

Exhibit 24Occupied Bandwidth and Spurious Emission Measured Data --
for CDMA mode when operating in P_REV 6 or above

KWC-2345 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-2345
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-2345 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-2345 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-2345 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-2345 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-2345 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-2345 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-2345 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-2345 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 $ \Delta f $ 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 $|\Delta f|$ 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 $ \Delta f $ 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)	$-[13 + 1 \times (\Delta f - 2.25 \text{ MHz})] \text{ dBm} / 1 \text{ MHz}$
> 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 -36 dBm / 1 MHz; 1 GHz < f < 12.75 GHz

Note: All frequencies in the measurement bandwidth shall satisfy the restrictions on $|\Delta f|$ 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-2345 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

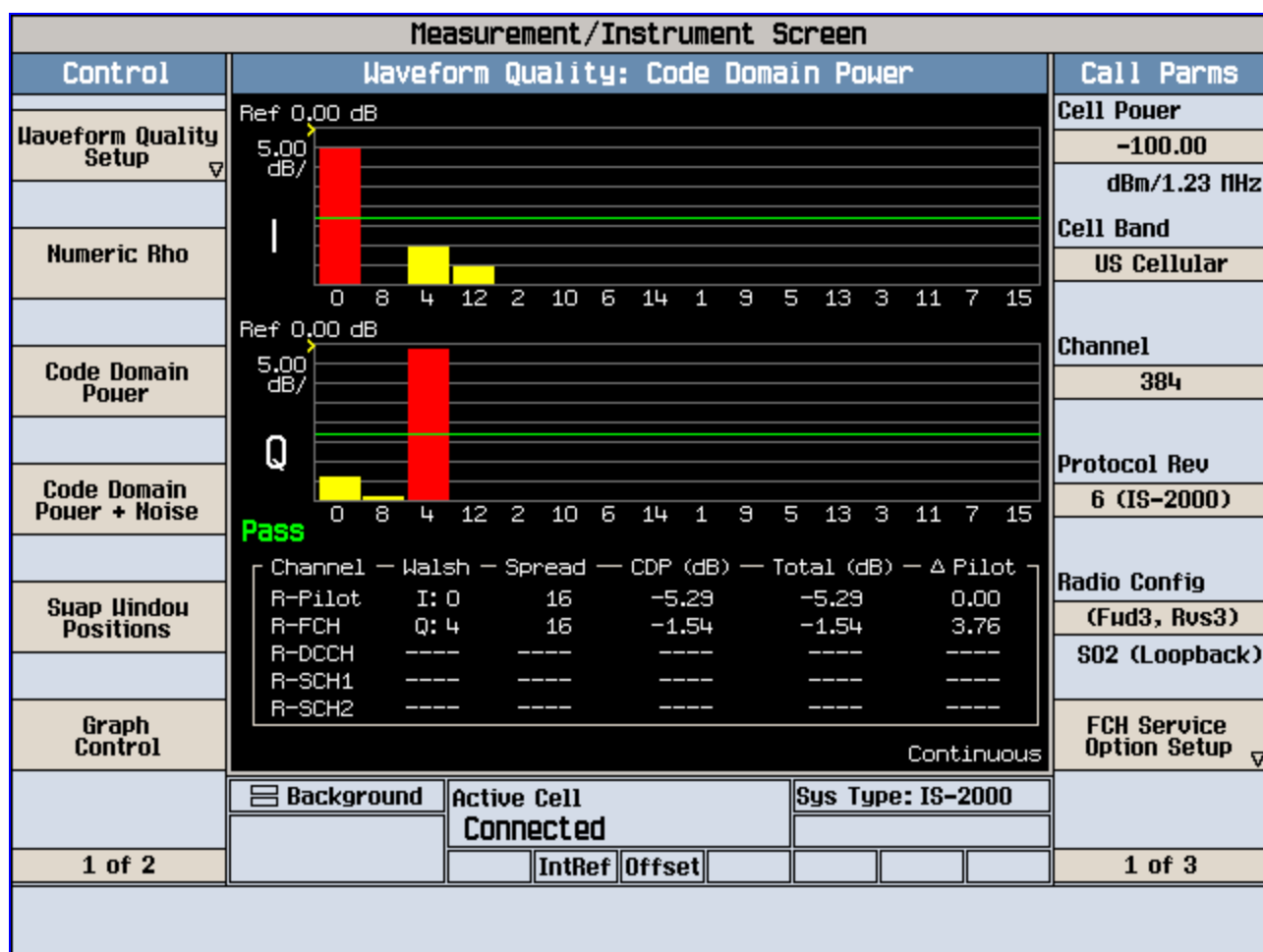
The test results show KWC-2345 is in compliance with IS-98D and FCC requirements. Test data as follows.

Occupied Bandwidth & Spurious Emission

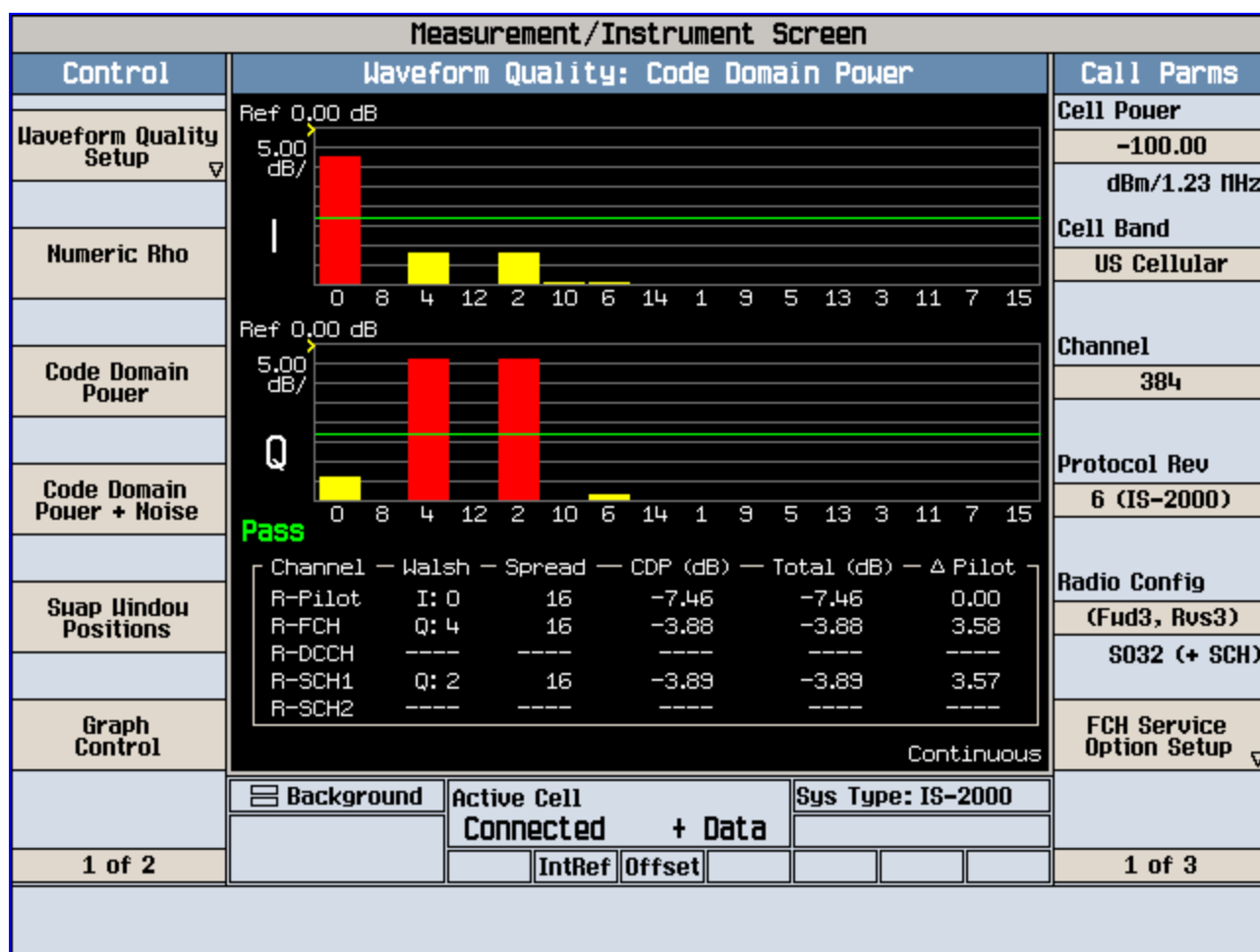
Cellular Band

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.

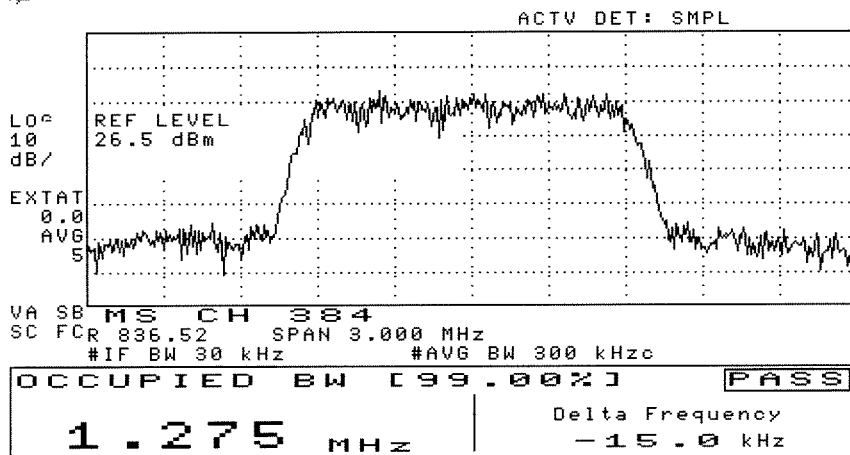
KWCONF-2345

(OBW
CMA2000)

