Exhibit 24

Occupied Bandwidth and Spurious Emission Measured Data --
for CDMA mode when operating in P_REV 6 or above

KWC-2325 supports additional reverse channels, as per IS-98D, additional measurements have taken to show compliance. Below is the applicable section from IS-98D

4.5 Limitations on Emissions

4.5.1 Conducted Spurious Emissions

4.5.1.1 Definition
Conducted spurious emissions are emissions at frequencies that are outside the assigned CDMA Channel, measured at the mobile station antenna connector. This test measures the spurious emissions during continuous transmission.

4.5.1.2 Method of Measurement
1. Connect the base station to the mobile station antenna connector as shown in Figure 6.5.1-4. The AWGN generator and the interference generator are not applicable in this test. Connect a spectrum analyzer (or other suitable test equipment) to the mobile station antenna connector.
2. For each band class and radio configuration that the mobile station supports, configure the base station and mobile station to operate in that band class and perform steps 3 through 17.
   - Thus Band Class 0 and Band Class 1 for the KWC-2325
3. Set the following parameters of the *Access Parameters Message* as specified below:

Parameter	**Value (Decimal)**
NOM_PWR	7 (7 dB)
INIT_PWR	15 (15 dB)
PWR_STEP	7 (7 dB/step)
NUM_STEP	15 (16 probes/sequence)
MAX_RSP_SEQ	15 (15 sequences)

If the Enhanced Access Channel is used, set the following parameters of the *Enhanced Access Parameters Message* as specified below (N/A so Table not included below)

4. If the mobile station supports Reverse Traffic Channel Radio Configuration 1 and Forward Traffic Channel Radio Configuration 1, set up a call using Fundamental Channel Test Mode 1 (see 1.3) with 9600 bps data rate only and perform steps 15 through 17.
   - Test Mode 1 implies an S02 call(Rate Set 1) on RC1/RC2….this is equivalent to what was performed already h-1 through h-4 of Exhibit 8 and a, b, c, and d of Exhibit 9
5. If the mobile station supports the Radio Configuration 3 Reverse Fundamental Channel and demodulation of Radio Configuration 3, 4, or 5, set up a call using Fundamental Channel Test Mode 3 (see 1.3) with 9600 bps data rate only and perform steps 15 through 17.

   - Test Mode 3 implies using a Rate Set 1 loopback service option.

6. If the mobile station supports the Radio Configuration 3 Reverse Dedicated Control Channel and demodulation of Radio Configuration 3, 4, or 5, set up a call using Dedicated Control Channel Test Mode 3 (see 1.3) with 9600 bps data rate only and 100% frame activity and perform steps 15 through 17.
   - N/A, the KWC-2325 will not support F/R-DCCH

7. If the mobile station supports the Radio Configuration 3 Reverse Fundamental Channel, Radio Configuration 3 Reverse Dedicated Control Channel and demodulation of Radio Configuration 3, 4, or 5, set up a call using Fundamental Channel Test Mode 3 (see 1.3) with 1500 bps Fundamental Channel data rate only and 9600 bps Dedicated Control Channel with 100 % frame activity, and perform steps 15 through 17.
   - N/A, the KWC-2325 will not support F/R-DCCH
8. If the mobile station supports the Radio Configuration 3 Reverse Fundamental Channel, Radio Configuration 3 Reverse Supplemental Channel 0 and demodulation of Radio Configuration 3, 4, or 5, set up a call using Supplemental Channel Test Mode 3 (see 1.3) with 9600 bps Fundamental Channel and 9600 bps Supplemental Channel 0 data rate, and perform steps 15 through 17.

   - Test Mode 3 implies using a Rate Set 1 loopback service option.

9. If the mobile station supports the Radio Configuration 3 Reverse Dedicated Control Channel, Radio Configuration 3 Reverse Supplemental Channel 0 and demodulation of Radio Configuration 3, 4, or 5, set up a call using Supplemental Channel Test Mode 3 (see 1.3) with 9600 bps Dedicated Control Channel with 100% frame activity and 9600 bps Supplemental Channel 0 data rate, and perform steps 15 through 17.
   - N/A, the KWC-2325 will not support F/R-DCCH
10. If the mobile station supports the Radio Configuration 5 Reverse Fundamental Channel and demodulation of Radio Configuration 6, 7, 8, or 9, set up a call using Fundamental Channel Test Mode 7 (see 1.3) with 9600 bps data rate only and perform steps 15 through 17.
    - N/A, the KWC-2325 will not support RC5 on the reverse link, nor RC6, 7, 8, or 9 on the forward link.
11. If the mobile station supports the Radio Configuration 5 Reverse Dedicated Control Channel and demodulation of Radio Configuration 6, 7, 8, or 9, set up a call using Dedicated Control Channel Test Mode 7 (see 1.3) with 9600 bps data rate only and 100% frame activity and perform steps 15 through 17.
    - N/A, the KWC-2325 will not support RC5 on the reverse link, nor RC6, 7, 8, or 9 on the forward link.
12. If the mobile station supports the Radio Configuration 5 Reverse Fundamental Channel, Radio Configuration 5 Reverse Dedicated Control Channel and demodulation of Radio Configuration 6, 7, 8, or 9, set up a call using Fundamental Channel Test Mode 7 (see 1.3) with 1500 bps Fundamental Channel data rate only and 9600 bps Dedicated Control Channel with 100 % frame activity, and perform steps 15 through 17.
    - N/A, the KWC-2325 will not support RC5 on the reverse link, nor RC6, 7, 8, or 9 on the forward link.
13. If the mobile station supports the Radio Configuration 5 Reverse Fundamental Channel, Radio Configuration 5 Reverse Supplemental Channel 0 and demodulation of Radio Configuration 6, 7, 8, or 9, set up a call using Supplemental Channel Test Mode 7 (see 1.3) with 9600 bps Fundamental Channel and 9600 bps Supplemental Channel 0 data rate, and perform steps 15 through 17.
    - N/A, the KWC-2325 will not support RC5 on the reverse link, nor RC6, 7, 8, or 9 on the forward link.
14. If the mobile station supports the Radio Configuration 5 Reverse Dedicated Control Channel, Radio Configuration 5 Reverse Supplemental Channel 0 and demodulation of Radio Configuration 6, 7, 8, or 9, set up a call using Supplemental Channel Test Mode 7 (see 1.3) with 9600 bps Dedicated Control Channel with 100% frame activity and 9600 bps Supplemental Channel 0 data rate, and perform steps 10 through 17.
    - N/A, the KWC-2325 will not support RC5 on the reverse link, nor RC6, 7, 8, or 9 on the forward link.
15. Set the test parameters as specified in Table 4.5.1.2-1.
16. Send continuously ,'0' power control bits to the mobile station.
17. Measure the spurious emission levels.

Table 4.5.1.2-1. Test Parameters for Testing Spurious Emissions at Maximum RF Output Power

Parameter	Units	Value
Ior^	dBm/1.23 MHz	-104
Pilot Ec / Ior	dB	-7.0
Traffic Ec / Ior	dB	-7.4

4.5.1.3 Minimum Standard

Depending on local radio regulations, the mobile station shall meet ITU Category A or B emissions rules as appropriate. For Band Class 5, 6, 8, and 9, a mobile station shall meet ITU Category B emission rules.

4.5.1.3.1 Spreading Rate 1

When transmitting in Band Class 0, 2, 3, 5, 7 or 9 with Spreading Rate 1, the spurious emissions shall be less than all limits specified in Table 4.5.1.3.1-1.

Table 4.5.1.3.1-1. Band Class 0, 2, 3, 5, 7 and 9 Transmitter Spurious Emission Limits for Spreading Rate 1

For |Δf| Within the Range	Emission Limit
885 kHz to 1.98 MHz	Less stringent of -42 dBc/30 kHz or -54 dBm/1.23 MHz
1.98 MHz to 4.00 MHz	Less stringent of -54 dBc/30 kHz or -54 dBm/1.23 MHz
~~> 1.98 MHz (Band Class 3 only)~~	~~-54 dBc/30 kHz~~
~~2.25 MHz to 4.00 MHz (Band Class 7 only)~~	~~-35 dBm/6.25 kHz~~
> 4.00 MHz (ITU Category A only)	-13 dBm / 1 kHz; 9 kHz < f < 150 kHz -13 dBm / 10 kHz; 150 kHz < f < 30 MHz -13 dBm/100 kHz; 30 MHz < f < 1 GHz -13 dBm / 1 MHz; 1 GHz < f < 5 GHz
~~> 4.00 MHz (ITU Category B only) (required for Band Class 5 and 9)~~	~~-36 dBm / 1 kHz; 9 kHz < f < 150 kHz -36 dBm / 10 kHz; 150 kHz < f < 30 MHz -36 dBm/100 kHz; 30 MHz < f < 1 GHz -36 dBm / 1 MHz; 1 GHz < f < 12.75 GHz~~

Note: All frequencies in the measurement bandwidth shall satisfy the restrictions on |Δf| where Δf = center frequency - closer measurement edge frequency (f). Compliance with the -35 dBm / 6.25 kHz limit is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral power in a 6.25 kHz segment. For Band Class 3, the lower and upper limits of the frequency measurement are currently 10 MHz and 3 GHz in Japan radio measurement documents.

When transmitting in Band Class 1, 4, 6 or 8 with Spreading Rate 1, the spurious emissions shall be less than all limits specified in Table 4.5.1.3.1-2.

Table 4.5.1.3.1-2. Band Class 1, 4, 6 and 8 Transmitter Spurious Emission Limit for Spreading Rate 1

For |Δf| Within the Range	Emission Limit
1.25 MHz to 1.98 MHz	less stringent of -42 dBc/30 kHz or -54 dBm/1.23 MHz
1.98 MHz to 4.00 MHz	less stringent of -50 dBc/30 kHz or -54 dBm/1.23 MHz
~~2.25 MHz to 4.00 MHz (Band Class 6 only)~~	~~-[13 + 1 × (Δf – 2.25 MHz)] dBm / 1 MHz~~
~~> 2.25 MHz (Band Class 6 in Japan only)~~	~~-13 dBm/ 1 MHz~~
> 4.00 MHz (ITU Category A)	-13 dBm / 1 kHz; 9 kHz < f < 150 kHz -13 dBm / 10 kHz; 150 kHz < f < 30 MHz -13 dBm/100 kHz; 30 MHz < f < 1 GHz -13 dBm / 1 MHz; 1 GHz < f < 10 GHz
~~> 4.00 MHz (ITU Category B) (required for Band Class 6 and 8)~~	~~-36 dBm / 1 kHz; 9 kHz < f < 150 kHz~~ ~~-36 dBm / 10 kHz; 150 kHz < f < 30 MHz~~ ~~-36 dBm/100 kHz; 30 MHz < f < 1 GHz~~ ~~-30 dBm / 1 MHz; 1 GHz < f < 12.75 GHz~~

Note: All frequencies in the measurement bandwidth shall satisfy the restrictions on |Δf| where Δf = center frequency - closer measurement edge frequency (f). The lower and upper limits of the frequency measurement for Band Class 6 greater than 2.25 MHz offset are currently unspecified in Japan radio measurement documents.

All other sub-sections of the Emissions section have been omitted since the MS does not support.

After all this, the bottom line for KWC-2325 is to perform Tests as per #5 and #8. Four additional fundamental set-ups are,

1. Cellular CDMA F/R-FCH at RC3 using a rate set 1 loopback service option
2. PCS CDMA F/R-FCH at RC3 using a rate set 1 loopback service option
3. Cellular CDMA F-FCH and R-FCH + R-SCH at RC3 using a rate set 1 loopback service option @ 9600bps for both Reverse channels
4. PCS CDMA F-FCH and R-FCH + R-SCH at RC3 using a rate set 1 loopback service option @ 9600bps for both Reverse channels

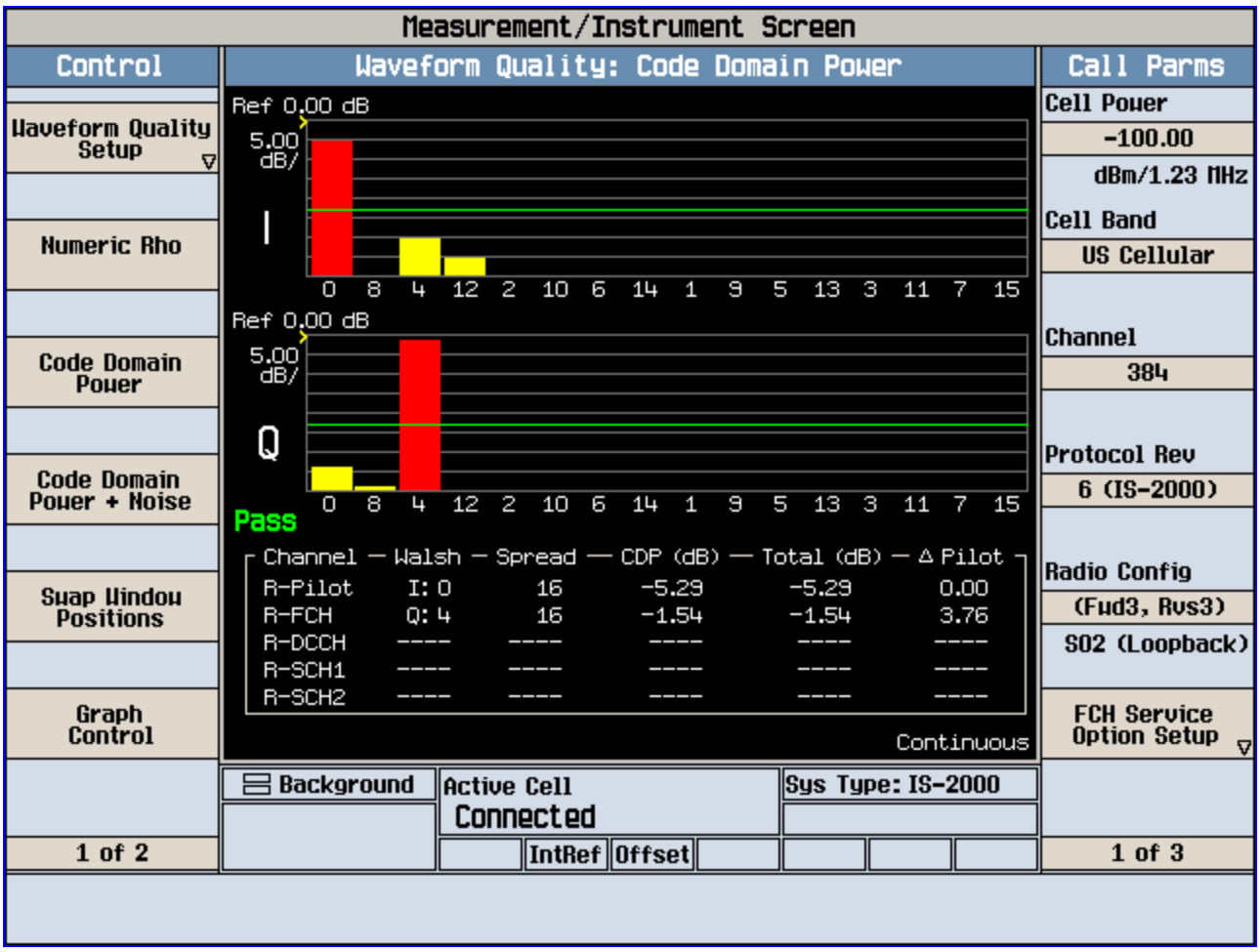
The test results show KWC-2325 is in compliance with IS-98D and FCC requirements. Test data as follows.

