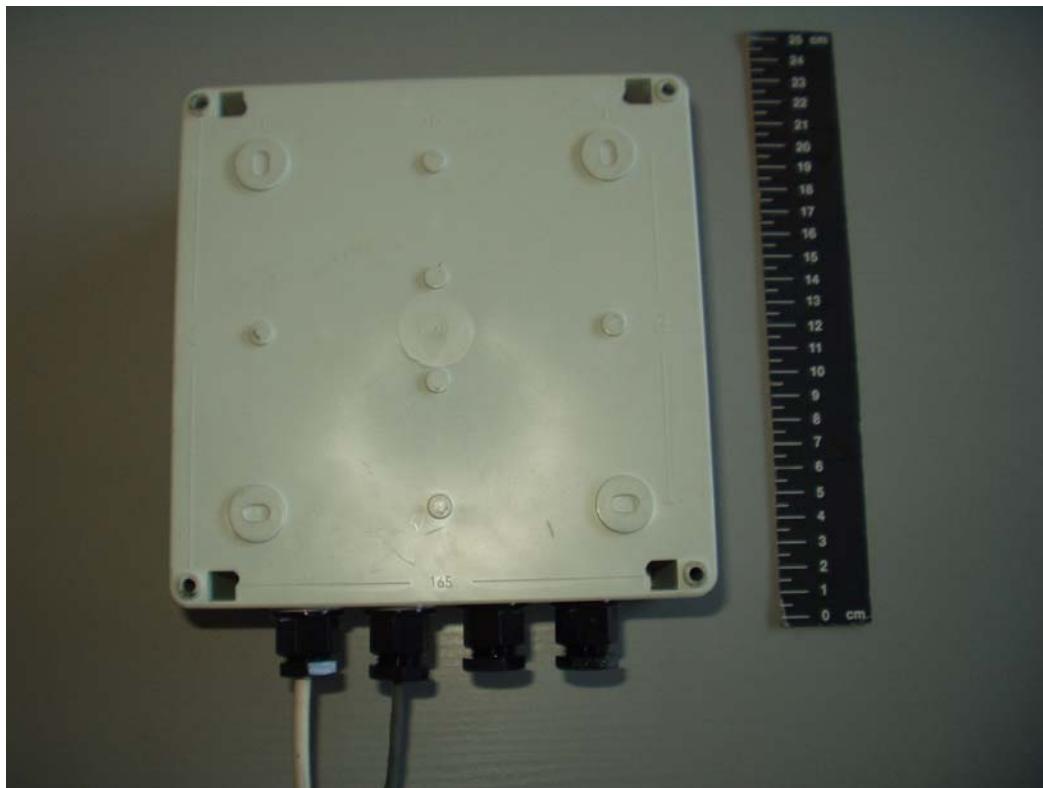
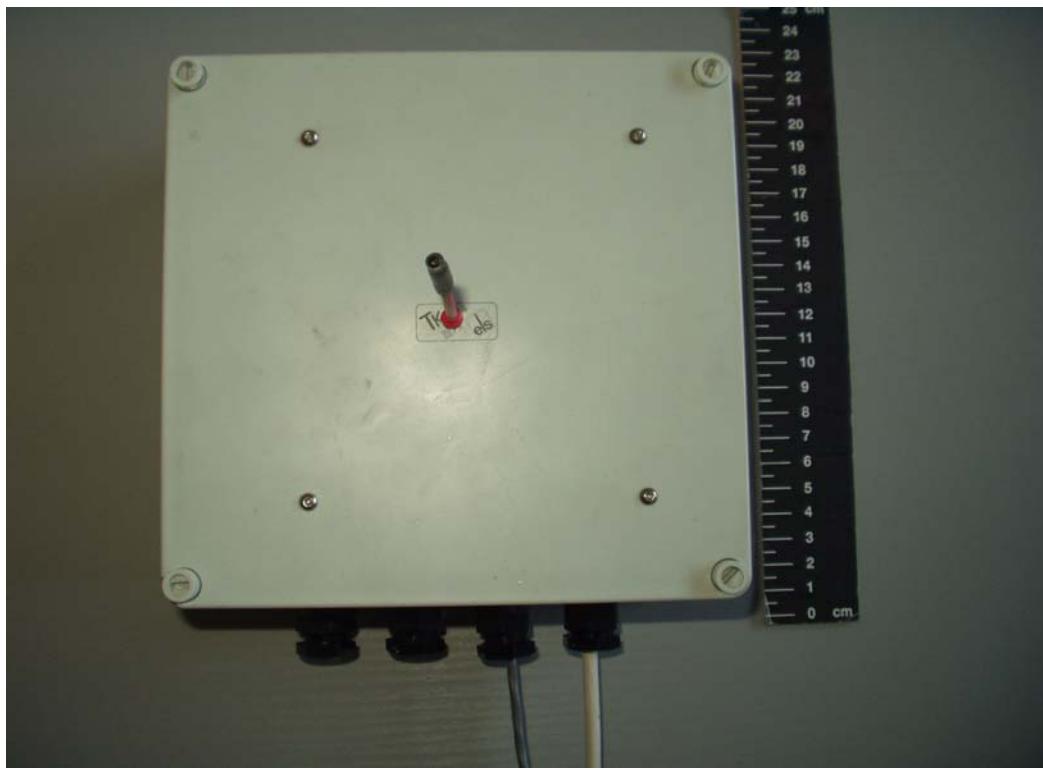
**Photograph of the EUT as viewed from in front of the antenna, site M. Emissions Above 1GHz**