R-FCN + R-PICH
+ R-SCHØ

CELLULAR
CH384

15:53:55 APR 19, 2002



COPY DEV
PRNT PLT

Plot
Config

Print
Config

Time
Date

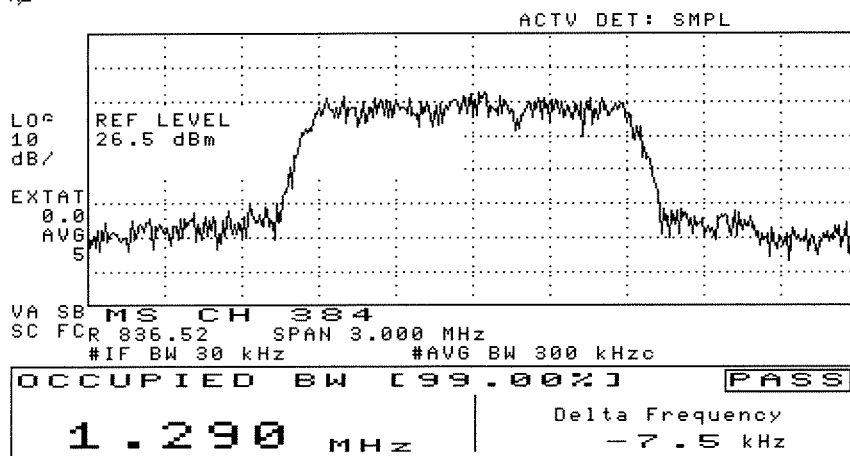
Change
Prefix

More
1 of 3

RC3

R-FCN + R-PICH

15:57:03 APR 19, 2002



COPY

REF LVL

ATTEN
AUTO MAN

SCALE
LOG LIN

AUTORANG
ON OFF

LIN CHCK
ON OFF

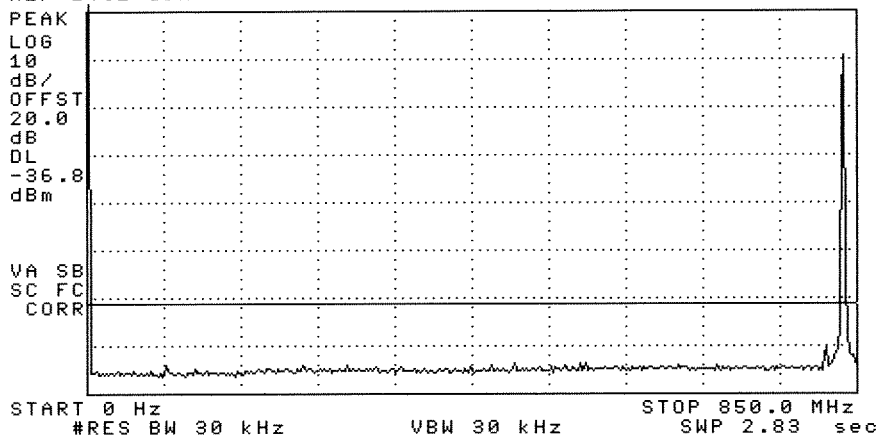
More
1 of 3

RC3

R-FCN + R-SCHØ
+ R-PICH

06:16:48 APR 22, 2002

REF 24.2 dBm #AT 20 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

More
1 of 4

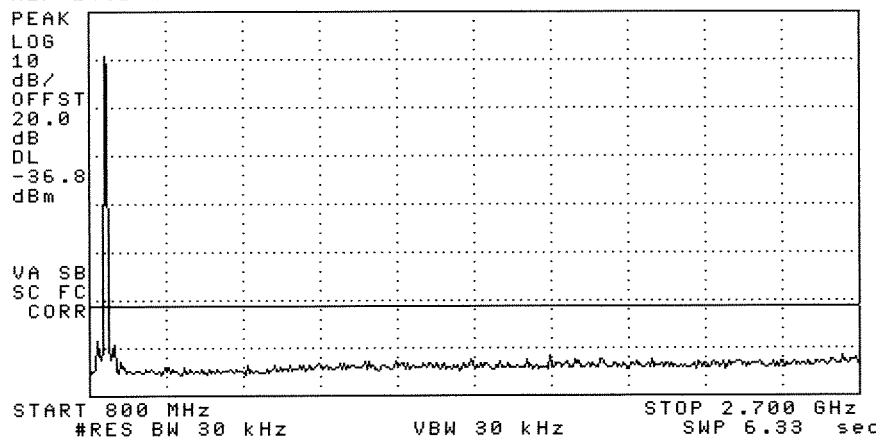
CH 384
CELLULAR
RC3

R-FCA + R-PCH

850 MHz TO 856 MHz

06:17:31 APR 22, 2002

REF 24.2 dBm #AT 20 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

More
1 of 4

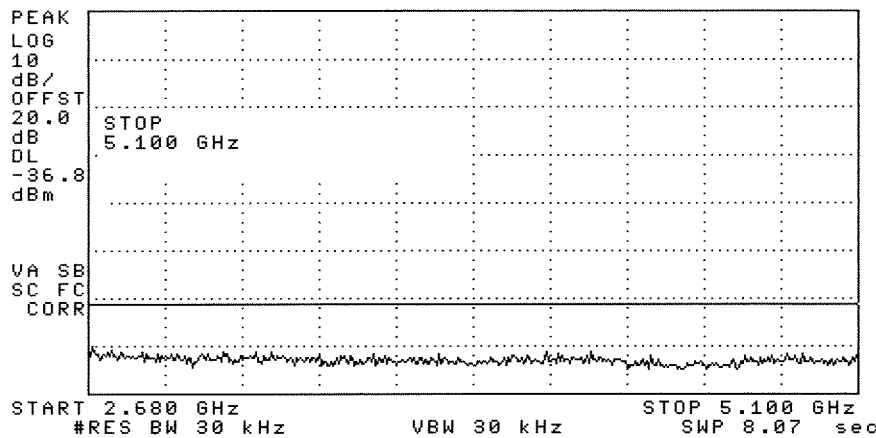
CH 384
CELLULAR
RC3

R-FCA + R-PCH

800 MHz TO
2.70 GHz

06:18:04 APR 22, 2002

REF 24.2 dBm #AT 20 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

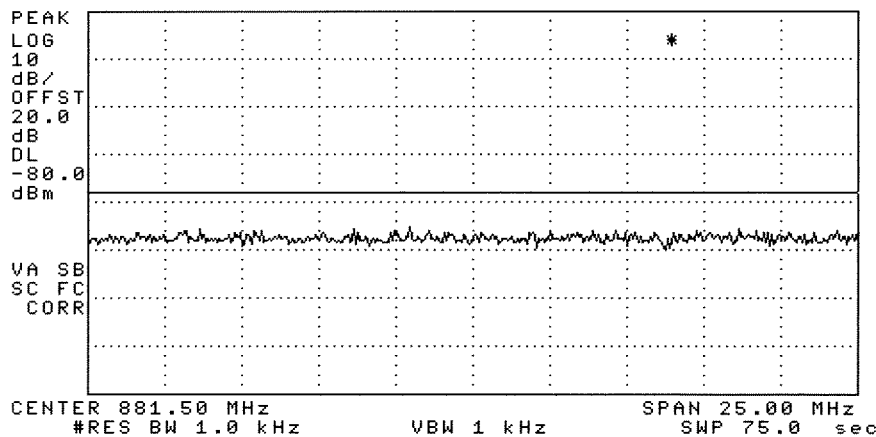
Trace
A B C

More
1 of 4

CH 384
CELLULAR
RC3
R-FCA + R-PICH
2.68 GHz
TO
5.10 GHz

06:23:11 APR 22, 2002

REF -42.0 dBm #AT 0 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

More
1 of 4

CH 384
CELLULAR
RC3
R-FCA + R-PICH
RX BAND

07:06:21 APR 22, 2002

REF 24.2 dBm #AT 20 dB

PEAK
LOG
10
dB/
OFFST
20.0
dB
DL
-36.8
dBm

VA SB
SC FC
CORR

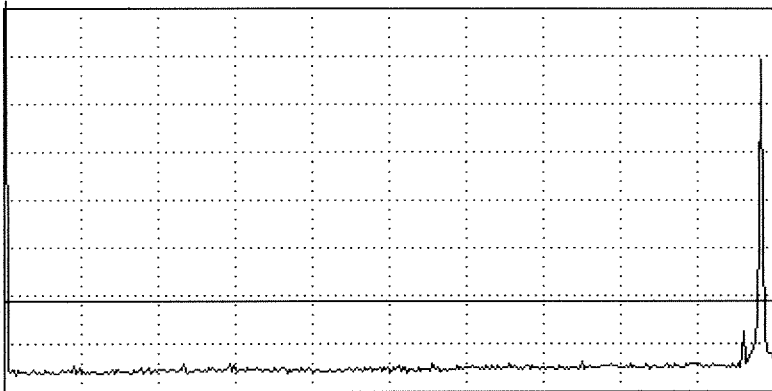
START 0 Hz

#RES BW 30 kHz

VBW 30 kHz

STOP 850.0 MHz

SWP 2.83 sec



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

More
1 of 4

CH 384

CELLULAR

RC3

R-FCH+R-SCAP

+R-PCH

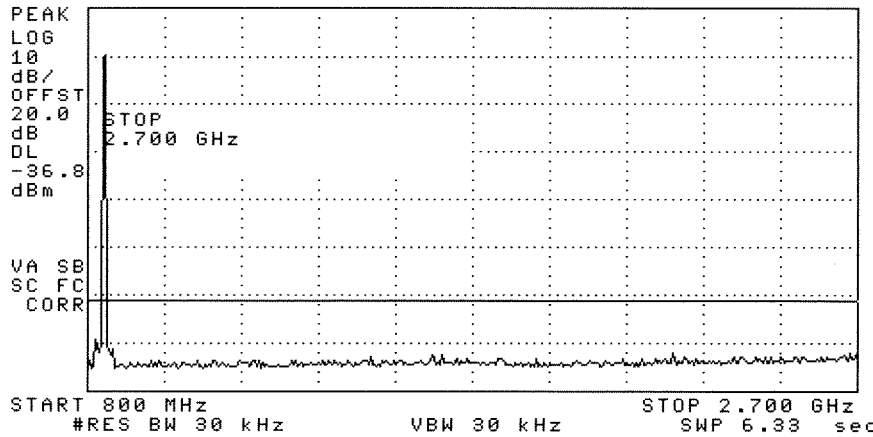
Ø H7

TO

850 MHz

07:08:07 APR 22, 2002

REF 24.2 dBm #AT 20 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

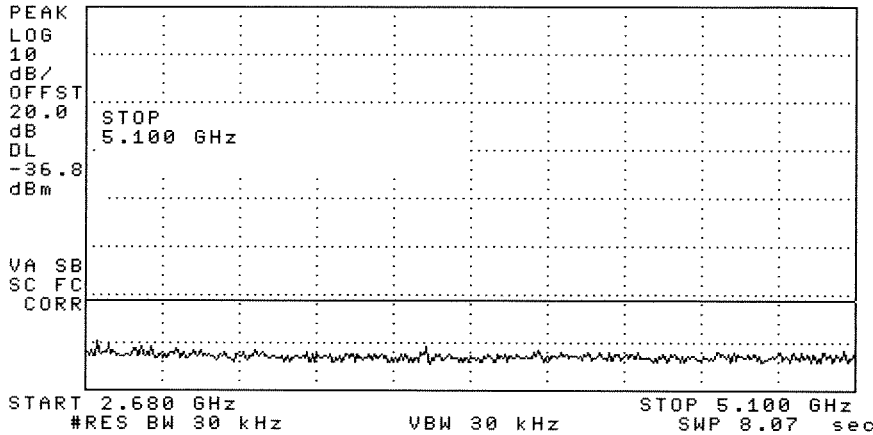
Trace
A B C

More
1 of 4

CH 384
CELLULAR
RC3
R-FCM + RSCHP
+ R-PICH
800 MHz
TO
2.70 GHz

07:09:24 APR 22, 2002

REF 24.2 dBm #AT 20 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

More
1 of 4

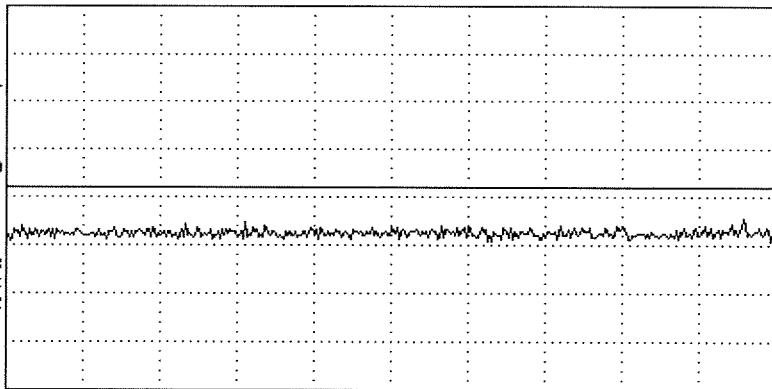
CH 384
CELLULAR
RC3
R-FCM + RSCHP
+ R-PICH
2.68 GHz
TO
5.10 GHz