Occupied Bandwidth & Spurious Emission

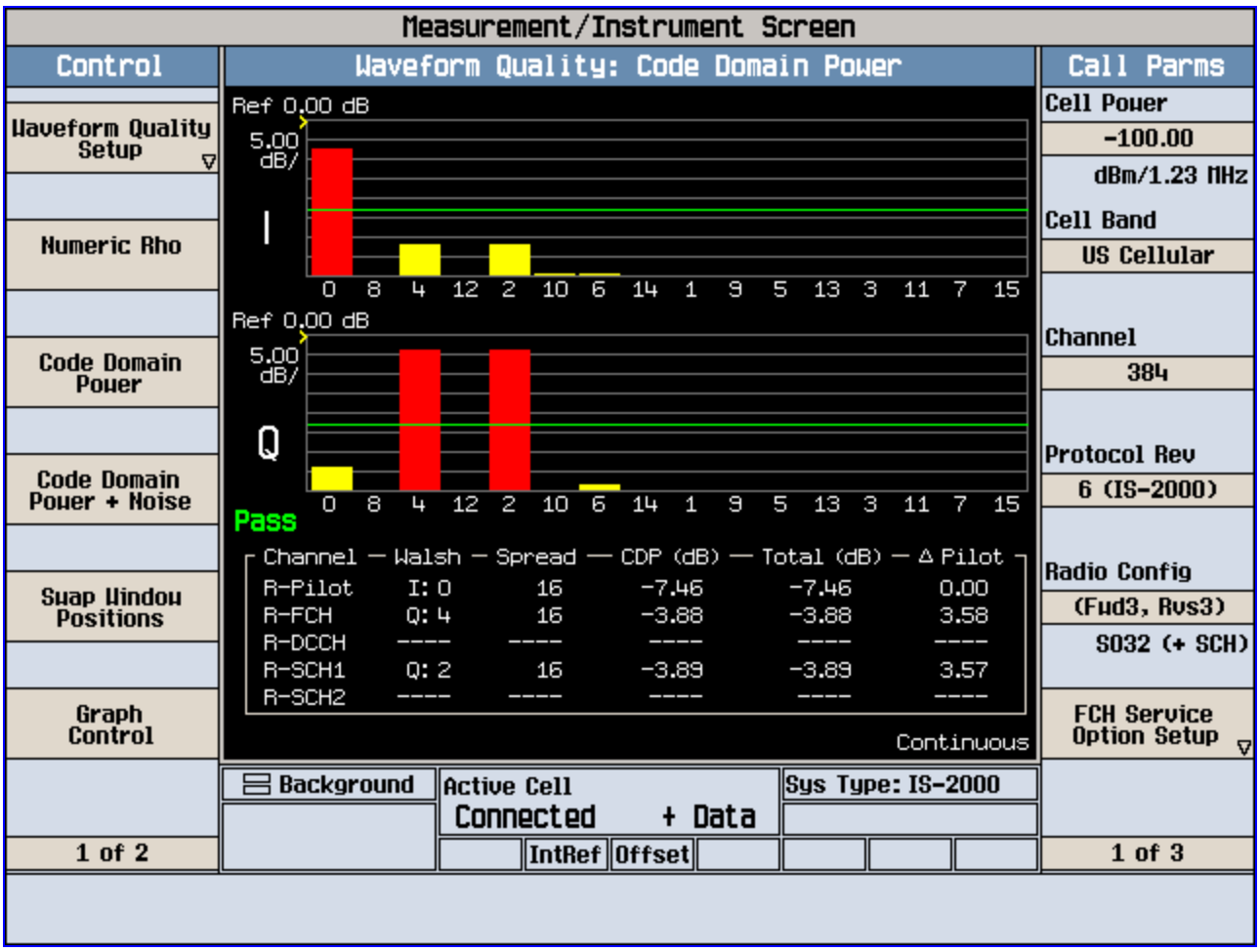
Cellular Band

Ch384

The graphs of RC3 R-FCH Code Domain and RC3 R-FCH+R-SCH Code Domain are in the proceeding pages.



Click image to update.

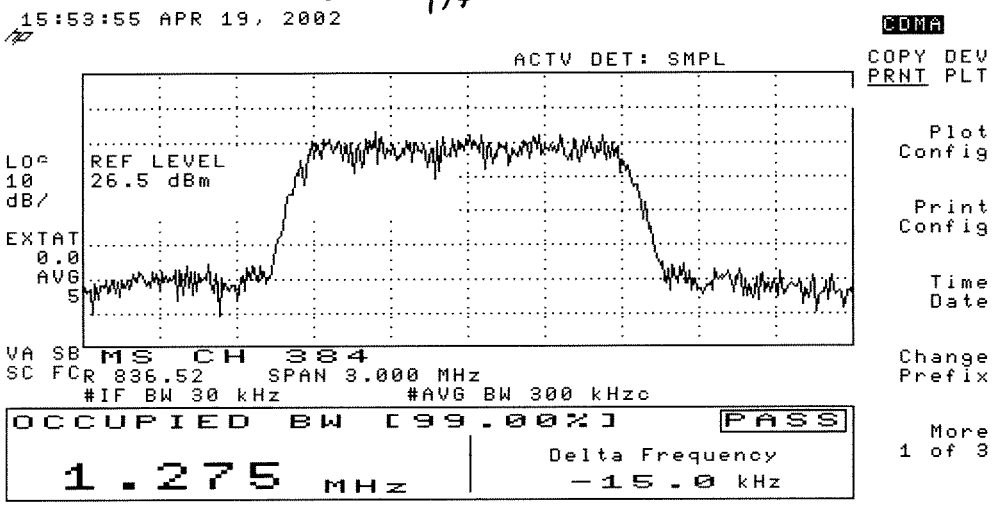


Click image to update.

The plots of occupied bandwidth and spurious emission for CDMA cellular, ch384 are attached in the proceeding pages.

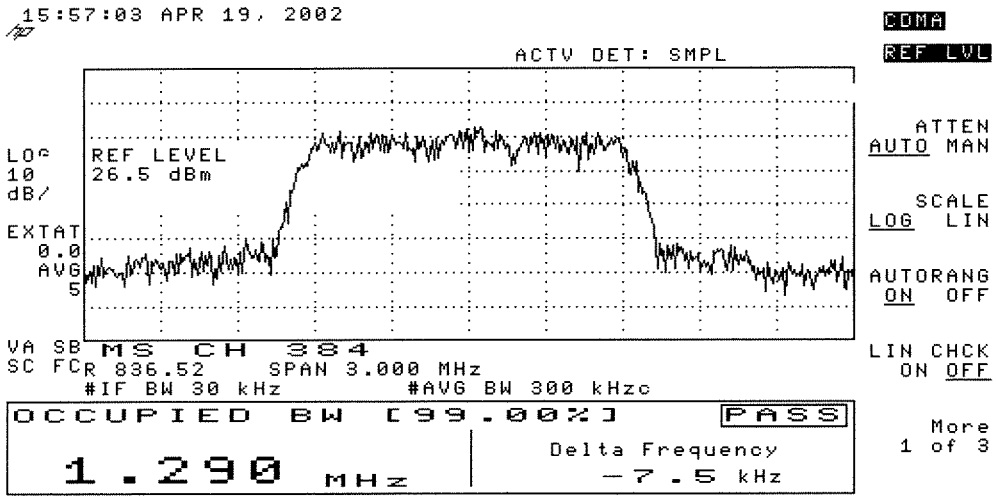
KWCOVF-2345

(OBW cdma2000) R-FCH + R-PICH + R-FCH + R-PICH + R-SCH0) CELLULAR CH384



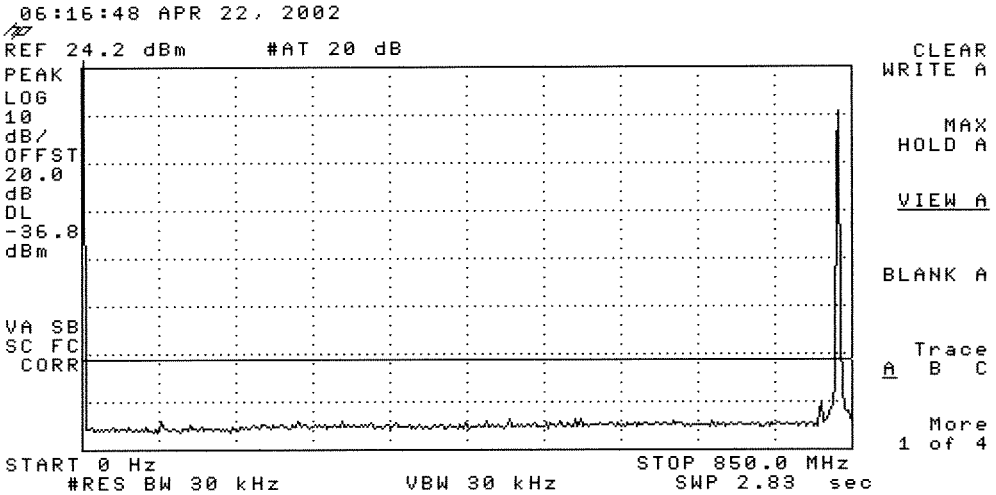
RC3

R-FCH + R-PICH

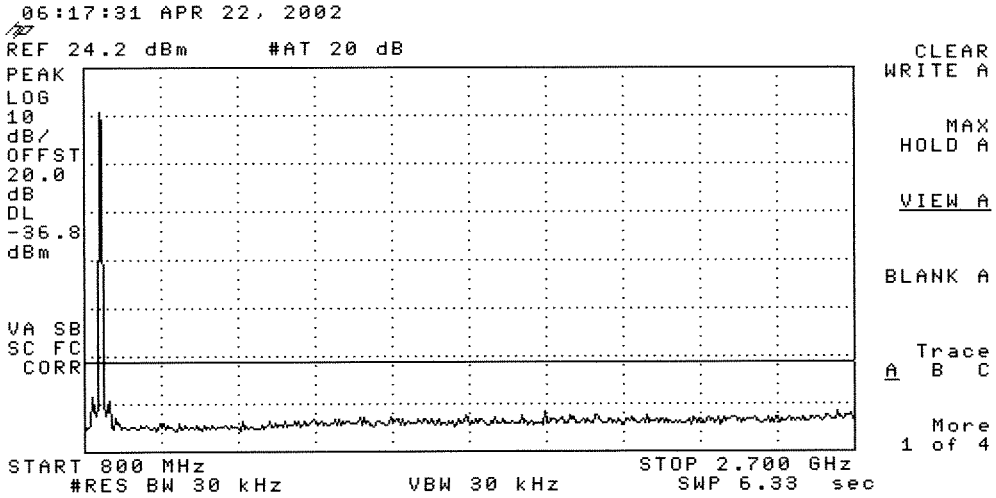


RC3

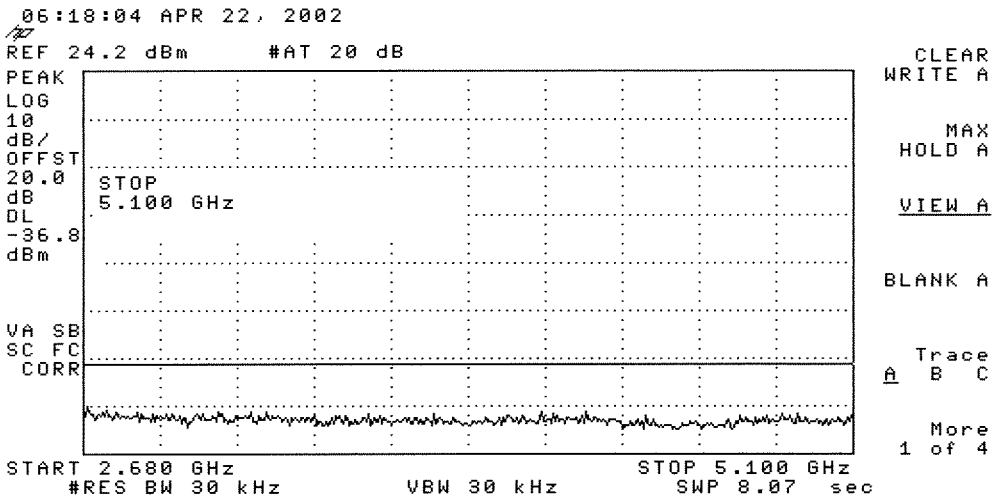
R-FCH + RSCH0 + R-PICH



CH 384
CELLULAR
RC3
R-FCH + R-PICH
ØHZ TO 850MHZ



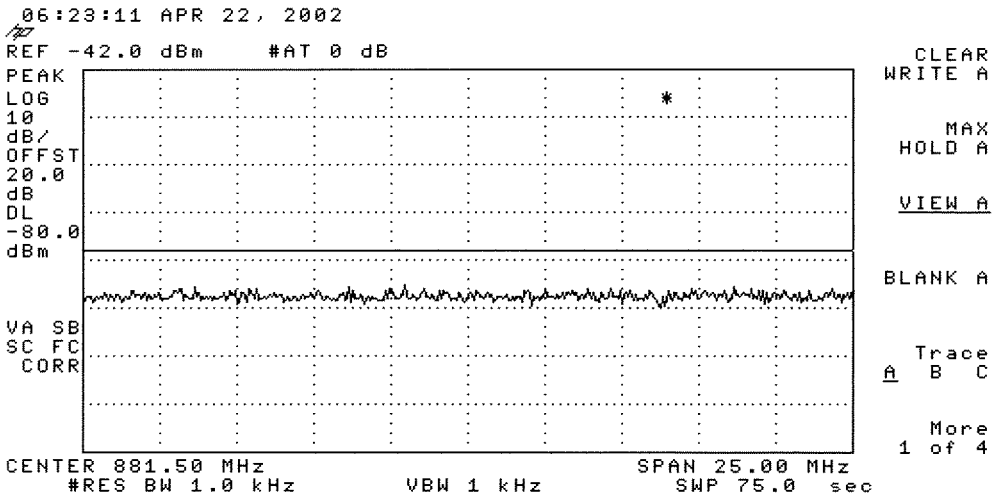
CH 384
CELLULAR
RC3
R-FCH + R-PICH
800MHZ
TO
2.70GHZ



