

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 1 von 4
Page 1 of 4

Appendix A

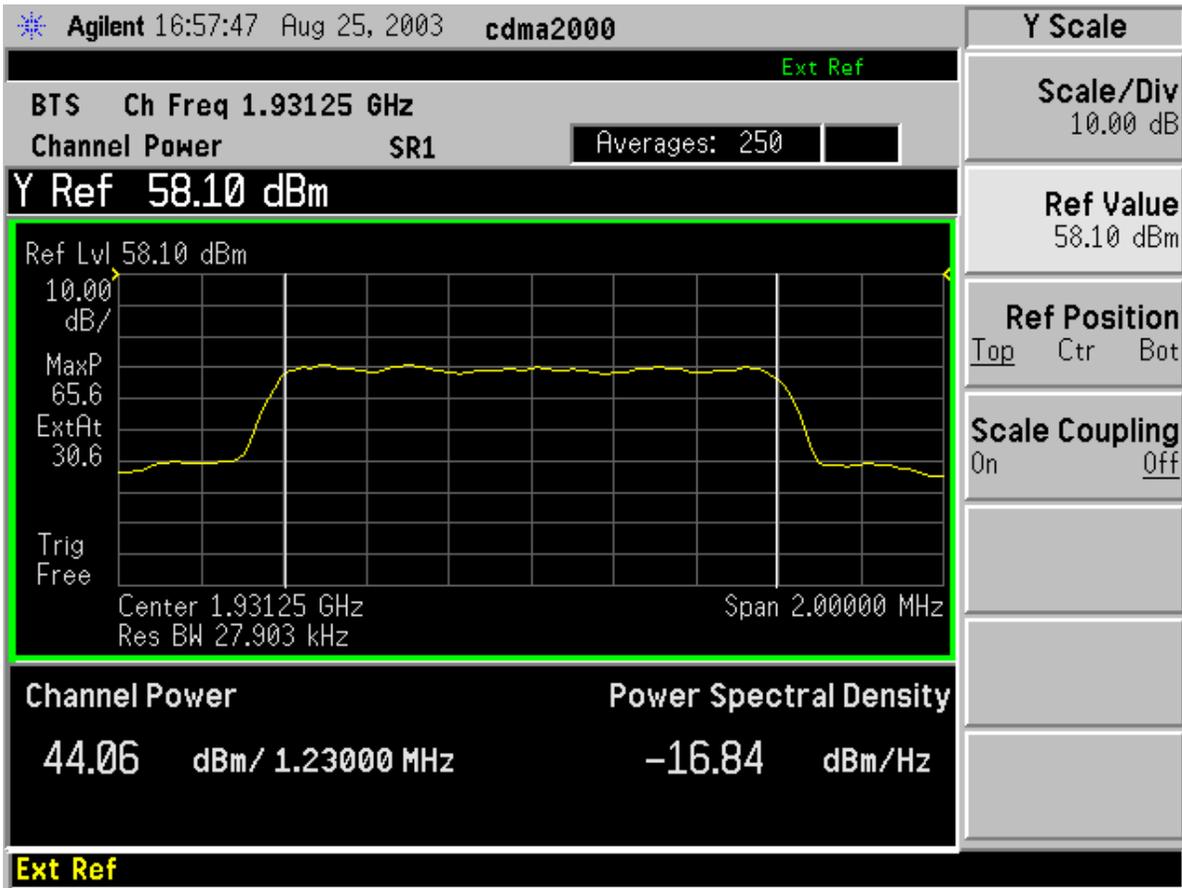
Channel Power Measurement

According to CFR 47 (FCC) part 2.1046

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 2 von 4
Page 2 of 4

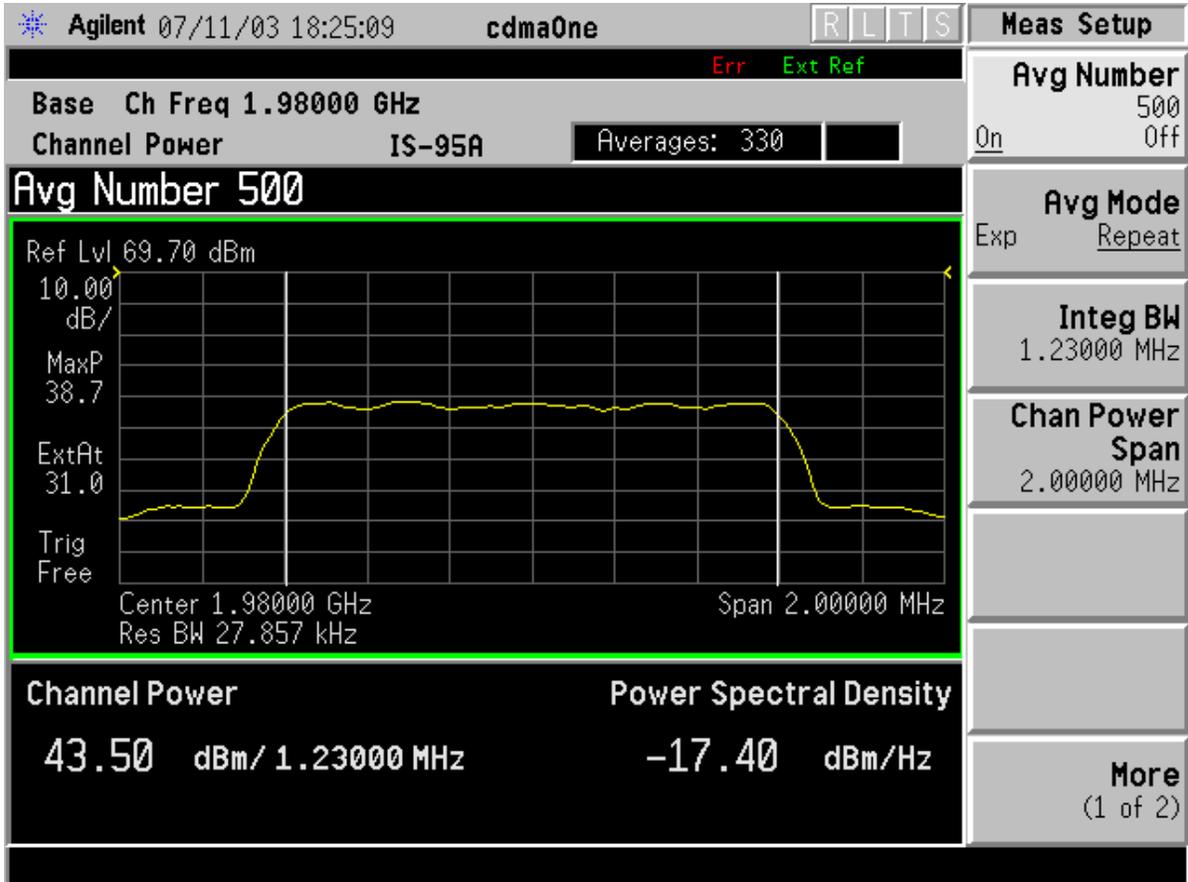
Channel 25



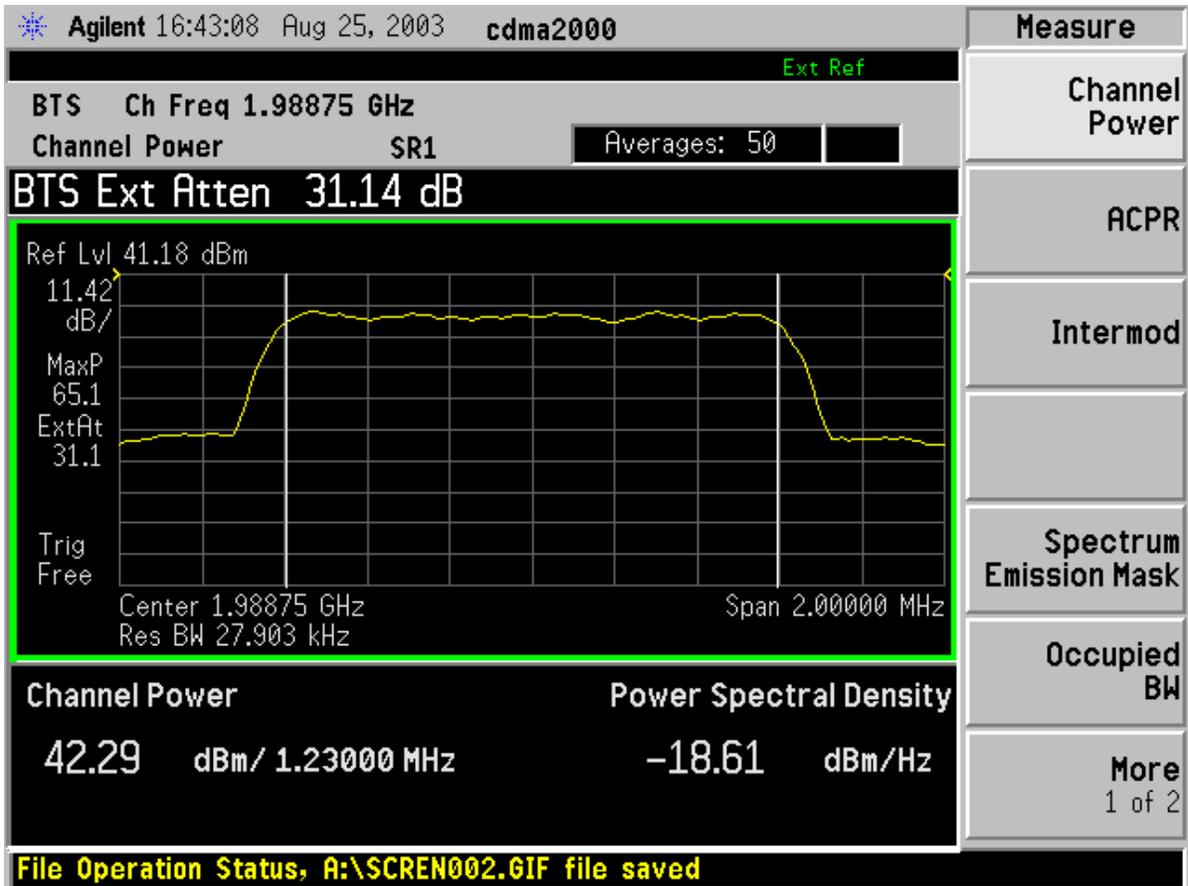
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 3 von 4
Page 3 of 4

Channel 1000



Channel 1175



Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 1 von 4
Page 1 of 4

Appendix B

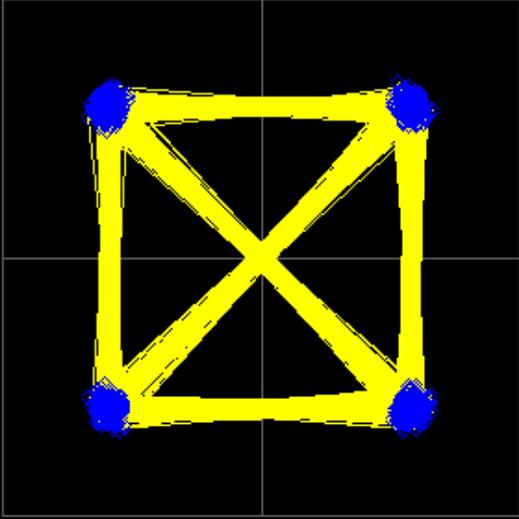
Modulation Characteristic Measurement

According to CFR 47 (FCC) part 2.1047

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 2 von 4
Page 2 of 4

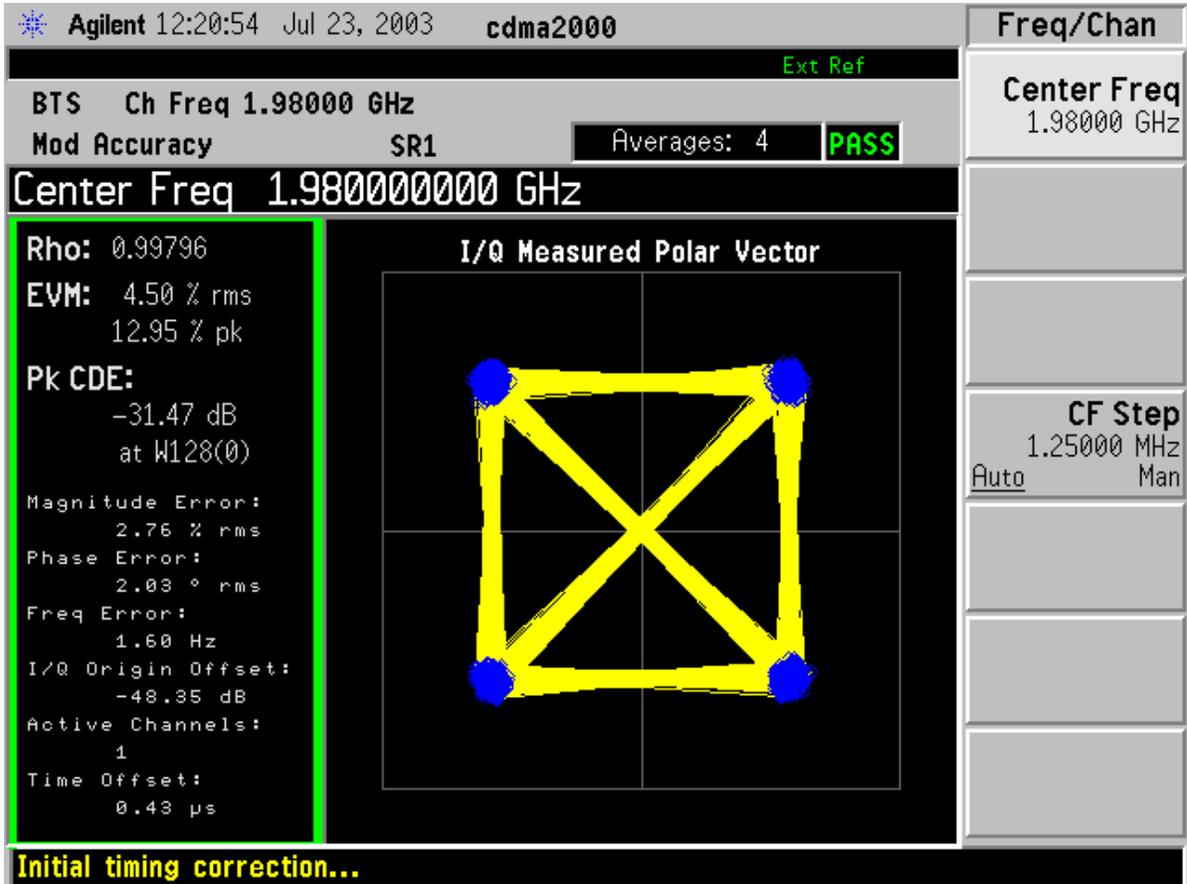
Channel 25

Agilent 16:32:59 Aug 25, 2003 cdma2000		Trace/View
Ext Ref		I/Q Measured Polar Graph
BTS Ch Freq 1.93125 GHz	Mod Accuracy SR1	Averages: 2 PASS
Rho: 0.99777	I/Q Measured Polar Vector	
EVM: 4.73 % rms 15.20 % pk		
PK CDE: -33.60 dB at W128(0)	I/Q Error (Quad View)	
Magnitude Error: 2.99 % rms	Power Timing & Phase	
Phase Error: 2.10 ° rms		
Freq Error: -0.91 Hz		
I/Q Origin Offset: -48.57 dB		
Active Channels: 1		
Time Offset: -0.34 µs		
Initial timing correction...		

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 3 von 4
Page 3 of 4

Channel 1000



Channel 1175

Agilent 17:35:34 Aug 25, 2003 cdma2000		Measure
Ext Ref		
BTS Ch Freq 1.98875 GHz		Code Domain
Mod Accuracy SR1	Averages: 1	PASS
Rho: 0.99764		Mod Accuracy (Composite Rho)
EVM: 4.87 % rms 13.27 % pk		QPSK EVM
PK CDE: -33.09 dB at W128(0)		Power Stat CCDF
Magnitude Error: 3.03 % rms		Spectrum (Freq Domain)
Phase Error: 2.19 ° rms		Waveform (Time Domain)
Freq Error: -4.58 Hz		More 2 of 2
I/Q Origin Offset: -48.69 dB		
Active Channels: 1		
Time Offset: -0.30 µs		
Final timing estimation...		