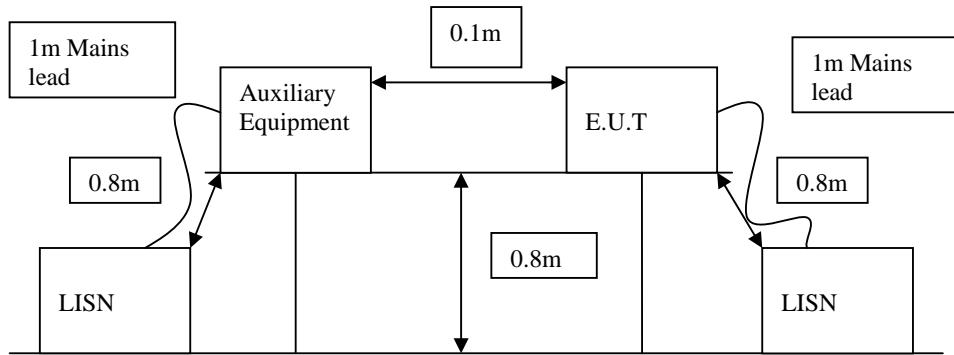
**Diagram of the radiated emissions test setup.**



**Photograph of the EUT as viewed from screened room (conducted emissions)**



## Identifying Photograph of the Wireless Data Terminal LK4-2



**Diagram of the conducted emissions test setup.**

## 9. Signal Leads

Port Name	Cable Type
AC Mains to DC	3 Core Mains to 2 Core
RS 485	Multicore Screened
Antenna	Antenna

## 10. Test Equipment Calibration list

The following table lists the test equipment used, last calibration date and calibration interval. All test equipment used has been maintained within the calibration requirements of **R.N. Electronics Ltd.** test facility quality system. Calibration intervals are regularly reviewed dependent on equipment manufacturer's recommendations and actual usage of the equipment.

RNNo	Model	Description	Manufacturer	Last Calibration	Interval
E1	HP8542E	EMI Receiver & RF Filter	Hewlett Packard	31 <sup>st</sup> October 2006	1 Year
E10	MN2050	LISN 13A	Chase	15 <sup>th</sup> May 2006	1 Year
E238	FC5343A	2.7 - 5.0 GHz BPF	IFR	Not Applicable	N/A
	H-34-2720-01	2.0 - 2.9 GHz BPF	Marconi	Not Applicable	N/A
E242	22102	Bandpass filter 7.8 - 16 GHz	Merimec	Not Applicable	N/A
E268	BHA 9118	1-18 GHz Horn Antenna	Schaffner	26 <sup>th</sup> May 2006	3 Years
E3	HP8593E	Spectrum Analyser	Hewlett Packard	20 <sup>th</sup> Sept 2006	2 Years
E35	HP11947A	Transient Limiter + 10dB Atten.	Hewlett Packard	13 <sup>th</sup> July 2006	6 Months
N438	3513 172 1208	3.9 - 7.5 GHz BPF	MEL	Not Applicable	N/A
TMS82	8449B	Pre Amplifier 1 - 26 GHz	Agilent	17 <sup>th</sup> October 2006	1 Year
TMS907	TH200	ThermoHygrometer	RS Components	31 <sup>st</sup> October 2006	2 Years
TMS933	CBL6141A	Bilog Antenna 30MHz - 2GHz	York EMC	17 <sup>th</sup> August 2006	2 Years
TMS937	CCN1000	Mains Flicker	Schaffner	7 <sup>th</sup> June 2006	2 Years
TMS938	NSG1007	3kV AC Power Source	Schaffner	7 <sup>th</sup> June 2006	2 Years
TMS912	MN2053	LISN	Chase	12 <sup>th</sup> Sep 2006	1 Year

**11. Auxiliary equipment**

**11.1 Auxiliary equipment supplied by Maynetronics Ltd**

Auxiliary equipment used for the purpose of test supplied by the above has been listed below

Manufacturer	Description	Model Number	Serial Number
-	CT4 Controller	FFRK+2ceEVw	1975
EMS	110V AC to 12V DC Power Supply	9090	-

**11.2 Auxiliary equipment supplied by RN Electronics Limited**

Auxiliary equipment used for the purpose of test supplied by the above has been listed below

NONE

**12. Modifications**

In order for the EUT to produce the results shown within this report the following modifications, if any, were implemented.

Inductor L83 (33nH) replaced with a 56ohm Resistor in order to reduce the fundamental field strength.

**13. Compliance information**

Products subject to the Declaration of Conformity procedure are required to be supplied with a compliance information statement. A copy of this statement may be included here:



## ***Certificate of Test***

The equipment noted below has been tested by ***R.N. Electronics Limited*** and conforms with the relevant subpart of FCC part 15, subject to deviations as detailed in this report.

*This certificate relates to the equipment, as identified by unique serial number(s) and further detailed in the referenced report, in the condition(s) at the time it was tested. It does not relate to any other similar equipment and performance of the product before or after the test cannot be guaranteed. Furthermore, this is a certificate of test only and should not be confused with an equipment authorisation.*

Equipment:	BASE Station
Model Number(s):	LK4-2
Unique Serial Number(s):	1991
Manufacturer:	Maynetronics Ltd
Customer Purchase Order Number:	2006-179
R.N. Electronics Limited Report Number:	07-191/3228/1/07A
Test Standards:	FCC Part 15C: Oct 2006 DXT Intentional Radiator
Date:	
For and on behalf of R.N. Electronics Limited	
Signature:	

QMF21 - 8: FCC PART 15C: RNE ISSUE 03: - JUL 07