CH 384
CELLULAR
RC3

R-FCH + R-PICH

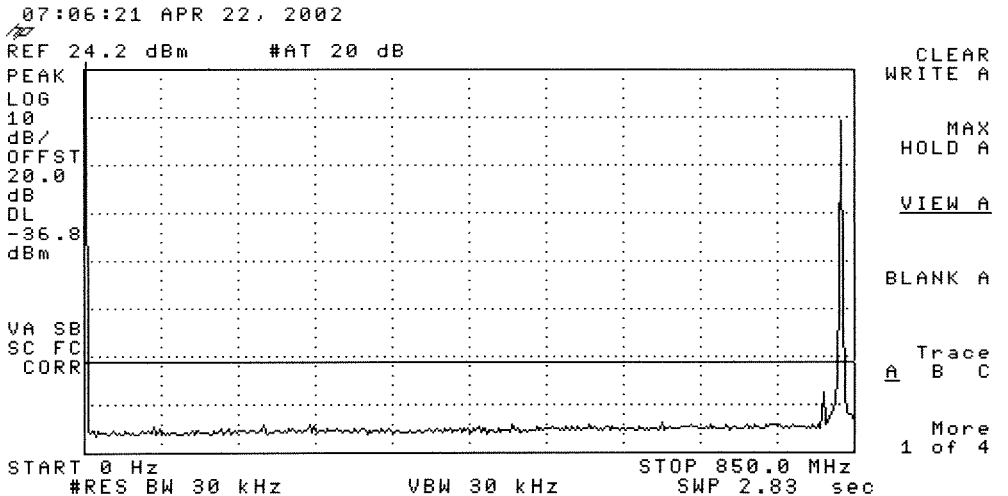
2.68 GHZ
TO
5.10 GHZ



CH 384
CELLULAR
RC3

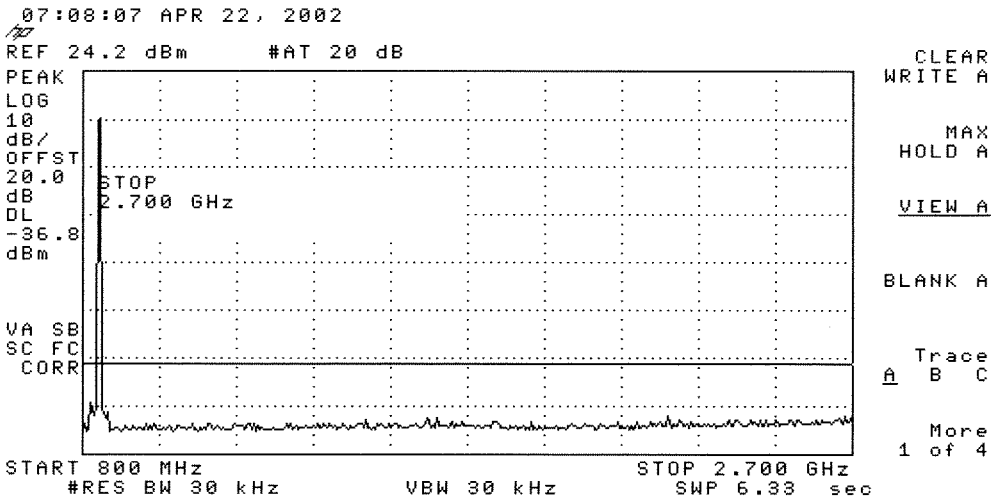
R-FCH + R-PICH

RX BAND



CH 384
CELLULAR
RC3
R-FCH+R-SCH0
+R-PCH

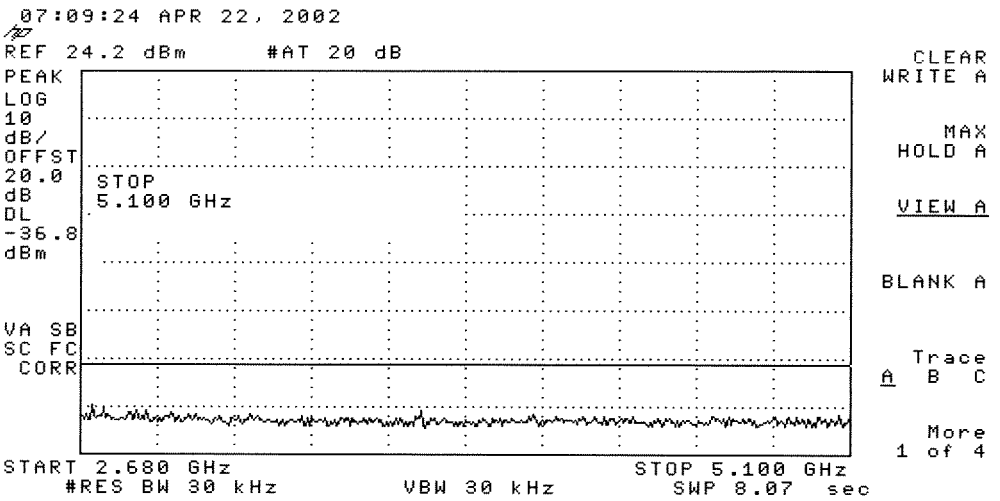
0 Hz
TO
850 MHz



CH 384
CELLULAR
RC3

R-FCH + RSCH0
+R-PICH

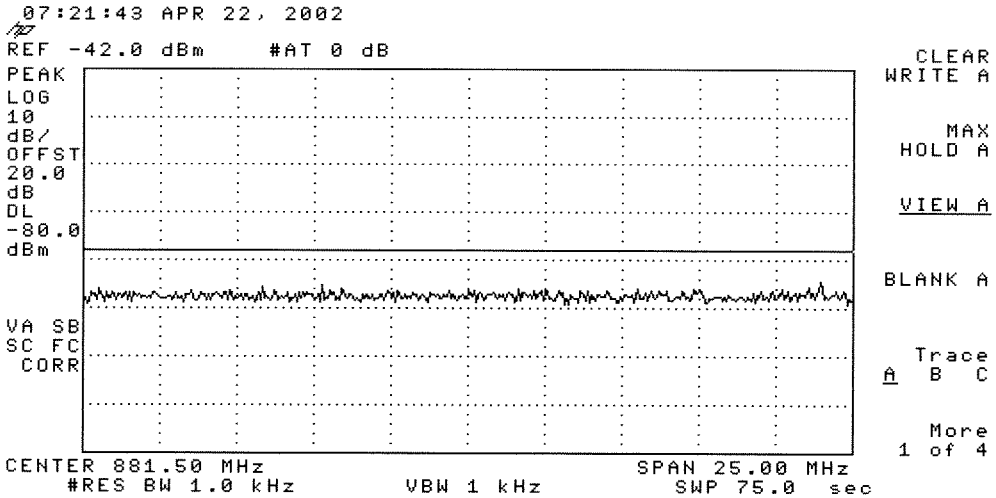
800 MHZ
TO
2.70 GHZ



CH 384
CELLULAR
RC3

R-FCH + RSCH0
+R-PICH

2.68 GHZ
TO
5.10 GHZ



CH 384
CELLULAR
RC3

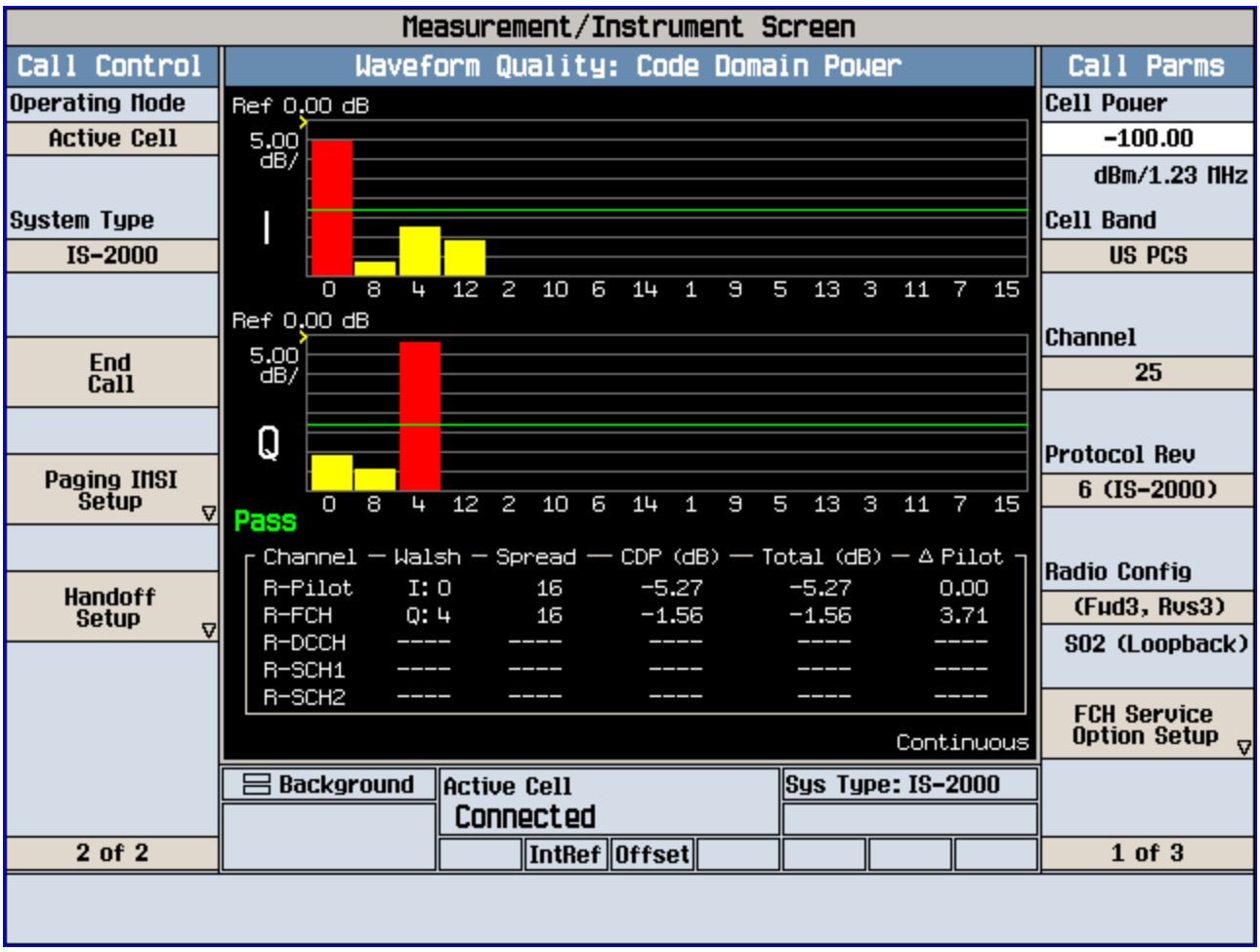
R-FCH +RSCH
+R-PICH

RX BAND

PCS Band

Ch25

The graphs of RC3 R-FCH Code Domain and RC3 R-FCH+R-SCH Code Domain are in the proceeding pages.



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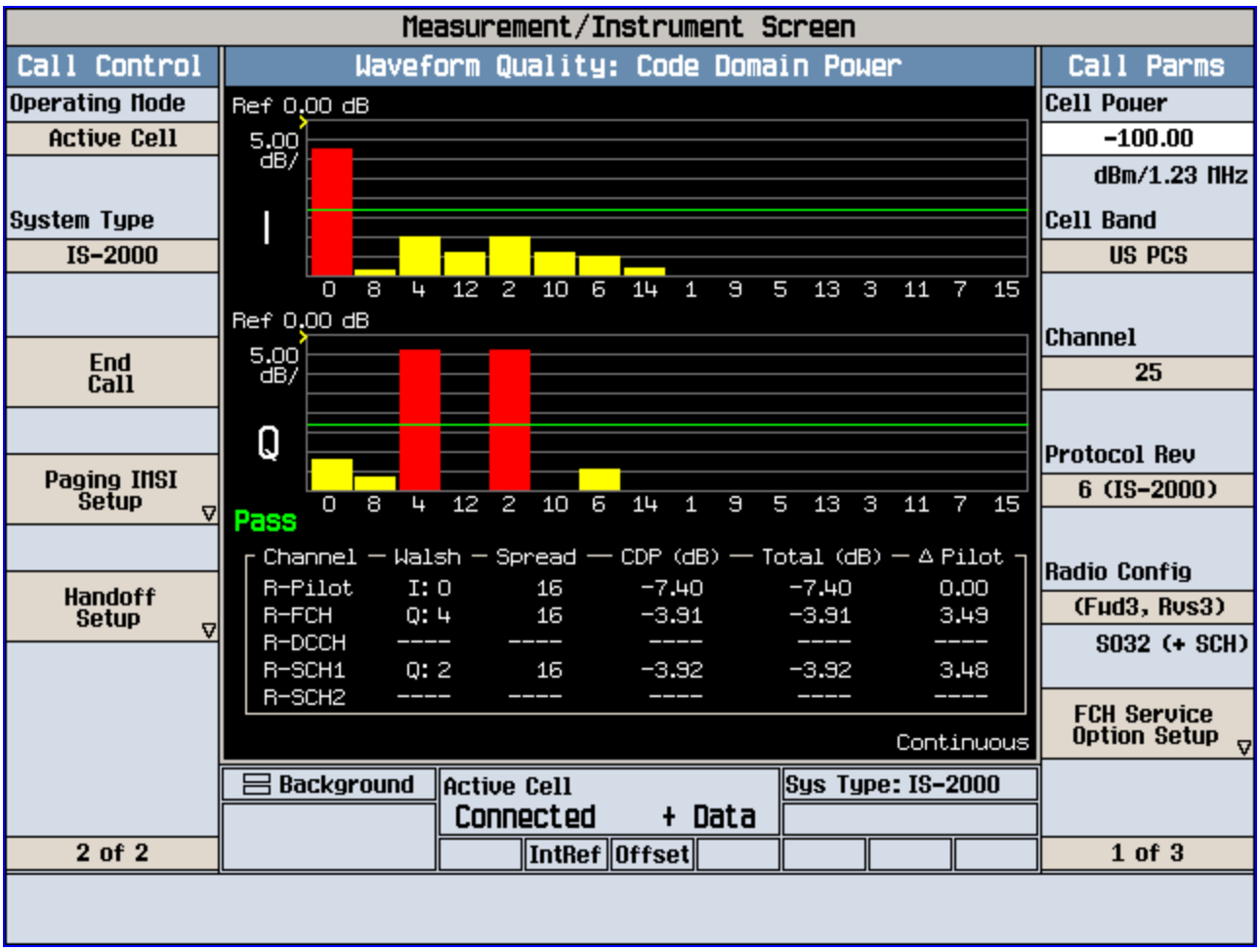

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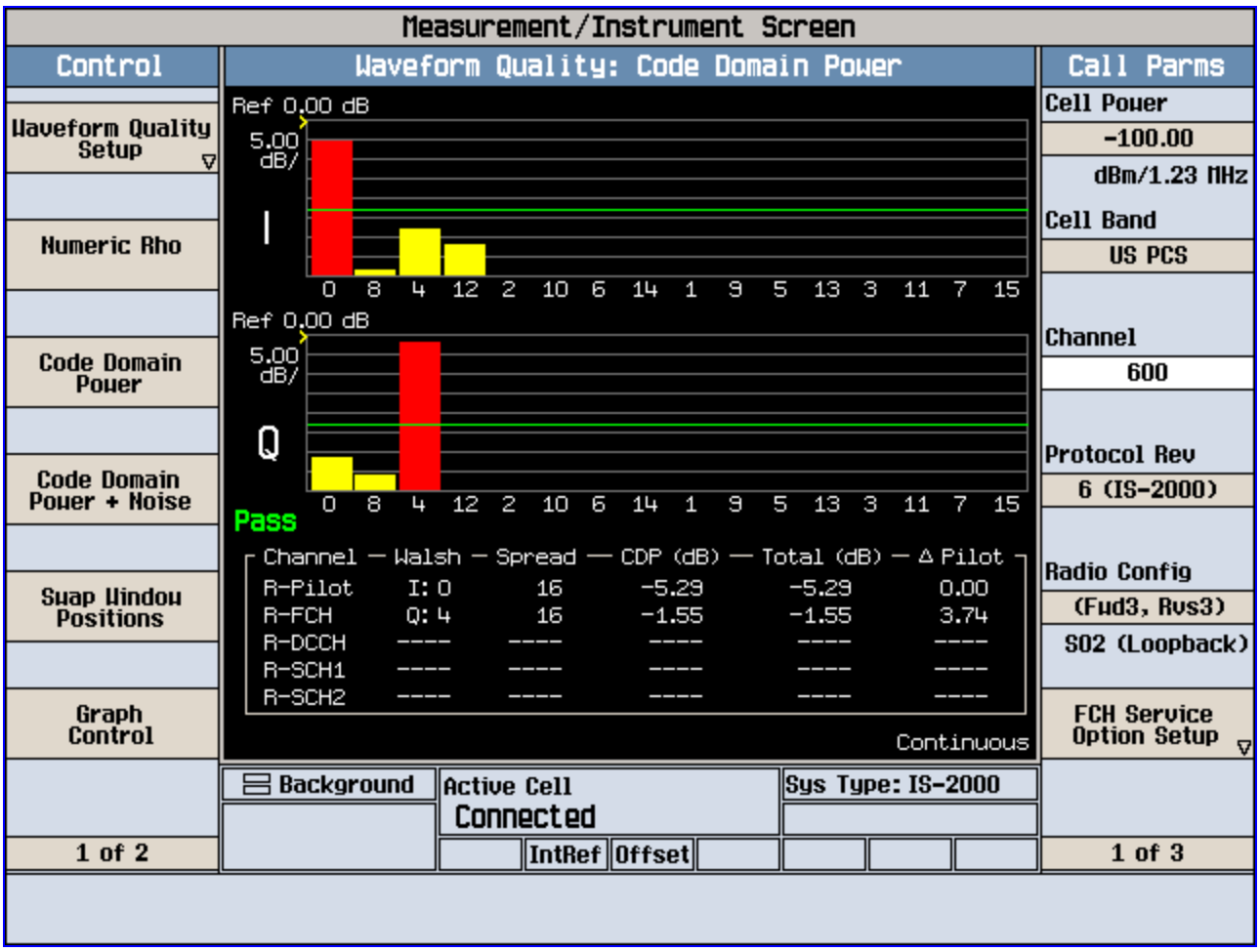