07:21:43 APR 22, 2002

REF -42.0 dBm #AT 0 dB

PEAK
LOG
10
dB/
OFFST
20.0
dB
DL
-80.0
dBm

VA SB
SC FC
CORR



CENTER 881.50 MHz
#RES BW 1.0 kHz

VBW 1 kHz

SPAN 25.00 MHz
SWP 75.0 sec

CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

More
1 of 4

CH 384
CELLULAR
RC3

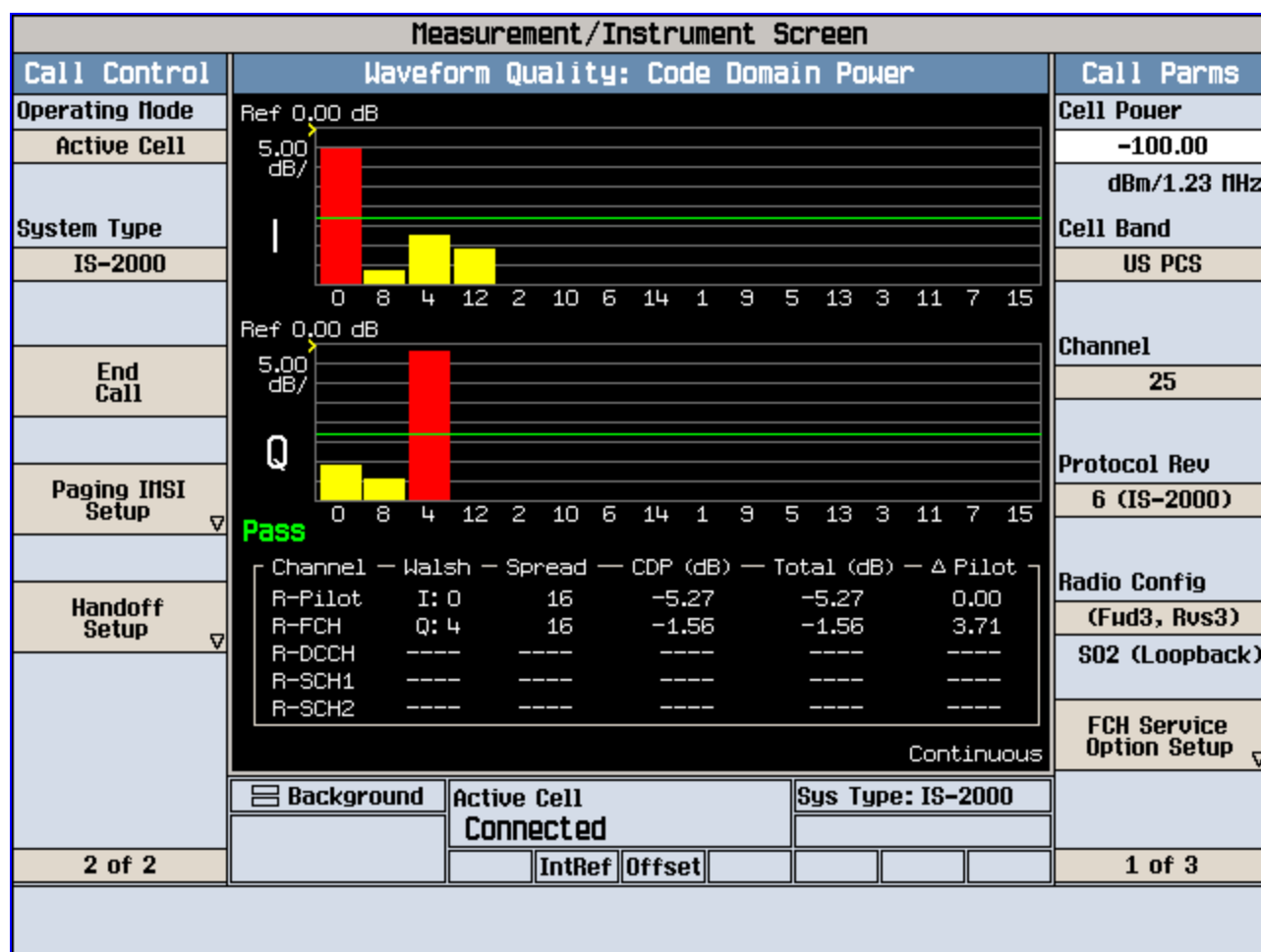
R-FCH + R-SCH
+ R-PICH

RX BAND

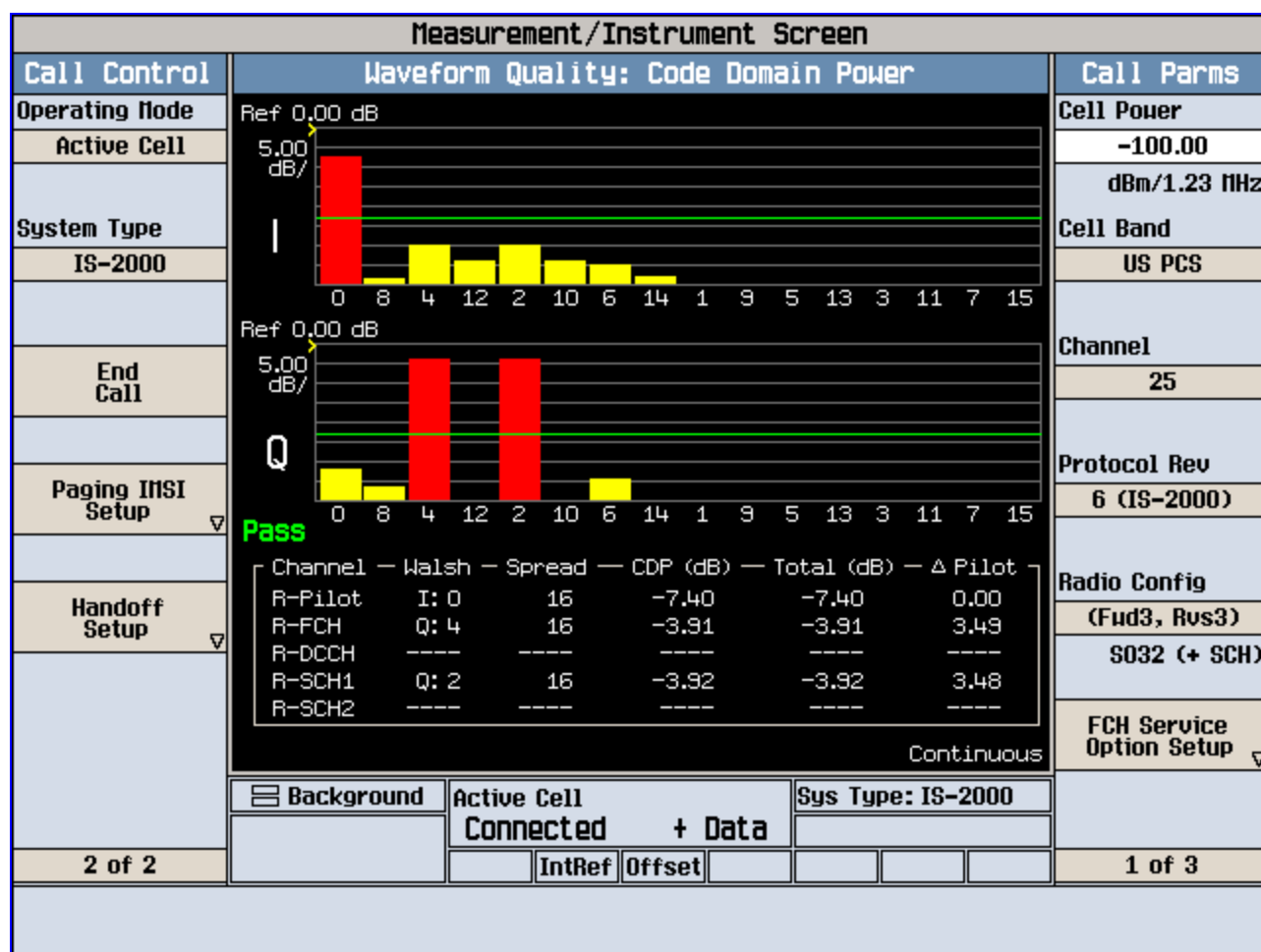
PCS Band

Ch25

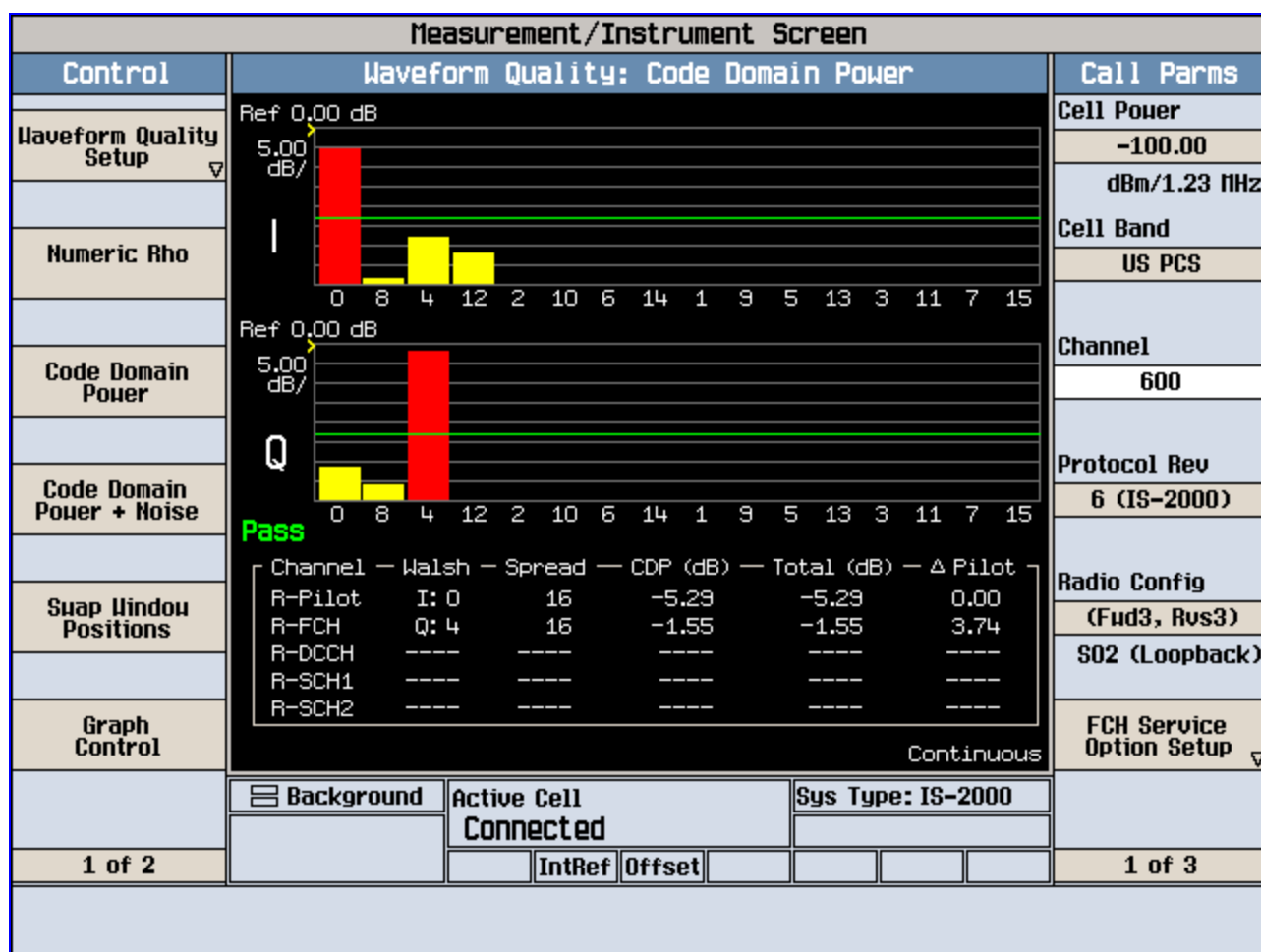
The graphs of RC3 R-FCH Code Domain and RC3 R-FCH+R-SCH Code Domain are in the proceeding pages.



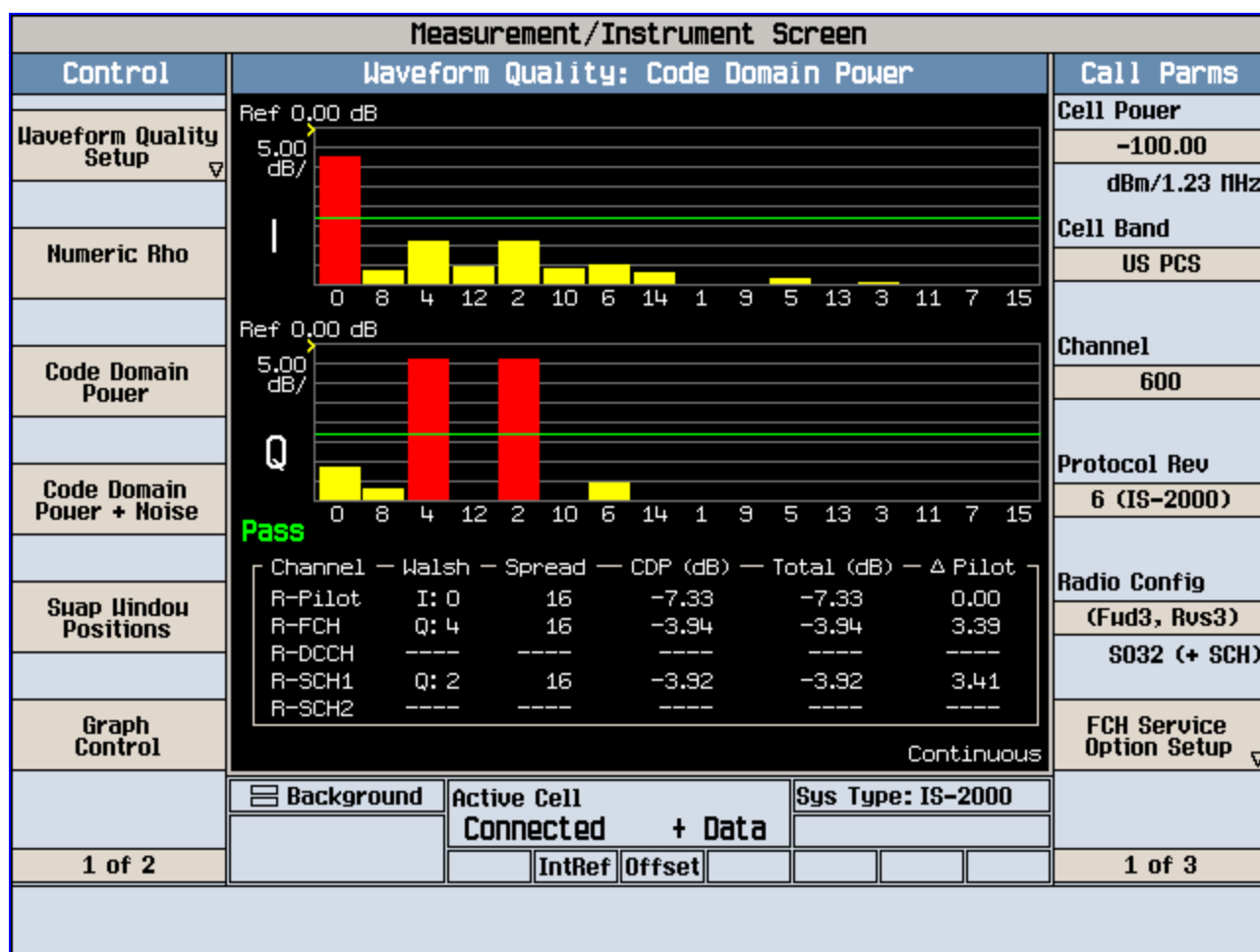
Click image to update.