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 1 von 4
Page 1 of 4

Appendix C

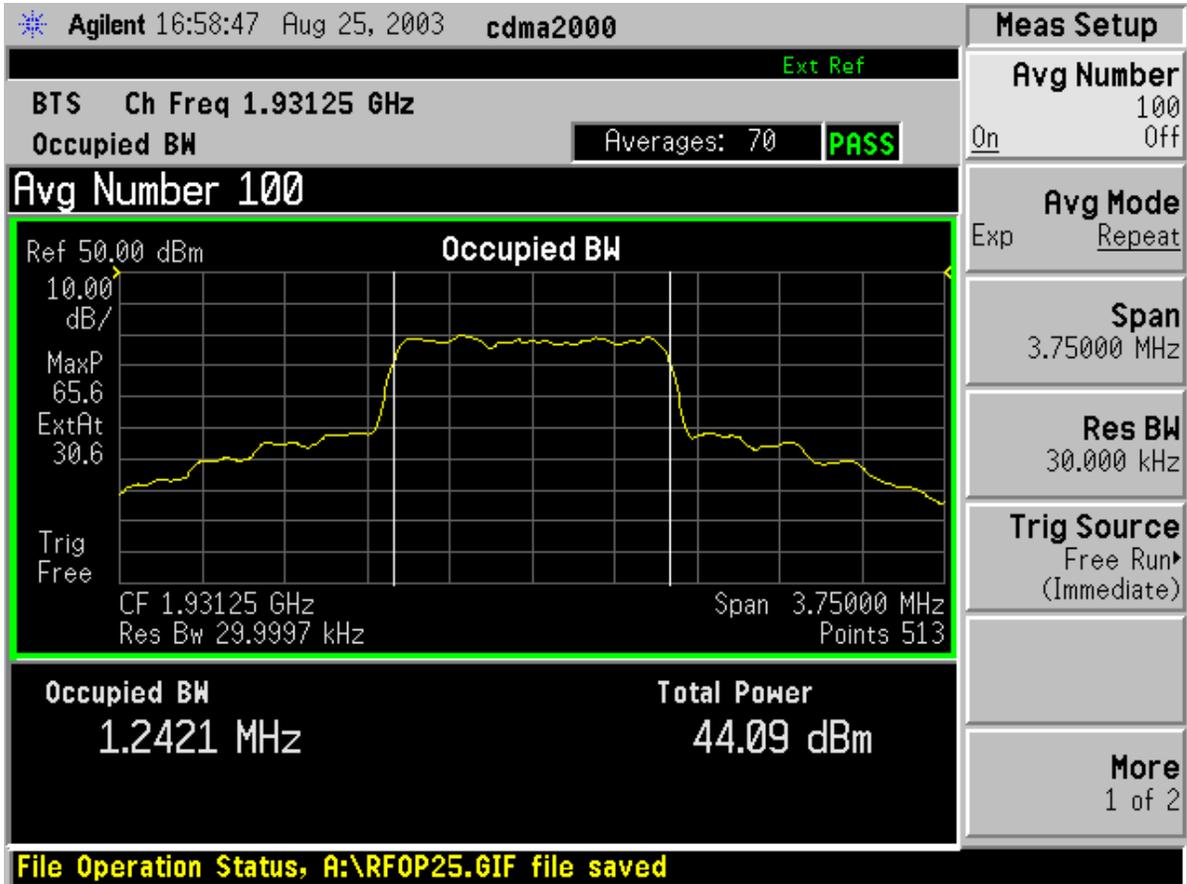
Occupied Bandwidth Measurement

According to CFR 47 (FCC) part 2.1049

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 2 von 4
Page 2 of 4

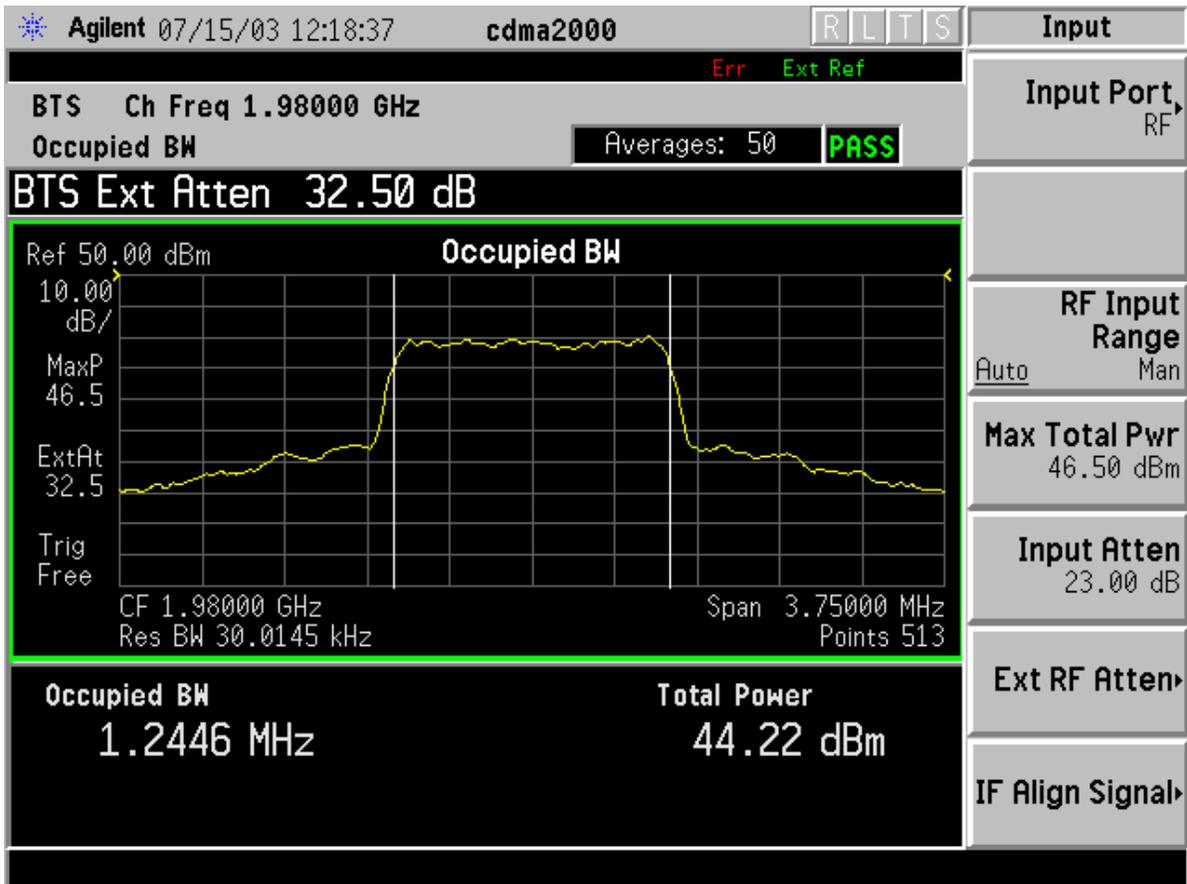
Channel 25



Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 3 von 4
Page 3 of 4

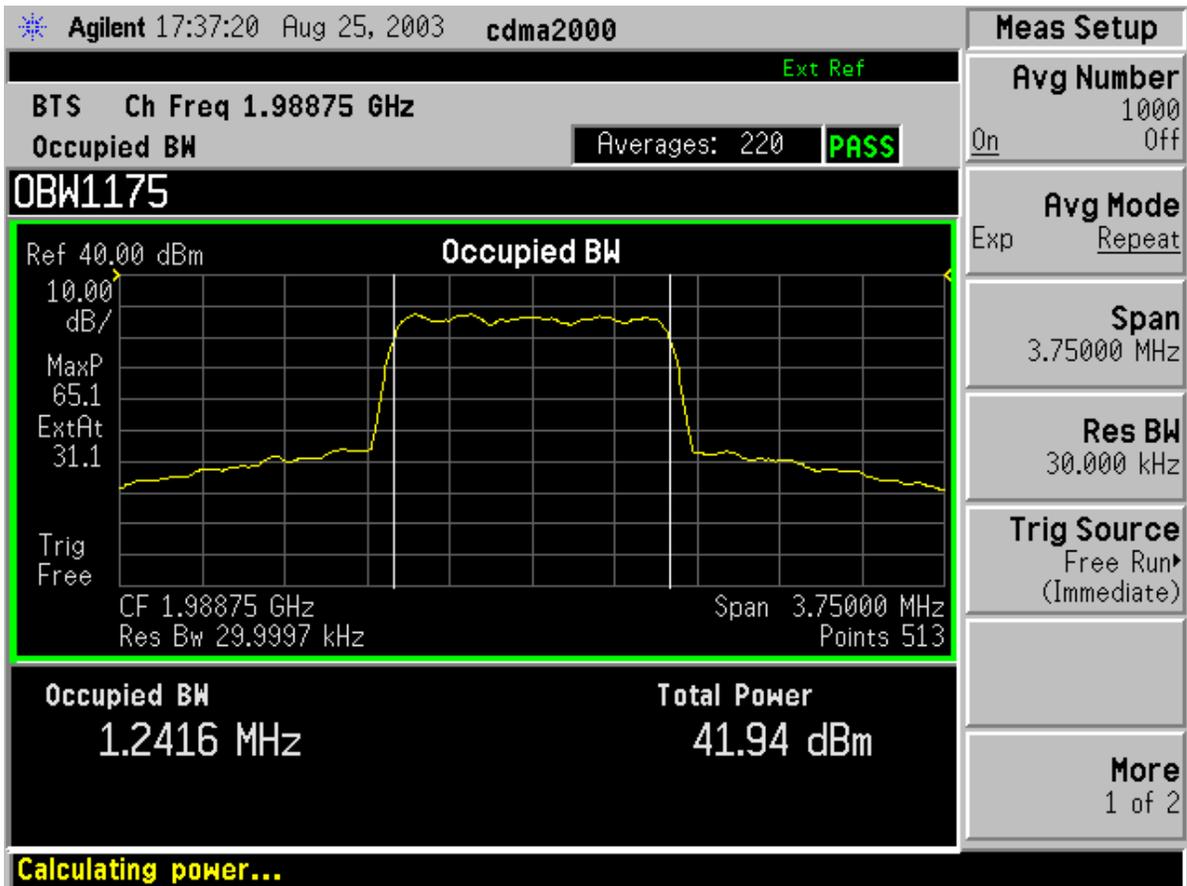
Channel 1000



Prüfbericht - Nr.: 17001675 001
Test Report No.

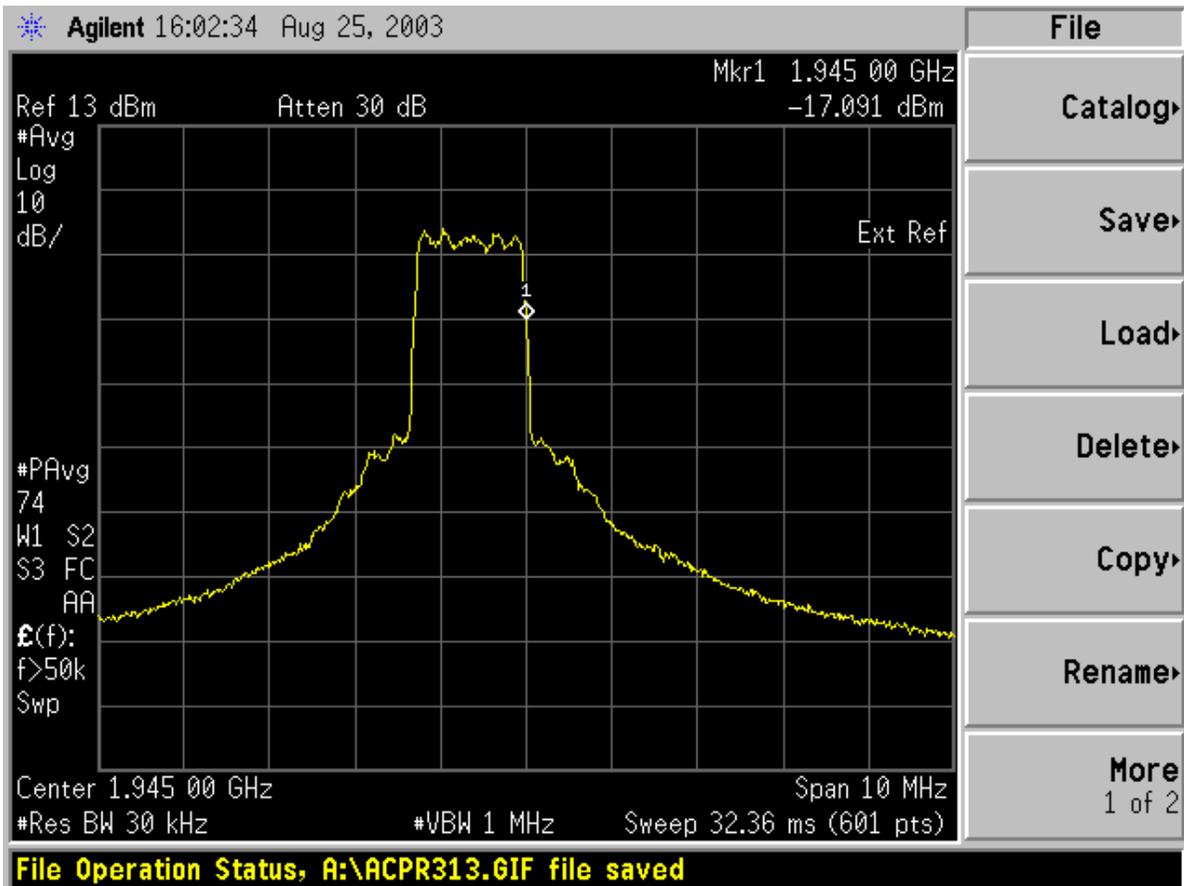
Seite 4 von 4
Page 4 of 4

Channel 1199

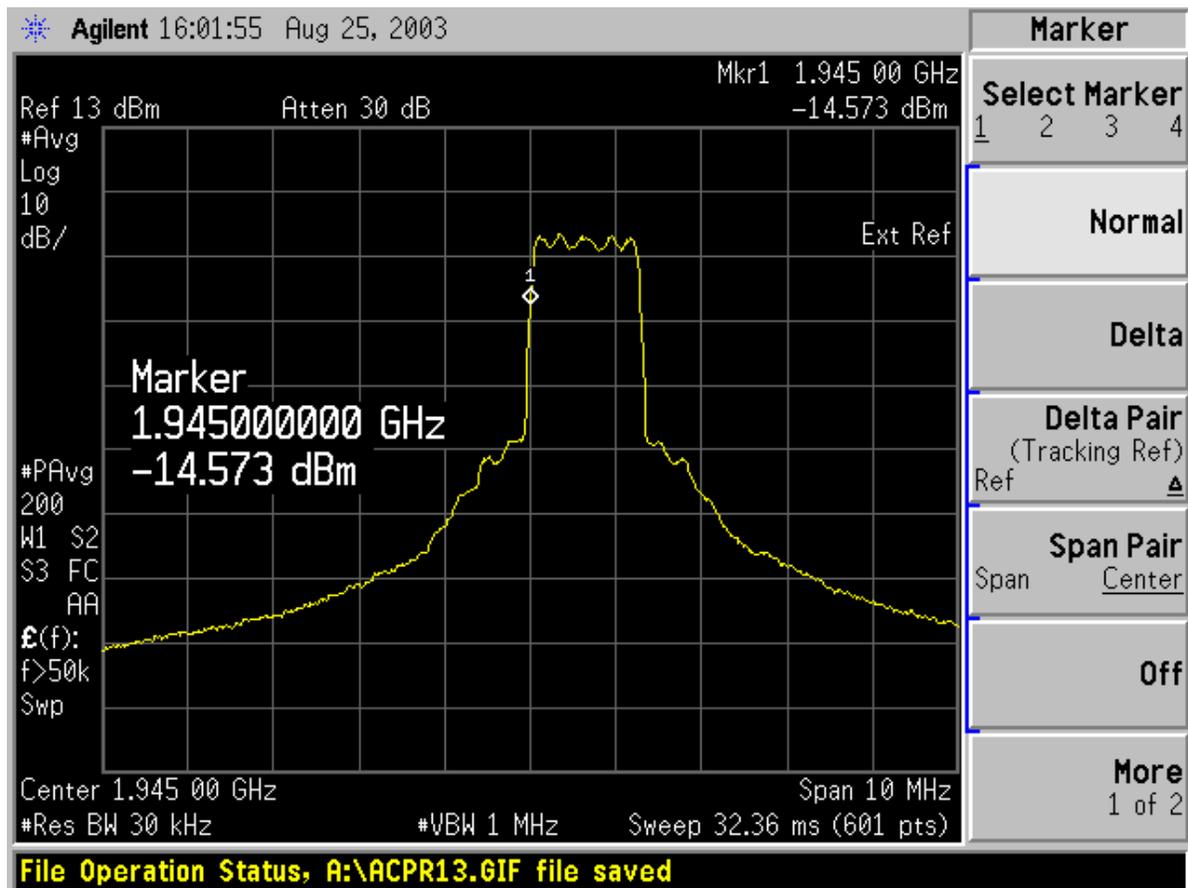


Appendix D
Spurious Emission at Antenna Terminal
Measurements
According to CFR 47 (FCC) part 2.1051

Channel 287(1944.35MHz)



Channel 313(1945.65MHz)

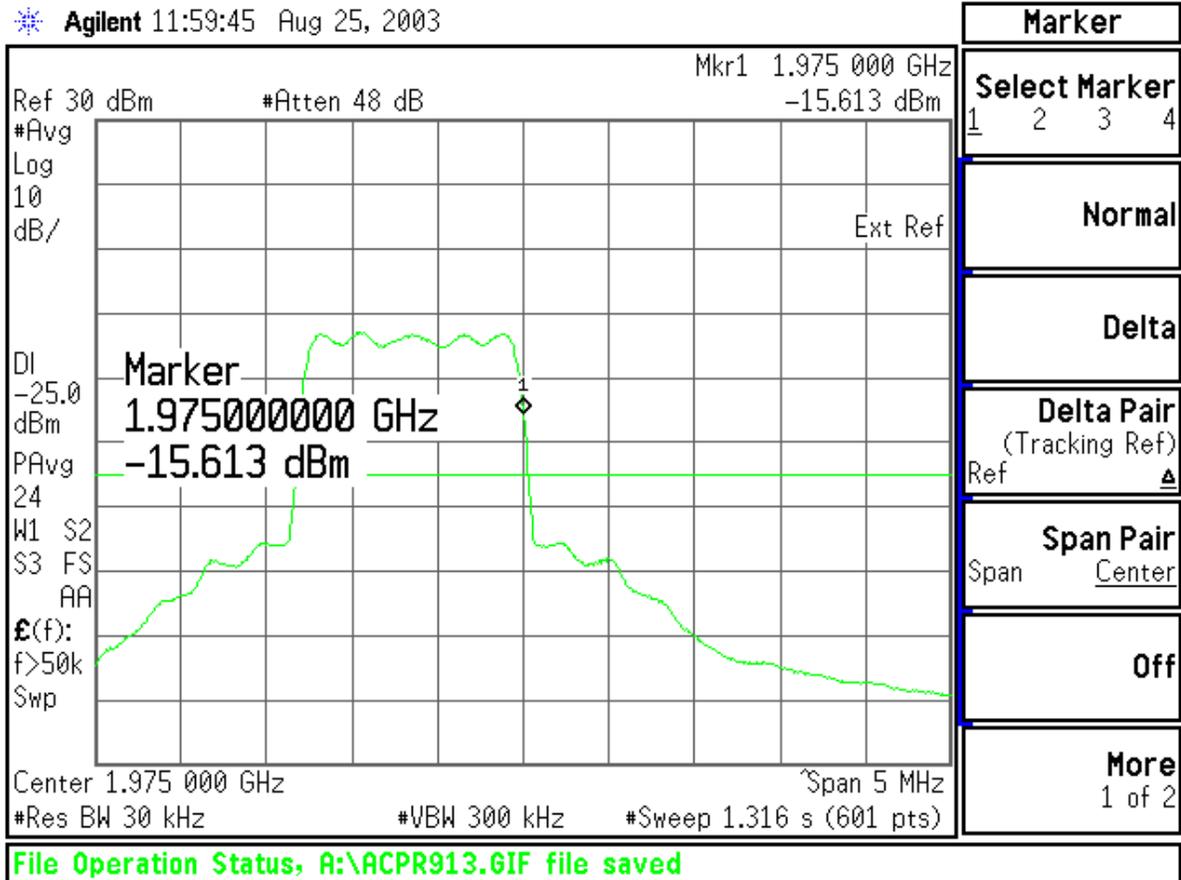


Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 5 von 20
Page 5 of 20

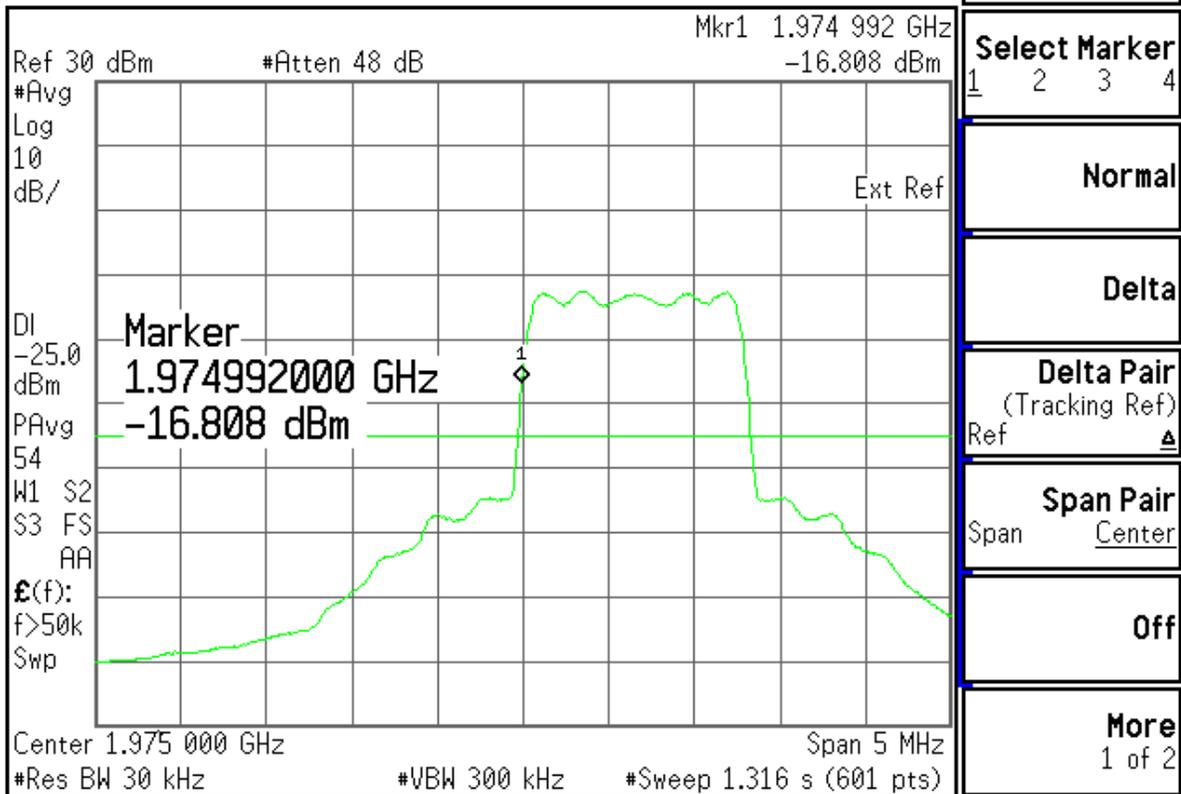
Channel 887(1974.35MHz)

* Agilent 11:59:45 Aug 25, 2003



Channel 913(1975.65MHz)

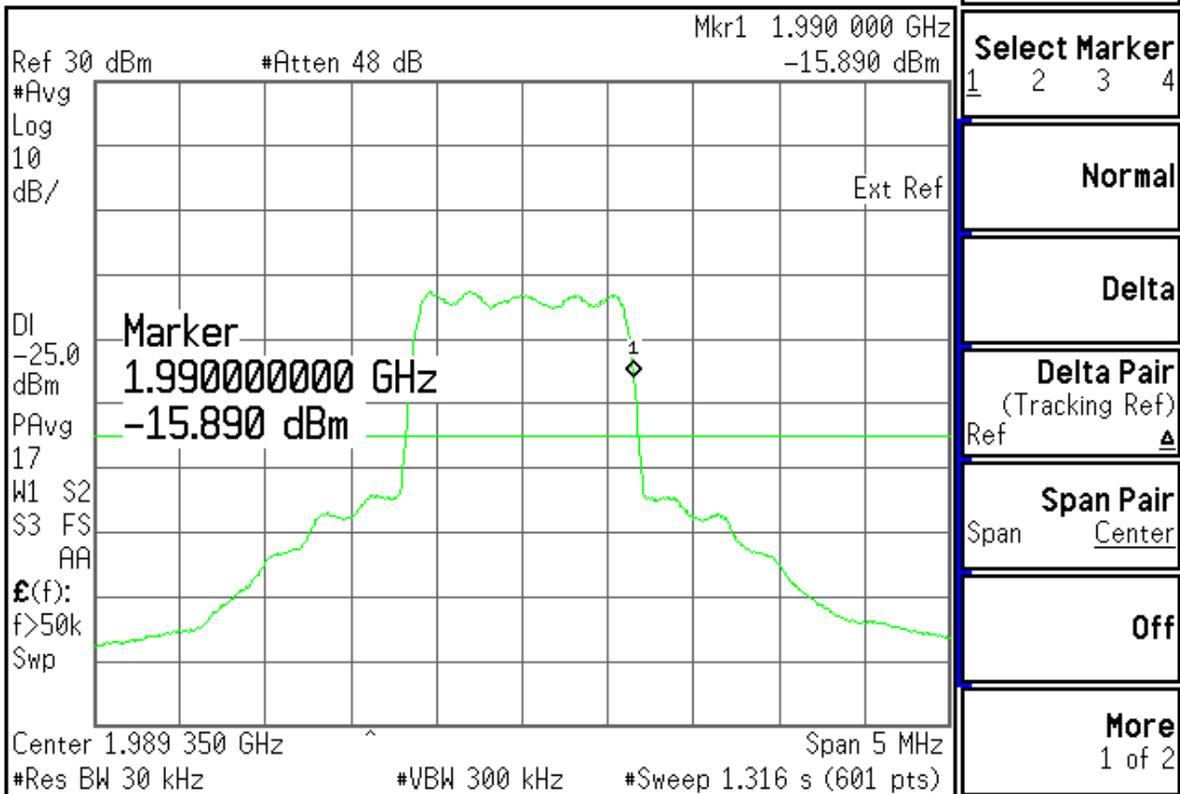
Agilent 11:56:21 Aug 25, 2003



Allowable CF for current span exceeded

Channel 1187(1989.35MHz)

