ADDENDUM 02 TO TEST REPORT OF A 2.4 GHz RADIOLAN PCMCIA CARD, BRAND BREEZECOM, TYPE PC-DS11, IN CONFORMITY WITH FCC PART 15

FCC report layout endorsed by the FCC by Public Notice of March 11, 1992.

Accredited by	:	**STERLAB accreditation number L029 D.A.R., TTI-P-G.127/96-00**
Competent body	:	**Article 10-2 EMC Directive**
Notified body	:	**Article 10-5 EMC Directive Low Voltage Directive Number 0122 TTE Directive**
Designated laboratory	:	**TTE Directive**
Notified test service	:	**Automotive Directive**
FCC listed	:	**31040/SIT**
VCCI listed	:	**R 592 and C 507**
Certification body	:	**Electrical Products Safety Regulation Hong Kong**

Nederlands Meetinstituut

P.O. Box 15
9822 ZG Niekerk (NL)
Smidshornerweg 18
9822 TL Niekerk (NL)

Telephone: +31 594 505005
Telefax: +31 594 504804
E-mail: NMi@NMi.nl

MEASUREMENT/TECHNICAL REPORT

BreezeCOM, Ltd.

Model : PC-DS11

FCC ID: LKT-PC-DS11

September 30, 1999

This report concerns (check one):	Original grant	~~Class II change~~
Equipment type: Direct Sequence Spread Spectrum Transceiver		
Deferred grant requested per 47 CFR 0.457(d)(1)(ii)?	~~yes~~	no
If yes defer until: _____		
BreezeCOM, Ltd., Atidim Technology Park, Bldg 1, Tel Aviv 61131, Israel, agrees to notify the Commission by _____(date) of the intended date of announcement of the product so that the grant can be issued on that date		
Transition Rules Request per 15.37	~~yes~~	no
If no, assumed Part 15, Subpart B for unintentional radiators – the new 47 CFR (10-1-90 Edition) provision.		

Report prepared by:		
	Name	: Jan S. Sikkema B.Sc. E.E.
	Company name	: NMi Certin B.V.
	Address	: Smidshornerweg 18
	Telephone number	: + 31-59450-50 05
	Telefax number	: + 31-59450-48 04
	Mailing address	: P.O. Box 15
	City/Place/Postal cd.	: 9822 ZG NIEKERK
	Country	: The Netherlands

The data taken for this test and report herein was done in accordance with FCC Part 15 and measurement Procedures of ANSI C63.4-1992 and were relevant the procedures as specified in the sheets from the FCC attached to this test report. NMi Certin B.V. at Niekerk, The Netherlands, certifies that the data is accurate and contains a true representation of the emission-profile of the Equipment Under Test (EUT) on the date of the test noted in the test report. I have reviewed the test report and find it to be an accurate description of the test(s) performed and the EUT so tested.

Date: September 30, 1999 Signature:

P.A.J.M. Robben
Department EMC and Telecommunication

Table of Contents **Page**

1 Radiated emission data

The following data lists the significant emission frequencies (worst case), measured levels in accordance with FCC 15.209.

1.1 Radiated emissions above 1 GHz for PC-DS11 with integral antenna

Vertical polarization			
Frequency	Measured Value Peak (3m)	FCC limit	FCC margin
MHz	dbuV/m	dbuV/m	dB
2157.2	35.5	54.0	-18.5

Table 1.1: Peak radiated emissions above 1GHz on channel 6 of PC-DS11 (Vertical)

Vertical polarization			
Frequency	Measured Value Avg. (3m)	FCC limit	FCC margin
MHz	dbuV/m	dbuV/m	dB
2157.2	35.3	54.0	-18.7

Table 1.2: Average radiated emissions above 1GHz on channel 6 of PC-DS11 (Vertical)

Notes:
Polarization refers to measuring antenna, negative margin means it is below the limit. All radiated harmonic emissions were found to be > 25dB below limits.

The radiated emission measurement has been carried out with AC supply voltage of 120 V.