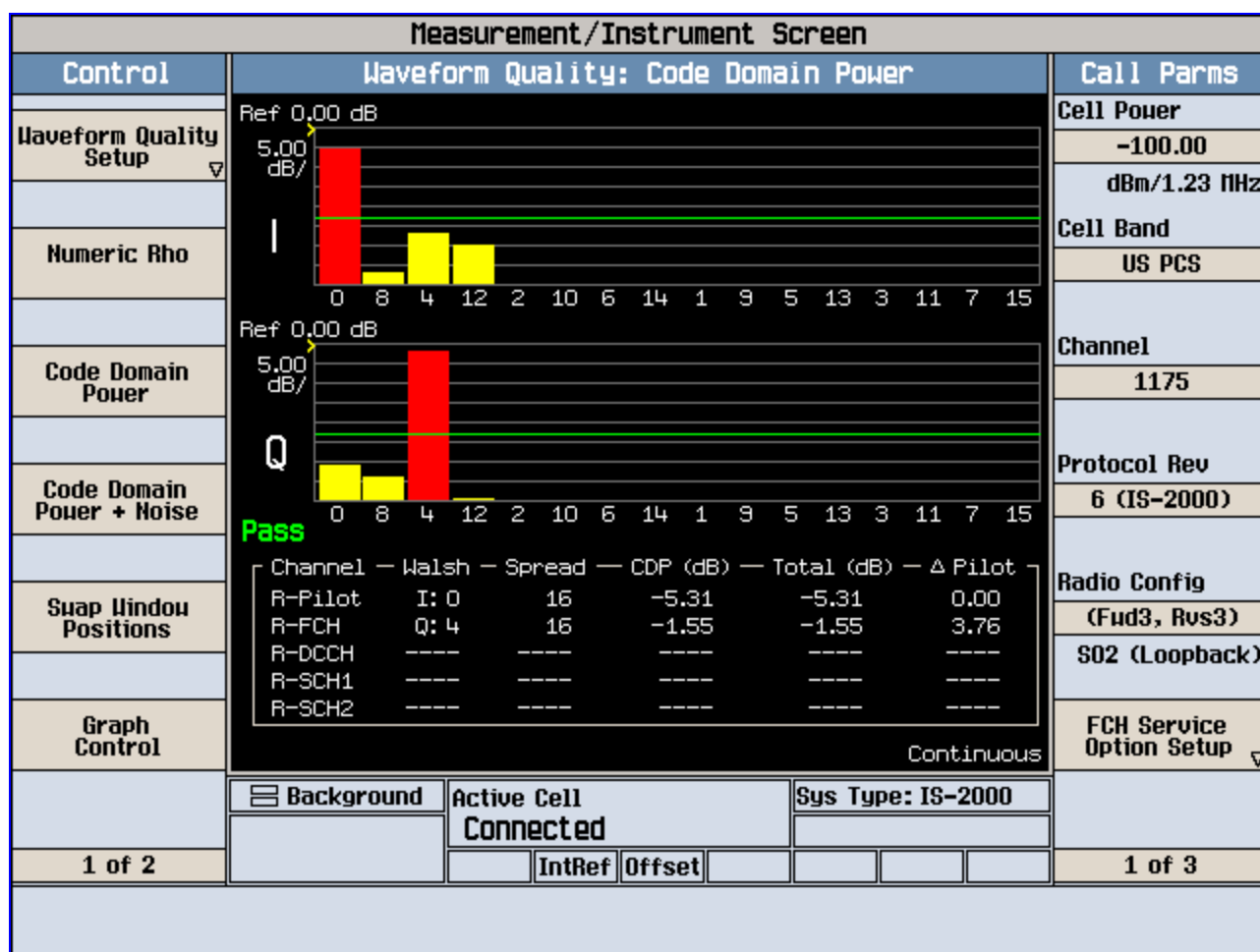
Click image to update.



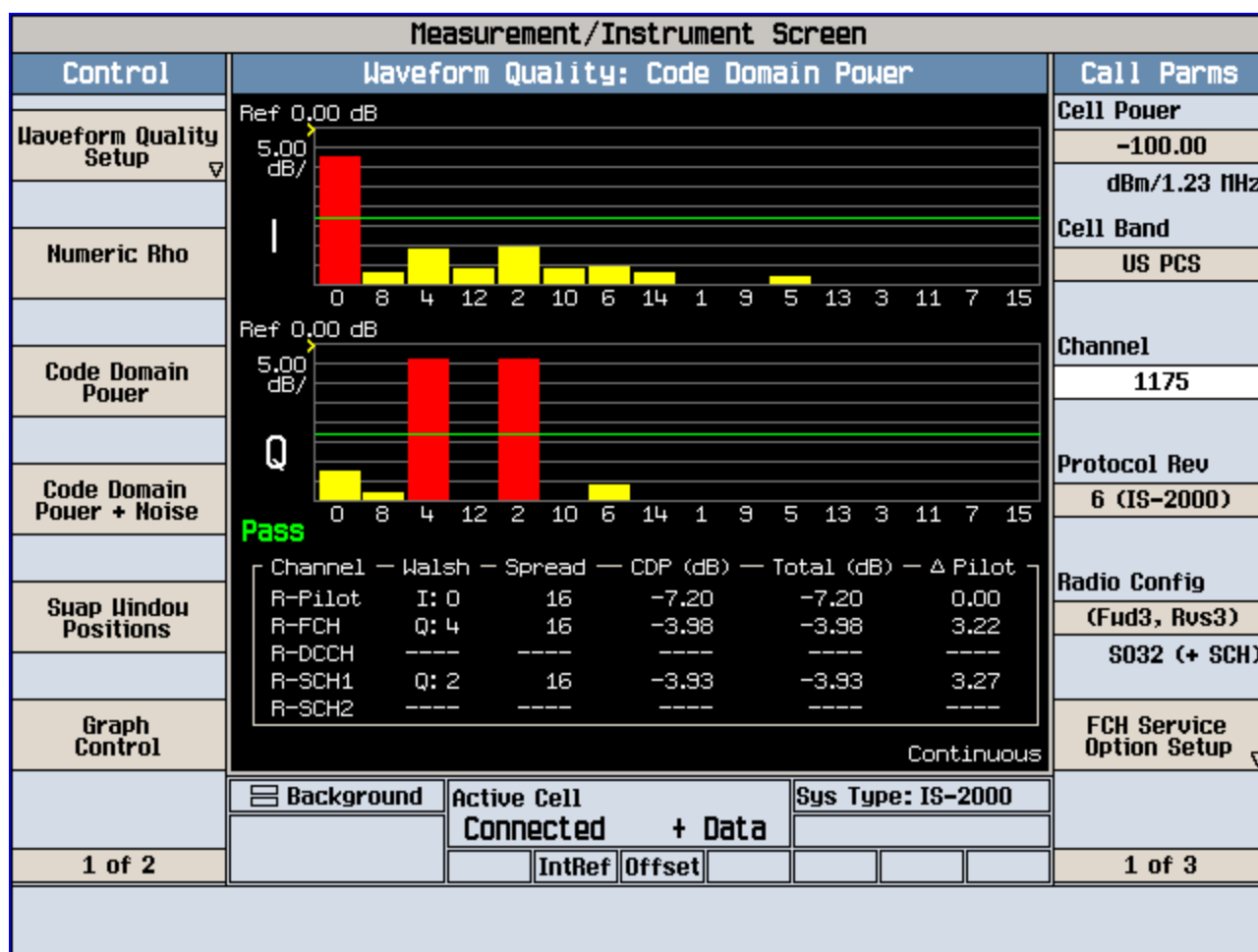
Click image to update.



Click image to update.



Click image to update.



Click image to update.

Applicant: KWC Corp.

FCC ID: OVFKWC-2345

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

Measurement/Instrument Screen									
Control		TX Spurious Emissions						Call Params	
TX Spurious Setup ▾		<div>Pass</div> <div><div>-1.250 MHz Offset</div><div>-50.92 dBc</div><div>-1.980 MHz Offset</div><div>-67.36 dBc</div></div> <div><div>1.250 MHz Offset</div><div>-52.07 dBc</div><div>1.980 MHz Offset</div><div>-67.42 dBc</div></div> <div>Continuous</div>						Cell Power	
								-100.00	
								dBm/1.23 MHz	
Numeric								Cell Band	
								US PCS	
Graph								Channel	
								25	
		Digital Average Power						Protocol Rev	
		<div>Digital Average Power</div> <div>20.87 dBm</div> <div>Expected Mobile Power: 20.78 dBm/1.23 MHz</div> <div>1 / 1</div> <div>Continuous</div>						6 (IS-2000)	
Swap Window Positions								Radio Config	
								(Fud3, Rvs3)	
								S02 (Loopback)	
								FCH Service Option Setup ▾	
		Background		Active Cell Connected		Sys Type: IS-2000			
1 of 2								1 of 3	
				IntRef		Offset			

Click image to update.

Measurement/Instrument Screen											
Control		TX Spurious Emissions						Call Params			
TX Spurious Setup ▾		Pass						Cell Power			
								-100.00			
		dBm/1.23 MHz				Cell Band					
		US PCS				Channel					
Numeric		-1.250 MHz Offset						25			
		-48.40 dBc						Protocol Rev			
		-1.980 MHz Offset						6 (IS-2000)			
		-62.86 dBc						Radio Config			
Graph		1.250 MHz Offset						(Fud3, Rvs3)			
		-62.83 dBc						S032 (+ SCH)			
		Continuous						FCH Service Option Setup ▾			
Swap Window Positions		Digital Average Power						1 of 3			
		Digital Average Power									
		22.31 dBm									
		Expected Mobile Power: 23.00 dBm/1.23 MHz									
		1 / 1									
		Continuous									
		Background		Active Cell				Sys Type: IS-2000			
				Connected + Data							
1 of 2				IntRef		Offset					

Click image to update.

Measurement/Instrument Screen									
Control		TX Spurious Emissions						Call Params	
TX Spurious Setup ▾		<div>Pass</div> <div><div>-1.250 MHz Offset</div><div>-51.32 dBc</div></div> <div><div>1.250 MHz Offset</div><div>-52.16 dBc</div></div> <div><div>-1.980 MHz Offset</div><div>-67.00 dBc</div></div> <div><div>1.980 MHz Offset</div><div>-67.12 dBc</div></div> <div>Continuous</div>						Cell Power	
								-100.00	
Numeric								dBm/1.23 MHz	
								Cell Band	
								US PCS	
Graph								Channel	
								600	
		Digital Average Power						Protocol Rev	
		<div>Digital Average Power</div> <div>20.79 dBm</div> <div>Expected Mobile Power: 20.78 dBm/1.23 MHz</div> <div>1 / 1</div> <div>Continuous</div>						6 (IS-2000)	
Suap Window Positions								Radio Config	
								(Fud3, Rvs3)	
								S02 (Loopback)	
								FCH Service Option Setup ▾	
1 of 2		Background		Active Cell Connected			Sys Type: IS-2000		
			IntRef	Offset					
								1 of 3	

Click image to update.