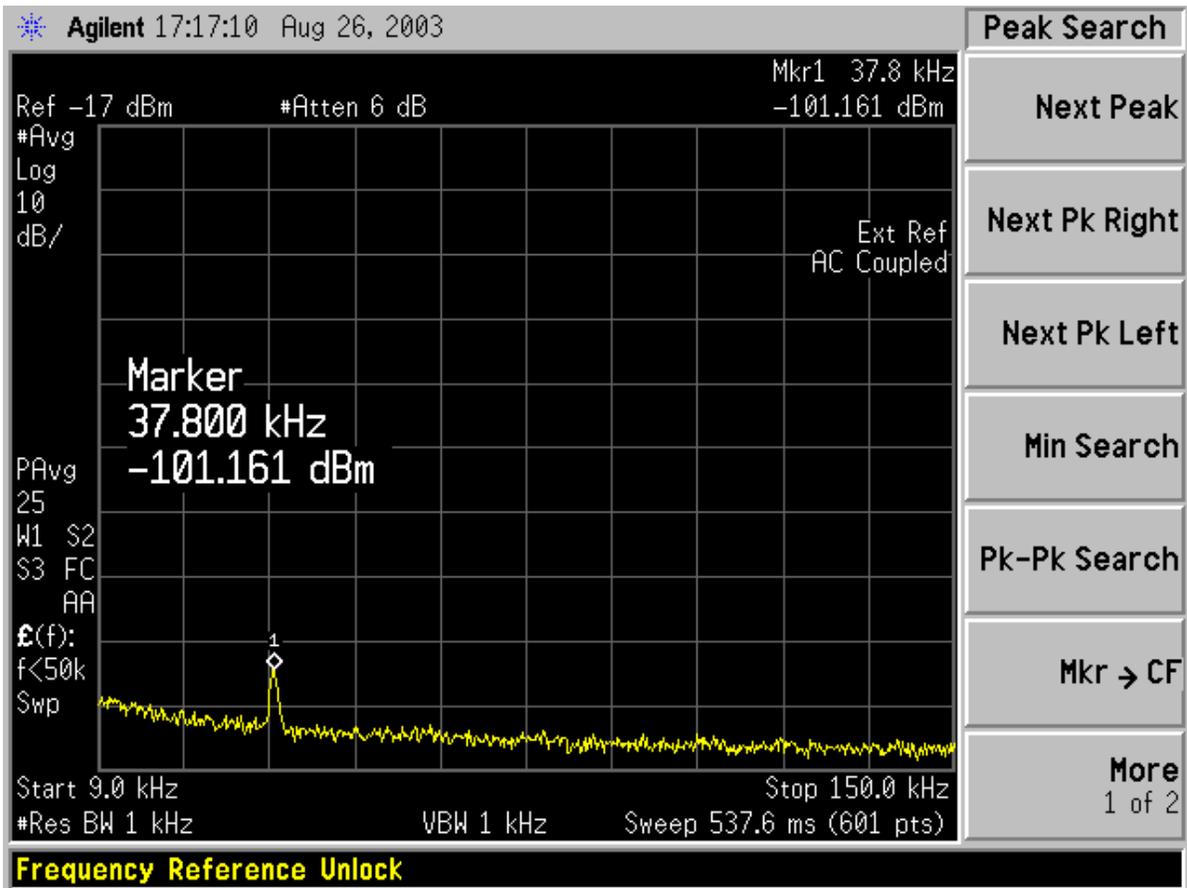
Agilent 11:35:07 Aug 25, 2003

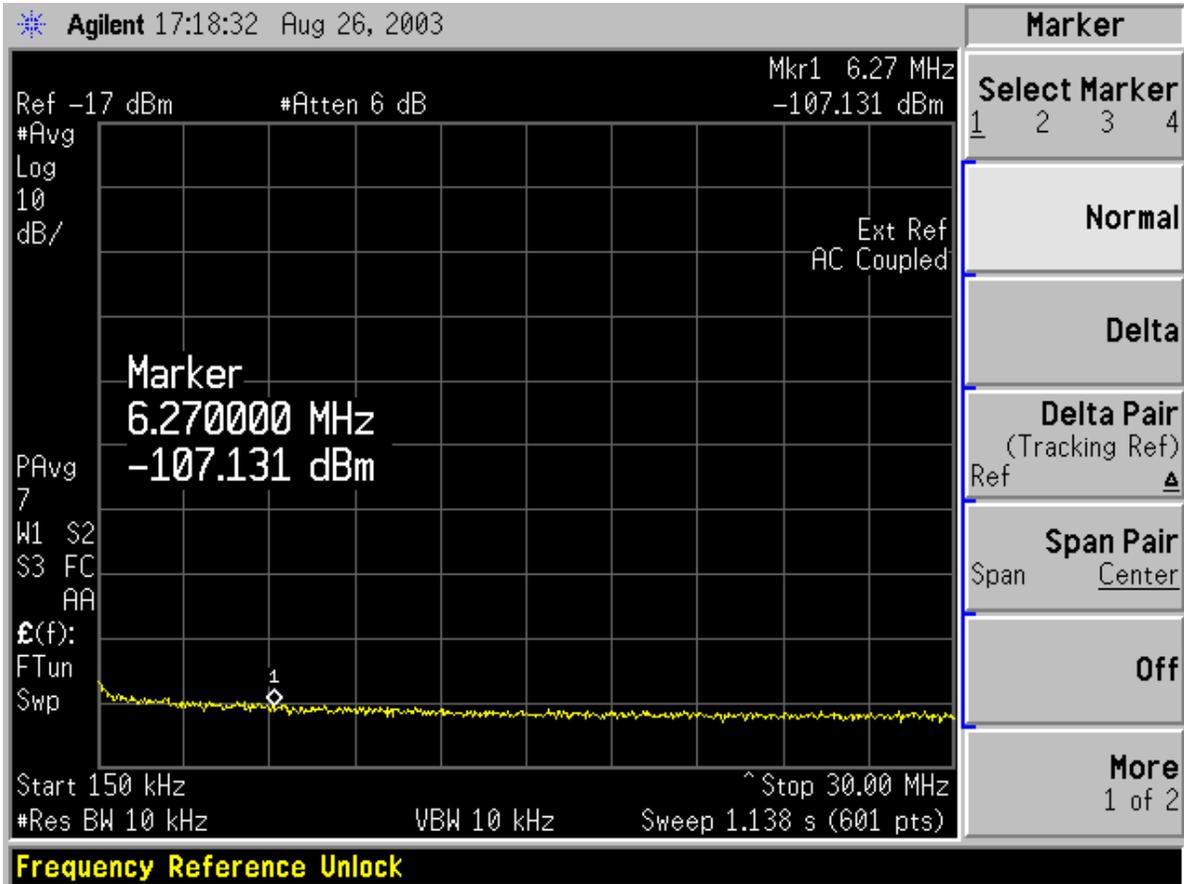


Copyright 2000-2002 Agilent Technologies

Measurement Result Outband Band Edge

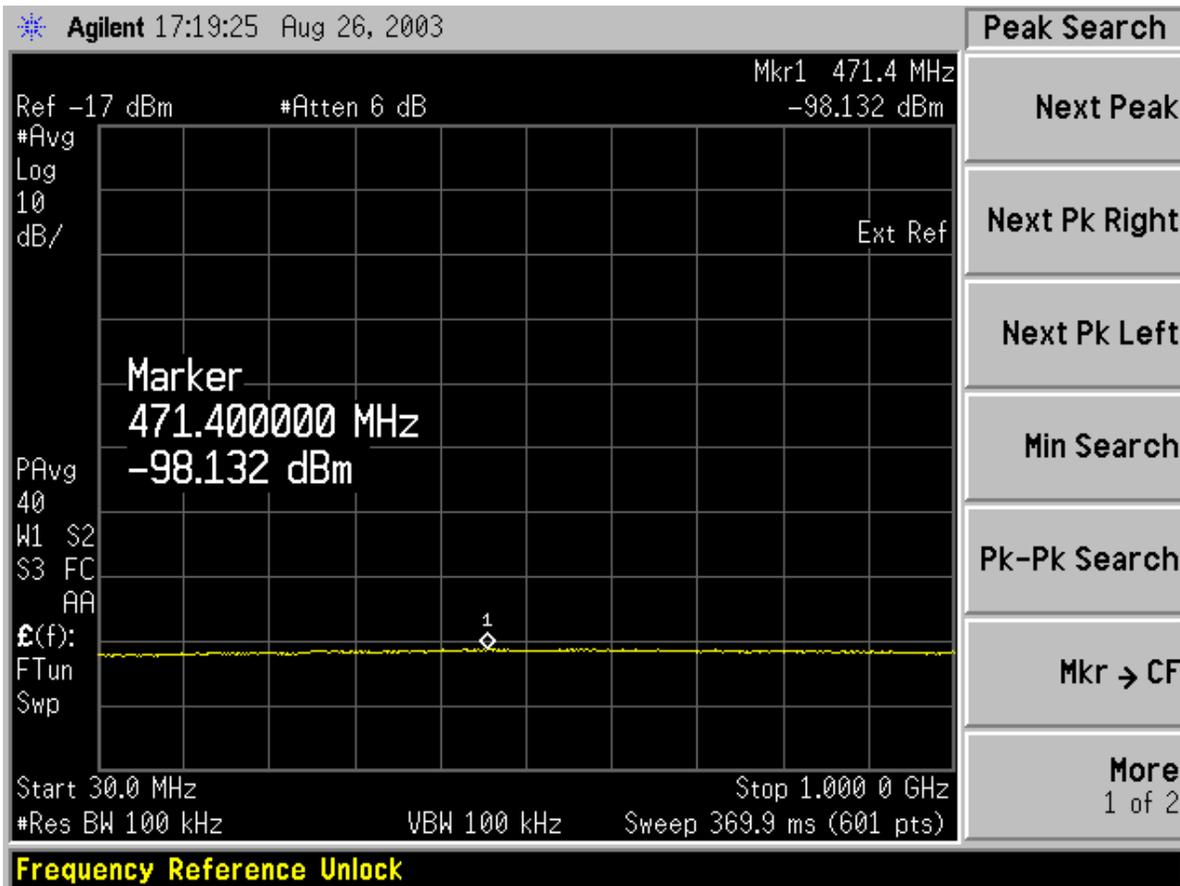
Channel 13





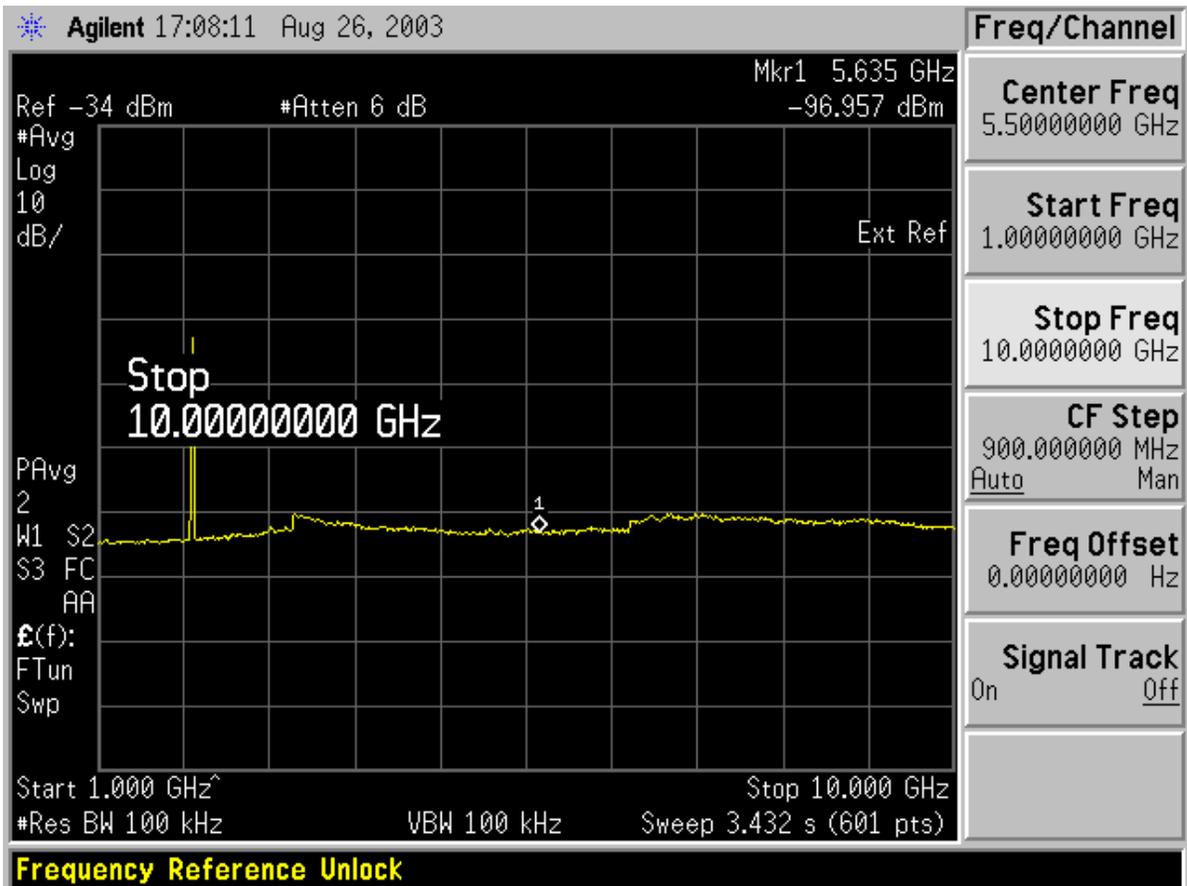
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 10 von 20
Page 10 of 20



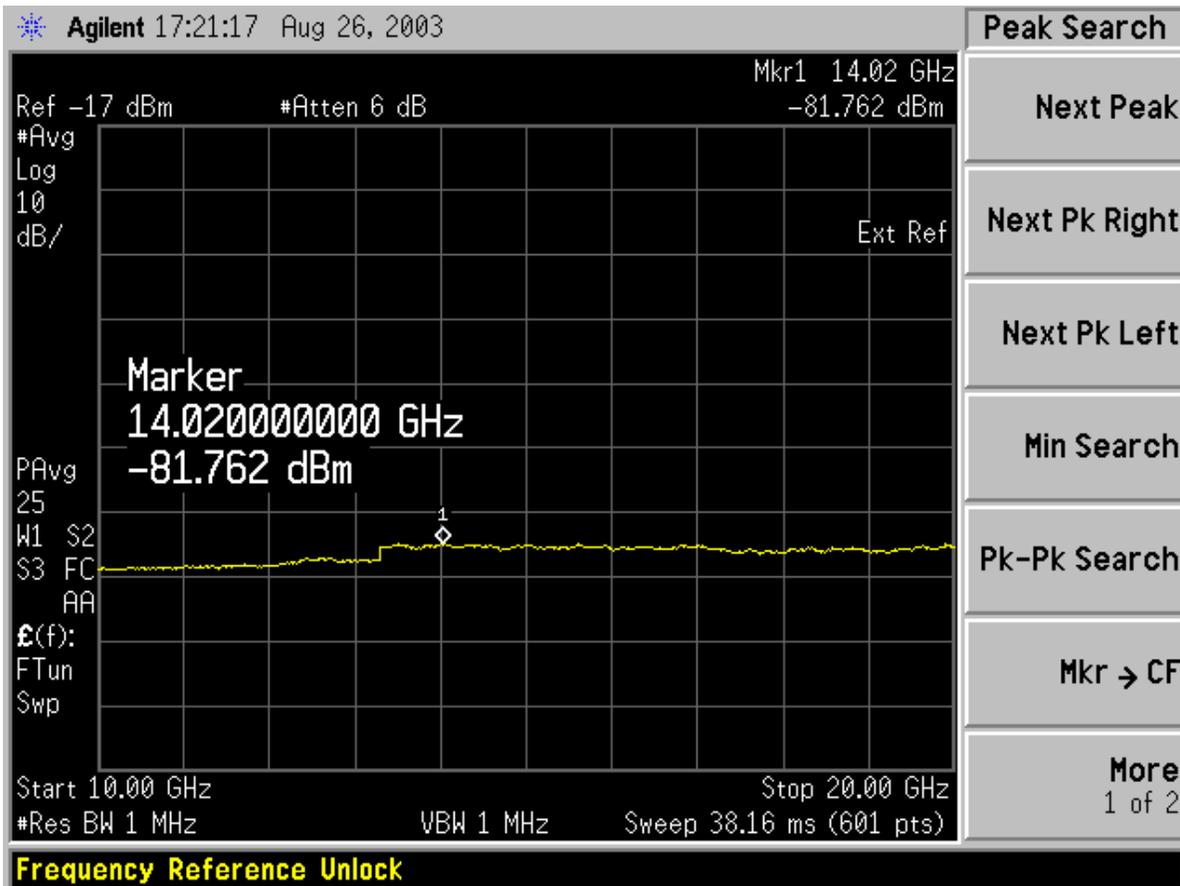
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 11 von 20
Page 11 of 20

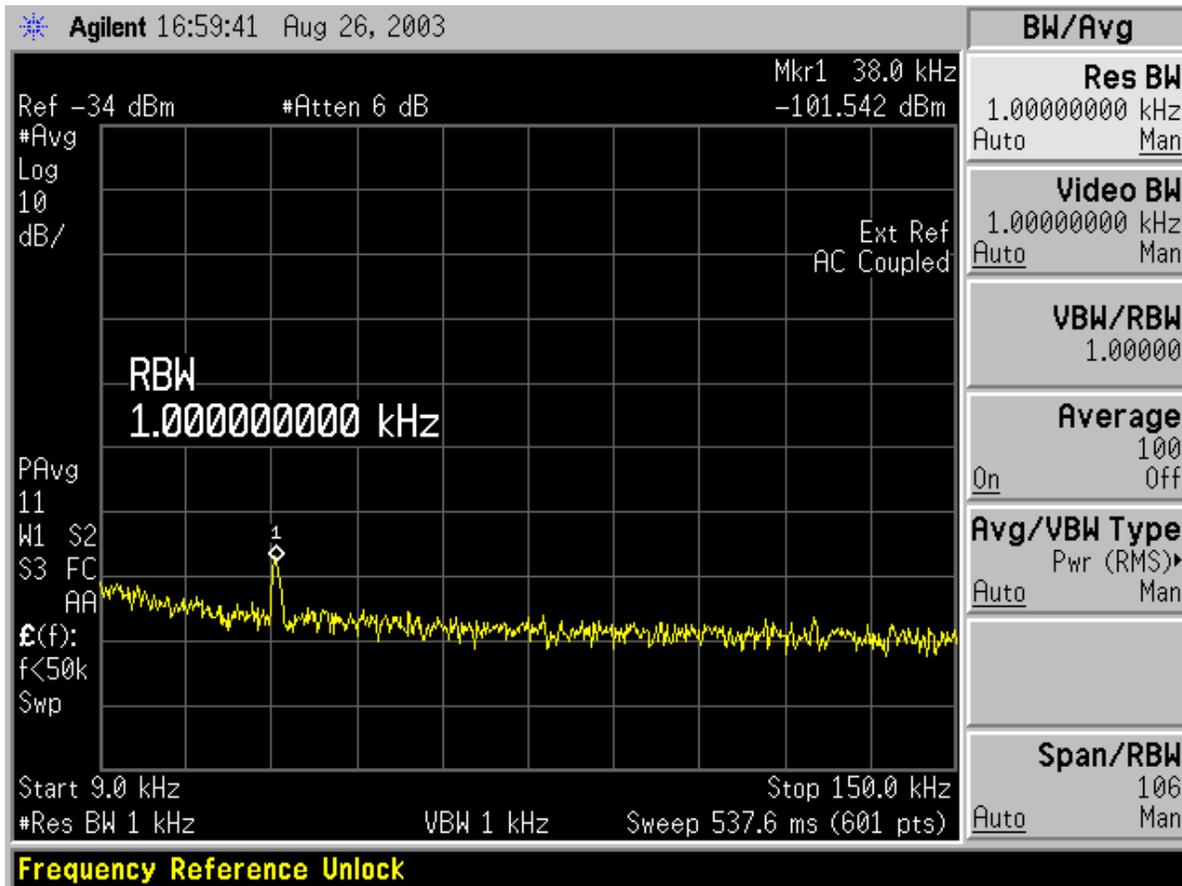


Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 12 von 20
Page 12 of 20

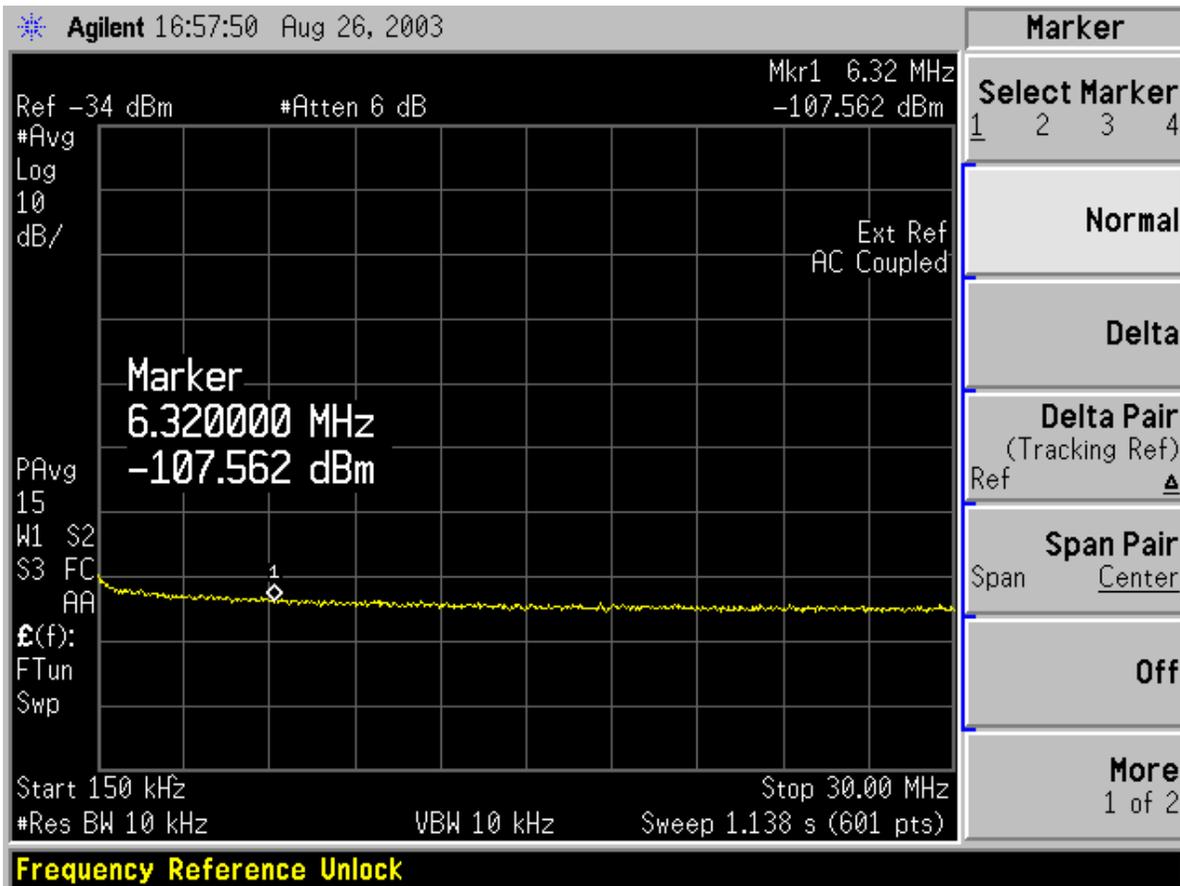


Channel 1187



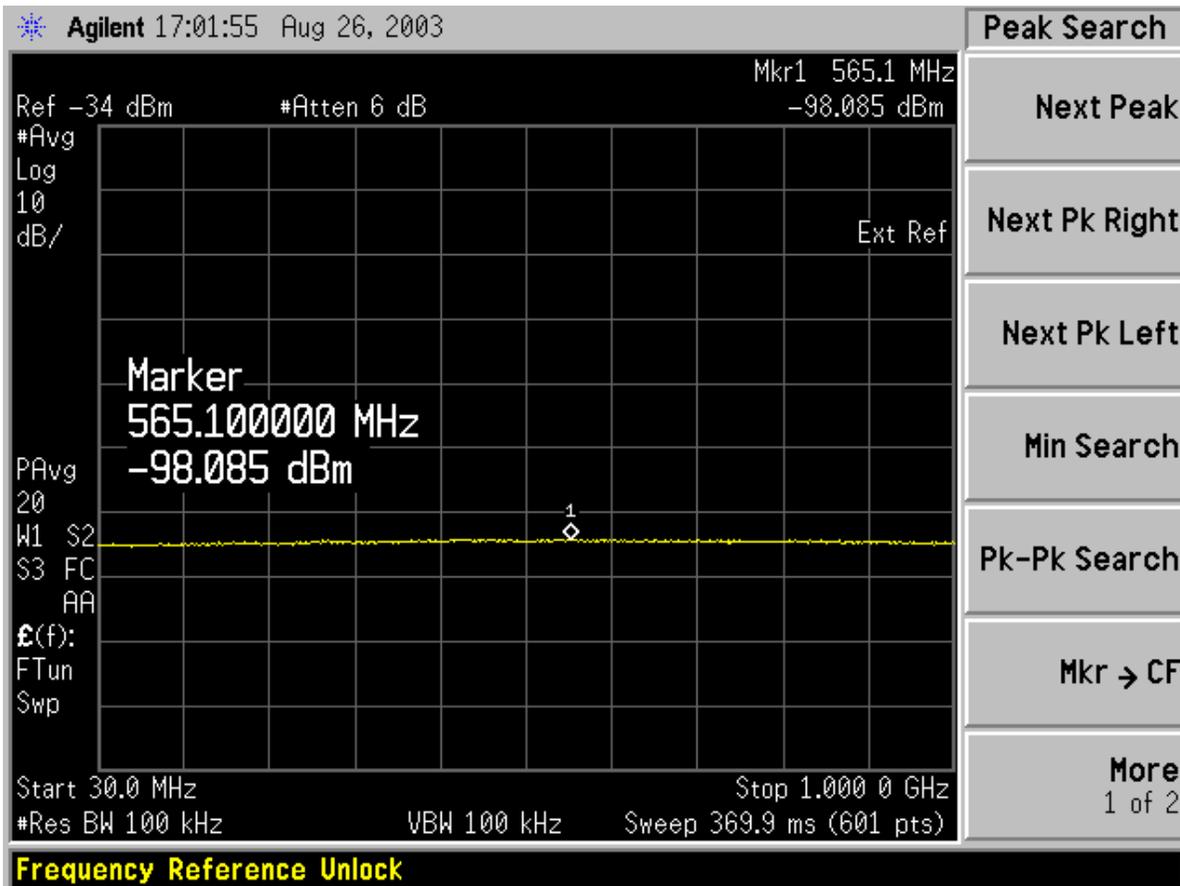
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 14 von 20
Page 14 of 20