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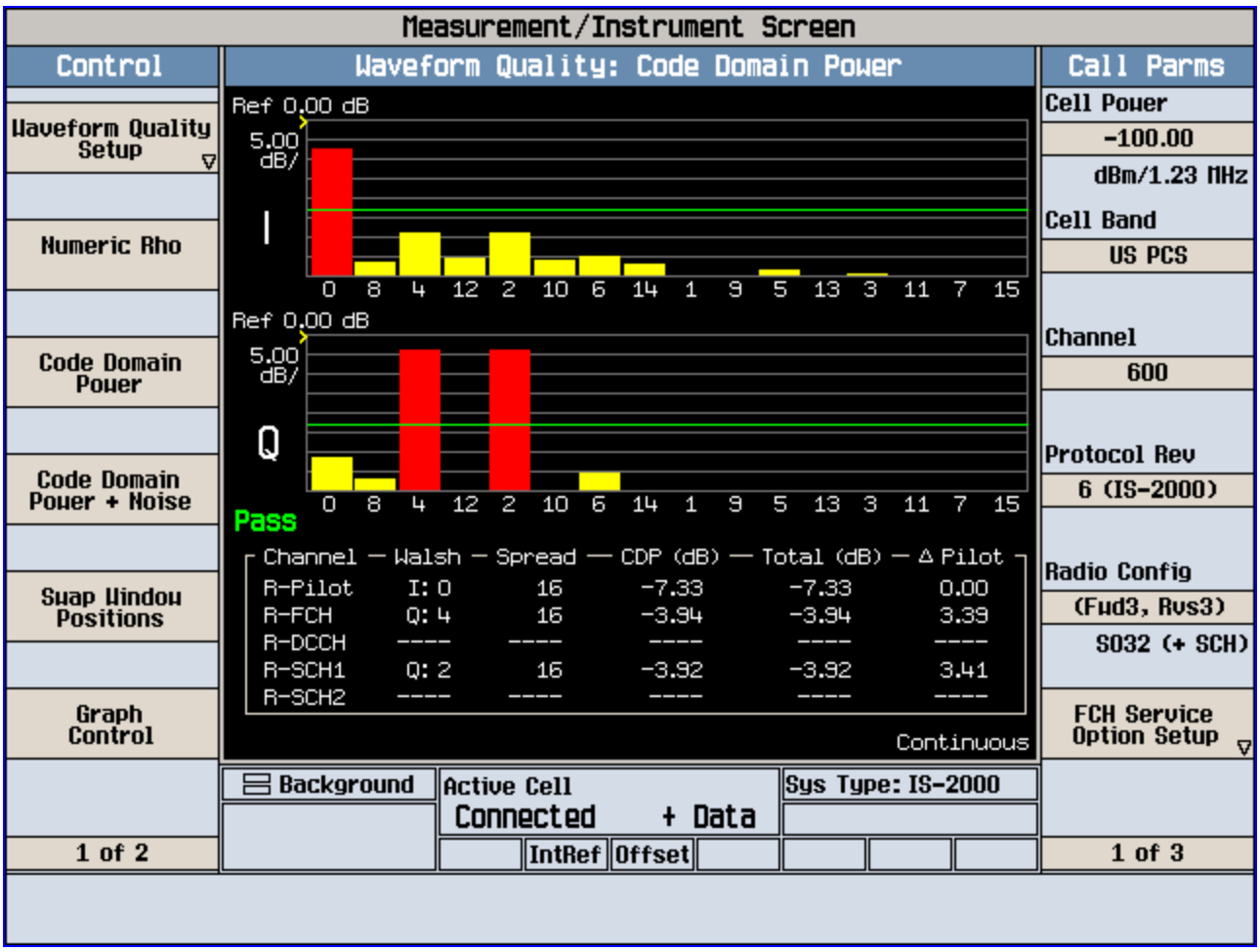

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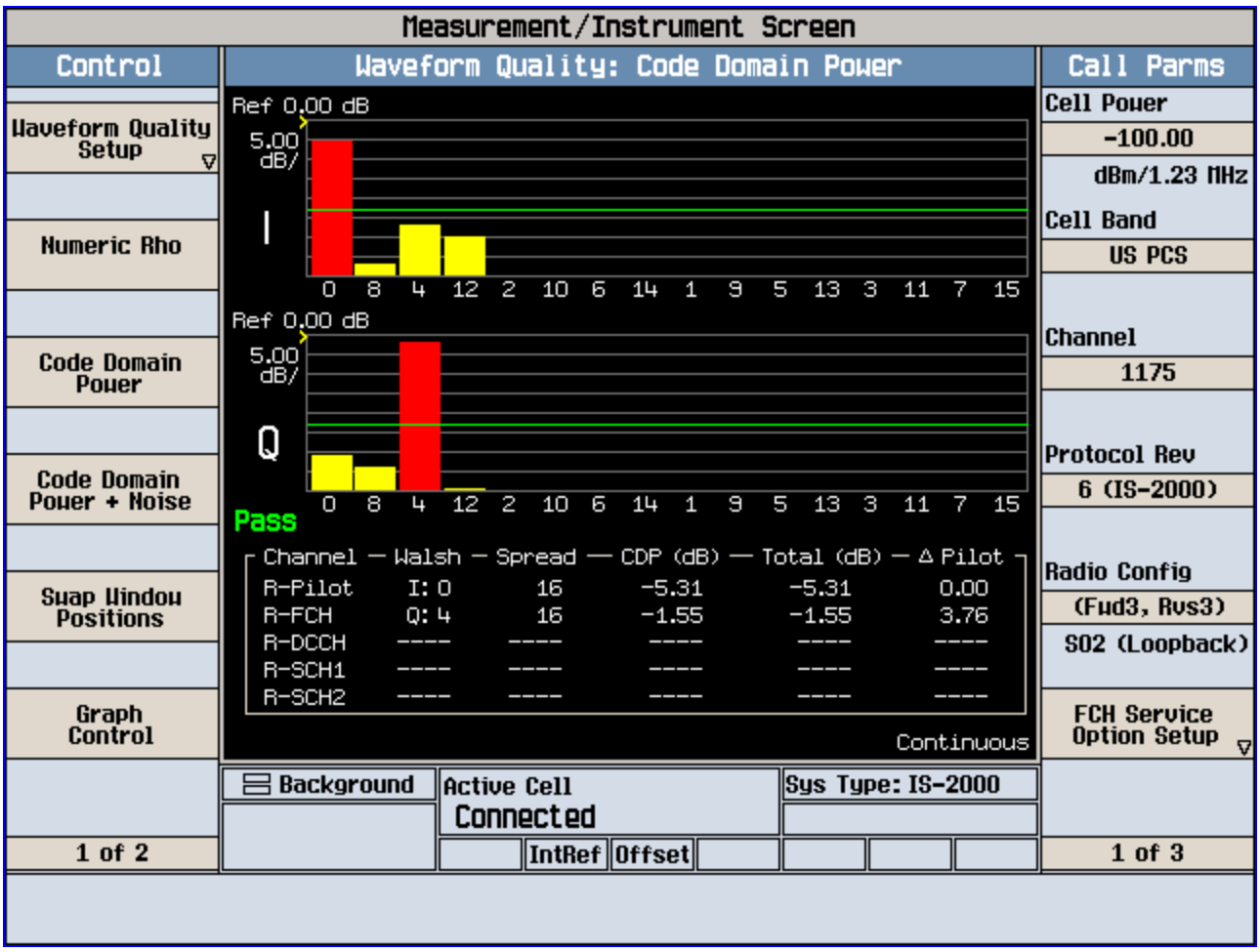

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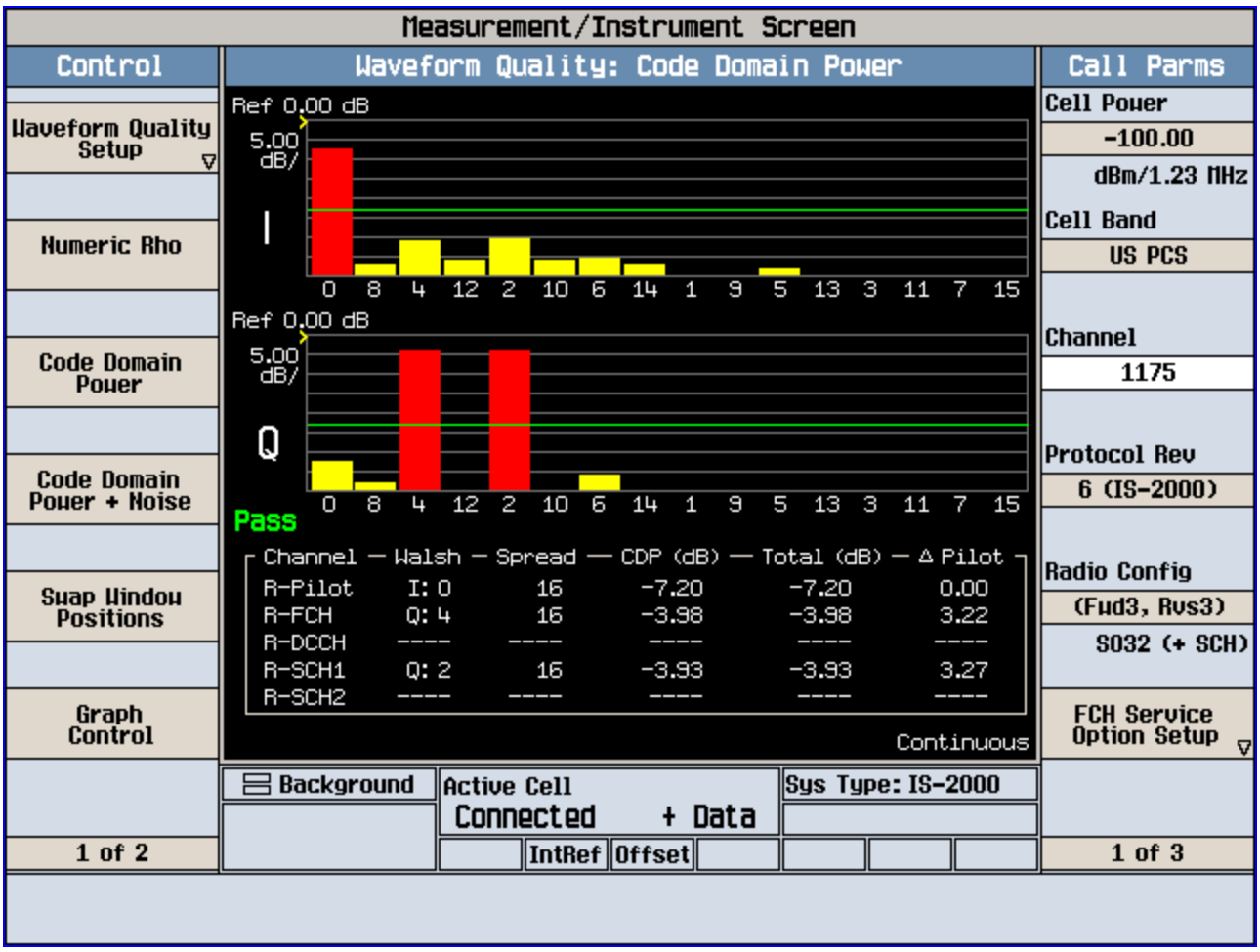

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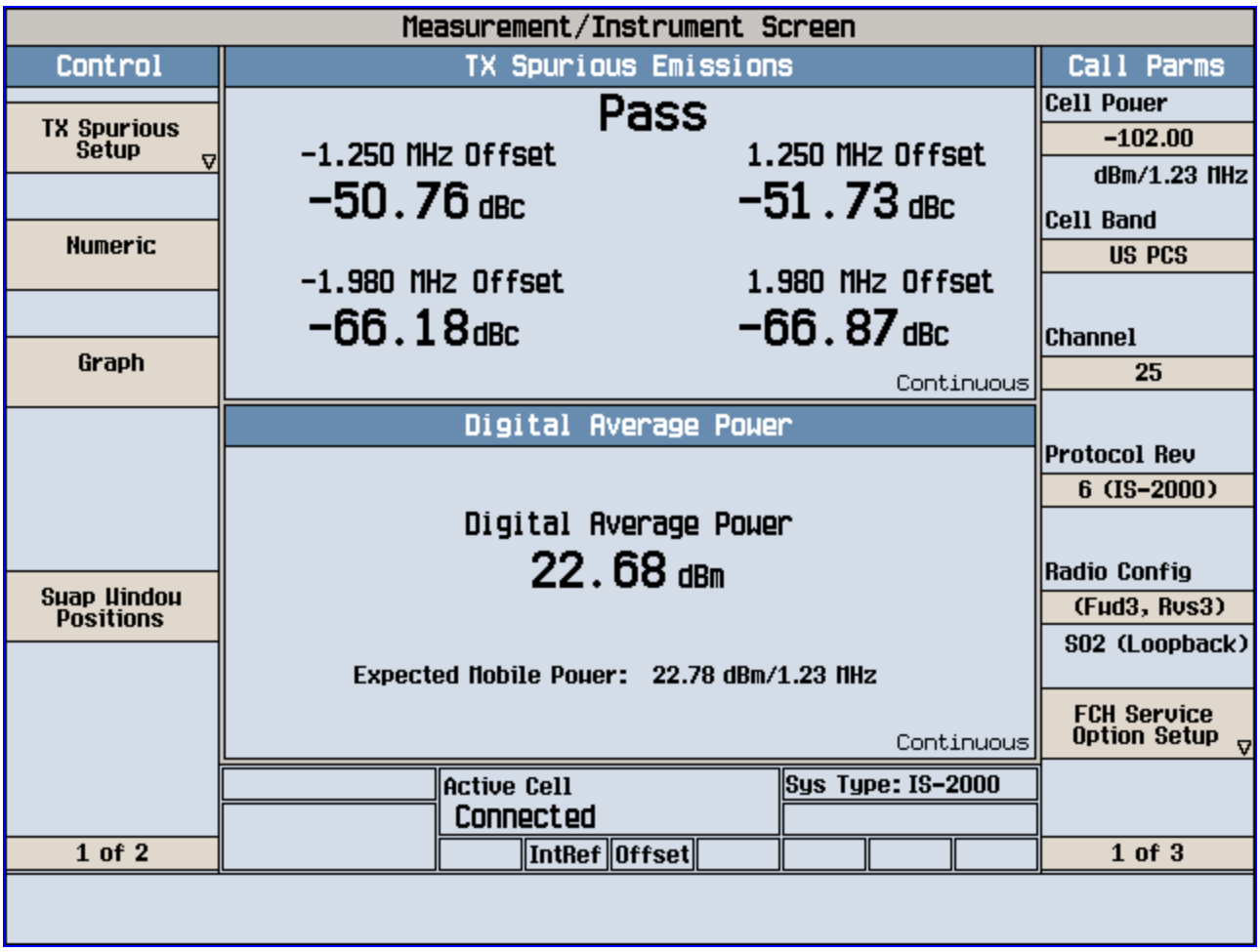
RC3 R-FCH and RC3 R-FCH+R-SCH ACPR data



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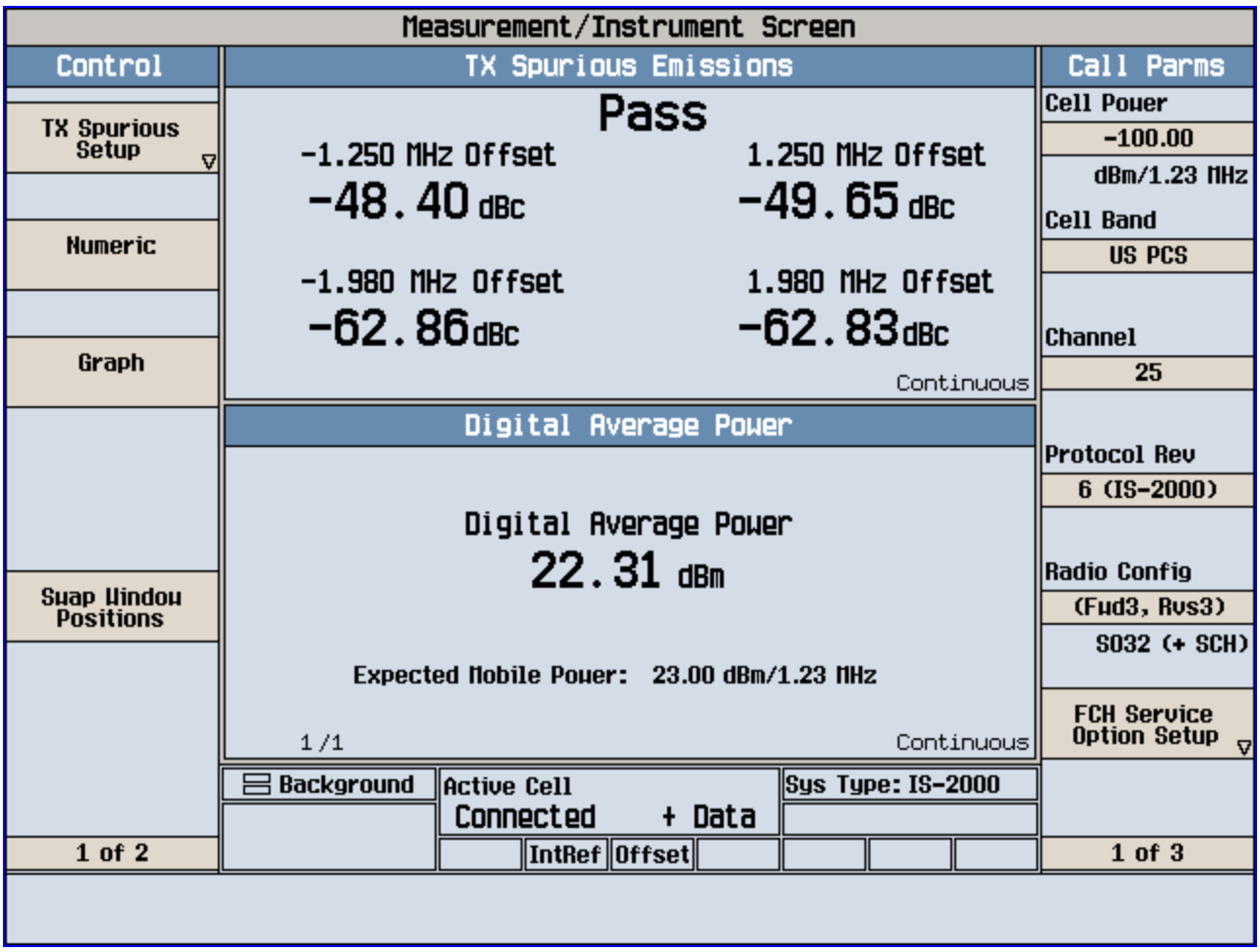