Measurement/Instrument Screen									
Control		TX Spurious Emissions						Call Params	
TX Spurious Setup ▾		<div>Pass</div> <div><div>-1.250 MHz Offset</div><div>-49.16 dBc</div></div> <div><div>1.250 MHz Offset</div><div>-49.16 dBc</div></div> <div><div>-1.980 MHz Offset</div><div>-63.27 dBc</div></div> <div><div>1.980 MHz Offset</div><div>-62.30 dBc</div></div> <div>Continuous</div>						Cell Power	
Numeric								-100.00	
Graph								dBm/1.23 MHz	
								Cell Band	
								US PCS	
								Channel	
								600	
		Digital Average Power						Protocol Rev	
		<div>Digital Average Power</div> <div>21.96 dBm</div> <div>Expected Mobile Power: 23.00 dBm/1.23 MHz</div> <div>1 / 1Continuous</div>						6 (IS-2000)	
Swap Window Positions								Radio Config	
								(Fud3, Rvs3)	
								S032 (+ SCH)	
								FCH Service Option Setup ▾	
1 of 2		Background		Active Cell Connected + Data		Sys Type: IS-2000		1 of 3	
				IntRef		Offset			

Click image to update.

Measurement/Instrument Screen									
Control		TX Spurious Emissions						Call Params	
TX Spurious Setup ▾		<div>Pass</div> <div> <div>-1.250 MHz Offset</div> <div>-51.12 dBc</div> </div> <div> <div>1.250 MHz Offset</div> <div>-52.67 dBc</div> </div> <div> <div>-1.980 MHz Offset</div> <div>-67.27 dBc</div> </div> <div> <div>1.980 MHz Offset</div> <div>-67.56 dBc</div> </div> <div>Continuous</div>						Cell Power	
Numeric								-100.00	
Graph								dBm/1.23 MHz	
								Cell Band	
								US PCS	
								Channel	
								1175	
		Digital Average Power						Protocol Rev	
		<div>Digital Average Power</div> <div>20.64 dBm</div> <div>Expected Mobile Power: 20.78 dBm/1.23 MHz</div> <div>1 / 1</div> <div>Continuous</div>						6 (IS-2000)	
Swap Window Positions								Radio Config	
								(Fud3, Rvs3)	
								S02 (Loopback)	
								FCH Service Option Setup ▾	
		Background		Active Cell Connected		Sys Type: IS-2000			
1 of 2				IntRef		Offset		1 of 3	

Click image to update.

Measurement/Instrument Screen										
Control		TX Spurious Emissions						Call Params		
TX Spurious Setup ▾		<div>Pass</div> <div><div>-1.250 MHz Offset</div><div>-48.73 dBc</div></div> <div><div>1.250 MHz Offset</div><div>-48.78 dBc</div></div> <div><div>-1.980 MHz Offset</div><div>-62.47 dBc</div></div> <div><div>1.980 MHz Offset</div><div>-63.18 dBc</div></div> <div>Continuous</div>						Cell Power		
								-100.00		
								dBm/1.23 MHz		
								Cell Band		
Numeric								US PCS		
Graph								Channel		
								1175		
Swap Window Positions		Digital Average Power						Protocol Rev		
		<div>Digital Average Power</div> <div>22.18 dBm</div> <div>Expected Mobile Power: 23.00 dBm/1.23 MHz</div> <div>1 / 1<div>Continuous</div></div>						6 (IS-2000)		
								Radio Config		
								S032 (+ SCH)		
								FCH Service Option Setup ▾		
1 of 2		Background		Active Cell				Sys Type: IS-2000		
				Connected + Data						
			IntRef	Offset						
								1 of 3		

Click image to update.

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

KWCOVF-2345

[ORW cdma2000]

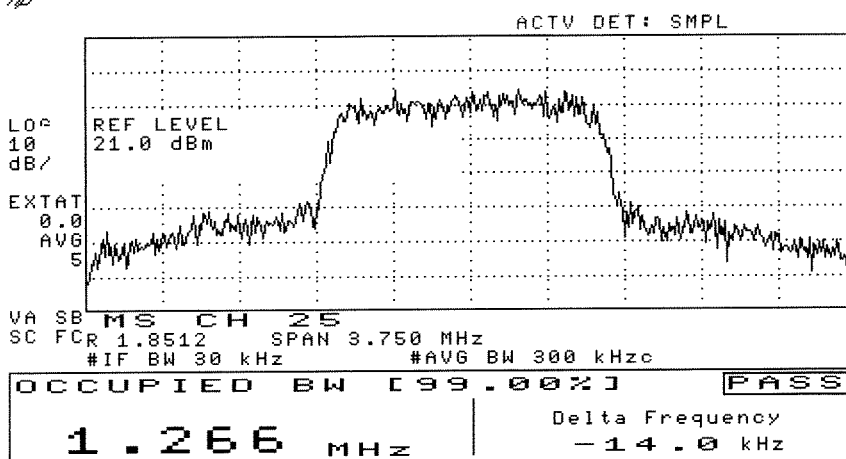
PCS

CH 25

PC3

R-FCH + R-PICH

16:16:00 APR 19, 2002



CDMA
REF LVL

ATTEN
AUTO MAN

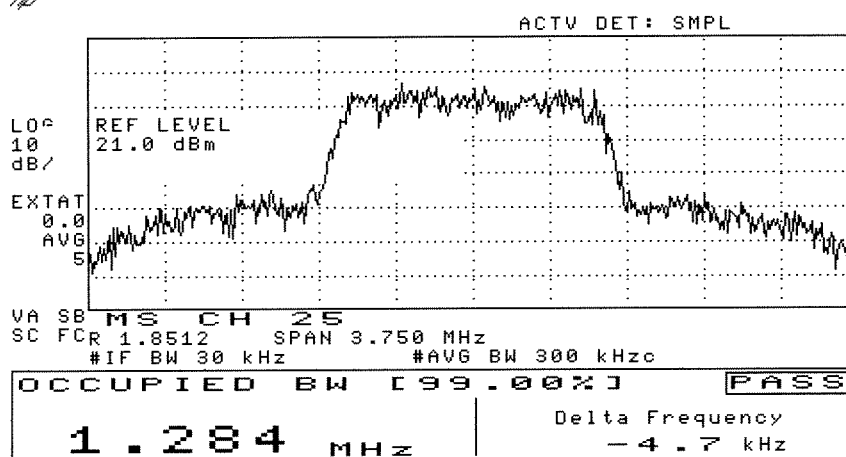
SCALE
LOG LIN

AUTORANG
ON OFF

LIN CHCK
ON OFF

More
1 of 3

16:17:39 APR 19, 2002



CDMA
REF LVL

ATTEN
AUTO MAN

SCALE
LOG LIN

AUTORANG
ON OFF

LIN CHCK
ON OFF

More
1 of 3

PCS

CH 25

PC3

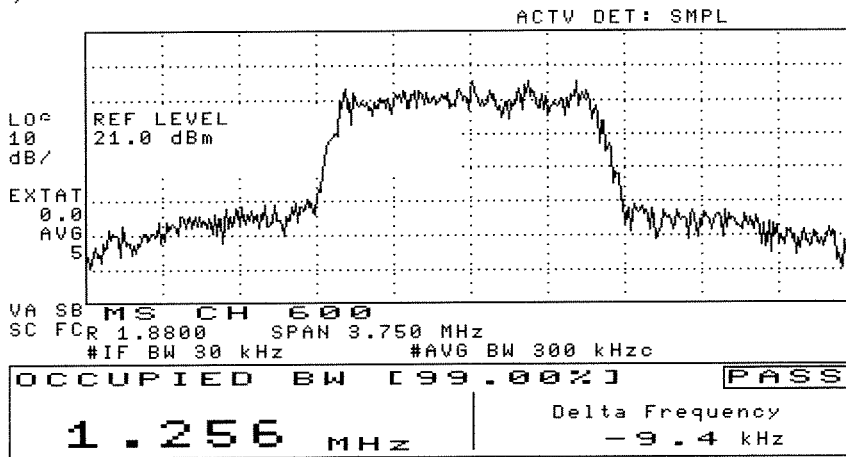
R-FCH + R-PICH
+ R-SCH

KWC-OVF-2345

(ORW cdma2000)

PCS CH
600

16:20:01 APR 19, 2002



CDMA
REF LVL

ATTEN
AUTO MAN

SCALE
LOG LIN

AUTORANG
ON OFF

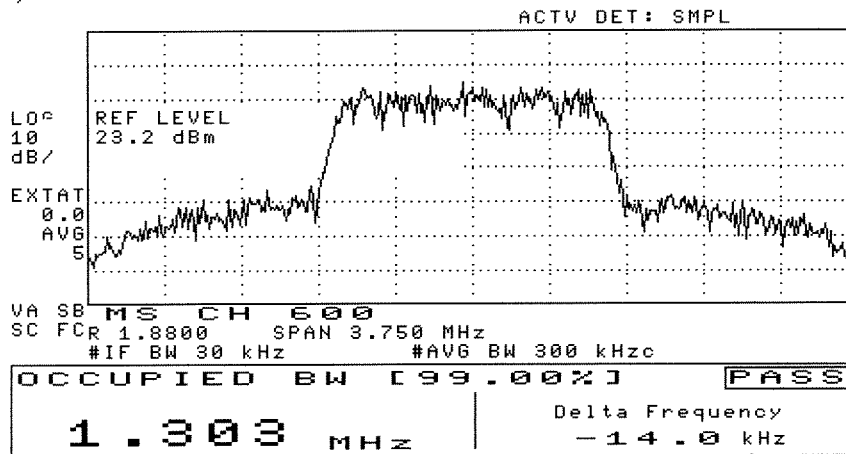
LIN CHCK
ON OFF

More
1 of 3

PC3

R-FCH+R-PCH

16:22:49 APR 19, 2002



CDMA
REF LVL

ATTEN
AUTO MAN

SCALE
LOG LIN

AUTORANG
ON OFF

LIN CHCK
ON OFF

More
1 of 3

PCS CH 600

PC3

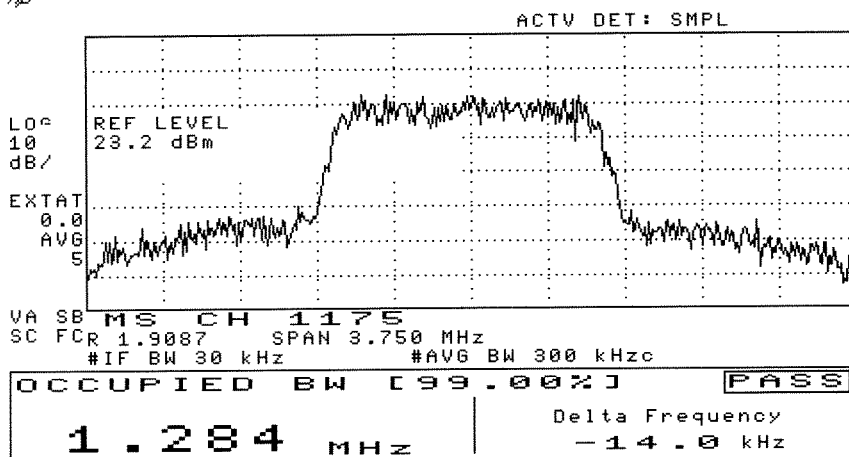
R-FCH+R-PCH

+R-SCH

KWCONF-2345 [OBW cdma2000]