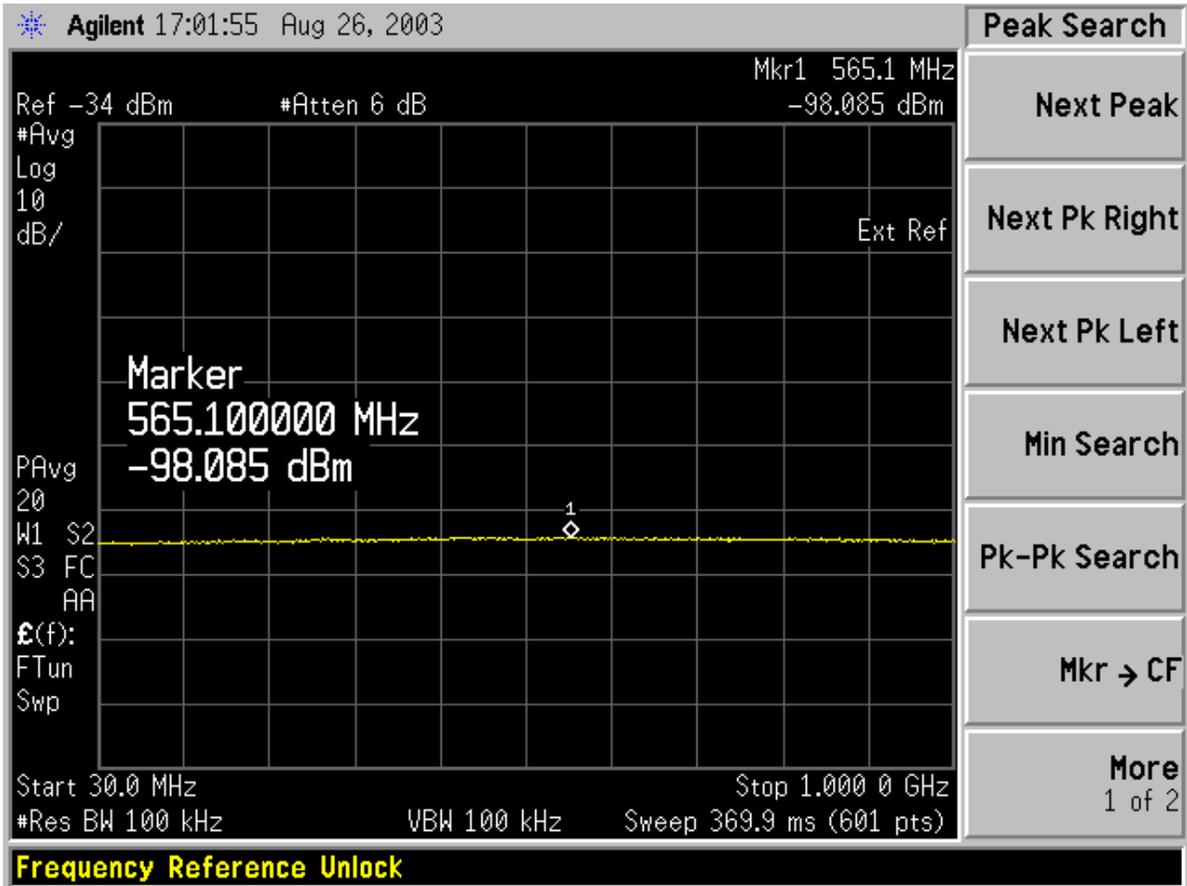
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 15 von 20
Page 15 of 20



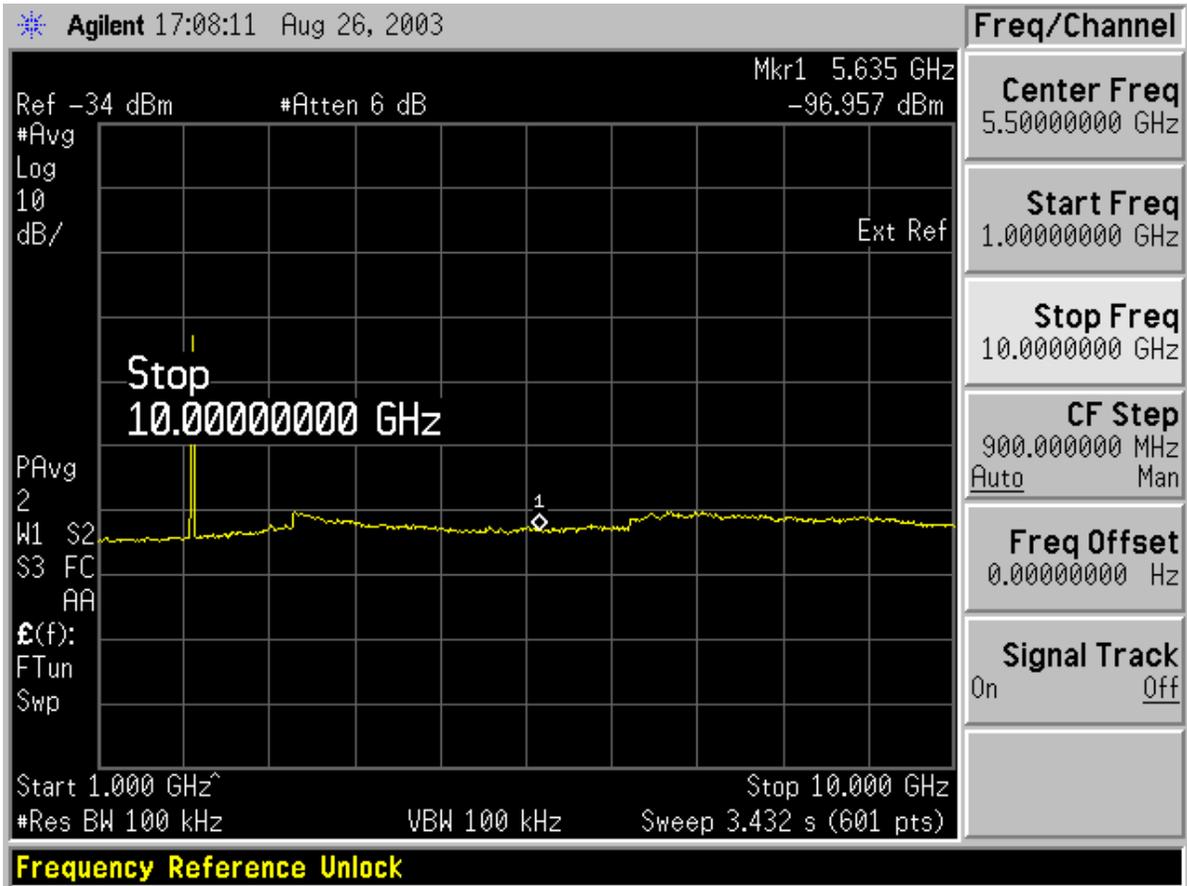
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 16 von 20
Page 16 of 20



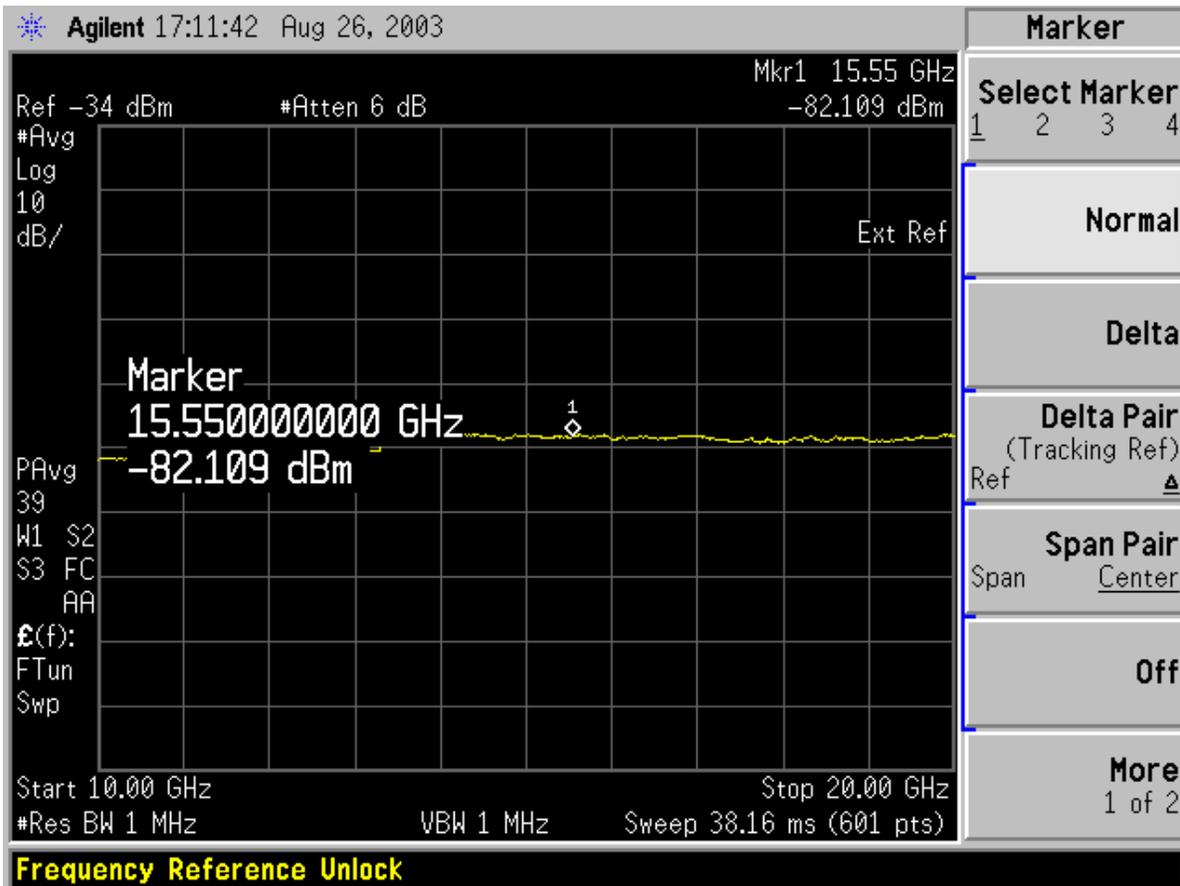
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 17 von 20
Page 17 of 20



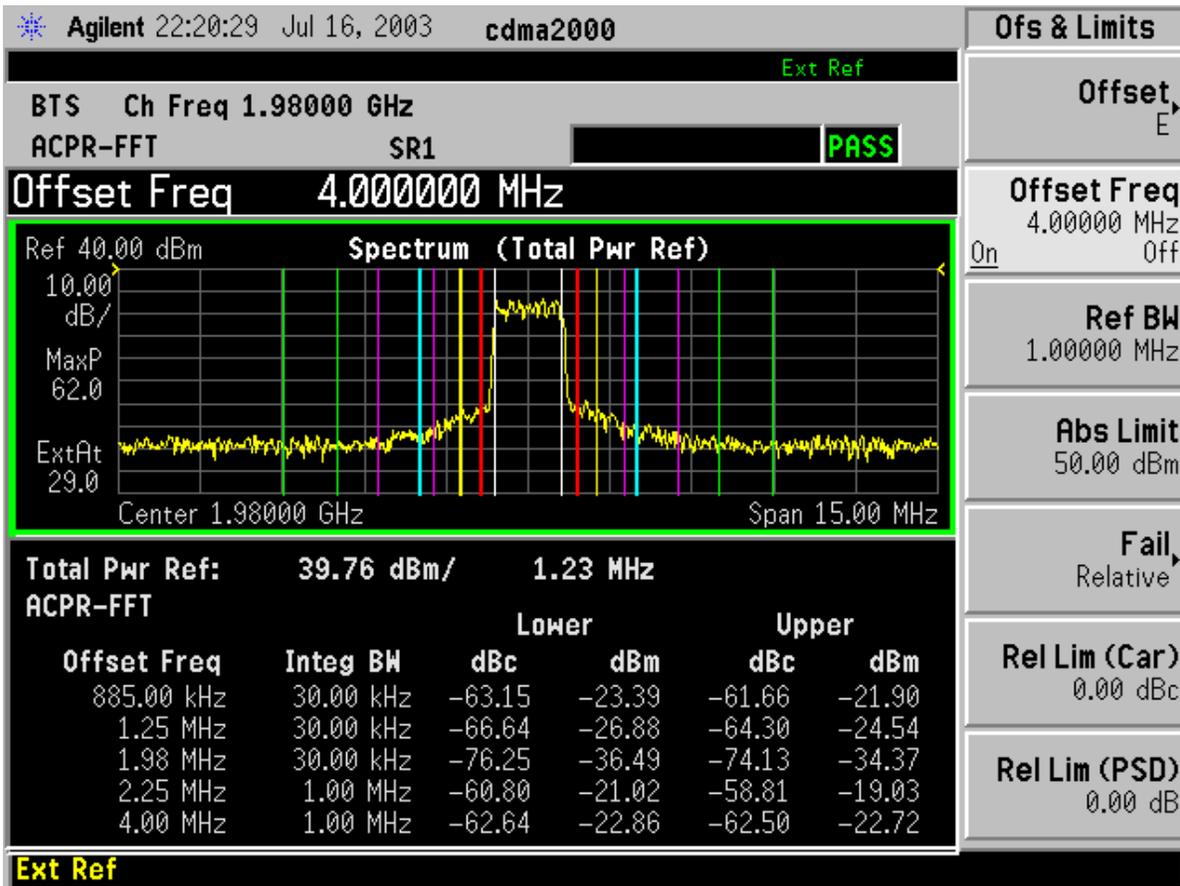
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 18 von 20
Page 18 of 20



ACPR Test according to EIA/TIA 97D-2001

Channel 1000



Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 20 von 20
Page 20 of 20

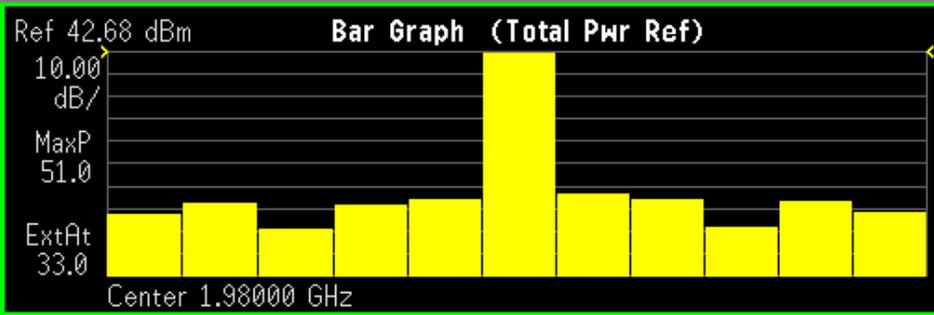
Agilent 21:05:37 Jul 16, 2003 cdma2000
Print Setup

BTS Ch Freq 1.98000 GHz
Ext Ref

ACPR-FFT SR1
PASS

Ref BW 1.000000 MHz

Ref 42.68 dBm Bar Graph (Total Pwr Ref)



Total Pwr Ref: 42.68 dBm/ 1.23 MHz

ACPR-FFT

Offset Freq	Integ BW	Lower		Upper	
		dBc	dBm	dBc	dBm
885.00 kHz	30.00 kHz	-65.19	-22.51	-62.57	-19.89
1.25 MHz	30.00 kHz	-67.86	-25.17	-64.97	-22.28
1.98 MHz	30.00 kHz	-78.01	-35.33	-77.51	-34.83
2.77 MHz	1.00 MHz	-66.72	-24.06	-66.02	-23.36
4.00 MHz	1.00 MHz	-71.91	-29.26	-71.21	-28.55

Printer not responding

Printer Setup

Print Demod
Screen Report

Printer Setup

Orientation
Portrait

Page Size
Letter

Color
On Off

More
1 of 2

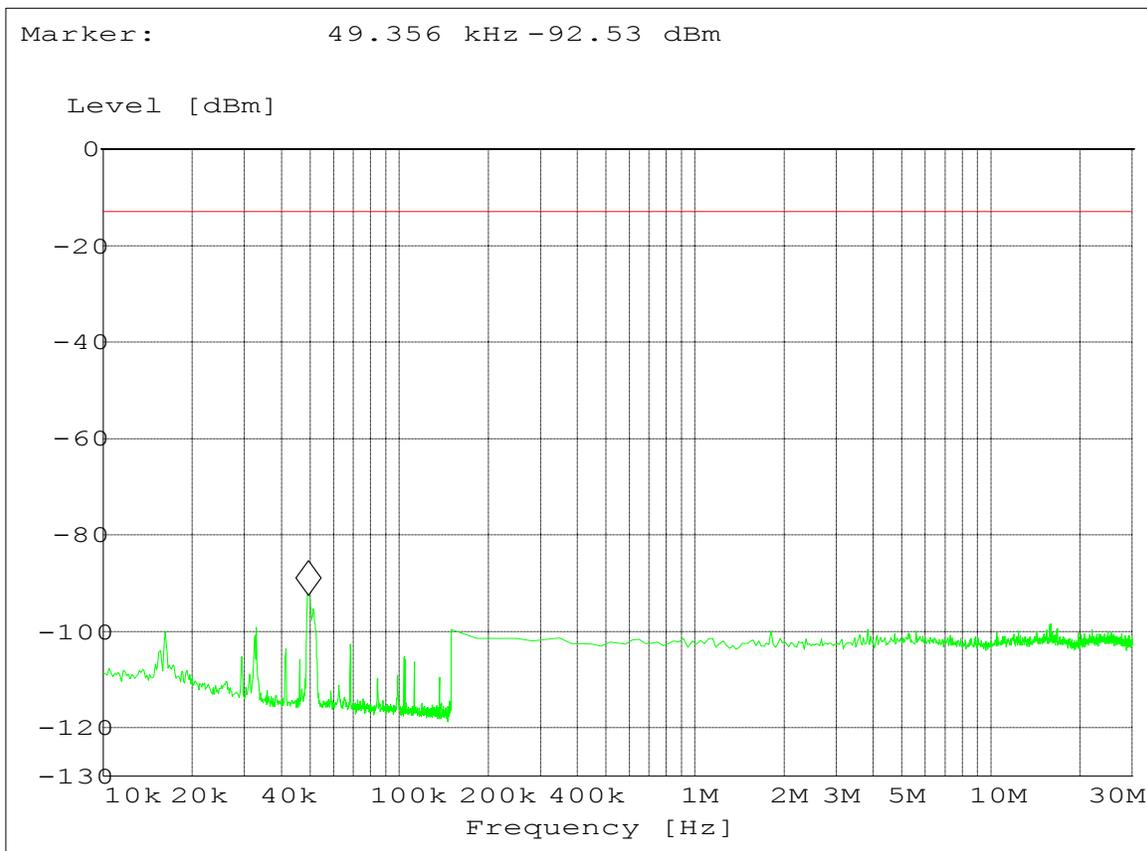
Prüfbericht - Nr.: 17001675 001
Test Report No.