Test personnel:

Tester signature : Date: September 15, 1999

Typed/Printed name : Jan S. Sikkema

Horizontal polarization			
Frequency	Measured Value Peak (3m)	FCC limit	FCC margin
MHz	dbuV/m	dbuV/m	dB
2157.2	37.7	54.0	-16.3

Table 1.3: Peak radiated emissions above 1GHz on channel 6 of PC-DS11 (Horizontal)

Horizontal polarization			
Frequency	Measured Value Avg. (3m)	FCC limit	FCC margin
MHz	dbuV/m	dbuV/m	dB
2157.2	37.4	54.0	-16.6

Table 1.4: Average radiated emissions above 1GHz on channel 6 of PC-DS11 (Horizontal)

Notes:
Polarization refers to measuring antenna, negative margin means it is below the limit. All radiated harmonic emissions were found to be > 25dB below limits.

The radiated emission measurement has been carried out with AC supply voltage of 120 V.

Test personnel:

Tester signature : Date: September 15, 1999

Typed/Printed name : Jan S. Sikkema

1.2 Radiated emissions above 1GHz of PC-DS11 with external antenna

Vertical polarization			
Frequency	Measured Value Peak (3m)	FCC limit	FCC margin
MHz	dbuV/m	dbuV/m	dB
2157.2	35.8	54.0	-18.3

Table 1.5: Peak radiated emissions above 1GHz on channel 6 of PC-DS11 (Vertical)

Vertical polarization			
Frequency	Measured Value Avg. (3m)	FCC limit	FCC margin
MHz	dbuV/m	dbuV/m	dB
2157.2	35.5	54.0	-18.5

Table 1.6: Average radiated emissions above 1GHz on channel 6 of PC-DS11 (Vertical)

Notes:
Polarization refers to measuring antenna, negative margin means it is below the limit. All radiated harmonic emissions were found to be > 25dB below limits.

The radiated emission measurement has been carried out with AC supply voltage of 120 V.

Test personnel:

Tester signature : Date: September 15, 1999

Typed/Printed name : Jan S. Sikkema

Horizontal polarization			
Frequency	Measured Value Peak (3m)	FCC limit	FCC margin
MHz	dbuV/m	dbuV/m	dB
2157.2	36.6	54.0	-17.4

Table 1.7: Peak radiated emissions above 1GHz on channel 6 of PC-DS11 (Horizontal)

Horizontal polarization			
Frequency	Measured Value Avg. (3m)	FCC limit	FCC margin
MHz	dbuV/m	dbuV/m	dB
2157.2	36.2	54.0	-17.8

Table 1.8: Average radiated emissions above 1GHz on channel 6 of PC-DS11 (Horizontal)

Notes:
Polarization refers to measuring antenna, negative margin means it is below the limit. All radiated harmonic emissions were found to be > 25dB below limits.

The radiated emission measurement has been carried out with AC supply voltage of 120 V.

Test personnel:

Tester signature : Date: September 15, 1999

Typed/Printed name : Jan S. Sikkema

2 Peak power

The peak power measurement was performed in accordance with FCC 15.247 (b). The plot is made with the highest bandwidth being worst case. The maximum value is then marked and the peak value of this signal is measured using a wideband diode detector.

Channel	Peak Power (dBm)
1	7.1
6	8.8
11	11.7

Table 2.1: Peak Power

Test personnel:

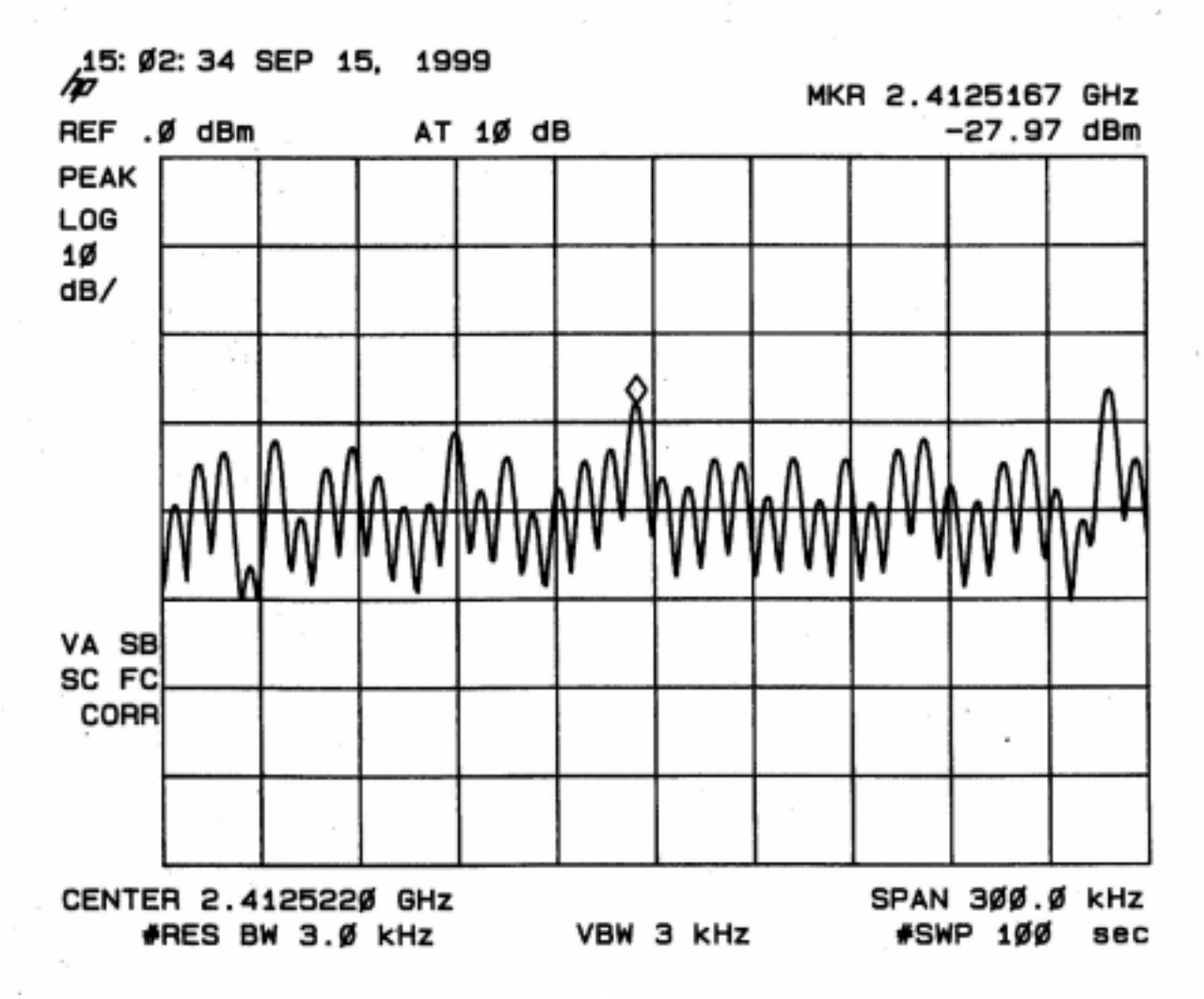
Tester signature : Date: September 15, 1999

Typed/Printed name : Jan S. Sikkema

3 Peak power density

The peak power measurement was performed in accordance with FCC 15.247 (d)