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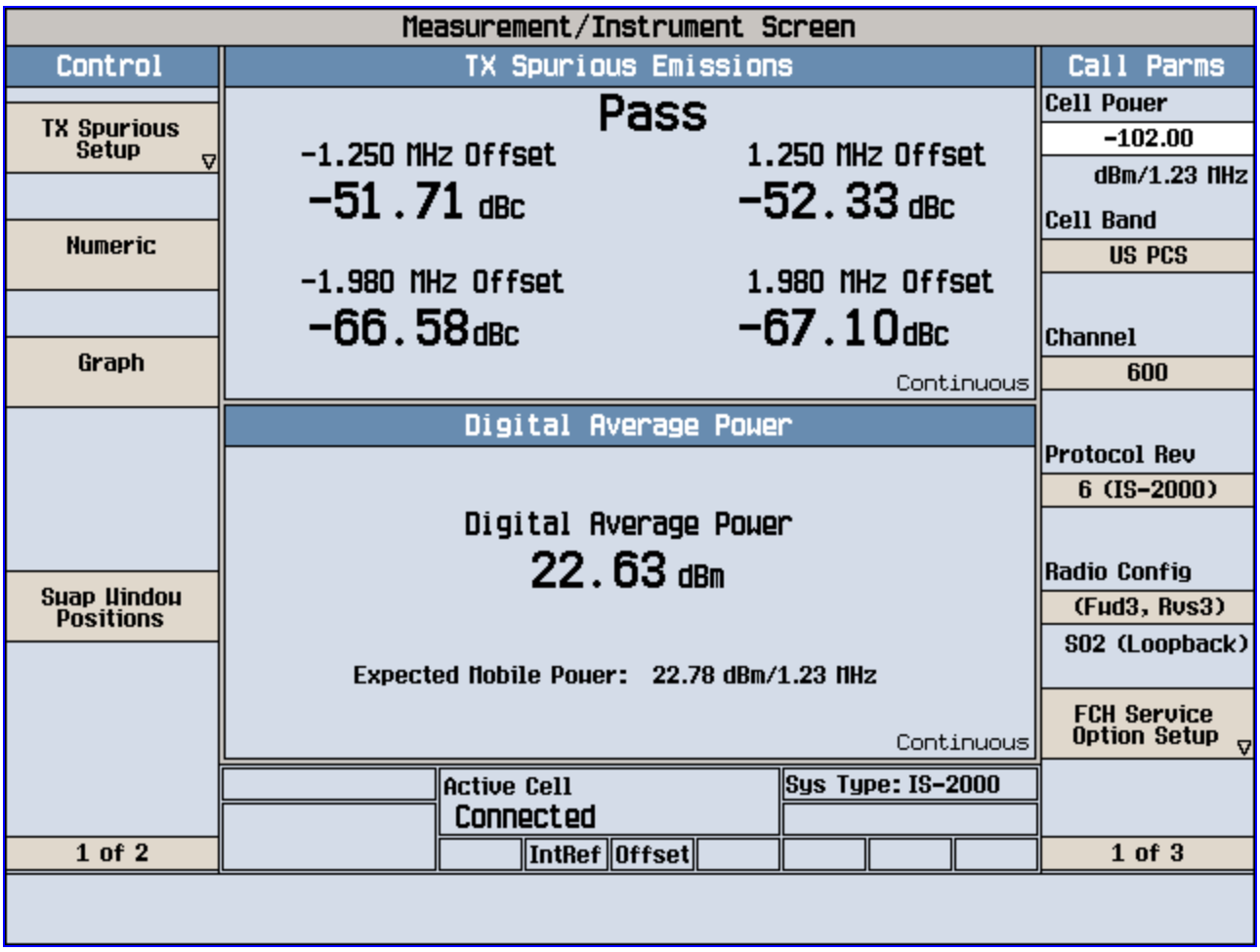

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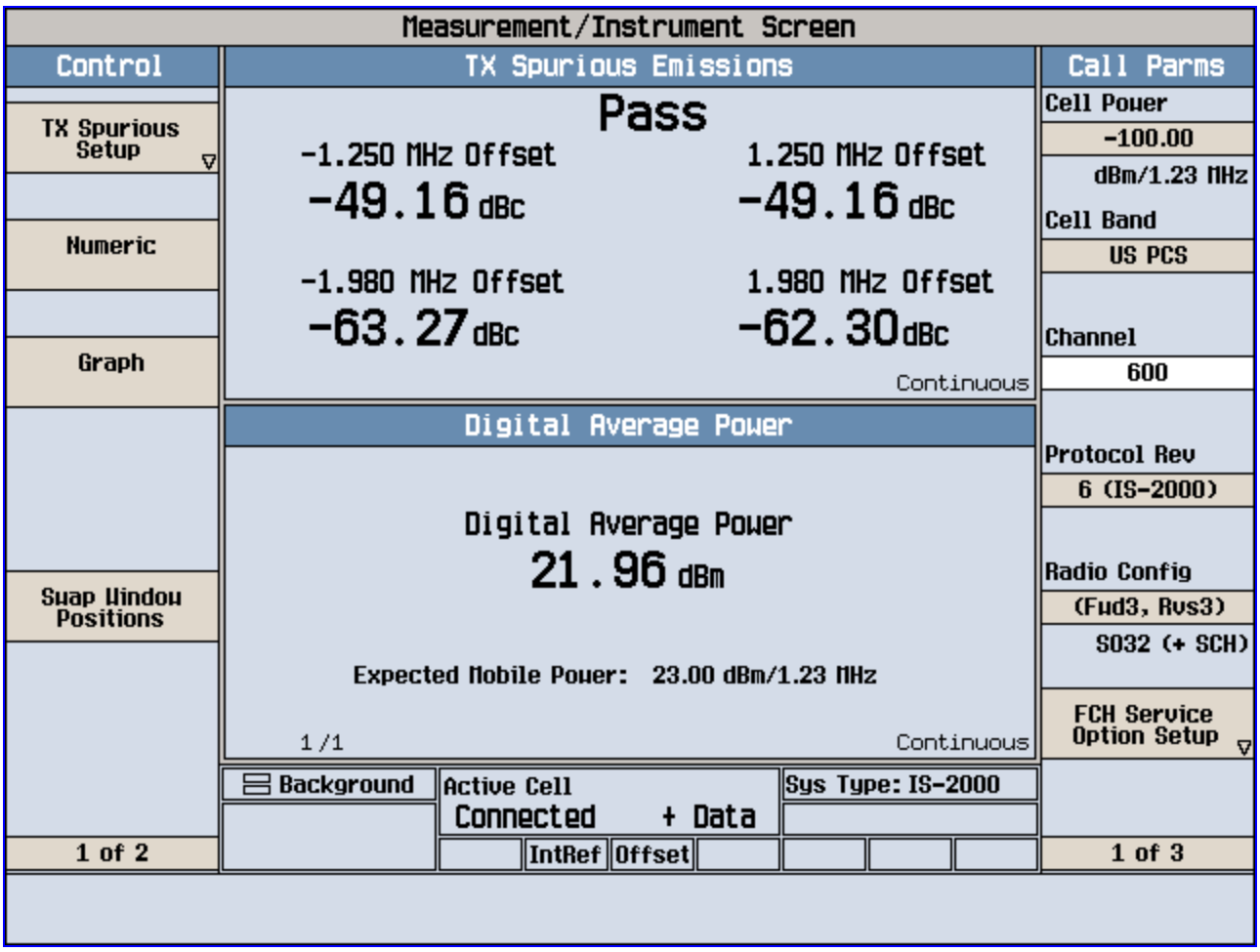

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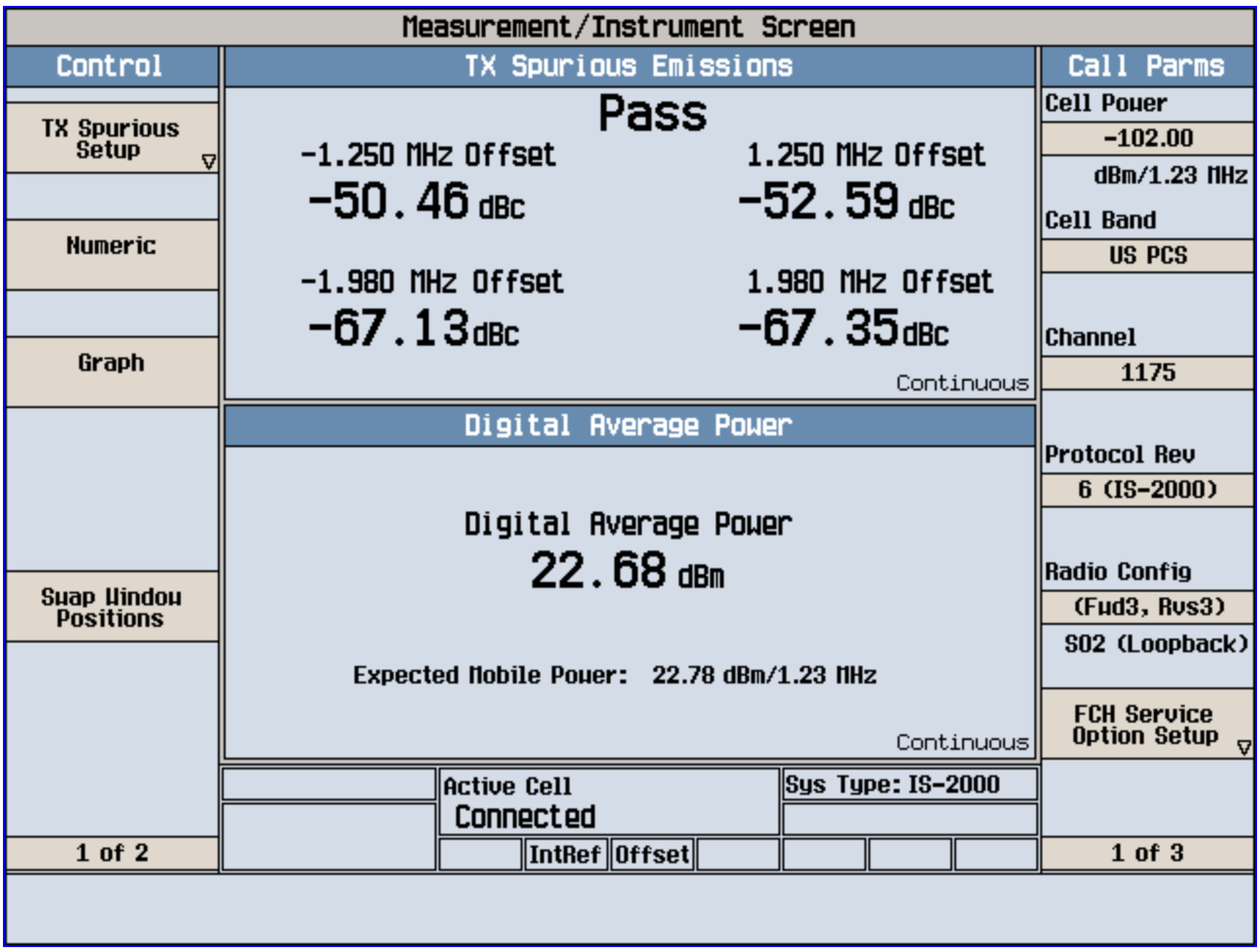

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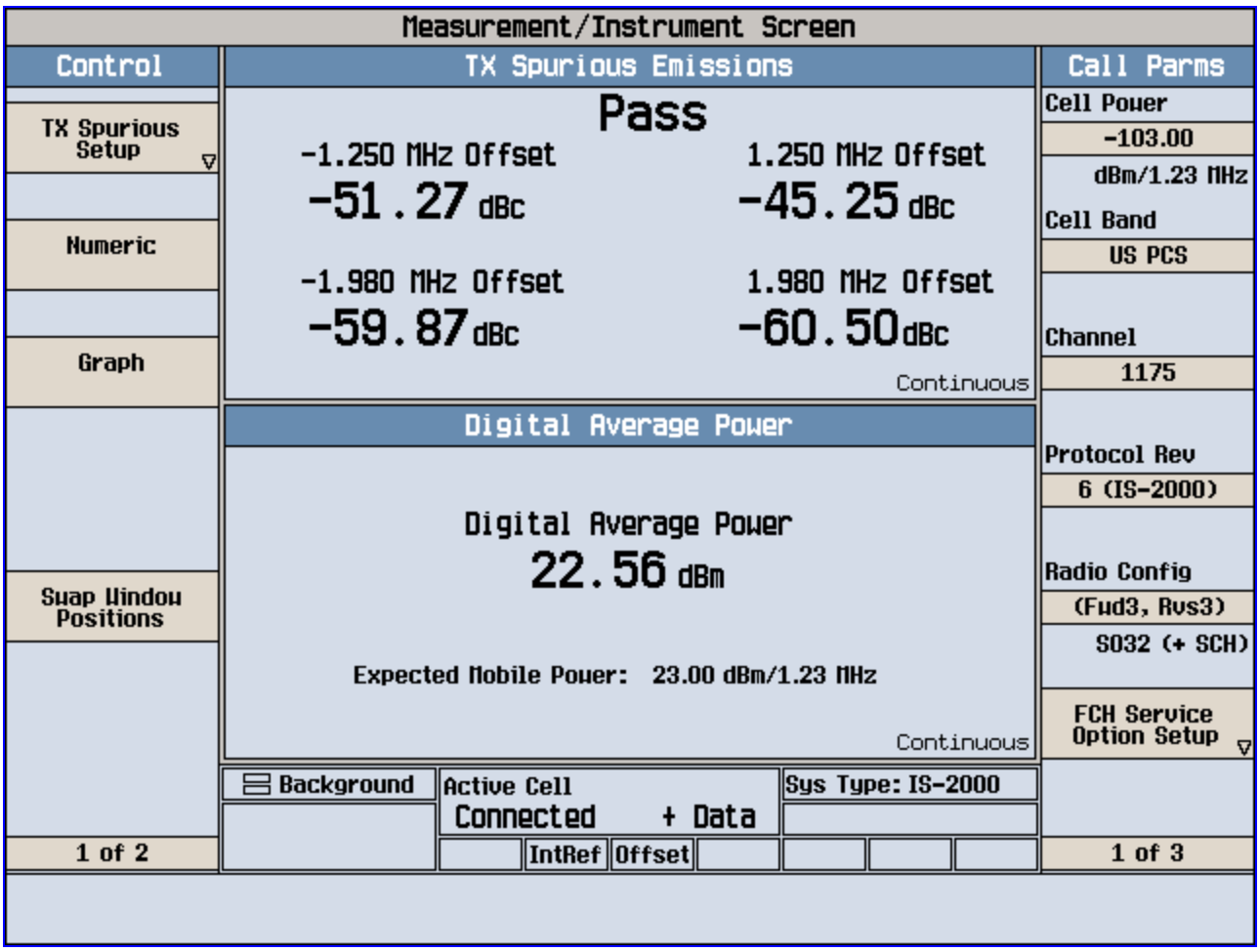
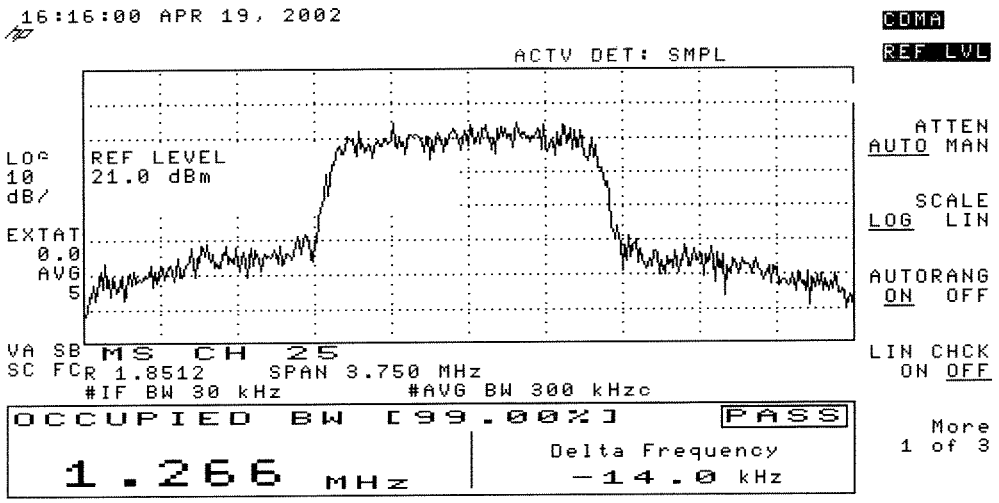


Click image to update.