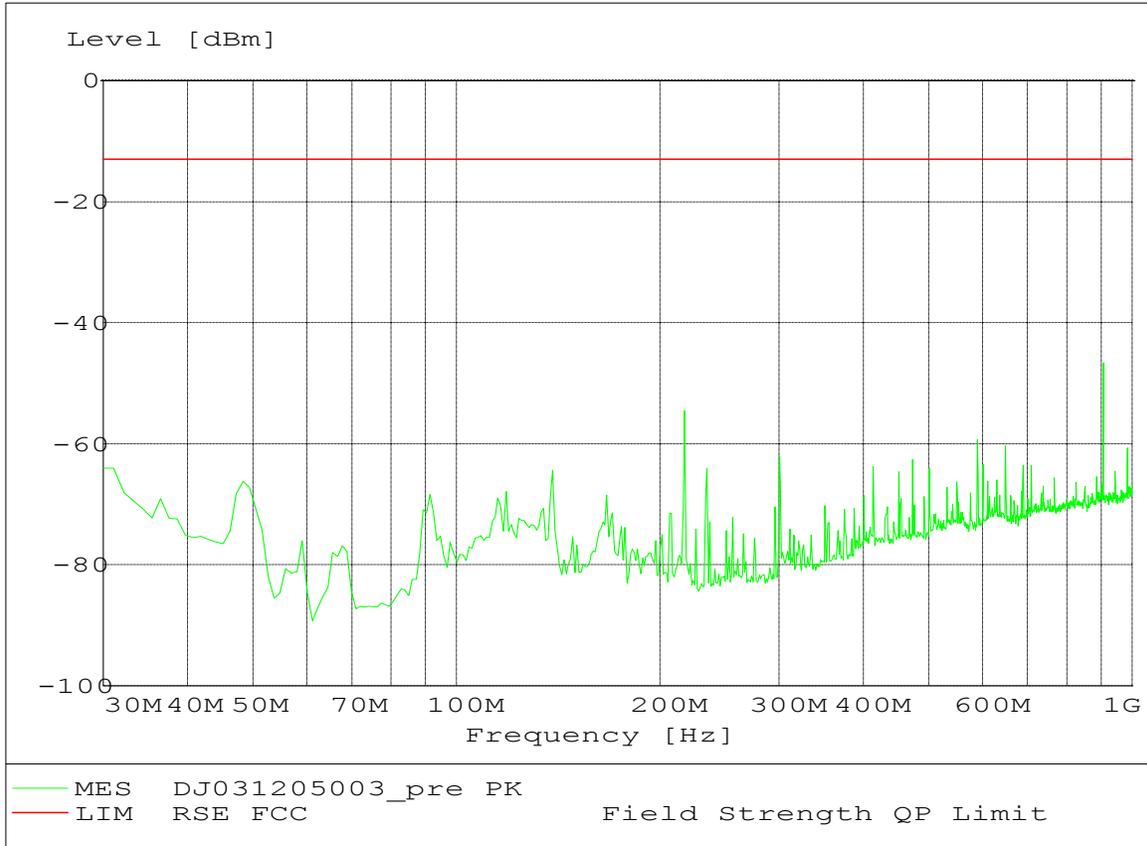
Seite 1 von 6
Page 1 of 6

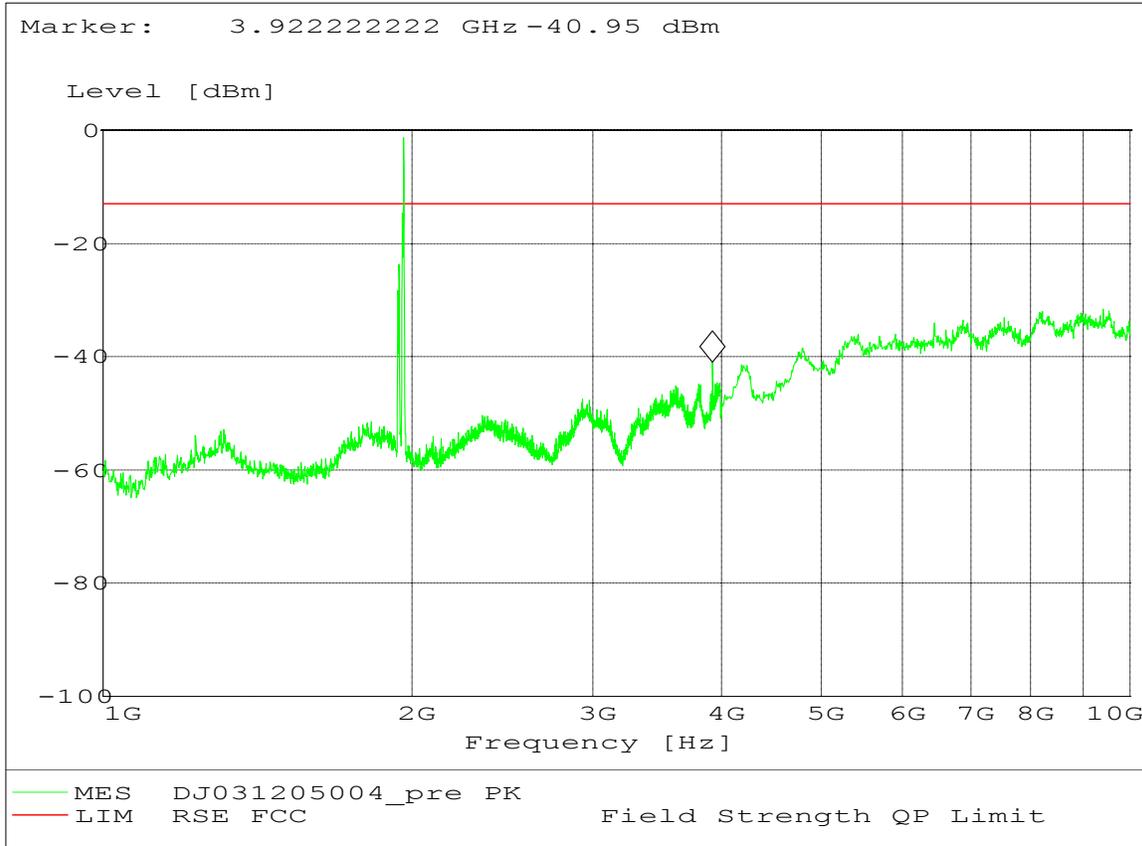
Appendix E
Field Strength of Spurious Radiation
Measurements
According to CFR 47 (FCC) part 2.1053

The Result of Spurious Radiation Test

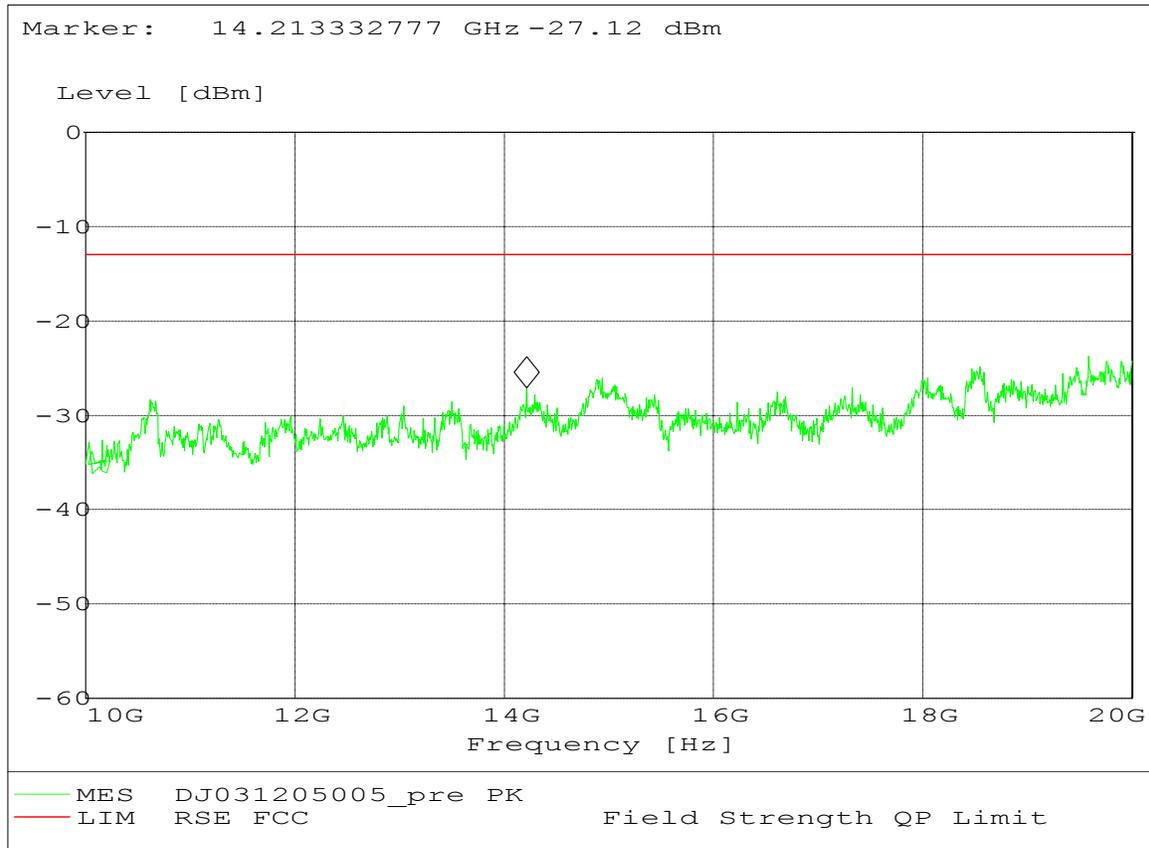
12 carriers have been work normally. BTS work at frequency No.200(1940MHz), No.300(1945MHz), No.800(1970MHz), No.900(1975MHz), No.1000(1980MHz), No.1100(1985MHz), and every two transceiver have been set to same frequency.



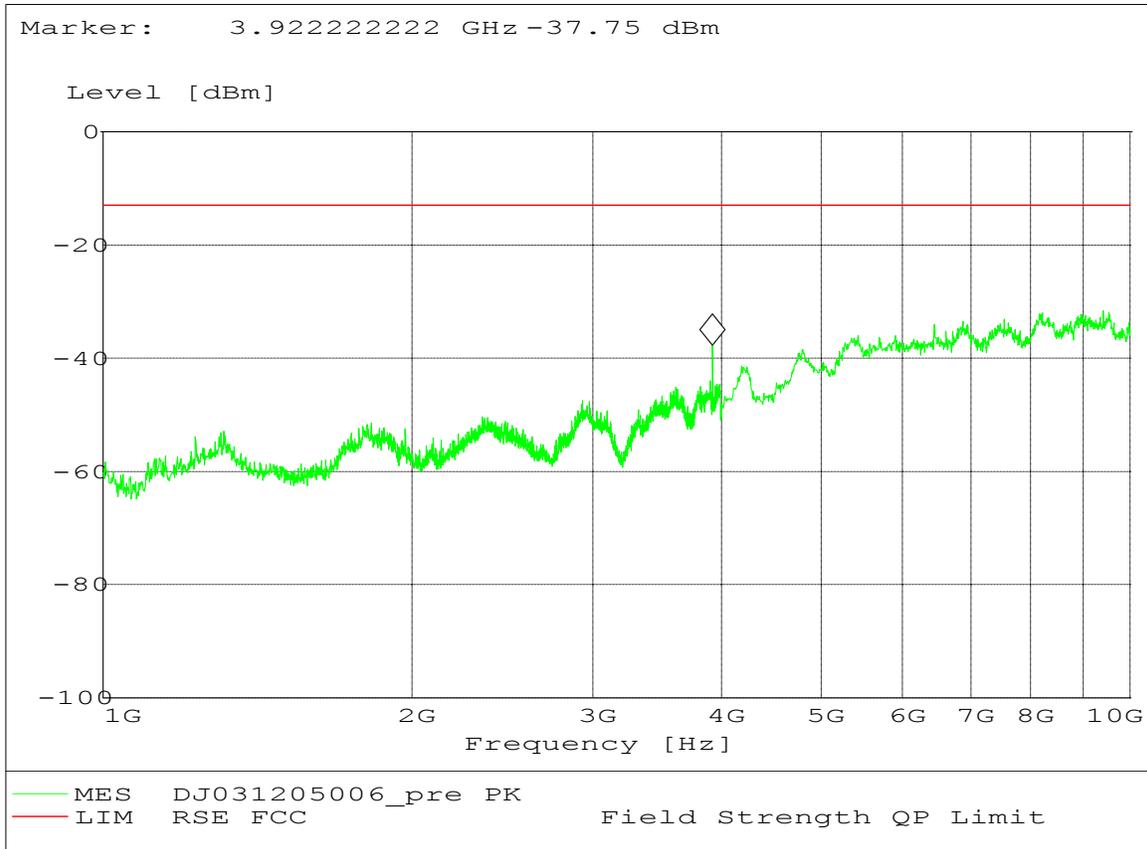




The point which exceeds the limit line is the carrier frequency.



The Result of Substitute Test



Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 1 von 31
Page 1 of 31

Appendix F

Frequency Stability Measurements

According to CFR 47 (FCC) part 2.1055

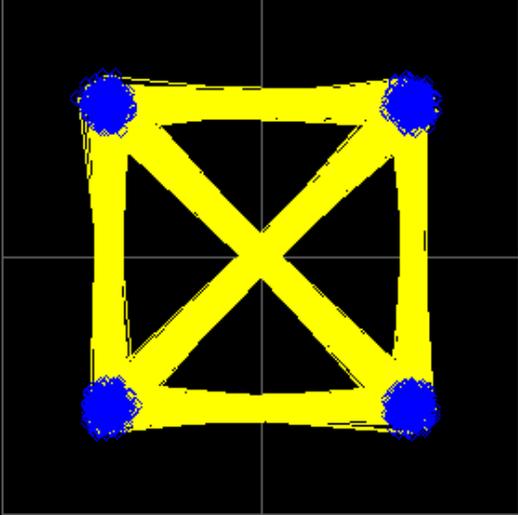
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 2 von 31
Page 2 of 31

Frequency Stability versus Voltage

TRX1: Channel No. 25(1931.25MHz)

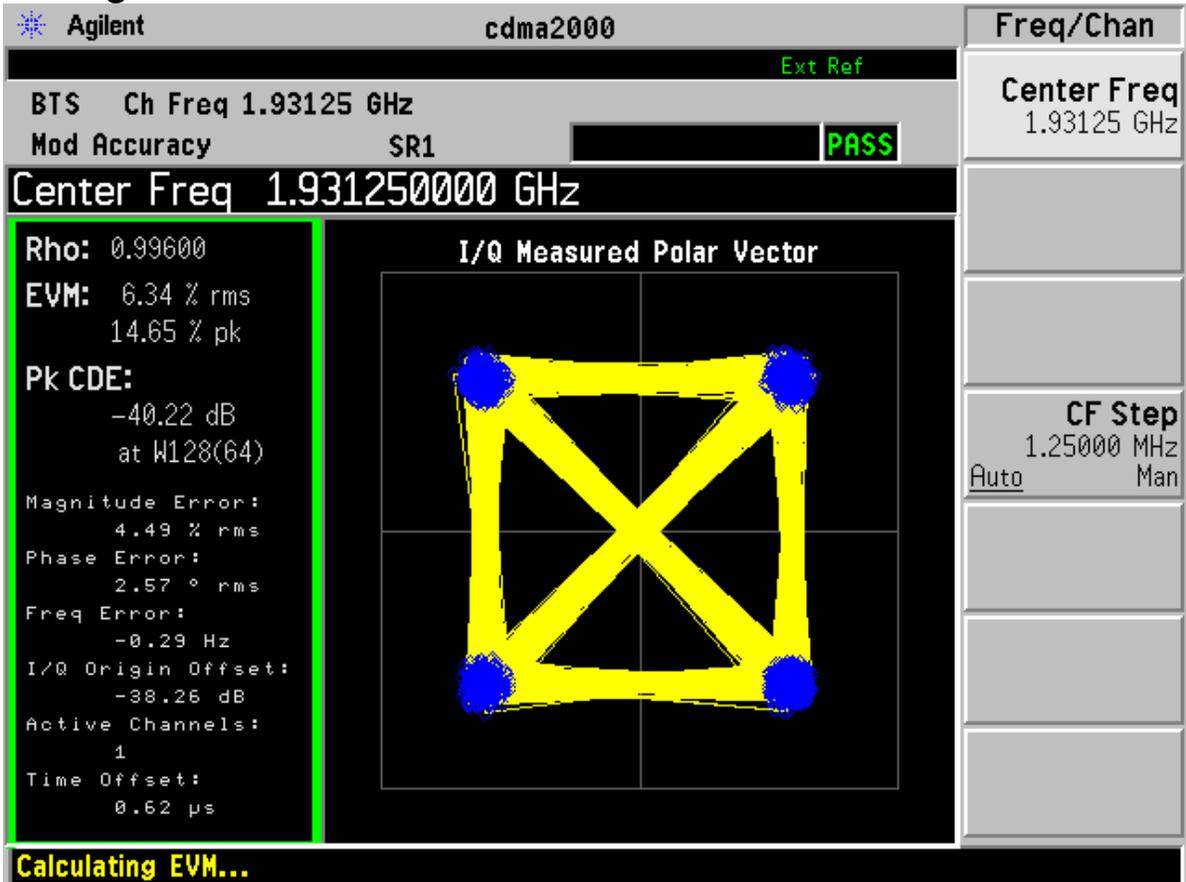
Voltage= 170V

Agilent		cdma2000	Measure
Ext Ref			Code Domain
BTS	Ch Freq 1.93125 GHz	Averages: 4	Mod Accuracy (Composite Rho)
Mod Accuracy	SR1	PASS	QPSK EVM
Rho: 0.99576	I/Q Measured Polar Vector 		Power Stat CCDF
EVM: 6.52 % rms 16.51 % pk			Spectrum (Freq Domain)
Pk CDE: -32.48 dB at W128(0)			Waveform (Time Domain)
Magnitude Error: 4.54 % rms			More 2 of 2
Phase Error: 2.68 ° rms			
Freq Error: 7.91 Hz			
I/Q Origin Offset: -48.75 dB			
Active Channels: 1			
Time Offset: 0.68 µs			
Calculating EVM...			

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 3 von 31
Page 3 of 31

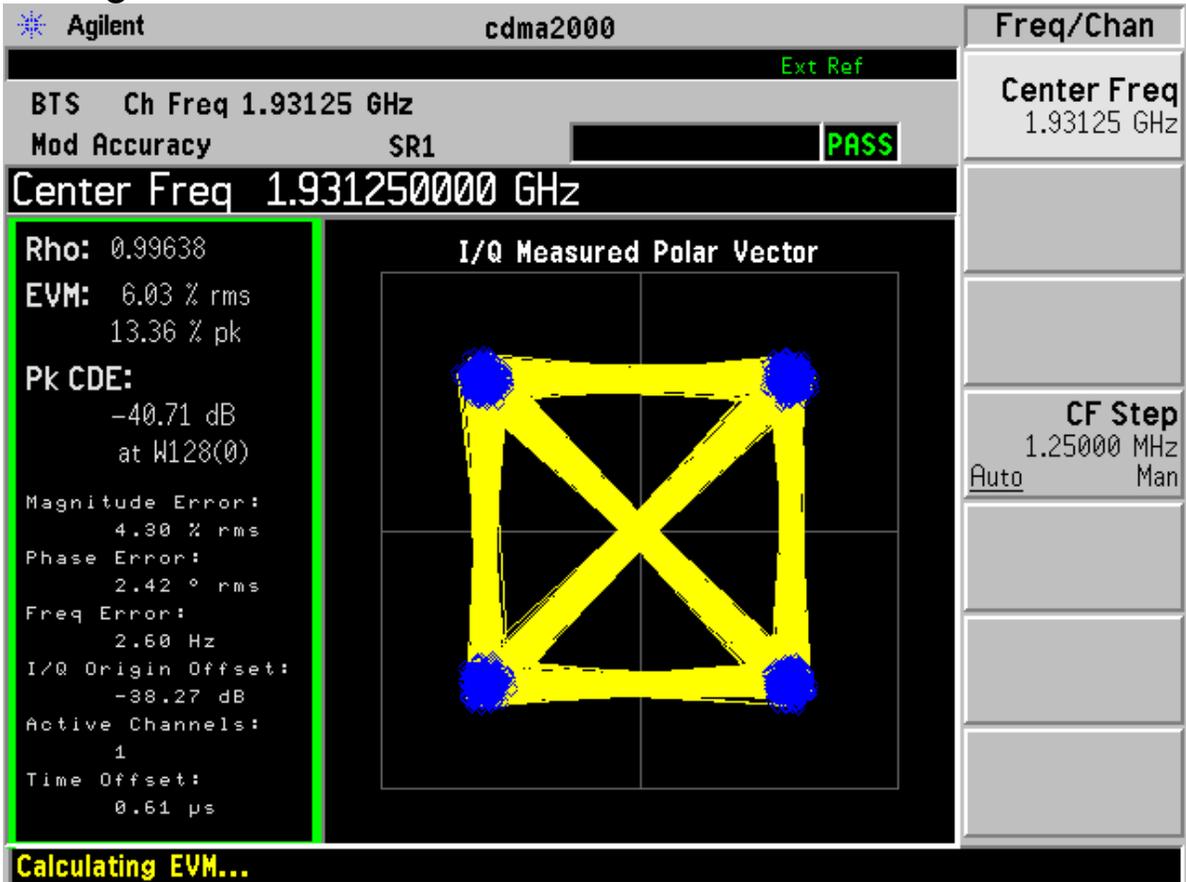
Voltage= 200V



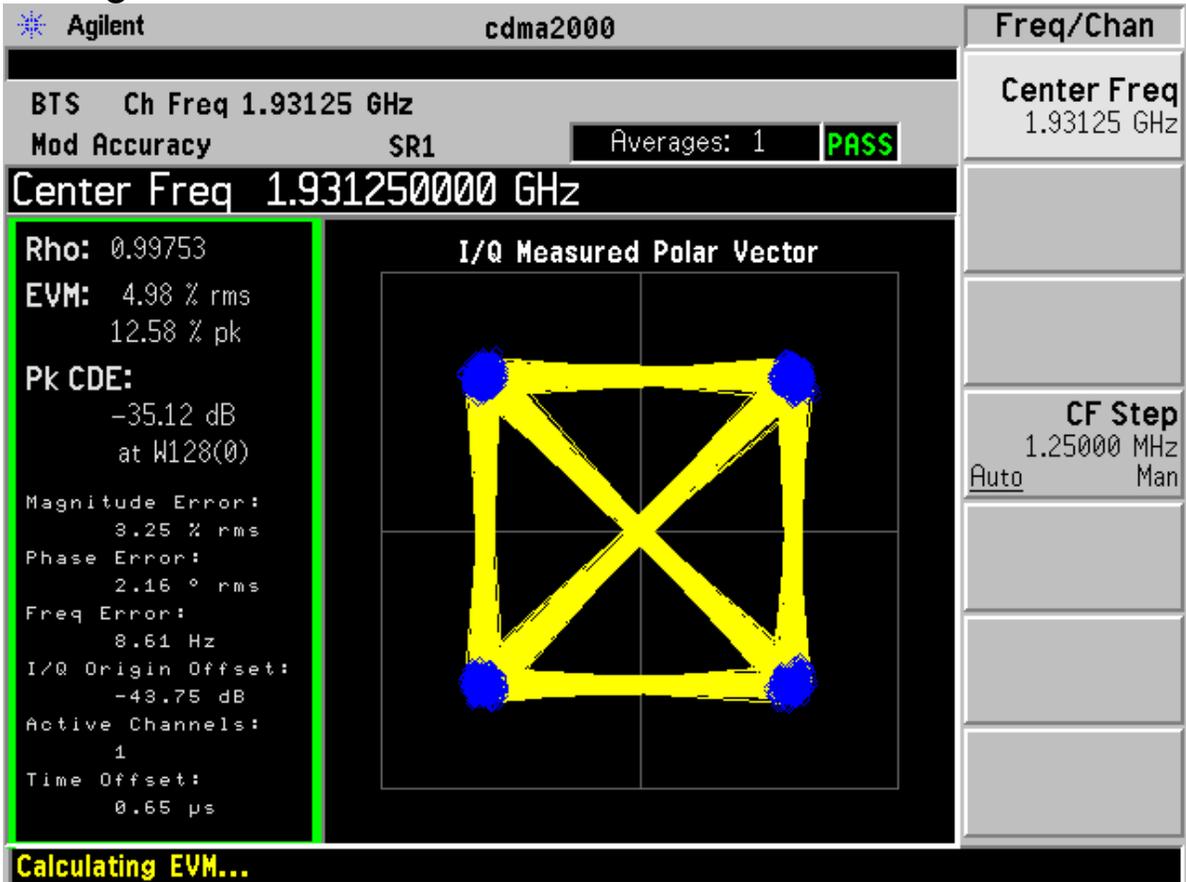
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 4 von 31
Page 4 of 31

Voltage= 230V



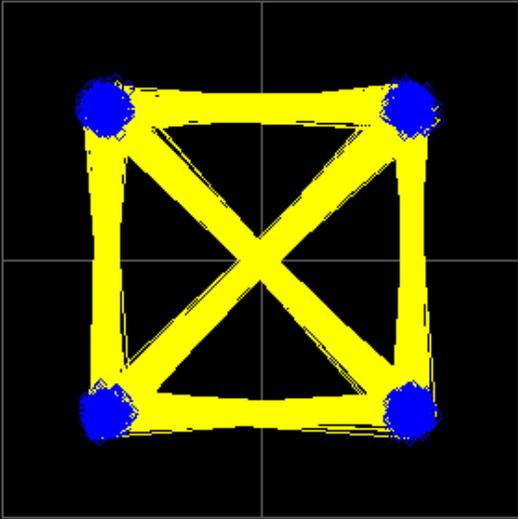
Voltage= 204V



Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 6 von 31
Page 6 of 31

Voltage= 240V

Agilent		cdma2000	Measure
		Ext Ref	Channel Power
BTS	Ch Freq 1.93125 GHz		ACPR
Mod Accuracy	SR1	PASS	Intermod
Rho: 0.99621	I/Q Measured Polar Vector 		Spectrum Emission Mask
EVM: 6.17 % rms 14.47 % pk			Occupied BW
Pk CDE: -38.56 dB at W128(0)			More 1 of 2
Magnitude Error: 4.32 % rms			
Phase Error: 2.53 ° rms			
Freq Error: 4.07 Hz			
I/Q Origin Offset: -37.93 dB			
Active Channels: 1			
Time Offset: 0.69 µs			
Calculating EVM...			