3.1 Channel 1



Plot 3.1: Peak Power Spectral Density plot of channel 1

Modulation = 5.5 Mbps

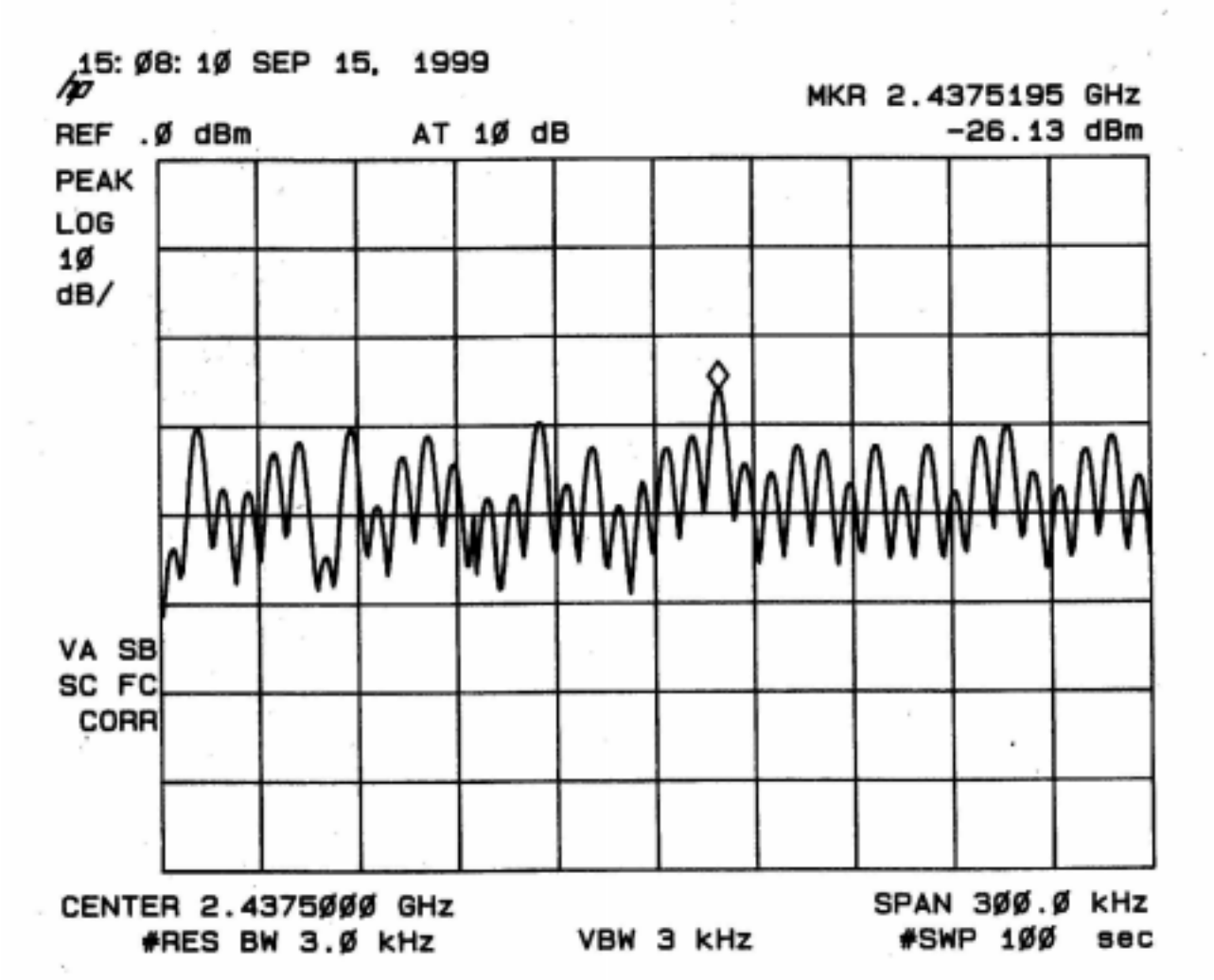
The peak power spectral density on channel 1 : -27.97 dBm.