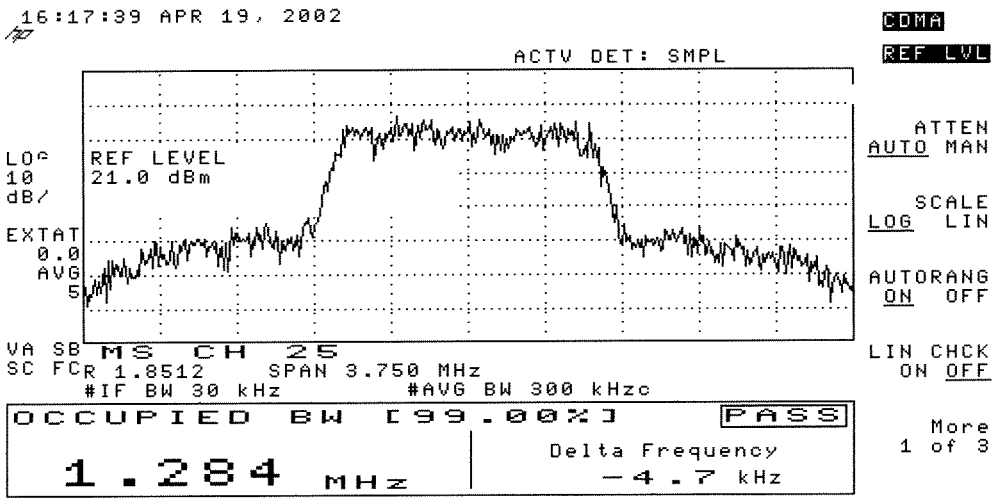
RC3 R-FCH and RC3 R-FCH+R-SCH Occupied Bandwidth

KWCORF-2325 [OBW cdma2000]

PCS
CH 25
RC3
R-FCH + R-PICH



PCS
CH 25
RC3
R-FCH + R-PICH
+ R-SCH0

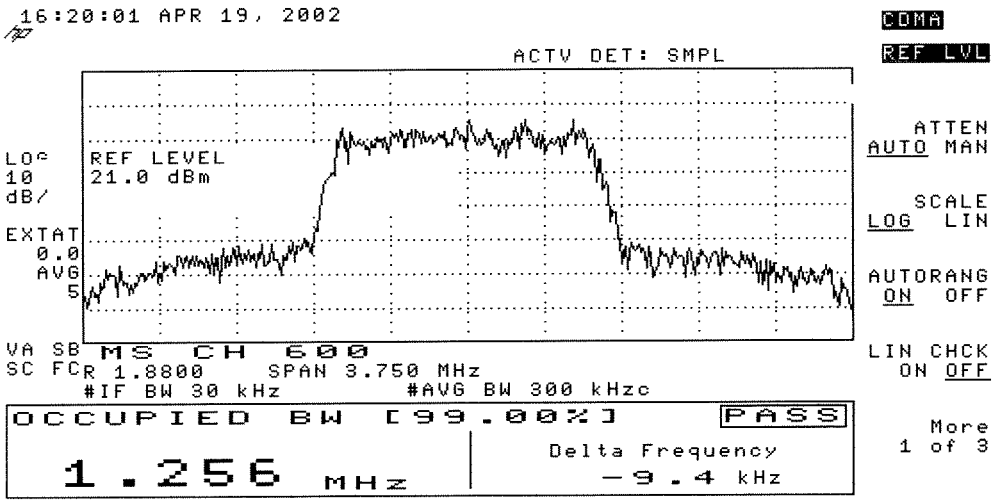


KWC-OVF-2345 [OBW cdma2000]