Prüfbericht - Nr.: 17001675 001
Test Report No.

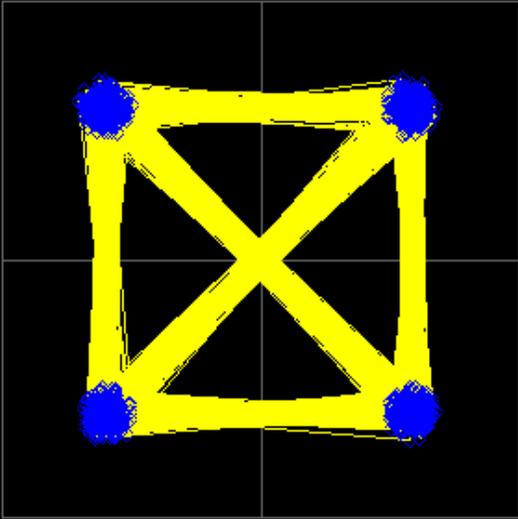
Seite 7 von 31
Page 7 of 31

Voltage= 276V

* Agilent		cdma2000	Measure
		Ext Ref	
BTS Ch Freq 1.93125 GHz			Channel Power
Mod Accuracy SR1		PASS	
			ACPR
			Intermod
			Spectrum Emission Mask
			Occupied BW
			More 1 of 2

Rho: 0.99614
EVM: 6.23 % rms
13.80 % pk
Pk CDE:
-36.56 dB
at W128(0)
Magnitude Error:
4.36 % rms
Phase Error:
2.55 ° rms
Freq Error:
3.51 Hz
I/Q Origin Offset:
-38.47 dB
Active Channels:
1
Time Offset:
0.63 µs

I/Q Measured Polar Vector



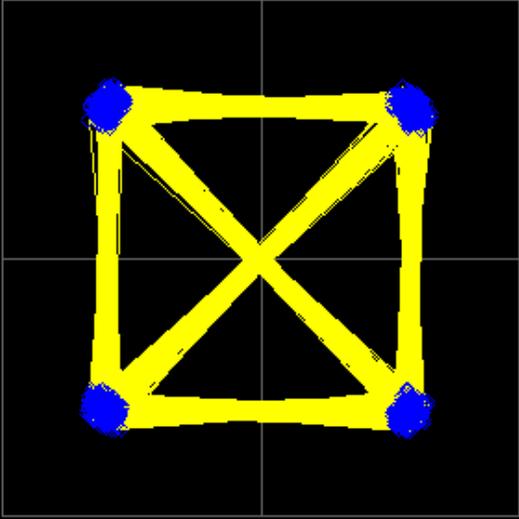
Calculating EVM...

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 8 von 31
Page 8 of 31

TRX2: Channel No. 1175(1988.75MHz)

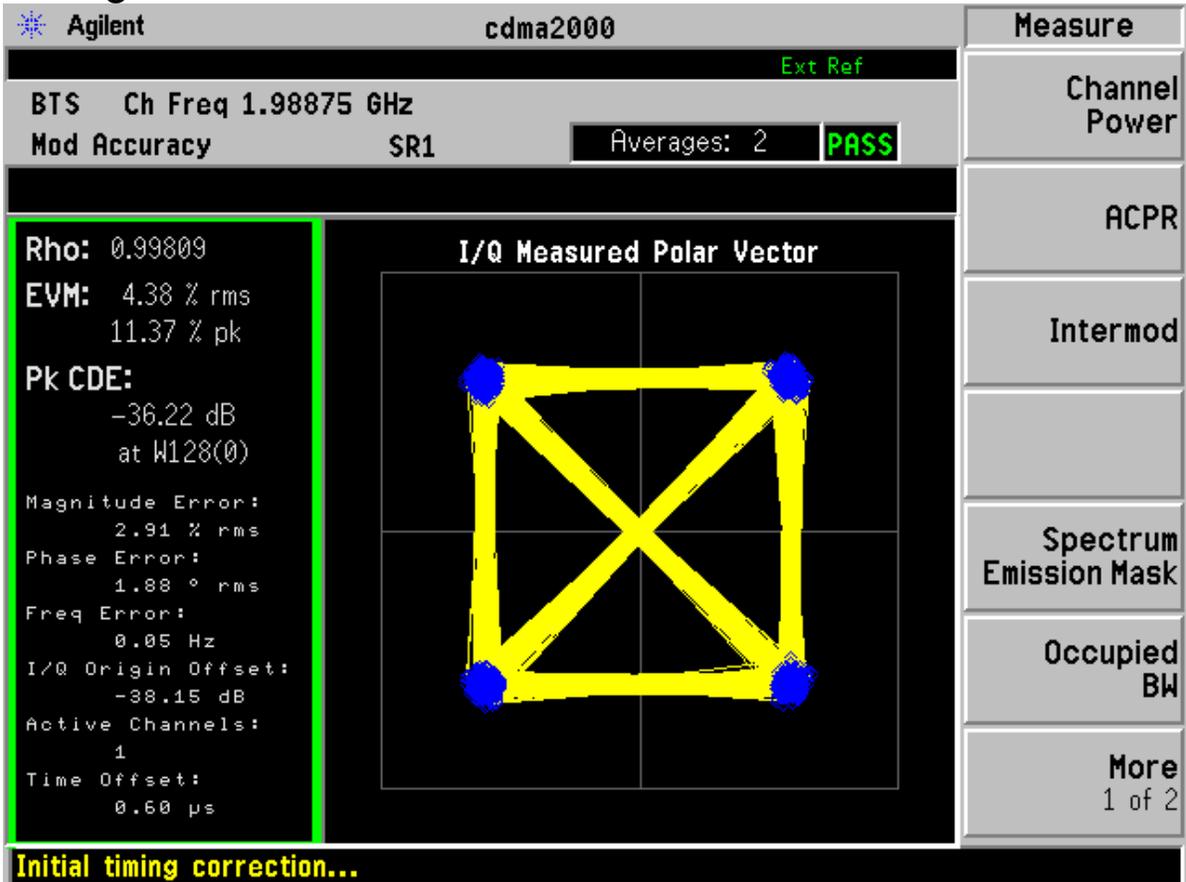
Voltage= 170V

Agilent cdma2000		File
Ext Ref		
BTS Ch Freq 1.98875 GHz		Catalog
Mod Accuracy SR1	Averages: 10	Save
	PASS	Load
Rho: 0.99778	I/Q Measured Polar Vector 	Delete
EVM: 4.70 % rms		Copy
14.64 % pk		Rename
Pk CDE:		More
-30.27 dB		1 of 2
at W128(0)		
Magnitude Error:		
2.93 % rms		
Phase Error:		
2.10 ° rms		
Freq Error:		
-1.58 Hz		
I/Q Origin Offset:		
-38.09 dB		
Active Channels:		
1		
Time Offset:		
0.66 µs		
File Operation Status, A:\SCREEN192.GIF file deleted		

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 9 von 31
Page 9 of 31

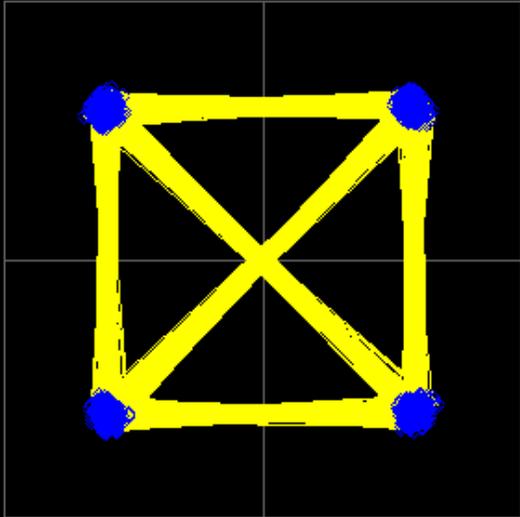
Voltage= 200V



Prüfbericht - Nr.: 17001675 001
Test Report No.

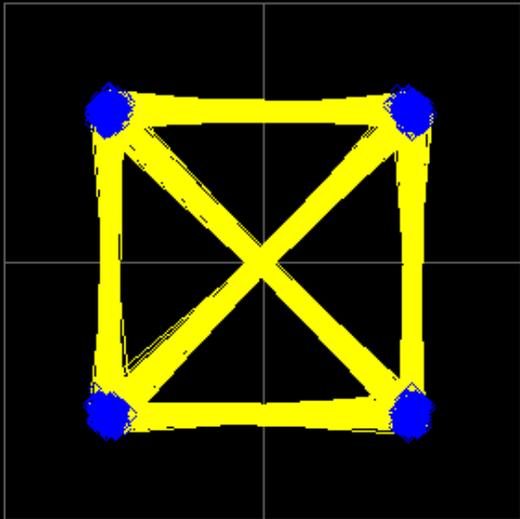
Seite 10 von 31
Page 10 of 31

Voltage= 230V

* Agilent		cdma2000	Meas Setup
		Ext Ref	Avg Number
BTS	Ch Freq	1.98875 GHz	10
Mod Accuracy	SR1	PASS	On Off
Avg Number 10			Avg Mode
Rho: 0.99791			Exp Repeat
EVM: 4.58 % rms 12.14 % pk			Limits
Pk CDE: -35.39 dB at W128(0)			Trig Source Ext Rear
Magnitude Error: 2.90 % rms			More 1 of 2
Phase Error: 2.03 ° rms			
Freq Error: -0.97 Hz			
I/Q Origin Offset: -38.05 dB			
Active Channels: 1			
Time Offset: 0.60 µs			
Calculating EVM...			

Voltage= 204V

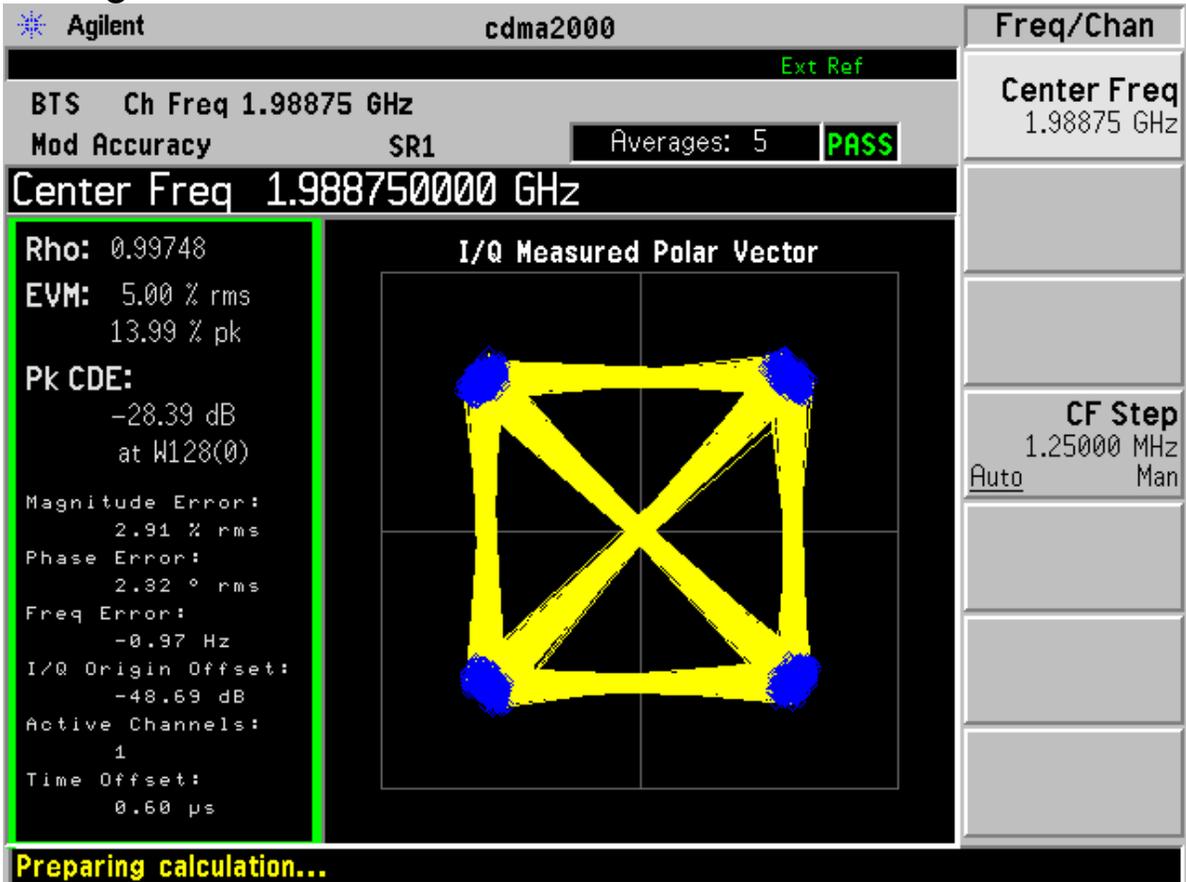
Agilent		cdma2000	Measure
		Ext Ref	
BTS	Ch Freq	1.98875 GHz	Channel Power
Mod Accuracy	SR1		PASS
Center Freq		1.988750000 GHz	ACPR
Rho:	0.99790		Intermod
EVM:	4.59 % rms 11.76 % pk		
Pk CDE:	-36.95 dB at W128(0)		
Magnitude Error:	3.02 % rms		Spectrum Emission Mask
Phase Error:	1.98 ° rms		Occupied BW
Freq Error:	2.40 Hz		More
I/Q Origin Offset:	-38.23 dB		1 of 2
Active Channels:	1		
Time Offset:	0.67 µs		
Calculating EVM...			



Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 12 von 31
Page 12 of 31

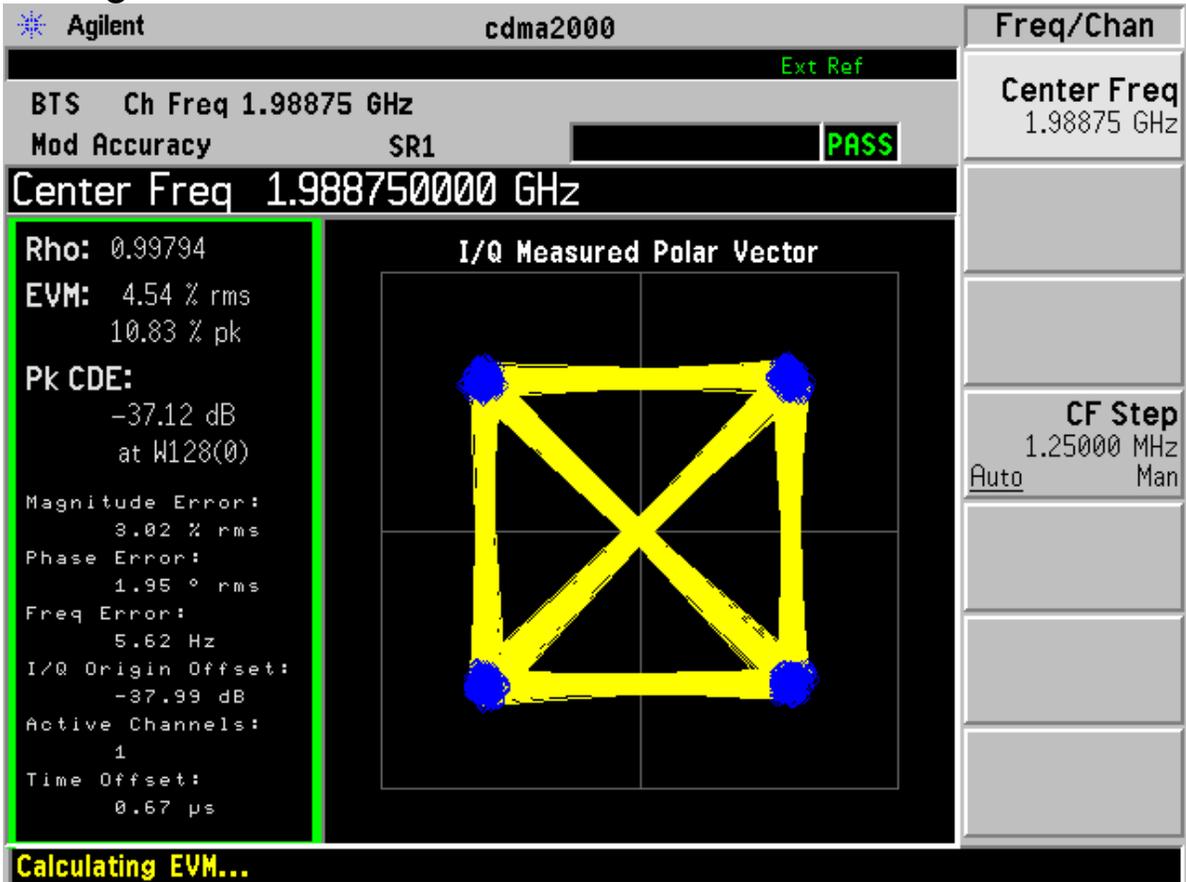
Voltage= 240V



Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 13 von 31
Page 13 of 31

Voltage= 276V



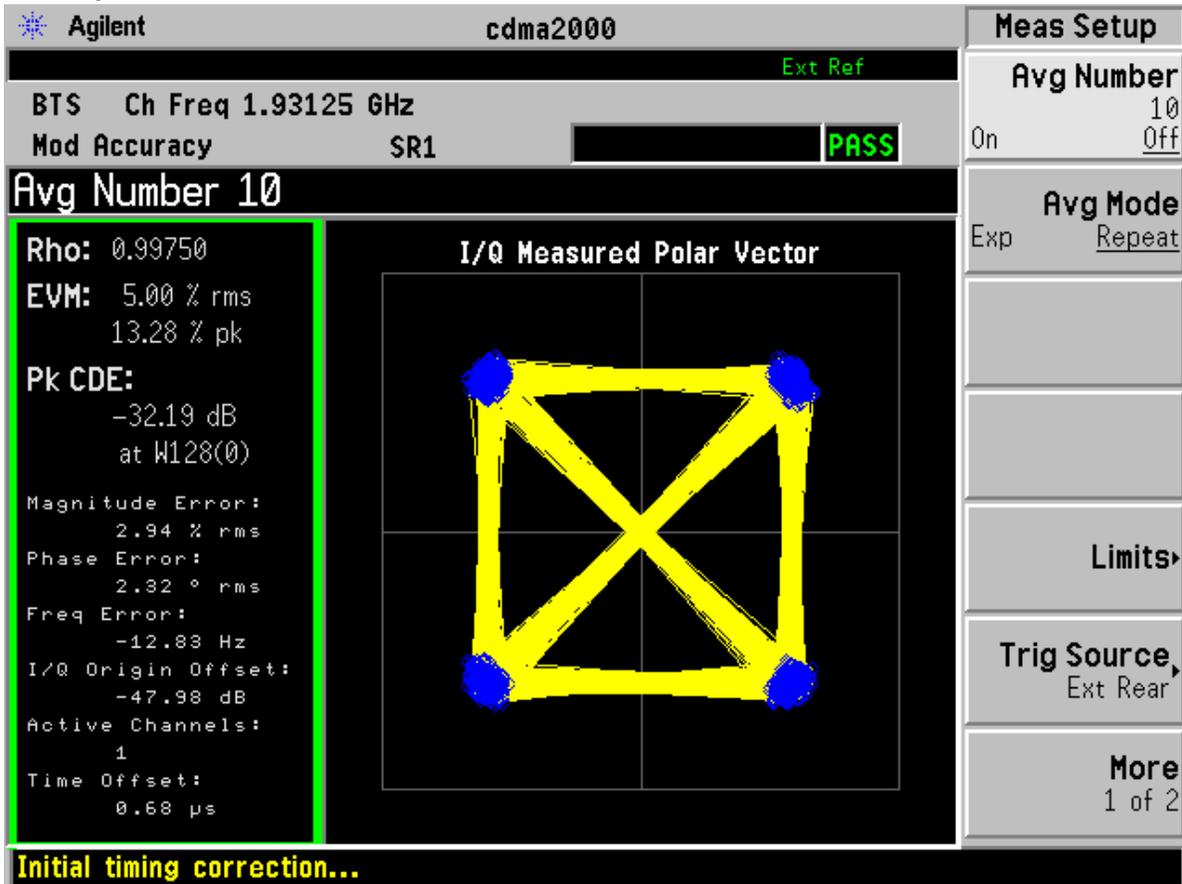
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 14 von 31
Page 14 of 31

Frequency Stability versus Temperature

TRX1: Channel No. 25(1931.25MHz)

Temperature = - 30°C



The screenshot displays the Agilent test results for a cdma2000 channel. The main display area is divided into a left sidebar with key performance indicators (KPIs) and a central plot titled "I/Q Measured Polar Vector".

Test Parameters:
BTS Ch Freq 1.93125 GHz
Mod Accuracy SR1 **PASS**

Avg Number 10

Meas Setup:
Avg Number: 10
Avg Mode: Repeat

Key Performance Indicators (KPIs):
Rho: 0.99750
EVM: 5.00 % rms
13.28 % pk
Pk CDE: -32.19 dB at W128(0)
Magnitude Error: 2.94 % rms
Phase Error: 2.32 ° rms
Freq Error: -12.83 Hz
I/Q Origin Offset: -47.98 dB
Active Channels: 1
Time Offset: 0.68 µs

I/Q Measured Polar Vector: A plot showing a square constellation with four blue dots at the corners and a yellow square outline connecting them. The plot is centered on a grid.