PCS CH 1175

16:25:06 APR 19, 2002



CDMA
REF LVL

ATTEN
AUTO MAN

SCALE
LOG LIN

AUTORANG
ON OFF

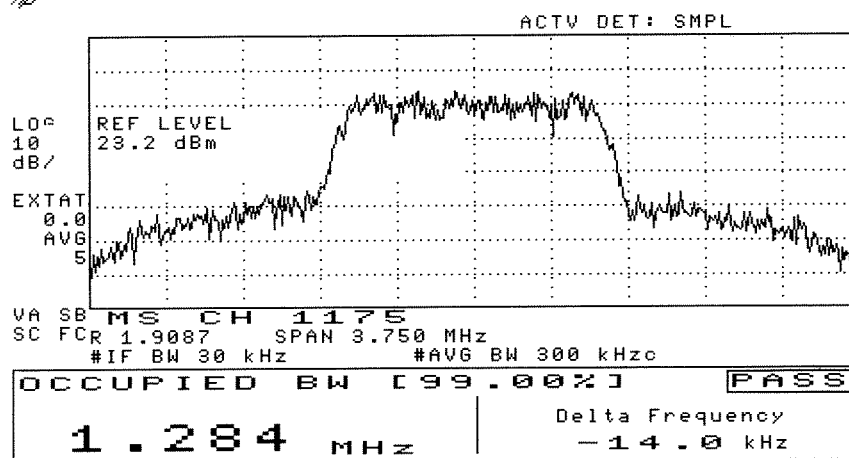
LIN CHCK
ON OFF

More
1 of 3

PC3

E-FCH + E-PCH

16:26:15 APR 19, 2002



CDMA
REF LVL

ATTEN
AUTO MAN

SCALE
LOG LIN

AUTORANG
ON OFF

LIN CHCK
ON OFF

More
1 of 3

PCS CH 1175

PC3

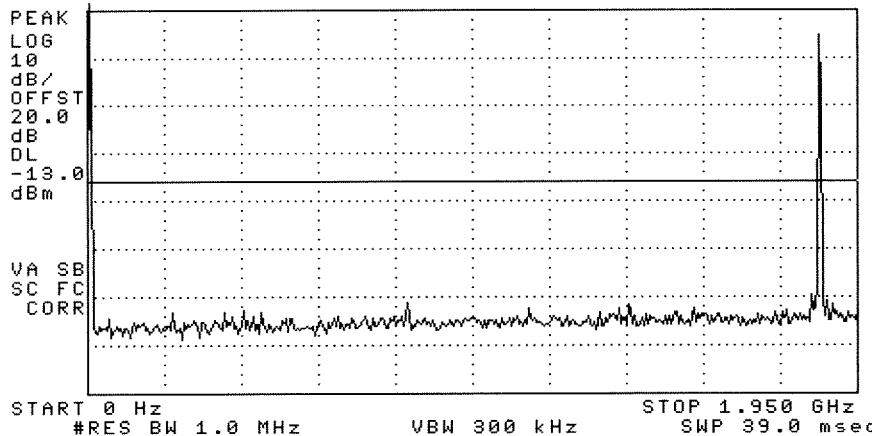
E-FCH + E-PCH

+E-SCH

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

07:53:47 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

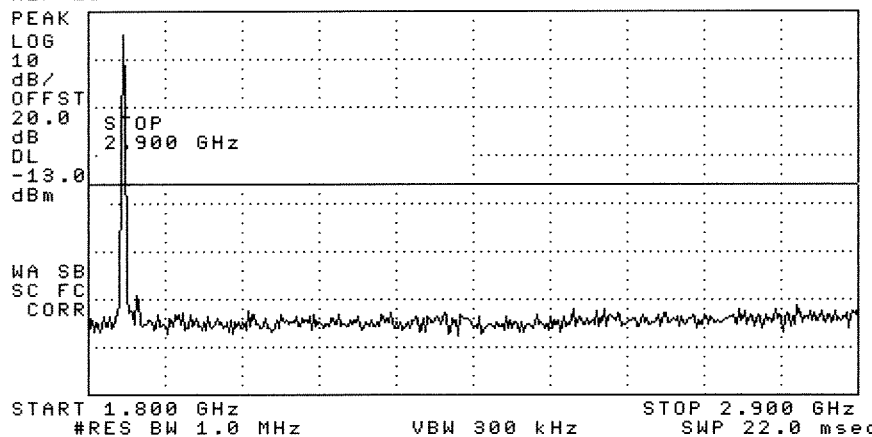
Trace
A B C

More
1 of 4

CH25
PCS
RC3
R-FCH + R-PCH
0 Hz
TO
1.95 GHz

07:54:52 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

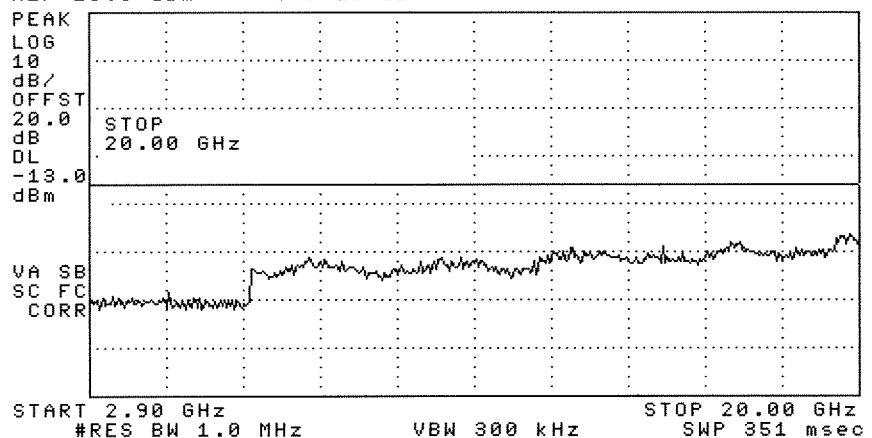
Trace
A B C

More
1 of 4

CH25
PCS
RC3
R-FCH + R-PCH
1.80 GHz
TO
2.90 GHz

07:59:25 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

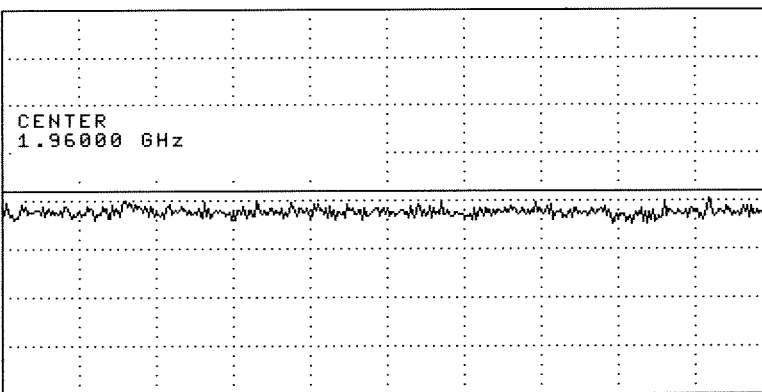
More
1 of 4

CH25
PCS
RC3
R-FCH + R-PCH
2.90 GHz
TO
20.00 GHz

08:04:52 APR 22, 2002

REF -42.0 dBm #AT 0 dB

PEAK
LOG
10
dB/
OFFST
20.0
dB
DL
-80.0
dBm



CENTER 1.96000 GHz
#RES BW 3.0 kHz

VBW 3 kHz

SPAN 60.00 MHz
SWP 20.0 sec

CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

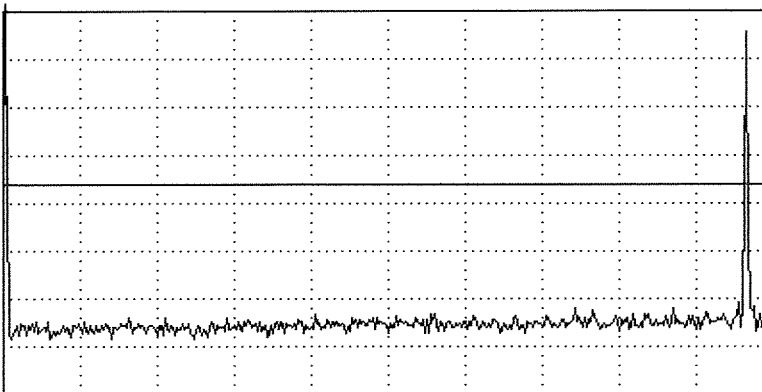
More
1 of 4

CH 25
PCS
RC3
R-FCH + R-PICH
EX BAND

08:06:48 APR 22, 2002

REF 23.0 dBm #AT 20 dB

PEAK
LOG
10
dB/
OFFST
20.0
dB
DL
-13.0
dBm



START 0 Hz
#RES BW 1.0 MHz

VBW 300 kHz

STOP 1.950 GHz
SWP 39.0 msec

CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

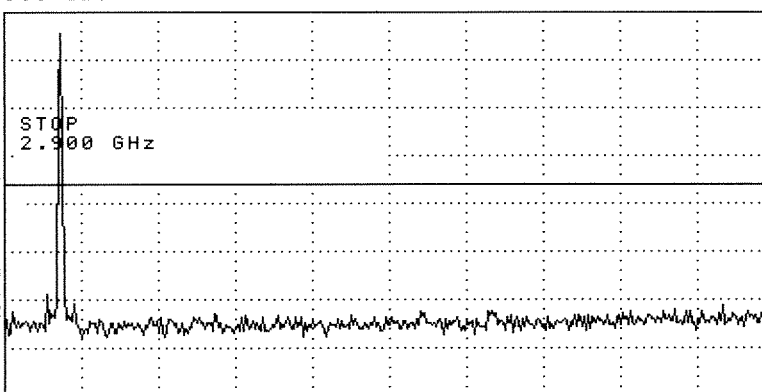
More
1 of 4

CH 600
PCS
RC3
R-FCH + R-PICH
0.47
TO
1.95 GHz

08:07:21 APR 22, 2002

REF 23.0 dBm #AT 20 dB

PEAK
LOG
10
dB/
OFFST
20.0
dB
DL
-13.0
dBm



START 1.800 GHz
#RES BW 1.0 MHz

VBW 300 kHz

STOP 2.900 GHz
SWP 22.0 msec

CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

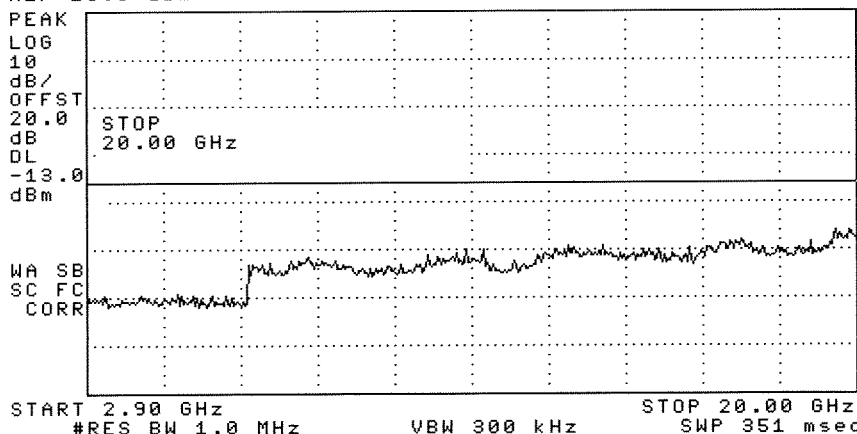
Trace
A B C

More
1 of 4

CH 600
PCS
RC3
R-FCH + R-PICH
1.80 GHz
TO
2.90 GHz

08:07:56 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CENTER FREQ

START FREQ

STOP FREQ

CF STEP AUTO MAN

SWEEP LOG LIN

More 1 of 2

CH 600

PCS

RC3