PCS CH 600

RC3

R-FCH+R-PICH

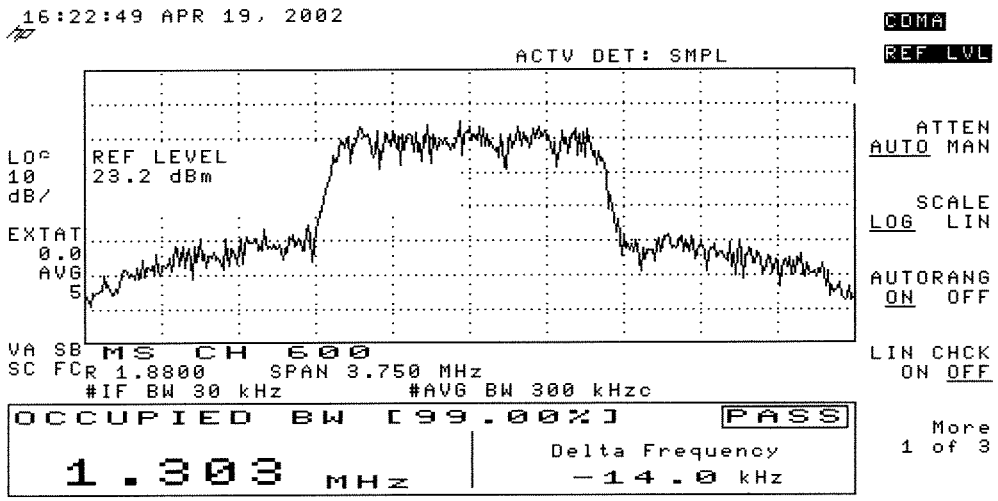


PCS CH 600

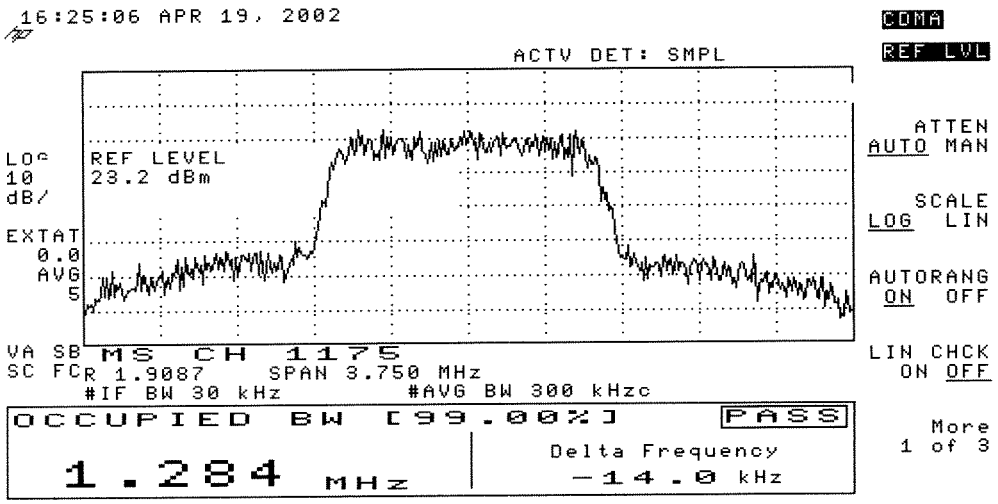
RC3

R-FCH+R-PICH

+RSCH0

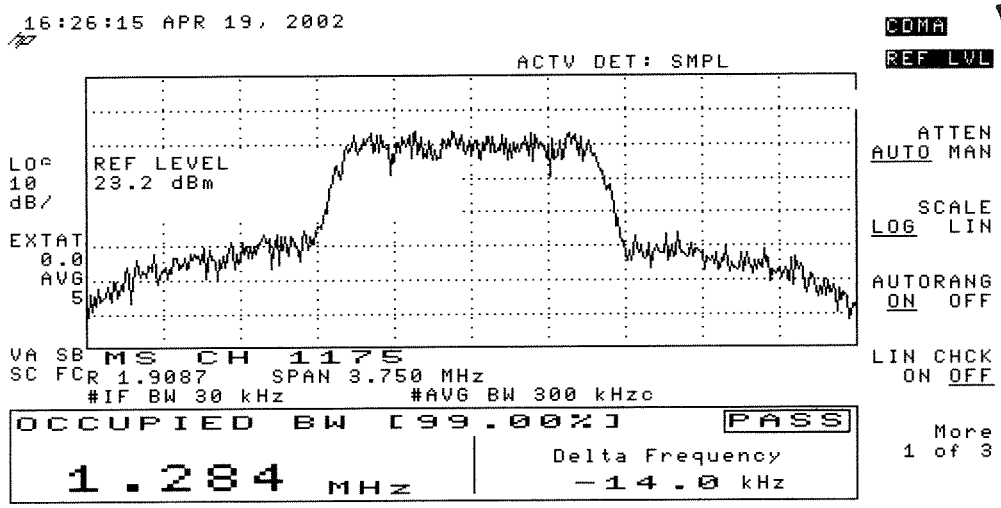


KWCOVF-231S [OBW cdma2000] PCS CH 1175



RC3

R-FCH + R-PCH

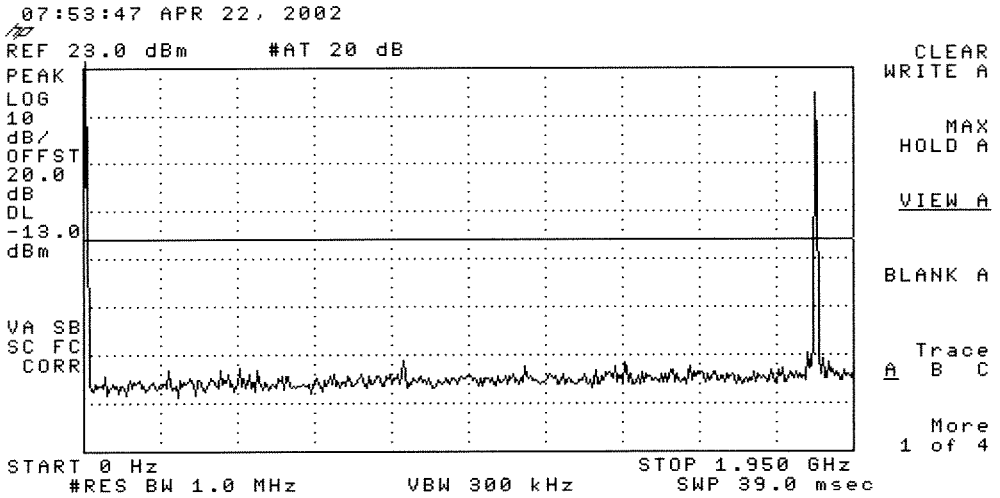


PCS CH 1175

RC3

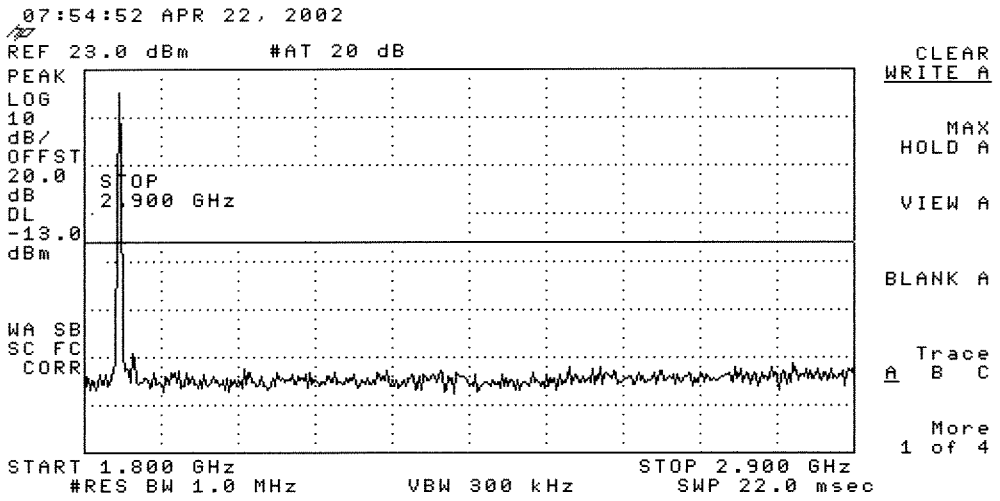
R-FCH + R-PCH + R-SCH0

RC3 R-FCH and RC3 R-FCH+R-SCH Spurious Up to 10th Harrnonics



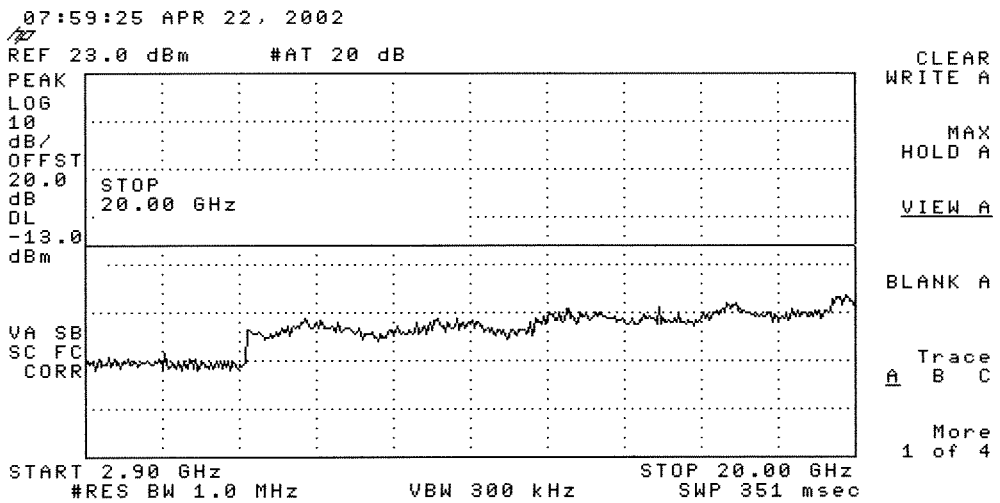
CH25
PCS
RC3
R-FCH+R-PICH

ØHZ
TO
1.95GHZ



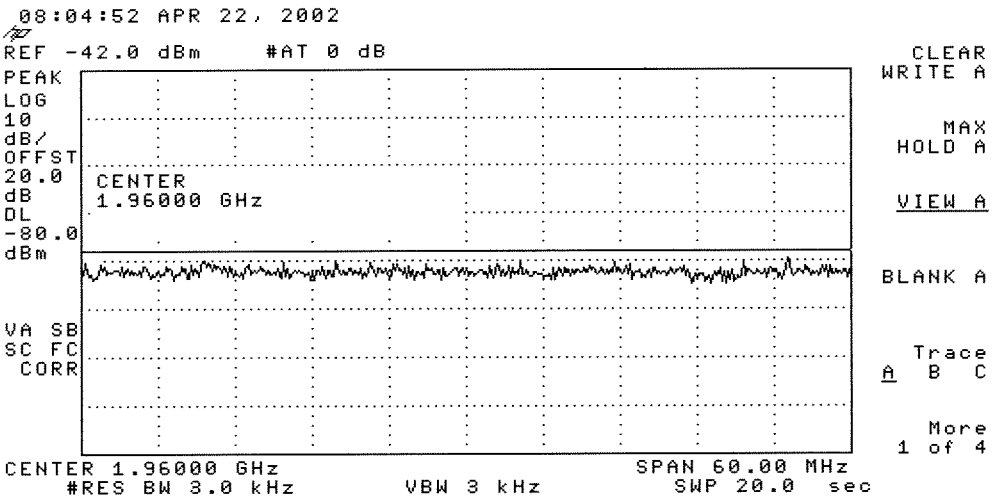
CH25
PCS
RC3
R-FCH + R-PICH

1.8ØGHZ
TO
2.9ØGHZ



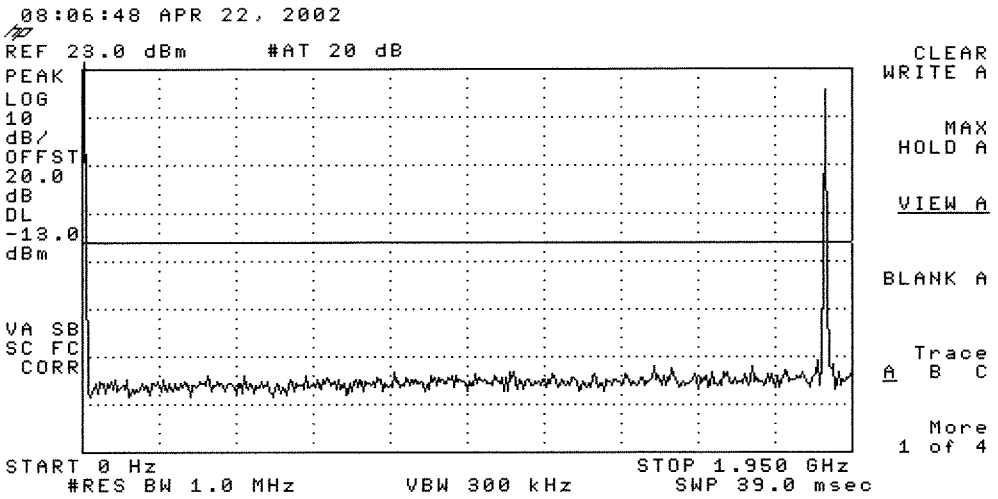
CH25
PCS
RC3
R-FCH+R-PICH

2.9ØGHZ
TO
2ØØGHZ



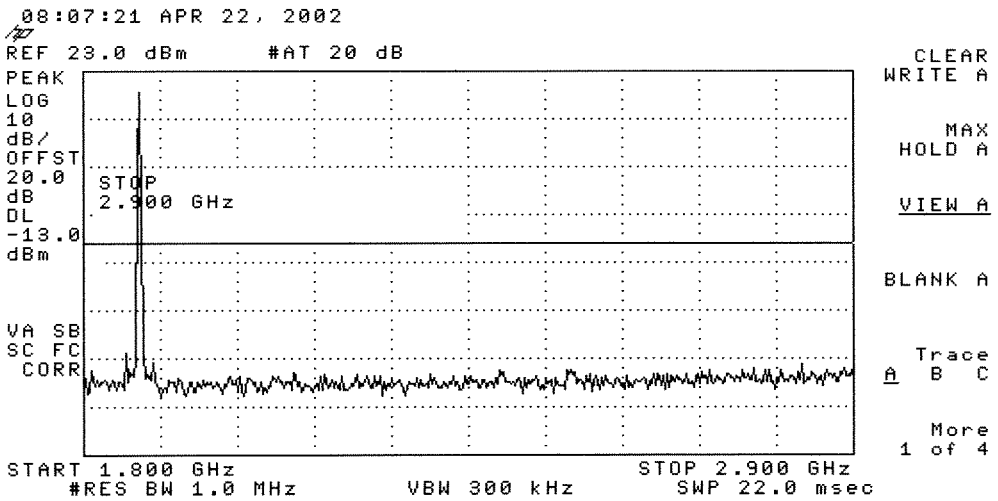
CH 25
PCS
RC3
R-FCH + R-PICH

RX BAND



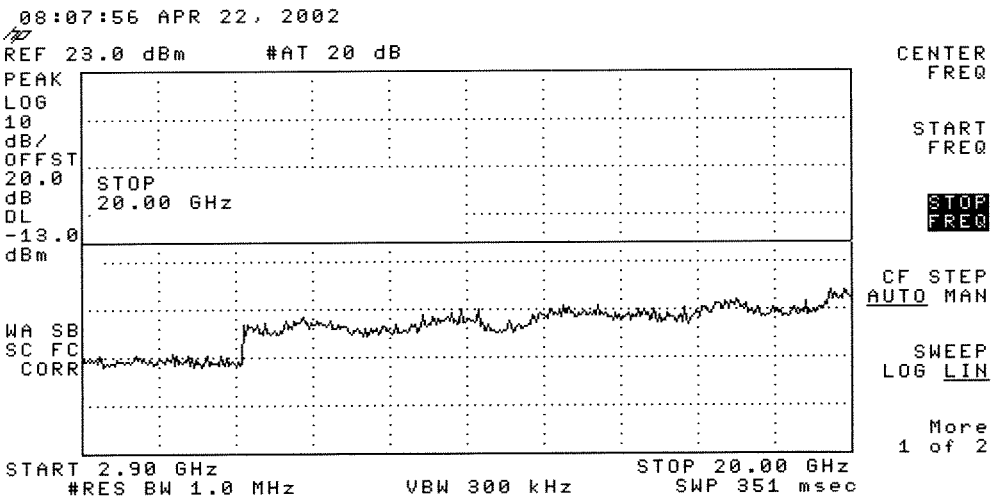
CH 600
PCS
RC3
R-FCH + R-PICH

0 HZ
TO
1.95 GHZ

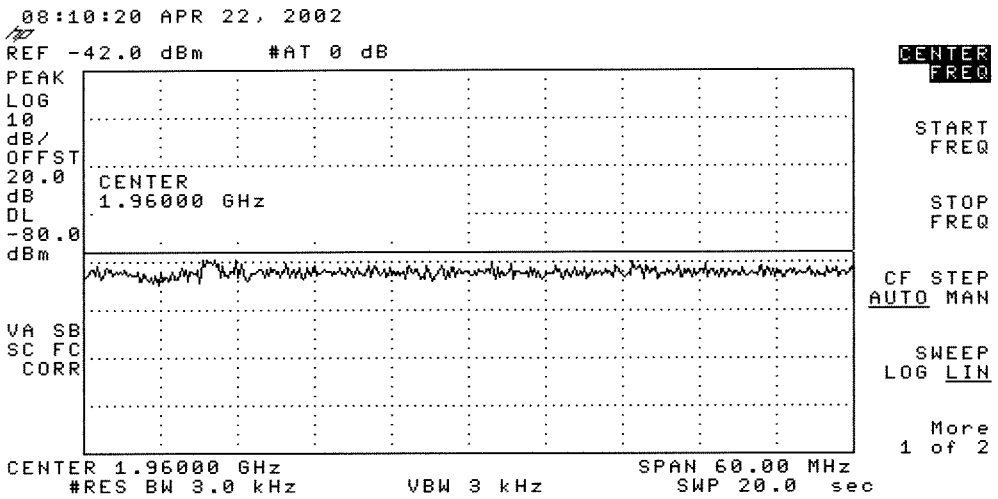


CH 600
PCS
RC3
R-FCH + R-PICH

1.80 GHZ
TO
2.90 GHZ

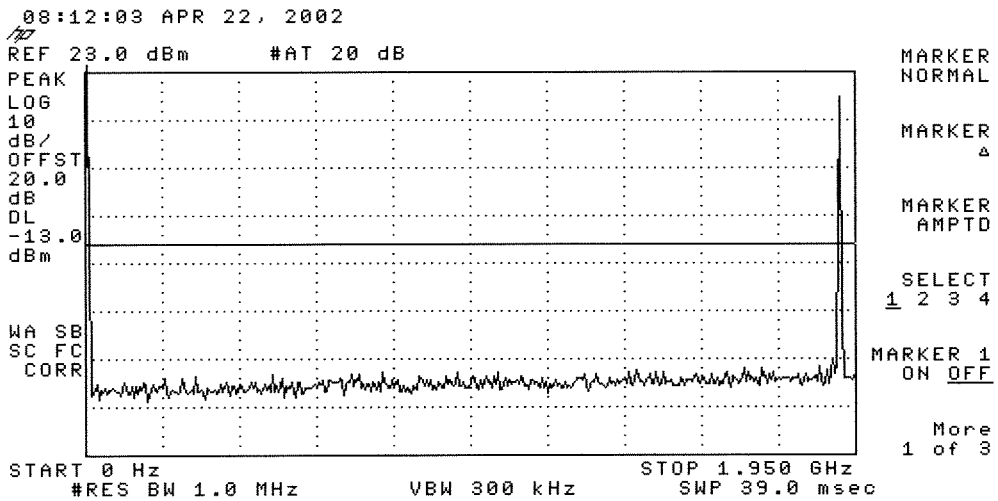


CH 600
PCS
RC3
R-FCH + R-PICH
2.90 GHZ
TO
20.0 GHZ

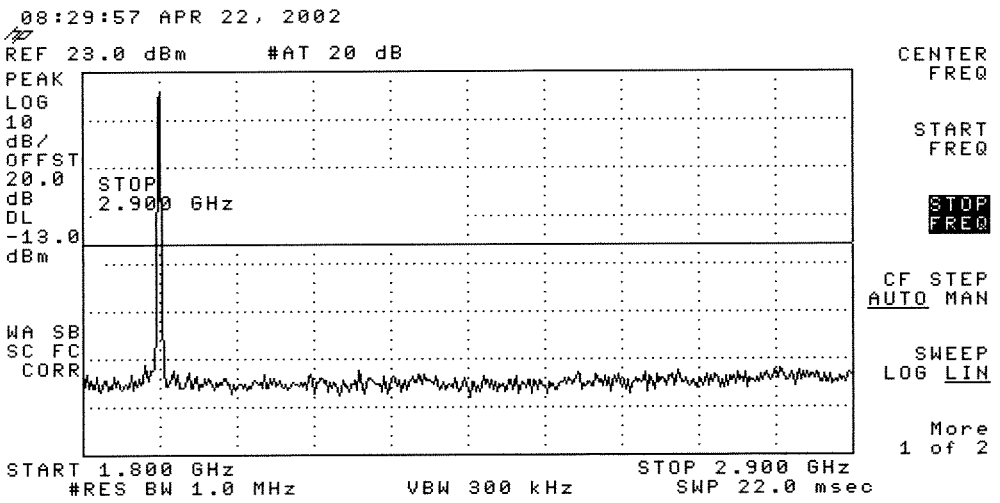


CH 600
PCS
RC3
R-FCH + R-PICH

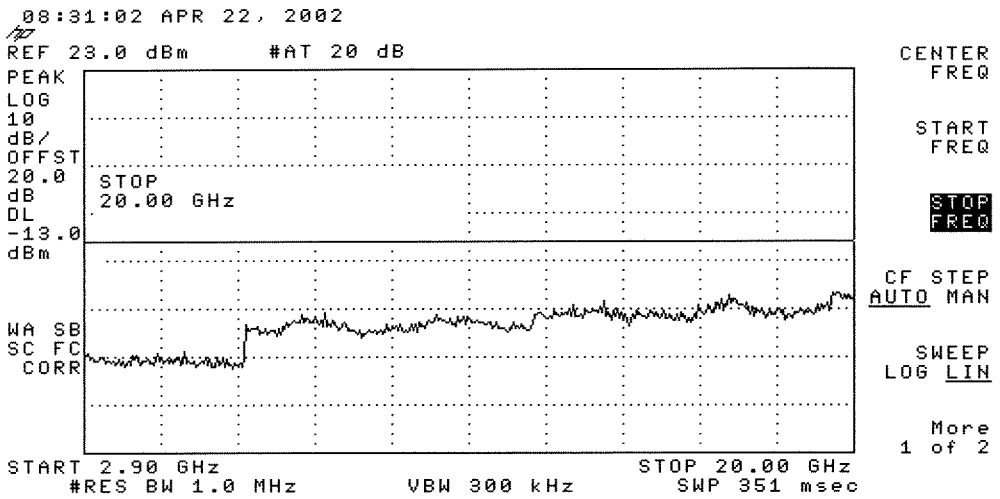
RX BAND



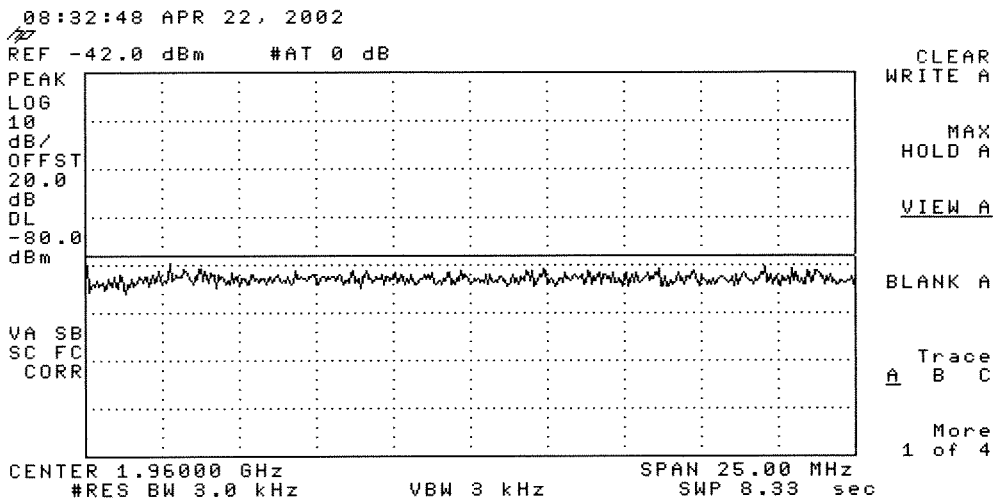
CH 1175
PCS
RC3
R-FCH + R-PICH
0 HZ
TO
1.95GHZ