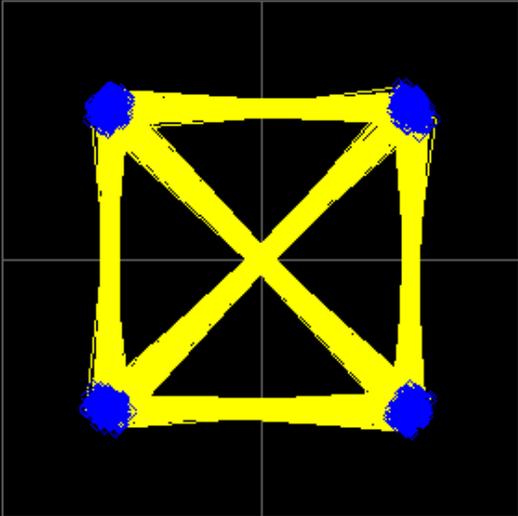
Initial timing correction...

Limits: A button to view measurement limits.

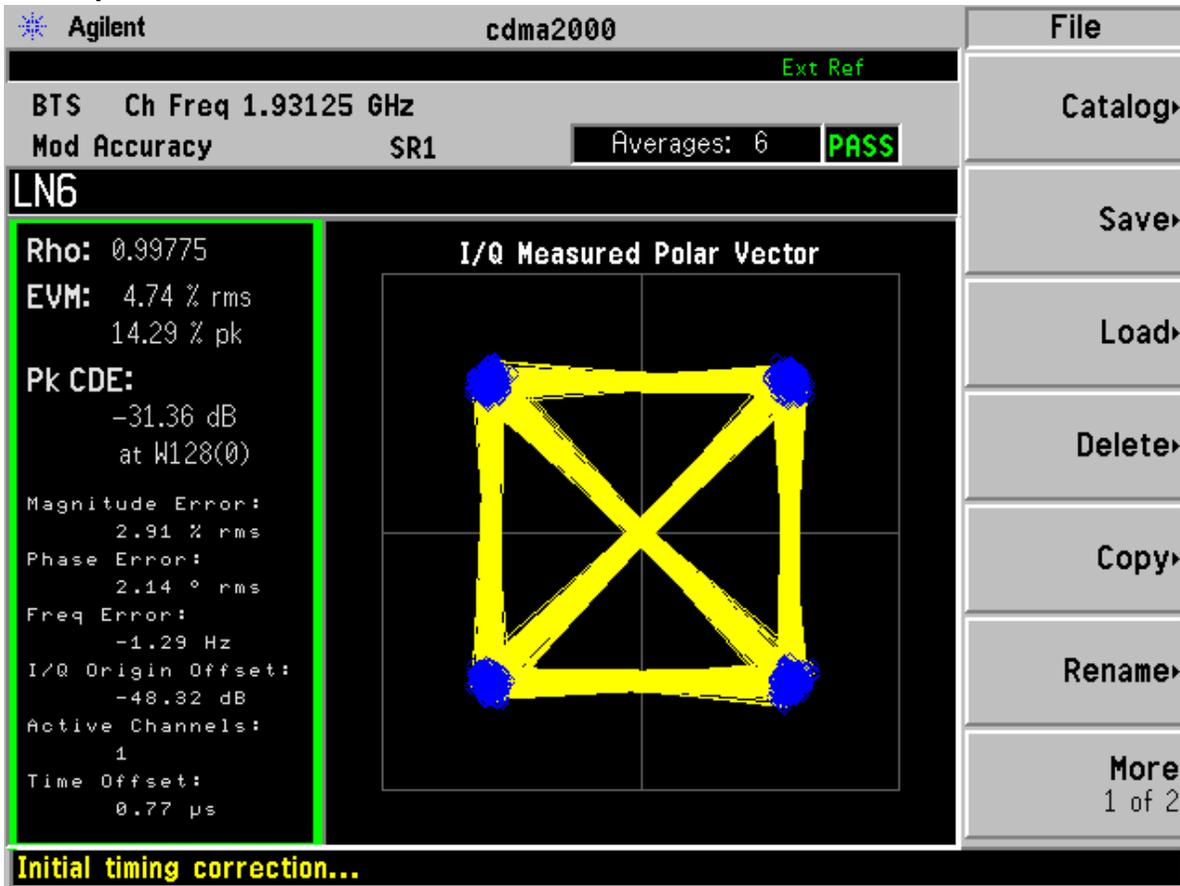
Trig Source: Ext Rear

More: 1 of 2

Temperature = - 20°C

* Agilent		cdma2000	Meas Control
		Ext Ref	
BTS	Ch Freq	1.93125 GHz	Restart
Mod Accuracy	SR1	PASS	Measure
LN002			Single Cont
Rho:	0.99770		Pause
EVM:	4.81 % rms		
	12.05 % pk		
Pk CDE:	-33.86 dB		
	at W128(0)		
Magnitude Error:	2.97 % rms		
Phase Error:	2.16 ° rms		
Freq Error:	-8.20 Hz		
I/Q Origin Offset:	-49.54 dB		
Active Channels:	1		
Time Offset:	0.72 µs		
I/Q Measured Polar Vector			
			
Initial timing correction...			

Temperature = - 10°C



Agilent cdma2000

Ext Ref

BTS Ch Freq 1.93125 GHz

Mod Accuracy SR1 Averages: 6 **PASS**

LNG

Rho: 0.99775

EVM: 4.74 % rms
14.29 % pk

Pk CDE:
-31.36 dB
at W128(0)

Magnitude Error:
2.91 % rms

Phase Error:
2.14 ° rms

Freq Error:
-1.29 Hz

I/Q Origin Offset:
-48.82 dB

Active Channels:
1

Time Offset:
0.77 µs

I/Q Measured Polar Vector

Initial timing correction...

File

Catalog>

Save>

Load>

Delete>

Copy>

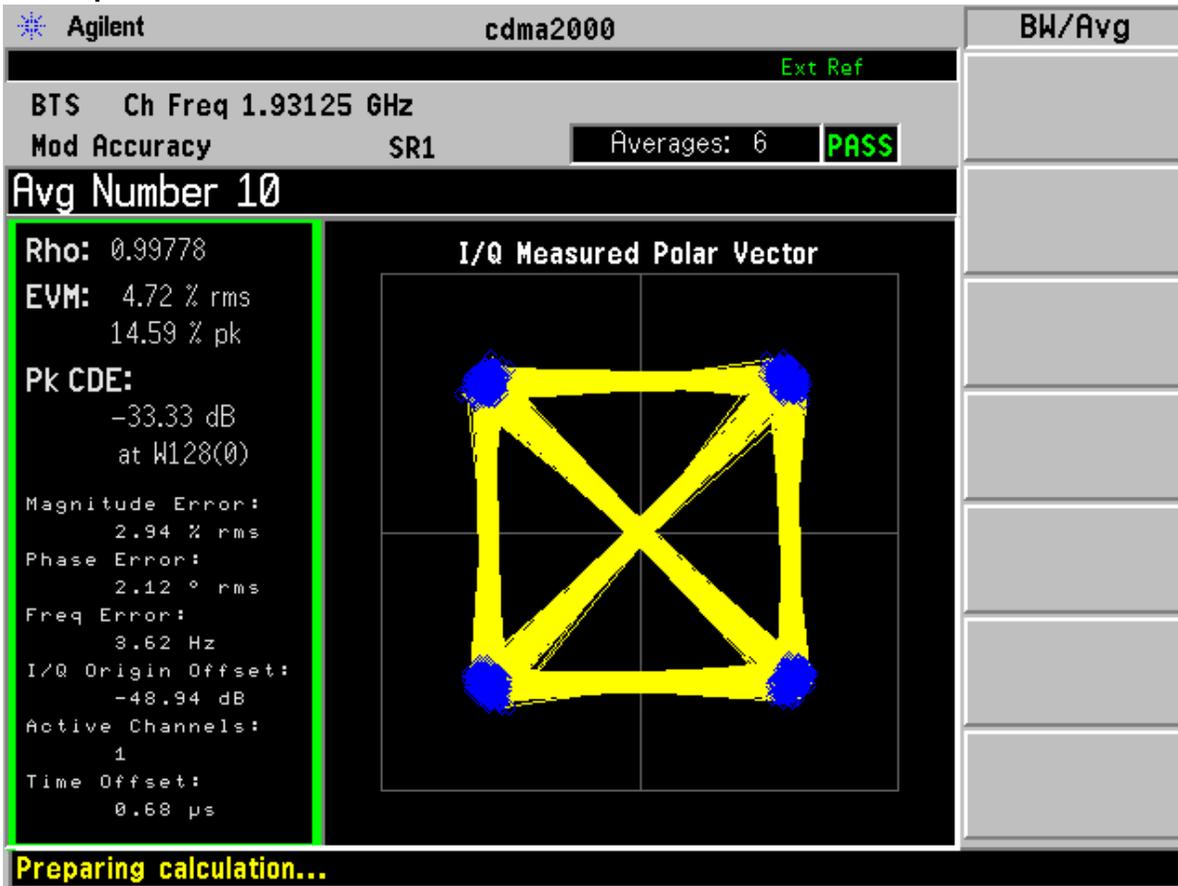
Rename>

More
1 of 2

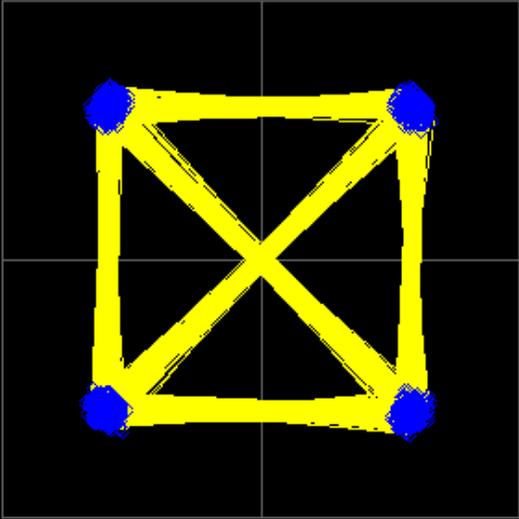
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 17 von 31
Page 17 of 31

Temperature = 0°C



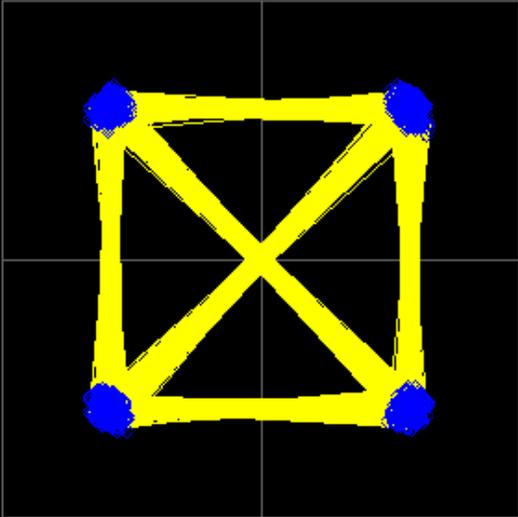
Temperature = 10°C

* Agilent		cdma2000	Meas Setup
		Ext Ref	Avg Number
BTS	Ch Freq	1.93125 GHz	10
Mod Accuracy	SR1	Averages: 2	On Off
Avg Number 10		PASS	Avg Mode
Rho: 0.99788			Exp Repeat
EVM: 4.61 % rms			Limits
11.98 % pk			Trig Source
Pk CDE:			Ext Rear
-34.21 dB			More
at W128(0)			1 of 2
Magnitude Error:			
2.92 % rms			
Phase Error:			
2.04 ° rms			
Freq Error:			
-0.04 Hz			
I/Q Origin Offset:			
-49.31 dB			
Active Channels:			
1			
Time Offset:			
0.68 µs			
Preparing calculation...			

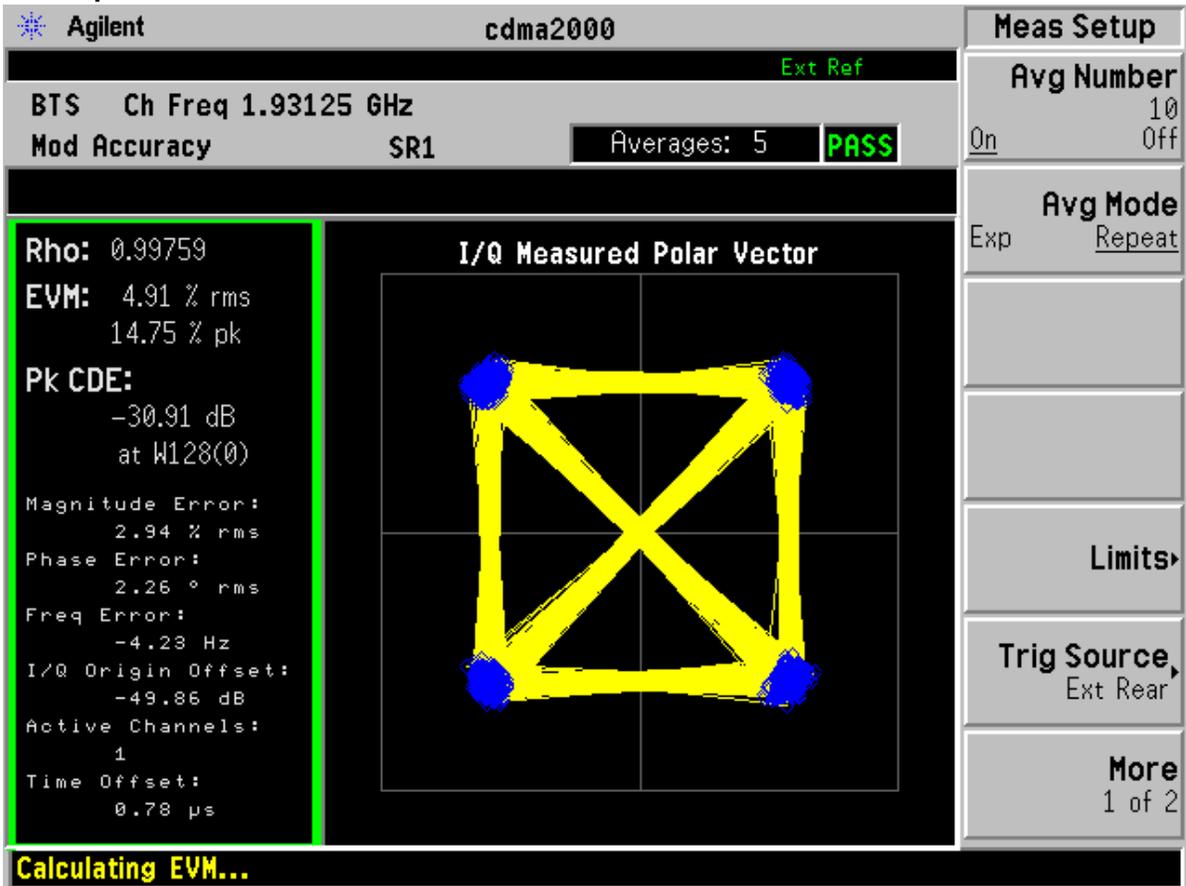
Temperature = 20°C

* Agilent		cdma2000	Measure
		Ext Ref	
BTS Ch Freq 1.93125 GHz			Channel Power
Mod Accuracy	SR1	Averages: 4	PASS
Rho: 0.99770		ACPR	
EVM: 4.80 % rms 15.12 % pk		Intermod	
Pk CDE: -31.03 dB at W128(0)		Spectrum Emission Mask	
Magnitude Error: 2.94 % rms		Occupied BW	
Phase Error: 2.17 ° rms		More	
Freq Error: -0.31 Hz		1 of 2	
I/Q Origin Offset: -50.15 dB			
Active Channels: 1			
Time Offset: 3.94 µs			
Preparing calculation...			

I/Q Measured Polar Vector



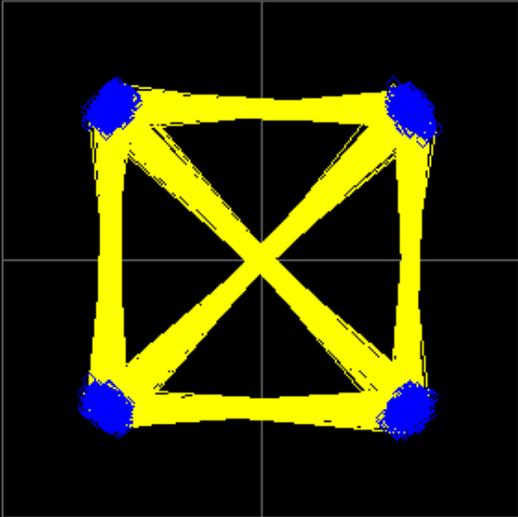
Temperature = 30°C



Temperature = 40°C

* Agilent		cdma2000	Meas Setup
		Ext Ref	Avg Number
BTS	Ch Freq	1.93125 GHz	10
Mod Accuracy	SR1	PASS	On Off
Avg Number 10			Avg Mode
Rho:	0.99714		Exp Repeat
EVM:	5.36 % rms 14.43 % pk		
Pk CDE:	-31.30 dB at W128(0)		
Magnitude Error:	2.98 % rms		Limits
Phase Error:	2.57 ° rms		Trig Source
Freq Error:	17.51 Hz		Ext Rear
I/Q Origin Offset:	-49.11 dB		More
Active Channels:	1		1 of 2
Time Offset:	0.77 µs		

I/Q Measured Polar Vector

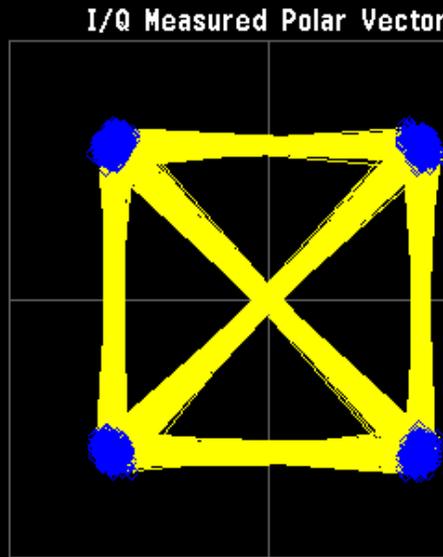


Initial timing compensation...

Temperature = 50°C

Agilent		cdma2000	Measure
		Ext Ref	
BTS	Ch Freq 1.93125 GHz		Channel Power
Mod Accuracy	SR1	PASS	
Rho: 0.99755			ACPR
EVM: 4.96 % rms			
13.34 % pk			Intermod
Pk CDE:			
-32.06 dB			
at W128(0)			
Magnitude Error:			
2.98 % rms			
Phase Error:			
2.27 ° rms			
Freq Error:			
22.21 Hz			
I/Q Origin Offset:			
-51.17 dB			
Active Channels:			
1			
Time Offset:			
0.73 µs			
			Spectrum Emission Mask
			Occupied BW
			More
			1 of 2

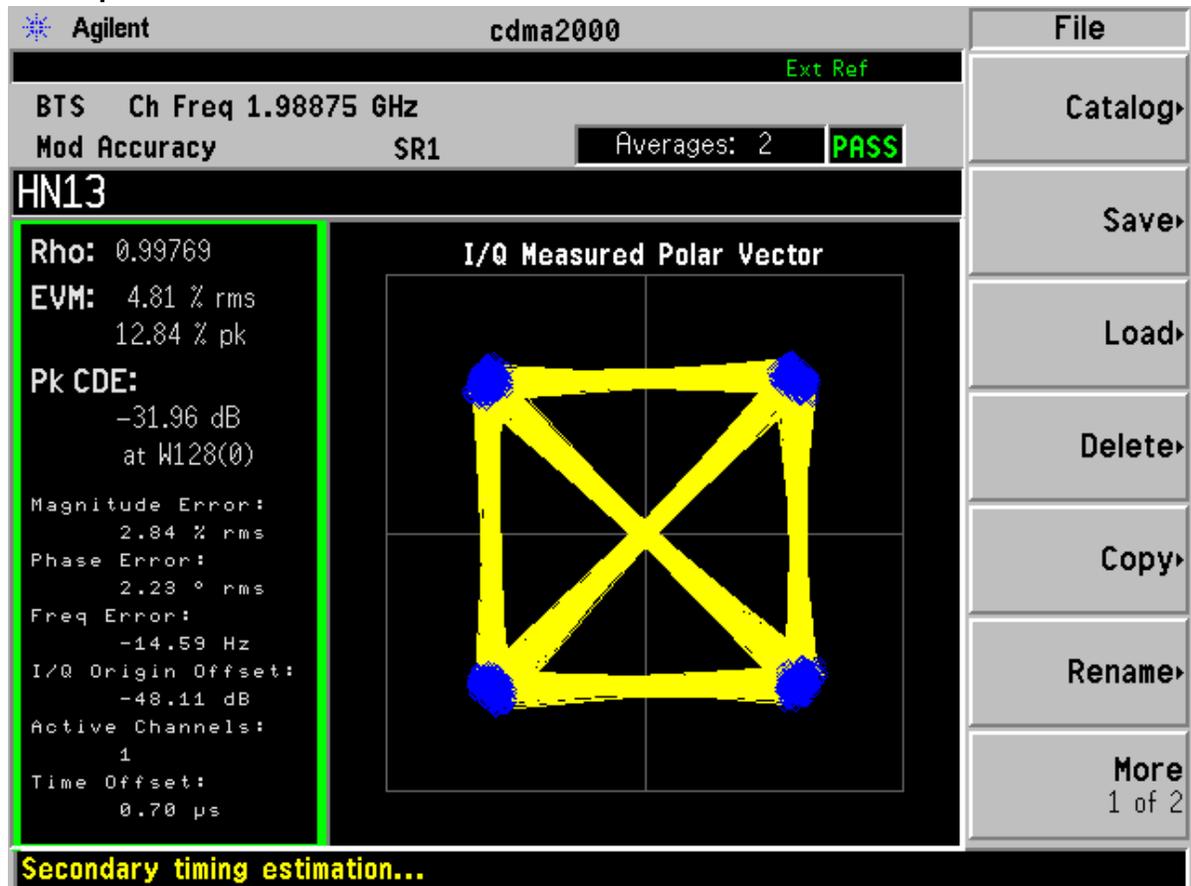
Calculating power...