Test personnel:

Tester signature : Date: September 15, 1999

Typed/Printed name : Jan S. Sikkema

3.2 Channel 6



Plot 3.2: Peak Power Spectral Density plot of channel 6

Modulation = 5.5 Mbps

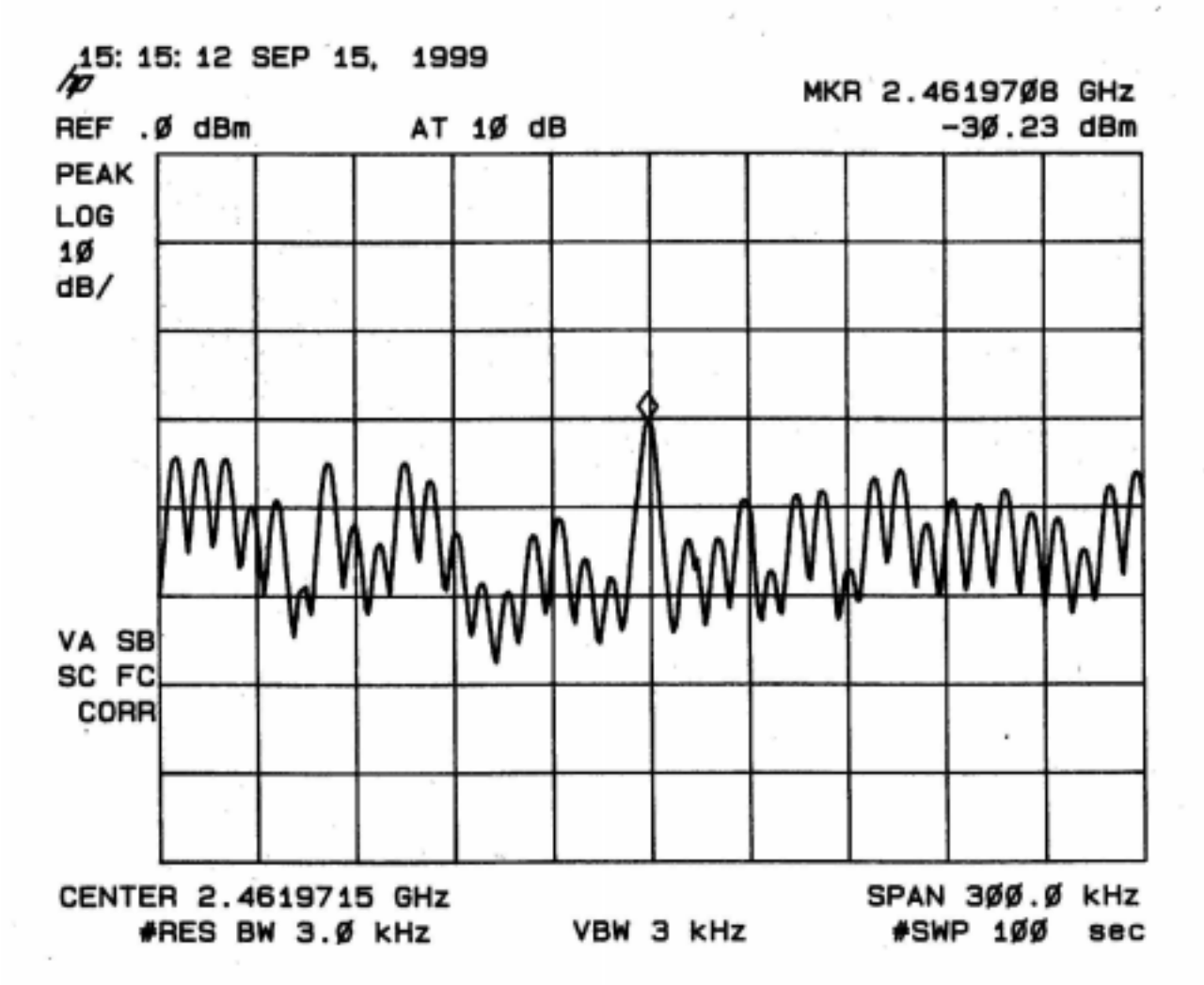
The peak power spectral density on channel 6 : -26.13 dBm.

Test personnel:

Tester signature : Date: September 15, 1999

Typed/Printed name : Jan S. Sikkema

3.3 Channel 11



Plot 3.3: Peak Power Spectral Density plot of channel 11

Modulation = 5.5 Mbps

The peak power spectral density on channel 11 : -30.23 dBm.

Test personnel:

Tester signature : Date: September 15, 1999

Typed/Printed name : Jan S. Sikkema