CH 1175
PCS
RC3
R-FCH + R-PCH
1.800 GHz
TO
2.900 GHz

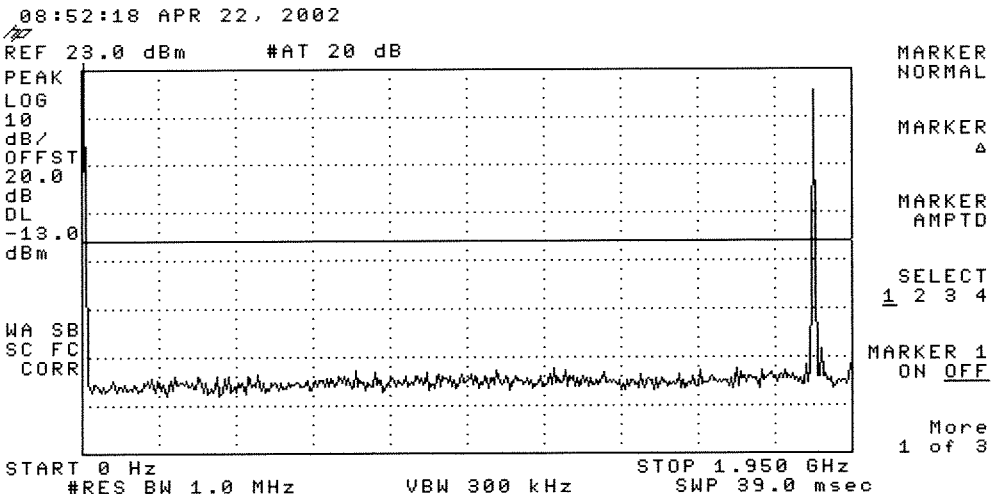


CH 1175
PCS
RC3
R-FCH + R-PCH
2.900 GHz
TO
20.00 GHz

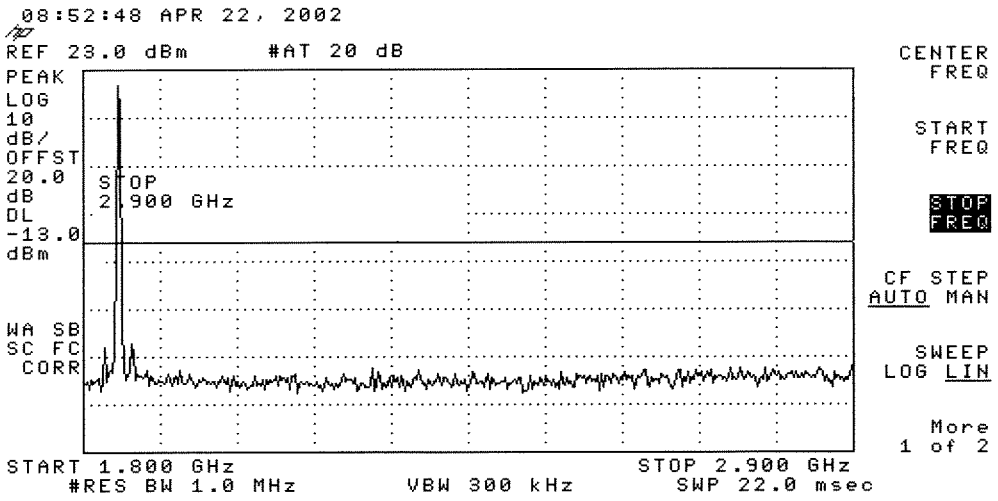


CH 1175
PCS
RC3
R-FCH + R-PICH

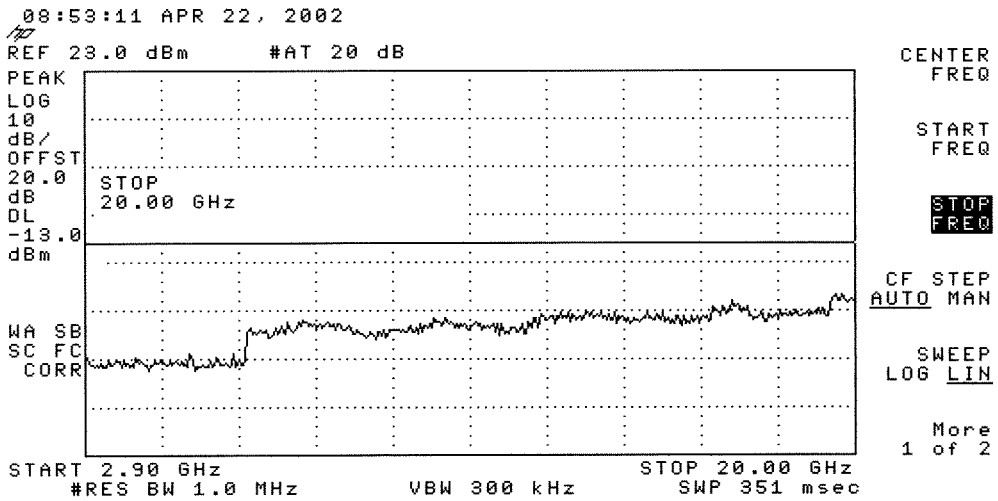
Rx Band



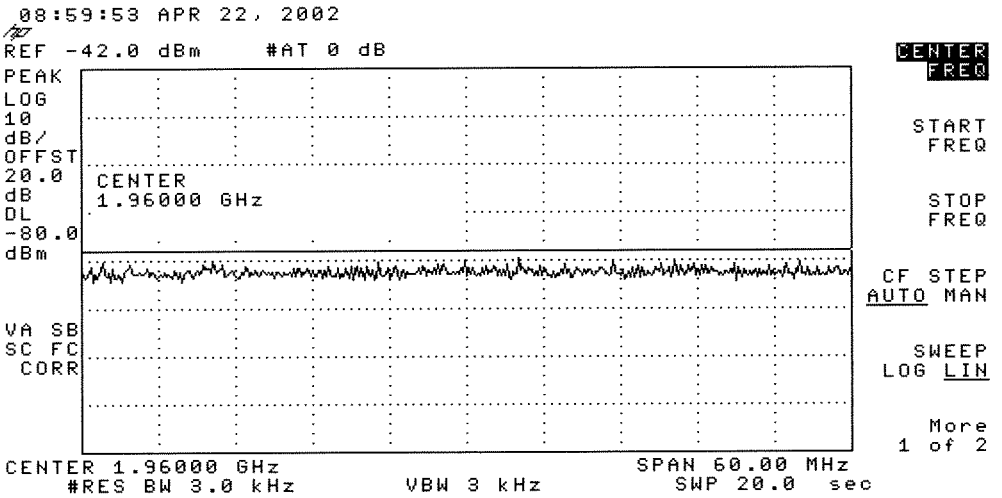
CH 25
PCS
RC3
R-FCH + RSCH0
+R-PICH
0 HZ TO
1.95 GHZ



CH 25
PCS
RC3
R-FCH + RSCH0
+R-PICH
1.80 GHZ
TO
2.90 GHZ

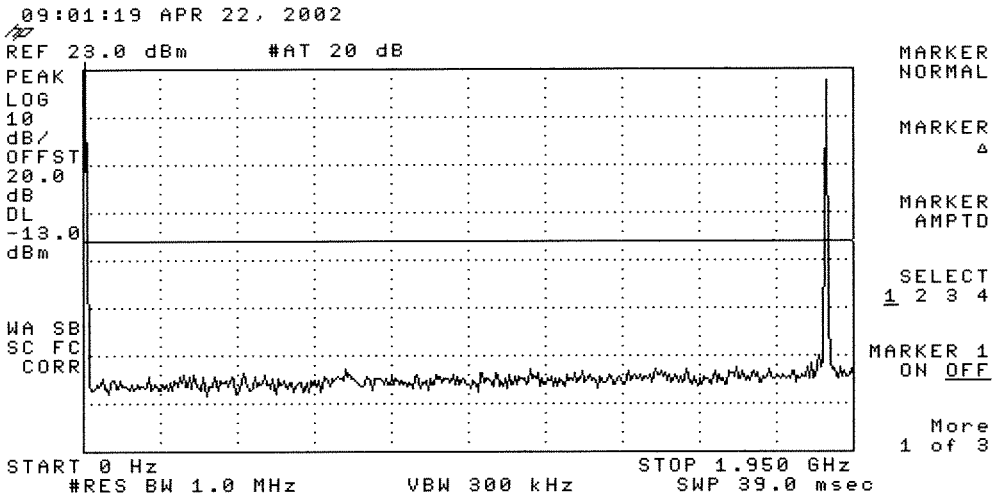


CH 25
PCS
RC3
R-FCH + RSCH0
+R-PICH
2.90 GHZ
TO
20.0 GHZ



CH 25
PCS
RC3
R-FCH + RSCH Ø
+ R-PICH

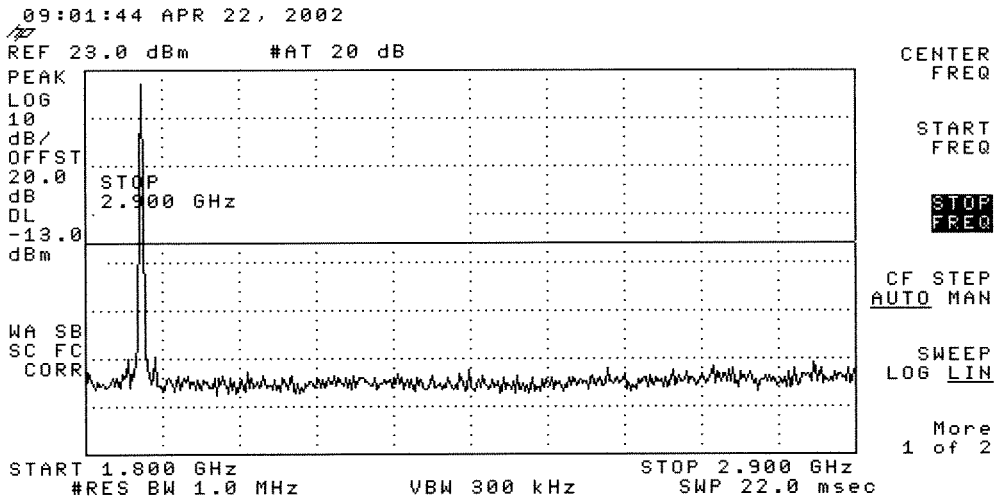
RX BAND



CH 600
PCS
RC3

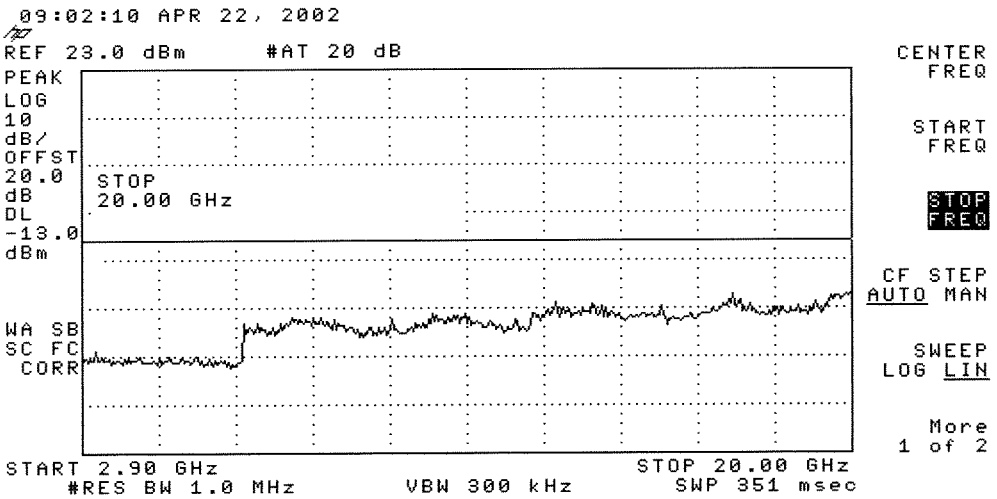
R-FCH + RSCH Ø
+ R-PICH

Ø HZ
TO
1.95 GHZ

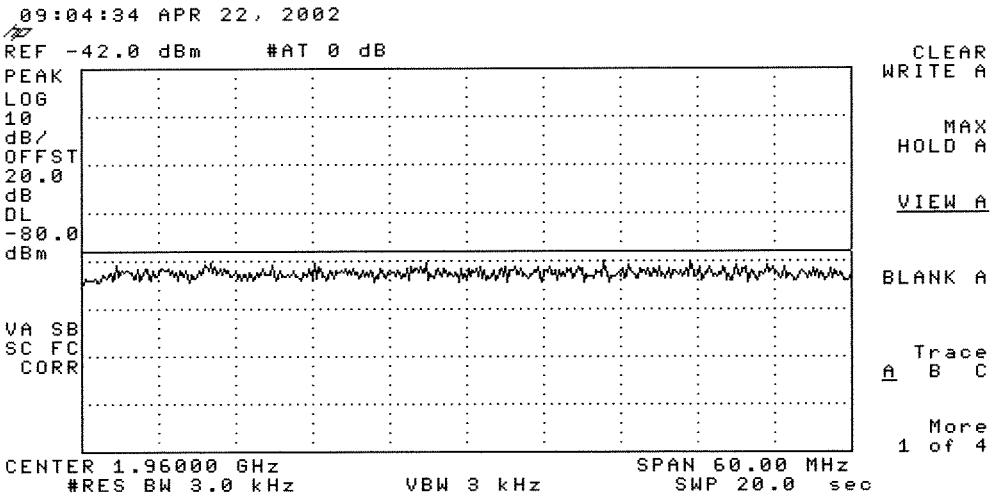


CH 600
PCS
RC3
R-FCH + RSCH Ø
+ R-PICH

1.8 GHZ
TO
2.9 Ø GHZ

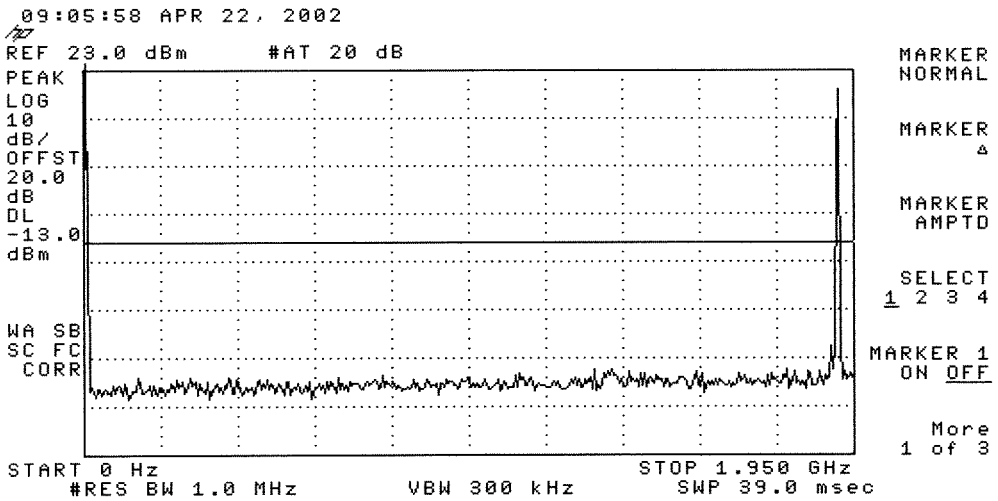


CH 600
PCS
RC3
R-FCH + R-SCH Ø
+ R-PICH



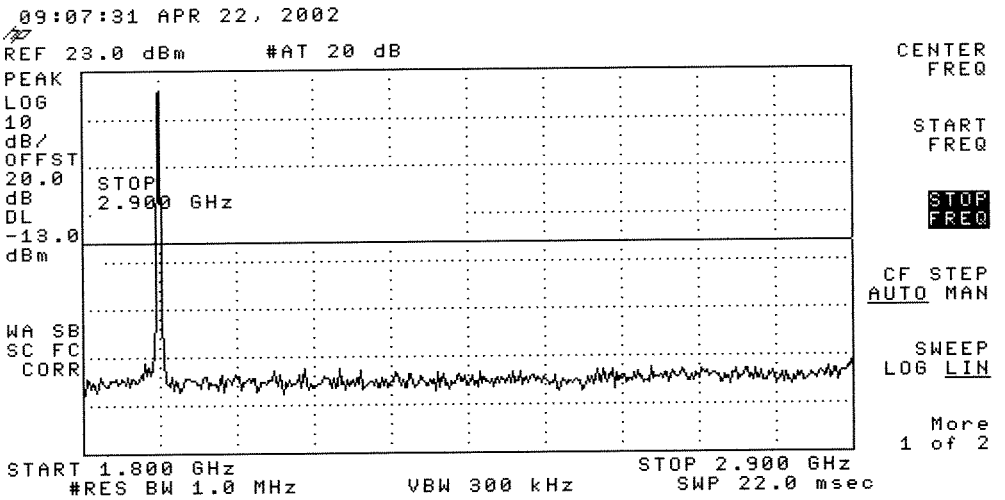
CH 600
PCS
RC3
R-FCH + R-SCH Ø
+ R-PICH

RX BAND



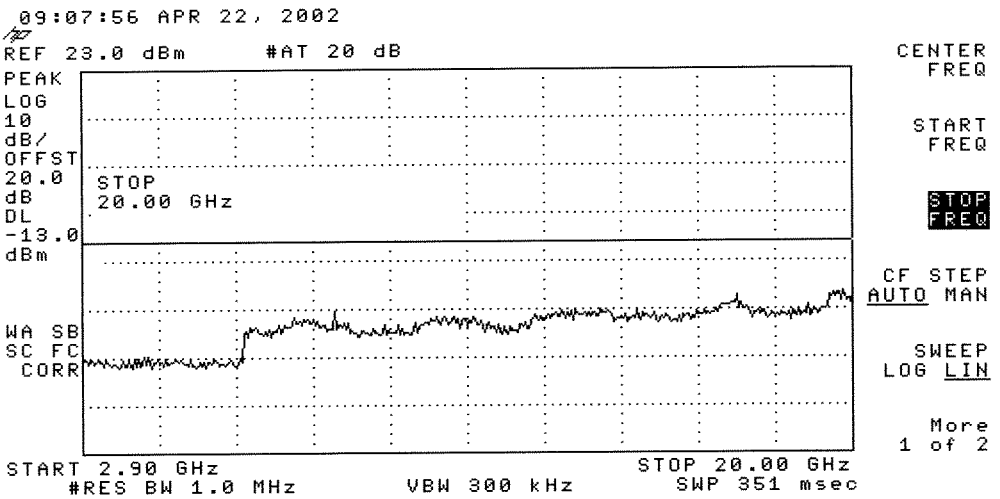
CH 1175
PCS
RC3
R-FCH + R-SCH Ø
+ R-PICH

Ø HZ TO
1.95 GHZ



CH 1175
PCS
RC3
R-FCH + R-SCH0
+ R-PICH

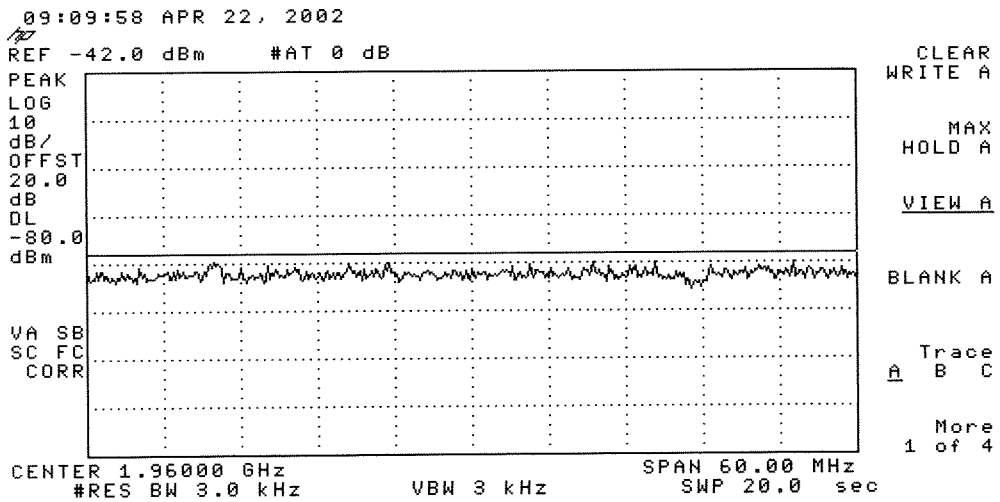
1.80GHz TO
2.90GHz



CH 1175
PCS
RC3

R-FCH + RSCH0
+R-PICH

2.90GHz
TO
20.0GHz



CH 1175
PCS
RC3
R-FCH + RSCH0
+R-PICH

RX BAND