Frequency Stability versus Temperature

TRX1: Channel No. 1175(1988.75MHz)

Temperature = - 30°C



Agilent cdma2000

Ext Ref

BTS Ch Freq 1.98875 GHz

Mod Accuracy SR1 Averages: 2 **PASS**

HN13

Rho: 0.99769

EVM: 4.81 % rms
12.84 % pk

Pk CDE:
-31.96 dB
at W128(0)

Magnitude Error:
2.84 % rms

Phase Error:
2.23 ° rms

Freq Error:
-14.59 Hz

I/Q Origin Offset:
-48.11 dB

Active Channels:
1

Time Offset:
0.70 µs

I/Q Measured Polar Vector

File

Catalog

Save

Load

Delete

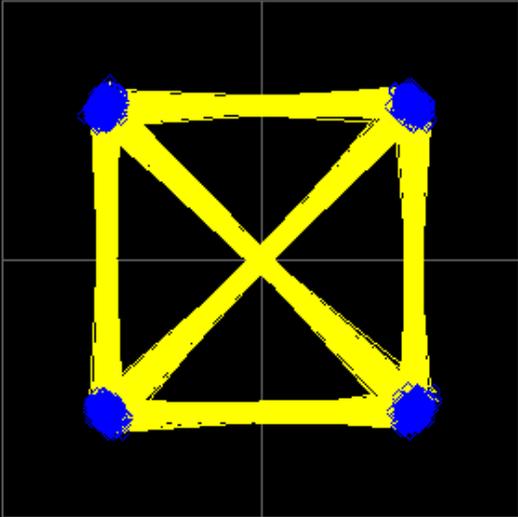
Copy

Rename

More
1 of 2

Secondary timing estimation...

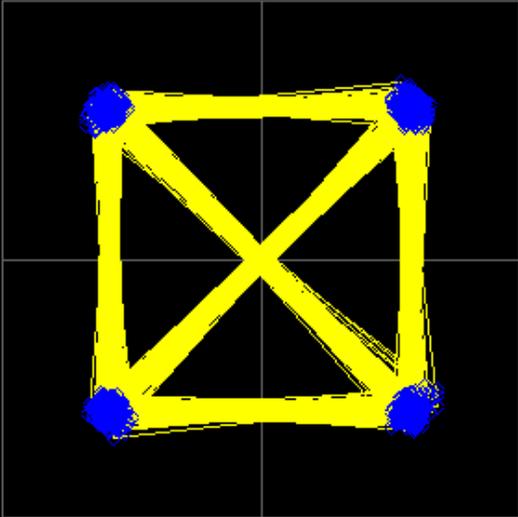
Temperature = - 20°C

* Agilent cdma2000		File
Ext Ref		
BTS Ch Freq 1.98875 GHz		Catalog>
Mod Accuracy SR1	Averages: 1 PASS	
HN11		Save>
Rho: 0.99789	I/Q Measured Polar Vector 	Load>
EVM: 4.60 % rms 12.68 % pk		Delete>
Pk CDE: -34.38 dB at W128(0)		Copy>
Magnitude Error: 2.82 % rms		Rename>
Phase Error: 2.08 ° rms		More 1 of 2
Freq Error: 17.54 Hz		
I/Q Origin Offset: -47.83 dB		
Active Channels: 1		
Time Offset: 0.77 µs		
Initial timing compensation...		

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 25 von 31
Page 25 of 31

Temperature = - 10°C

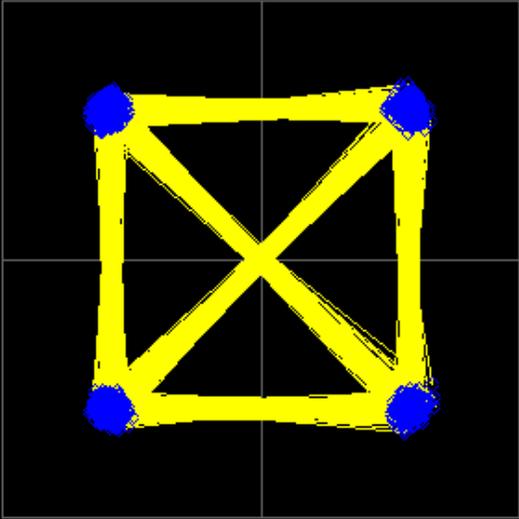
* Agilent cdma2000		File
Ext Ref		
BTS Ch Freq 1.98875 GHz		Catalog>
Mod Accuracy SR1	Averages: 4 PASS	
RS1175N01		Save>
Rho: 0.99756	I/Q Measured Polar Vector 	Load>
EVM: 4.94 % rms 15.51 % pk		Delete>
Pk CDE: -29.94 dB at W128(0)		Copy>
Magnitude Error: 2.92 % rms		Rename>
Phase Error: 2.28 ° rms		More 1 of 2
Freq Error: -4.72 Hz		
I/Q Origin Offset: -47.68 dB		
Active Channels: 1		
Time Offset: 0.72 µs		
Preparing calculation...		

Temperature = 0°C

* Agilent 16:51:49 Aug 26, 2003 cdma2000 Ext Ref

BTS Ch Freq 1.98875 GHz
Mod Accuracy SR1 Averages: 2 **PASS**

RS75N01

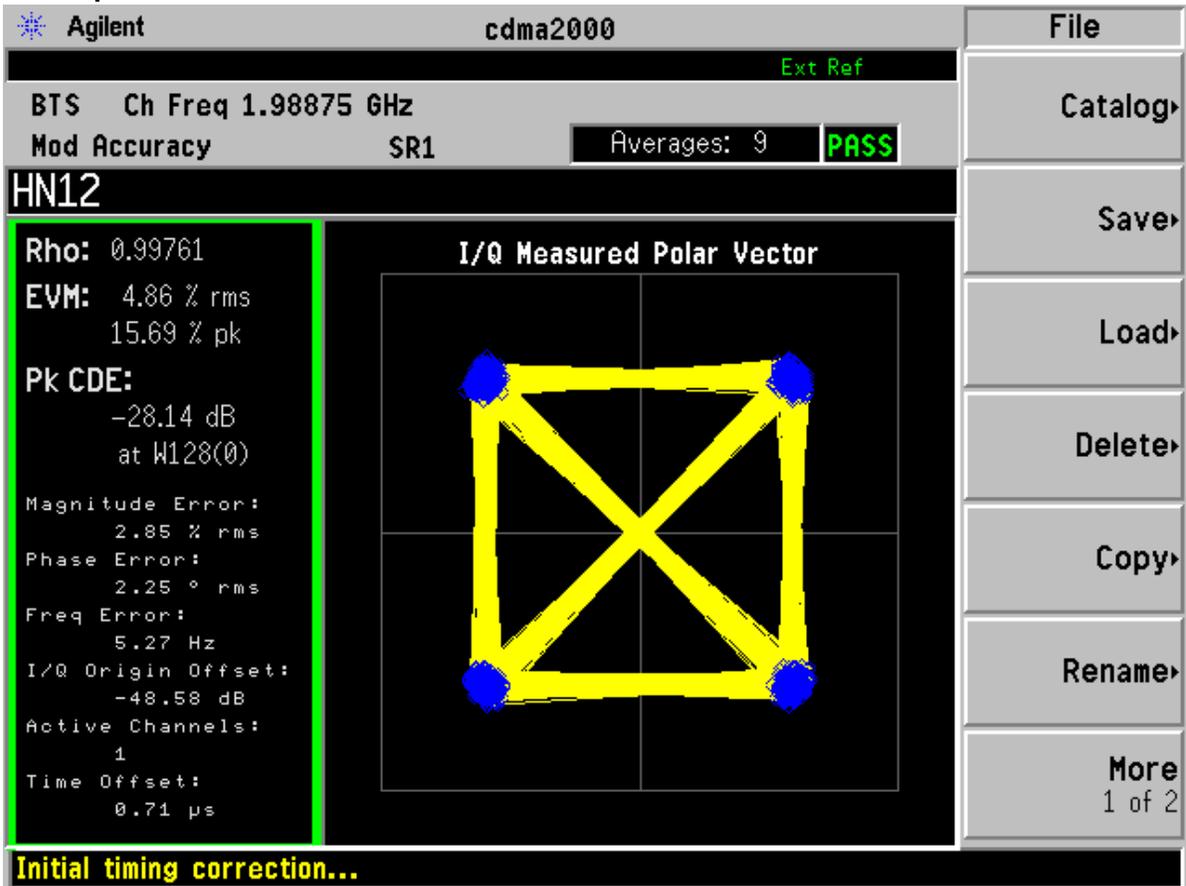
<p>Rho: 0.99784 EVM: 4.66 % rms 15.10 % pk Pk CDE: -33.65 dB at W128(0) Magnitude Error: 2.93 % rms Phase Error: 2.08 ° rms Freq Error: -2.35 Hz I/Q Origin Offset: -47.27 dB Active Channels: 1 Time Offset: 0.72 µs</p>	<p>I/Q Measured Polar Vector</p> 
--	---

File

- Catalog>
- Save>
- Load>
- Delete>
- Copy>
- Rename>
- More
1 of 2

Initial timing compensation...

Temperature = 10°C



Agilent cdma2000 Ext Ref

BTS Ch Freq 1.98875 GHz
Mod Accuracy SR1 Averages: 9 **PASS**

HN12

Rho: 0.99761
EVM: 4.86 % rms
15.69 % pk
Pk CDE:
-28.14 dB
at W128(0)

Magnitude Error:
2.85 % rms
Phase Error:
2.25 ° rms
Freq Error:
5.27 Hz
I/Q Origin Offset:
-48.58 dB
Active Channels:
1
Time Offset:
0.71 µs

I/Q Measured Polar Vector

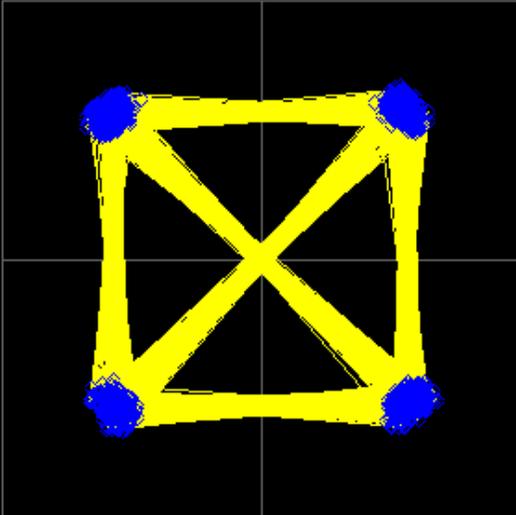
Initial timing correction...

File
Catalog
Save
Load
Delete
Copy
Rename
More
1 of 2

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 28 von 31
Page 28 of 31

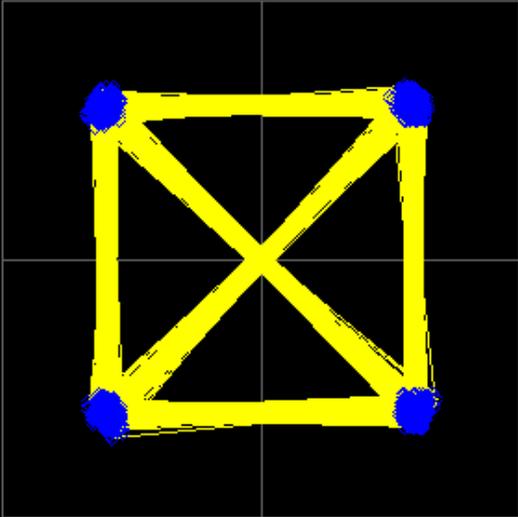
Temperature = 20°C

* Agilent		cdma2000	Meas Setup
		Ext Ref	Avg Number
BTS	Ch Freq	1.98875 GHz	10
Mod Accuracy	SR1	Averages: 7	On Off
		PASS	
Avg Number 10			Avg Mode
Rho: 0.99721		<p>I/Q Measured Polar Vector</p> 	Exp Repeat
EVM: 5.27 % rms			
15.68 % pk			
Pk CDE:			
-28.05 dB			
at W128(0)			
Magnitude Error:			Limits
2.94 % rms			
Phase Error:			Trig Source
2.50 ° rms			Ext Rear
Freq Error:		More	
0.37 Hz		1 of 2	
I/Q Origin Offset:			
-48.08 dB			
Active Channels:			
1			
Time Offset:			
-0.40 µs			
Initial timing correction...			

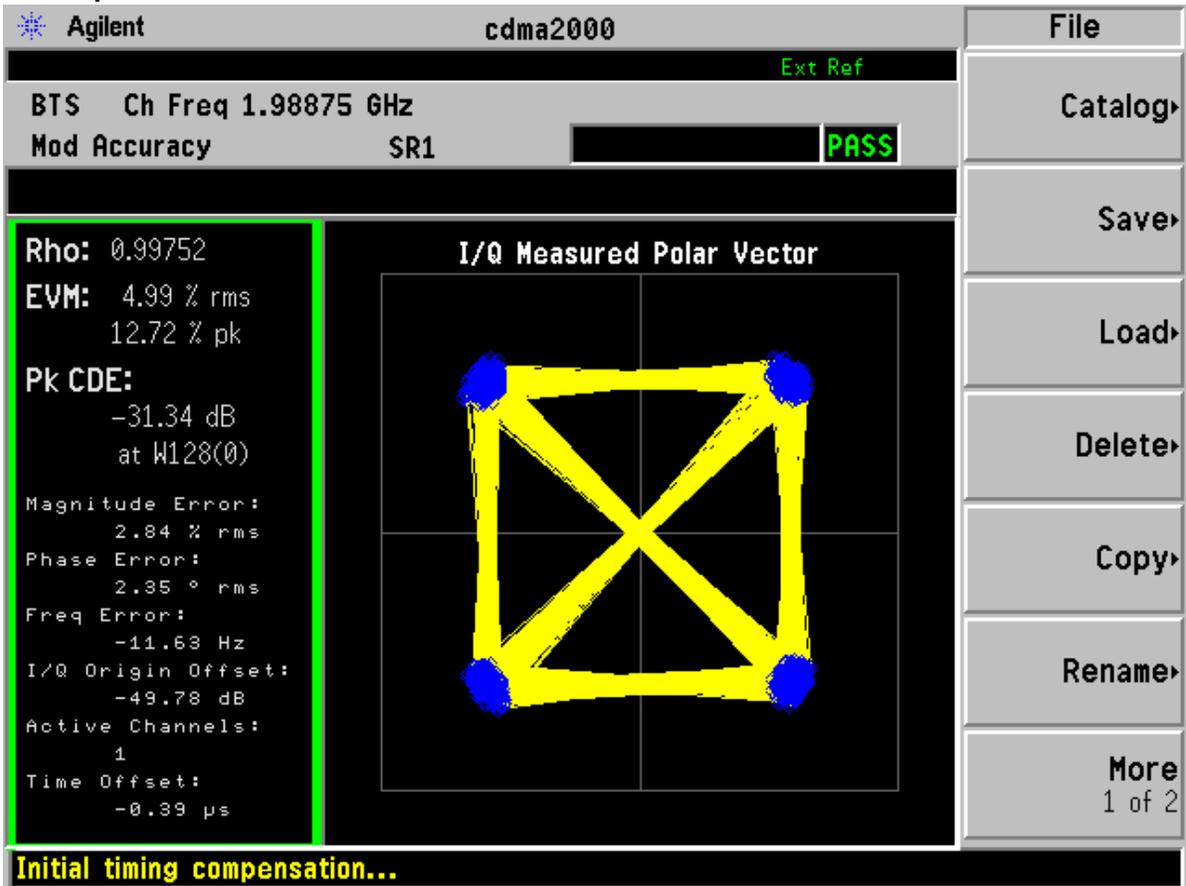
Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 29 von 31
Page 29 of 31

Temperature = 30°C

* Agilent		cdma2000	File
		Ext Ref	
BTS	Ch Freq	1.98875 GHz	Catalog>
Mod Accuracy	SR1	Averages: 1	PASS
HN8			Save>
Rho:	0.99807		Load>
EVM:	4.40 % rms 11.64 % pk		Delete>
Pk CDE:	-37.13 dB at W128(0)		Copy>
Magnitude Error:	2.82 % rms		Rename>
Phase Error:	1.93 ° rms		More
Freq Error:	8.78 Hz		1 of 2
I/Q Origin Offset:	-48.61 dB		
Active Channels:	1		
Time Offset:	0.77 µs		
I/Q Measured Polar Vector			
			
Preparing calculation...			

Temperature = 40°C



Agilent cdma2000 Ext Ref

BTS Ch Freq 1.98875 GHz
Mod Accuracy SR1 PASS

Rho: 0.99752
EVM: 4.99 % rms
12.72 % pk
Pk CDE:
-31.34 dB
at W128(0)
Magnitude Error:
2.84 % rms
Phase Error:
2.35 ° rms
Freq Error:
-11.63 Hz
I/Q Origin Offset:
-49.78 dB
Active Channels:
1
Time Offset:
-0.39 µs

I/Q Measured Polar Vector

File
Catalog
Save
Load
Delete
Copy
Rename
More
1 of 2

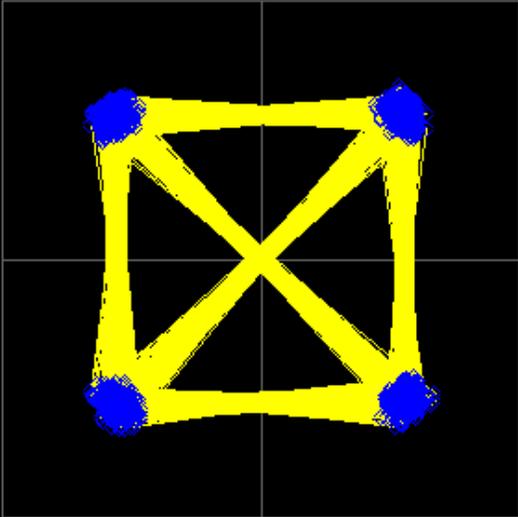
Initial timing compensation...

Temperature = 50°C

* Agilent		cdma2000	Measure
		Ext Ref	
BTS Ch Freq 1.98875 GHz			Code Domain
Mod Accuracy SR1		Averages: 1	PASS
			Mod Accuracy (Composite Rho)
			QPSK EVM
			Power Stat CCDF
			Spectrum (Freq Domain)
			Waveform (Time Domain)
			More 2 of 2

Rho: 0.99728
EVM: 5.22 % rms
13.86 % pk
Pk CDE:
-30.16 dB
at W128(0)
Magnitude Error:
2.95 % rms
Phase Error:
2.48 ° rms
Freq Error:
15.64 Hz
I/Q Origin Offset:
-47.77 dB
Active Channels:
1
Time Offset:
-0.39 µs

I/Q Measured Polar Vector



Calculating EVM...

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 1 von 4
Page 1 of 4

Appendix G

Photos of Test Set-up

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 2 von 4
Page 2 of 4

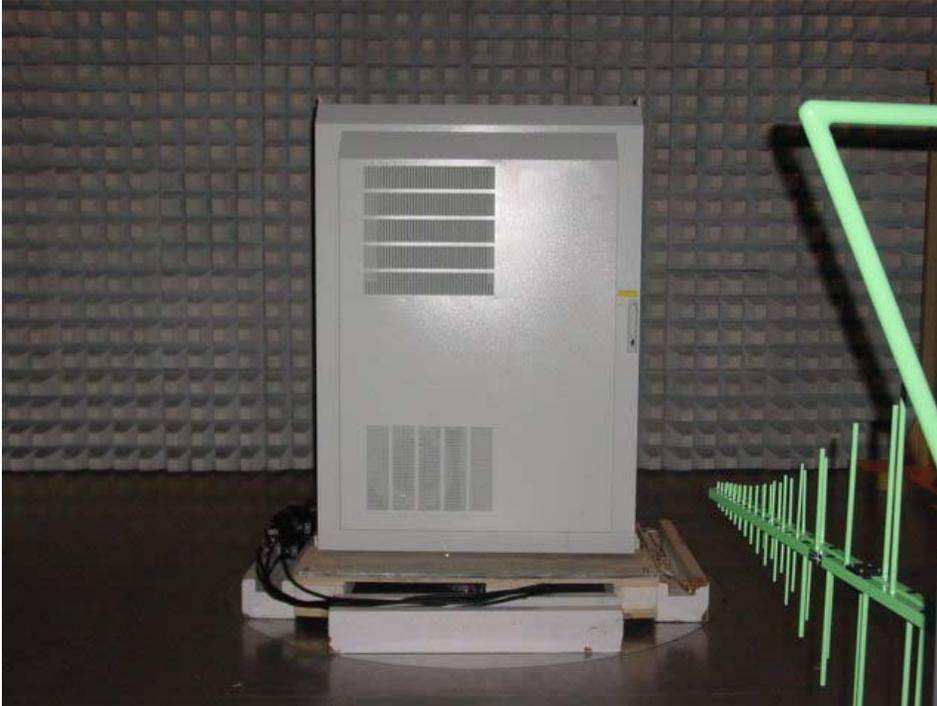


Photo ERP Measurement 30 MHz – 1 GHz



Photo ERP measurement 1 GHz – 10 GHz

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 3 von 4
Page 3 of 4

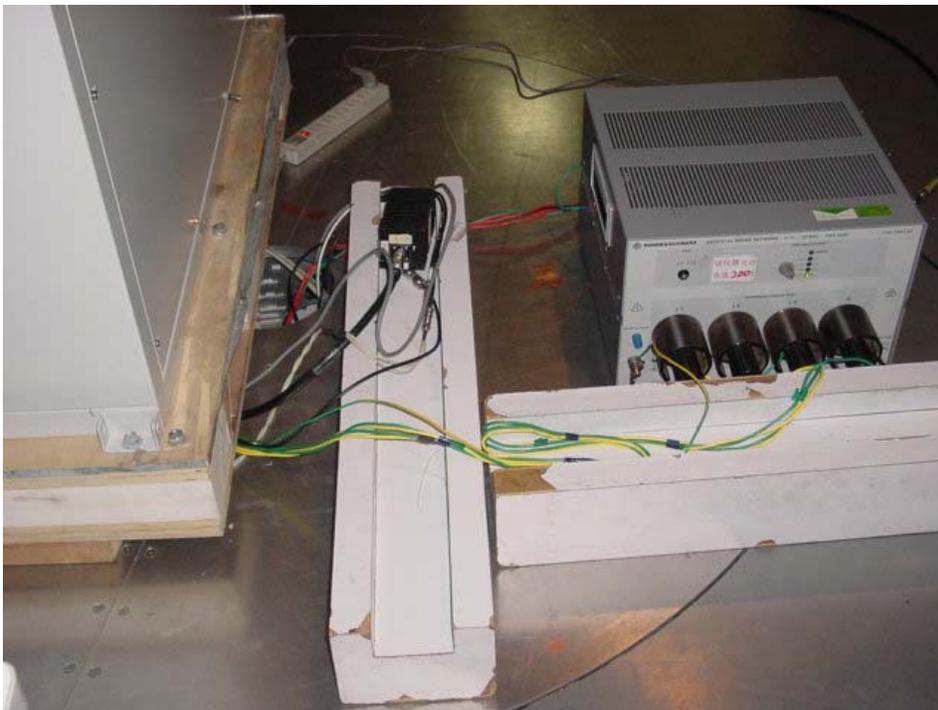


Photo Conducted Emission Measurement

Prüfbericht - Nr.: 17001675 001
Test Report No.

Seite 4 von 4
Page 4 of 4



Photo, Radio Measurement