R-FCH + R-PCH

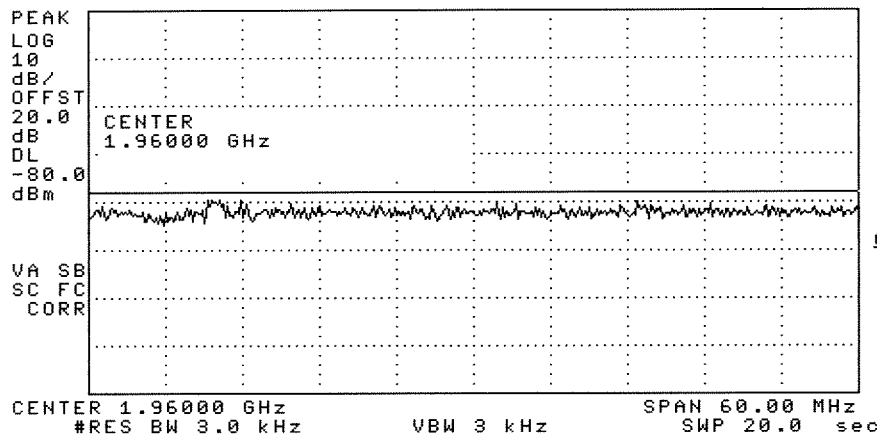
2.90 GHz

TO

20.0 GHz

08:10:20 APR 22, 2002

REF -42.0 dBm #AT 0 dB



CENTER FREQ

START FREQ

STOP FREQ

CF STEP AUTO MAN

SWEEP LOG LIN

More 1 of 2

CH 600

PCS

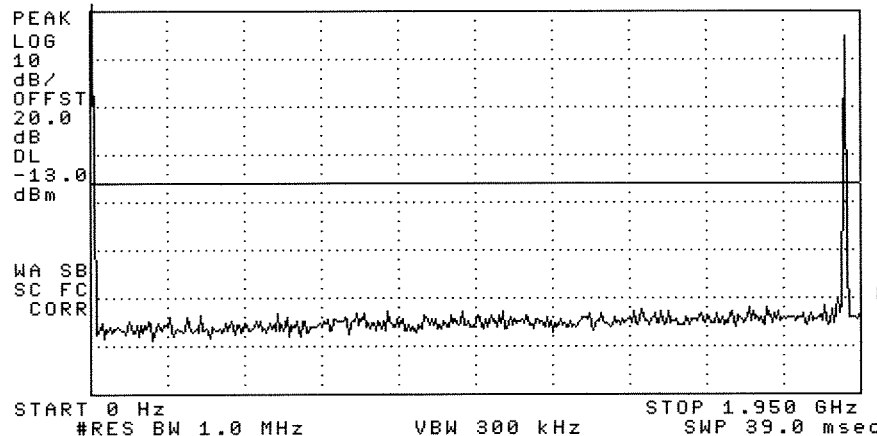
RC3

R-FCH + R-PCH

RX BAND

08:12:03 APR 22, 2002

REF 23.0 dBm #AT 20 dB



MARKER NORMAL

MARKER Δ

MARKER AMPTD

SELECT 1 2 3 4

MARKER 1 ON OFF

More 1 of 3

CH 1175

PCS

RC3

R-FCH + R-PCH

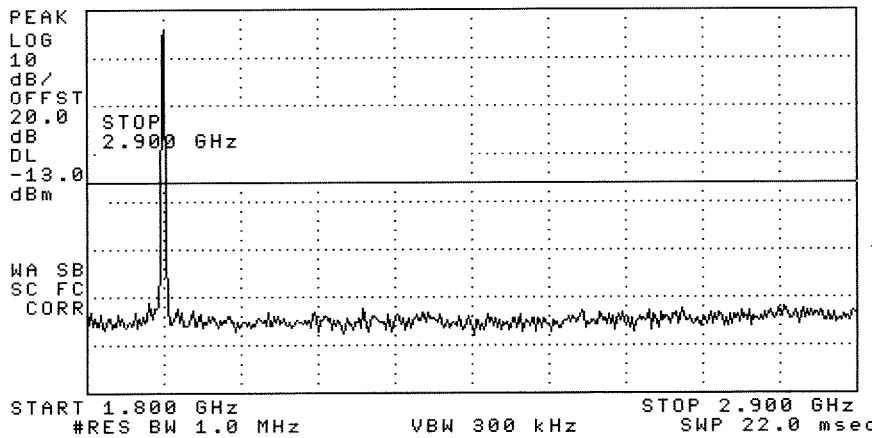
0 Hz

TO

1.95 GHz

08:29:57 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CENTER
FREQ

START
FREQ

STOP
FREQ

CF STEP
AUTO MAN

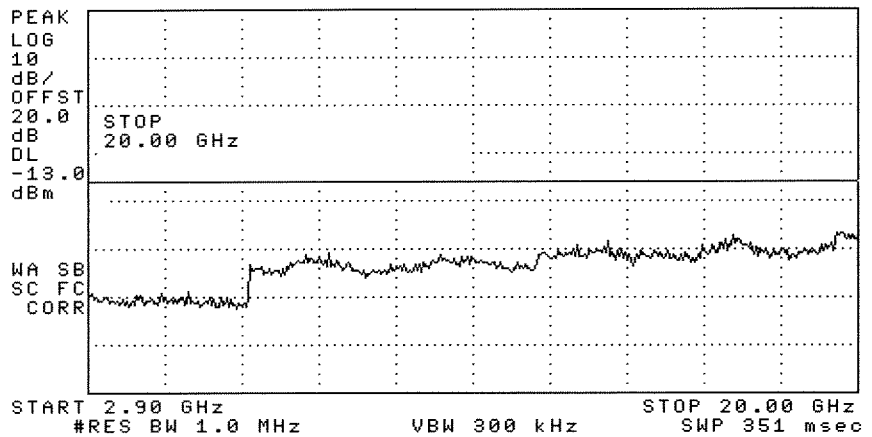
SWEEP
LOG LIN

More
1 of 2

CH 1175
PCS
R-FC3
1.80 GHz
TO
2.90 GHz

08:31:02 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CENTER
FREQ

START
FREQ

STOP
FREQ

CF STEP
AUTO MAN

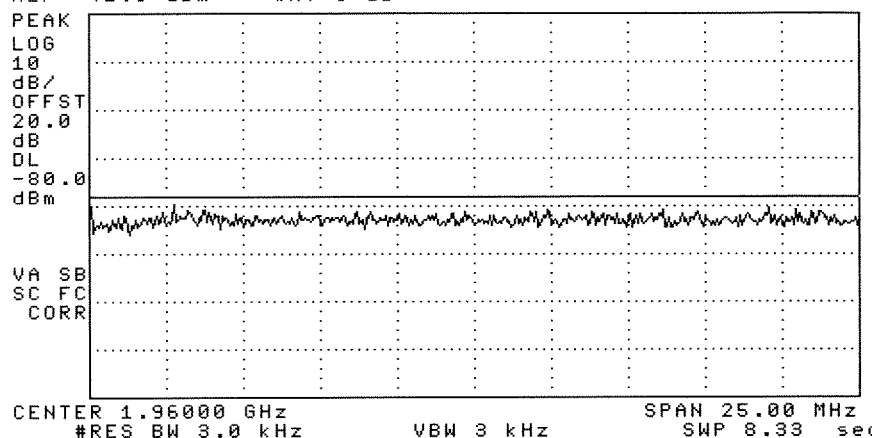
SWEEP
LOG LIN

More
1 of 2

CH 1175
PCS
R-FC3
2.90 GHz
TO
20.00 GHz

08:32:48 APR 22, 2002

REF -42.0 dBm #AT 0 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

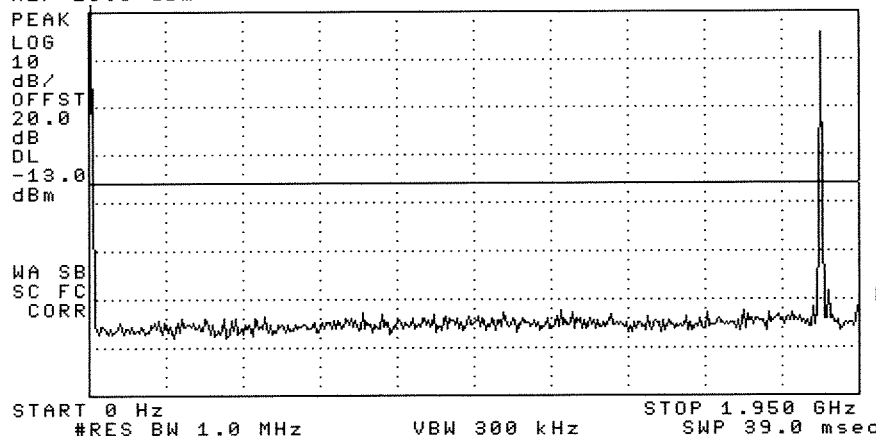
Trace
A B C

More
1 of 4

CH 1175
PCS
R-FC3
R-FC3 + R-PICH
EX BAND

08:52:18 APR 22, 2002

REF 23.0 dBm #AT 20 dB



MARKER
NORMAL

MARKER
Δ

MARKER
AMPTD

SELECT
1 2 3 4

MARKER 1
ON OFF

More
1 of 3

CH 25

PCS

RC3

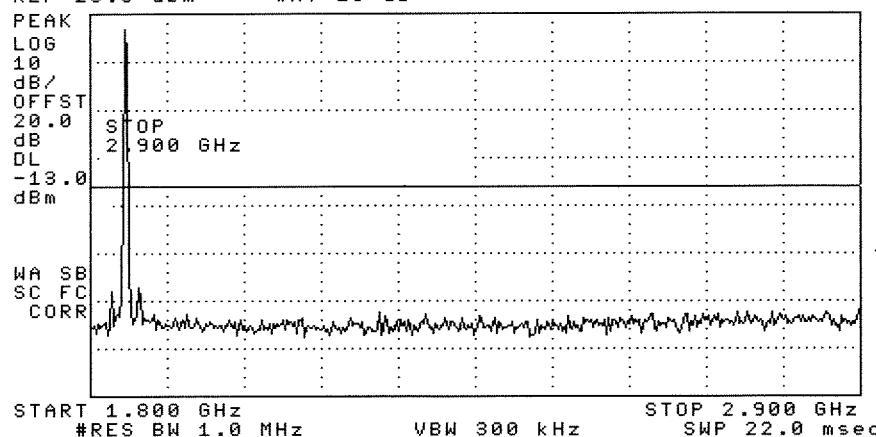
R-FCH + RSC#0
+R-PICH

CH 25
TO

1.95 GHz

08:52:48 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CENTER
FREQ

START
FREQ

STOP
FREQ

CF STEP
AUTO MAN

SWEEP
LOG LIN

More
1 of 2

CH 25

PCS

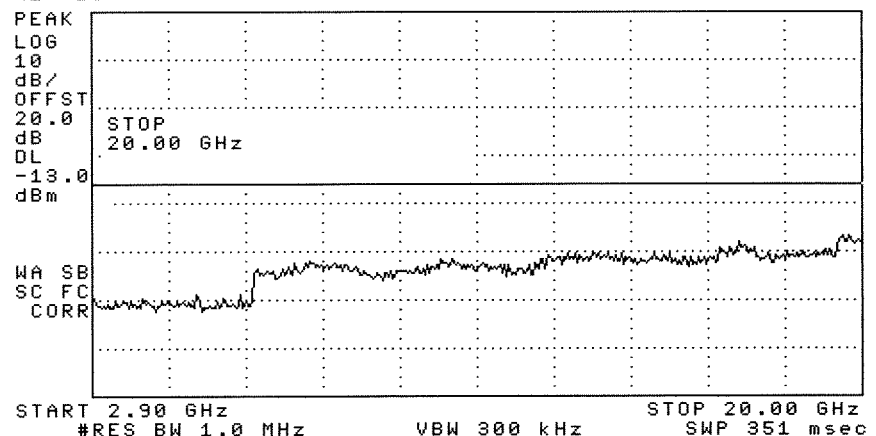
RC3

R-FCH + RSC#0
+R-PICH

1.80 GHz
TO
2.90 GHz

08:53:11 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CENTER
FREQ

START
FREQ

STOP
FREQ

CF STEP
AUTO MAN

SWEEP
LOG LIN

More
1 of 2

CH 25

PCS

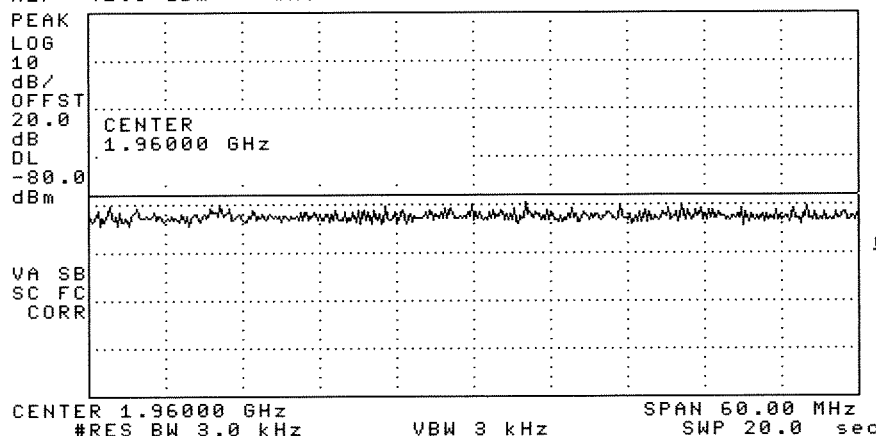
RC3

R-FCH + RSC#0
+R-PICH

2.90 GHz
TO
20.00 GHz

08:59:53 APR 22, 2002

REF -42.0 dBm #AT 0 dB



CENTER
FREQ

START
FREQ

STOP
FREQ

CF STEP
AUTO MAN

SWEEP
LOG LIN

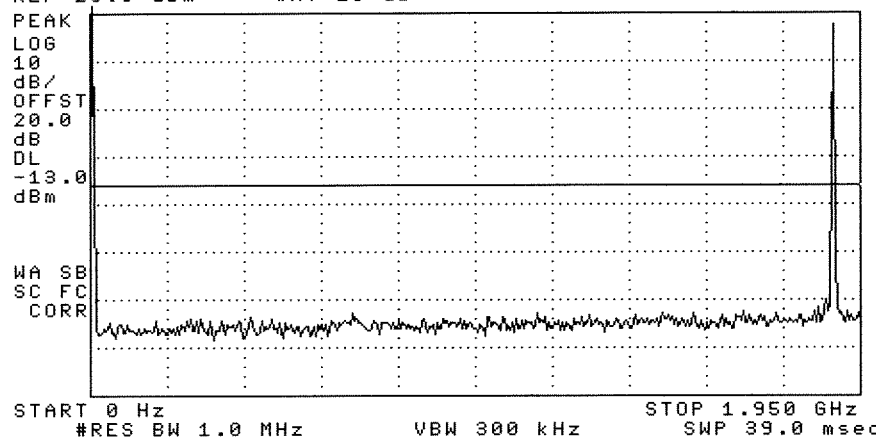
More
1 of 2

CH 25
PCS
PC3
R-FCH + RSCH
+ R-PICH

RX BAND

09:01:19 APR 22, 2002

REF 23.0 dBm #AT 20 dB



MARKER
NORMAL

MARKER
Δ

MARKER
AMPTD

SELECT
1 2 3 4

MARKER 1
ON OFF

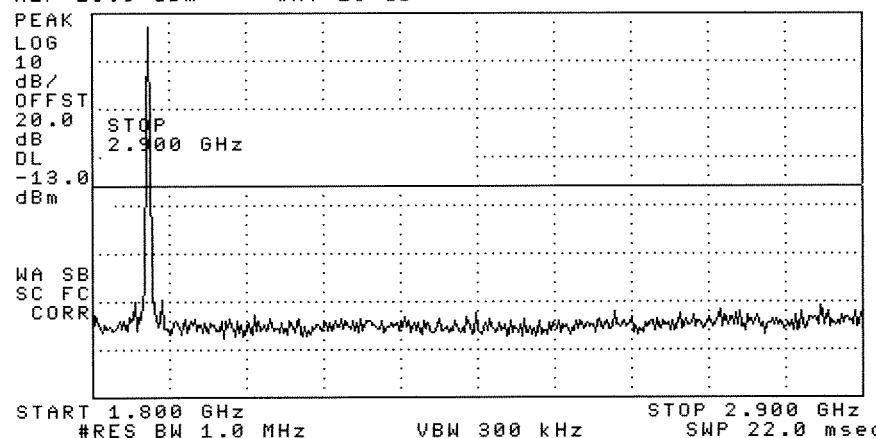
More
1 of 3

CH 600
PCS
PC3
R-FCH + RSCH
+ R-PICH

ΦH Z
TO
1.956 GHz

09:01:44 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CENTER
FREQ

START
FREQ

STOP
FREQ

CF STEP
AUTO MAN

SWEEP
LOG LIN

More
1 of 2

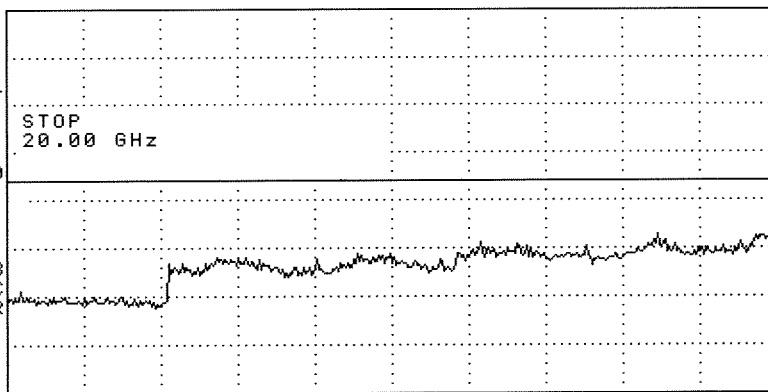
CH 600
PCS
PC3
R-FCH + RSCH
+ R-PICH

1.8 GHz
TO
2.9 GHz

09:02:10 APR 22, 2002

REF 23.0 dBm #AT 20 dB

PEAK
LOG
10
dB/
OFFST
20.0
dB
DL
-13.0
dBm



START 2.90 GHz STOP 20.00 GHz
#RES BW 1.0 MHz VBW 300 kHz SWP 351 msec

CENTER
FREQ

START
FREQ

STOP
FREQ

CF STEP
AUTO MAN

SWEEP
LOG LIN

More
1 of 2

CH 600

PCS

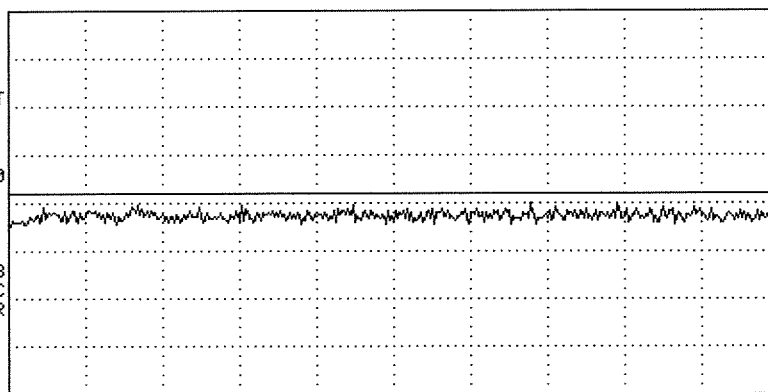
RC 3

R-FCH + R-SCH
+ R-PCH

09:04:34 APR 22, 2002

REF -42.0 dBm #AT 0 dB

PEAK
LOG
10
dB/
OFFST
20.0
dB
DL
-80.0
dBm



CENTER 1.96000 GHz SPAN 60.00 MHz
#RES BW 3.0 kHz VBW 3 kHz SWP 20.0 sec

CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

More
1 of 4

CH 600

PCS

RC 3

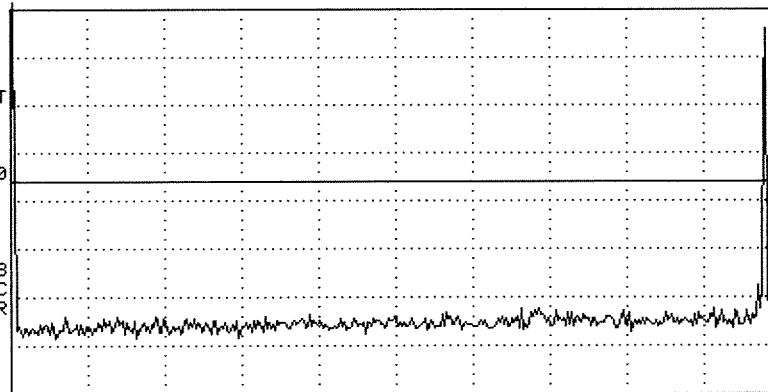
R-FCH + R-SCH
+ R-PCH

RX BAND

09:05:58 APR 22, 2002

REF 23.0 dBm #AT 20 dB

PEAK
LOG
10
dB/
OFFST
20.0
dB
DL
-13.0
dBm



START 0 Hz STOP 1.950 GHz
#RES BW 1.0 MHz VBW 300 kHz SWP 39.0 msec

MARKER
NORMAL

MARKER
A

MARKER
AMPTD

SELECT
1 2 3 4

MARKER 1
ON OFF

More
1 of 3

CH 1175

PCS

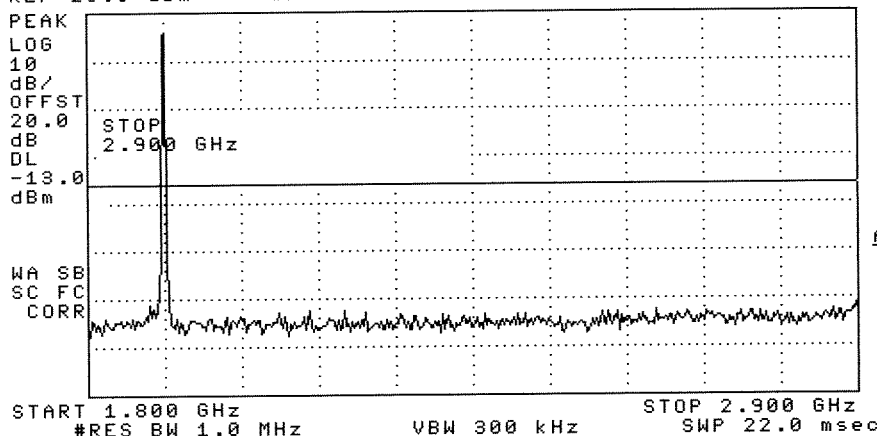
RC 3

R-FCH + R-SCH
+ R-PCH

0 Hz TO
1.950 GHz

09:07:31 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CENTER
FREQ

START
FREQ

STOP
FREQ

CF STEP
AUTO MAN

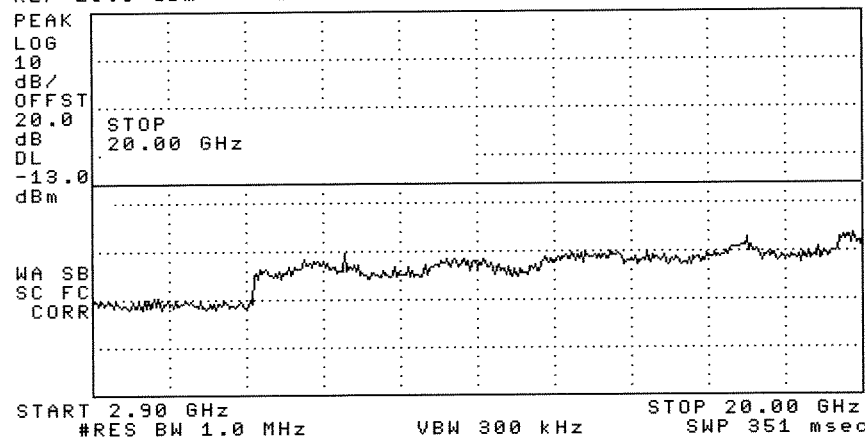
SWEEP
LOG LIN

More
1 of 2

CH 1175
PCS
RC3
R-FCH + R-SCH
+ R-PICH
1.8 GHz TO
2.9 GHz

09:07:56 APR 22, 2002

REF 23.0 dBm #AT 20 dB



CENTER
FREQ

START
FREQ

STOP
FREQ

CF STEP
AUTO MAN

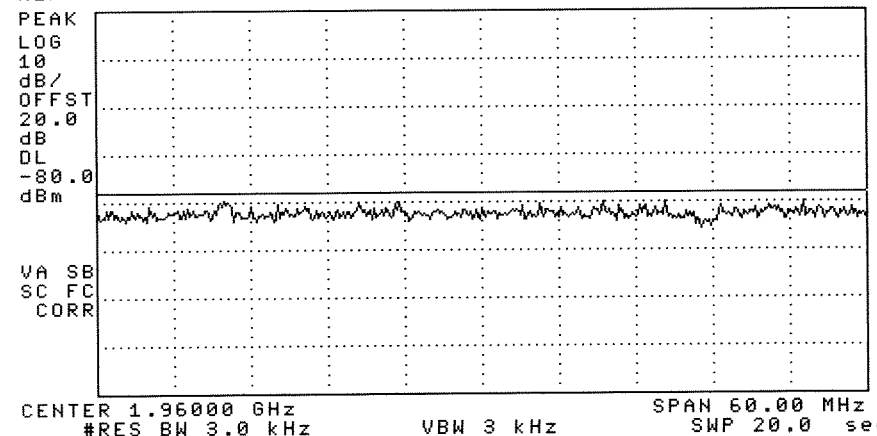
SWEEP
LOG LIN

More
1 of 2

CH 1175
PCS
RC3
R-FCH + R-SCH
+ R-PICH
2.9 GHz TO
20.0 GHz

09:09:58 APR 22, 2002

REF -42.0 dBm #AT 0 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

More
1 of 4

CH 1175
PCS
RC3
R-FCH + R-SCH
+ R-PICH
Rx Band