



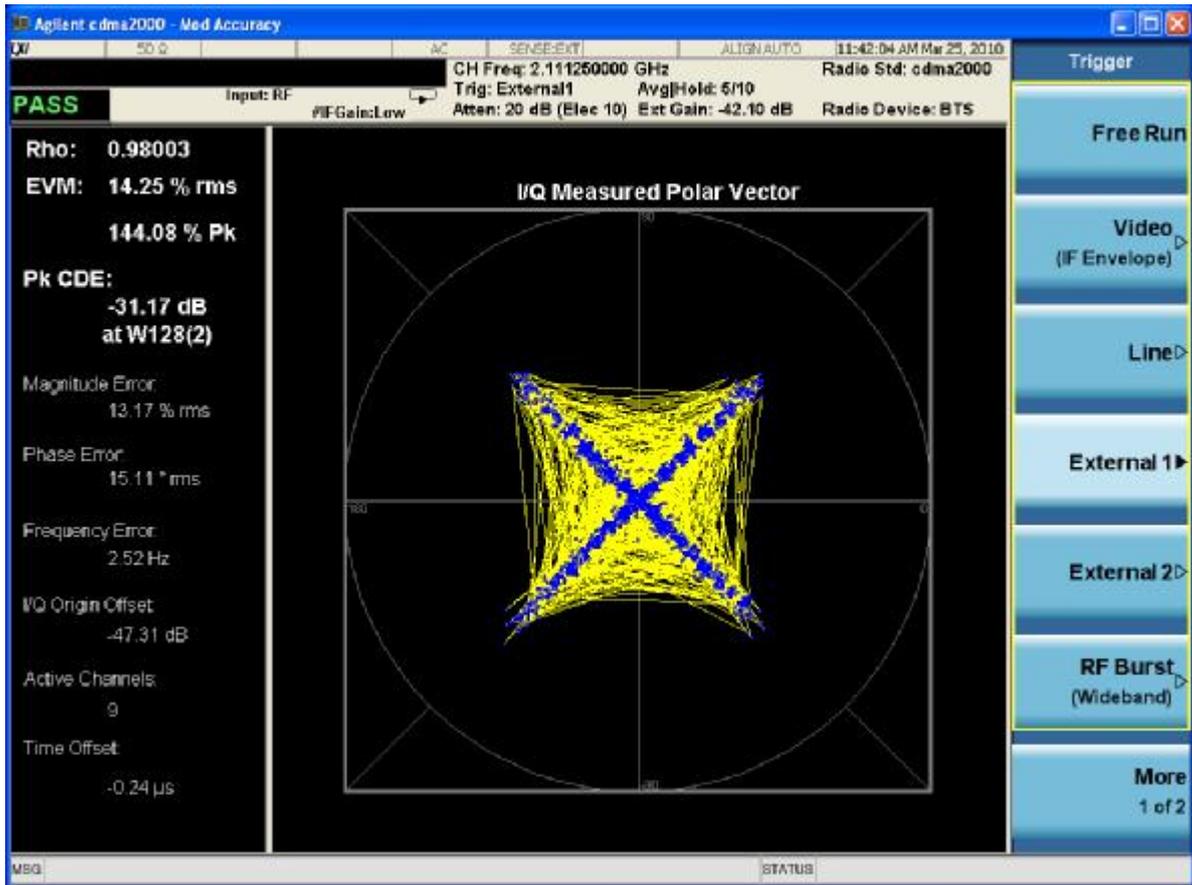
Appendix A

Modulation Characteristic Measurement

According to CFR 47 (FCC) part 2.1047

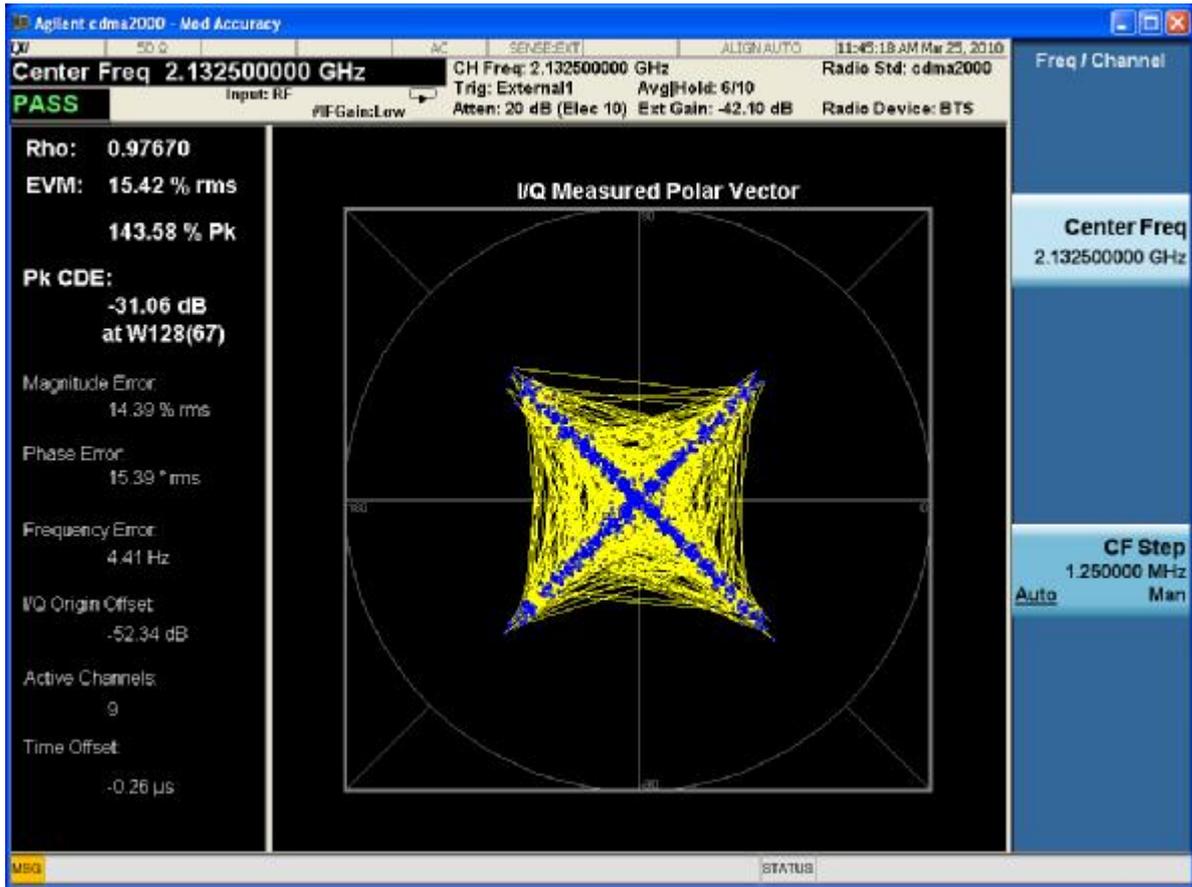


1) CDMA2000 1X: RC1 Channel 25



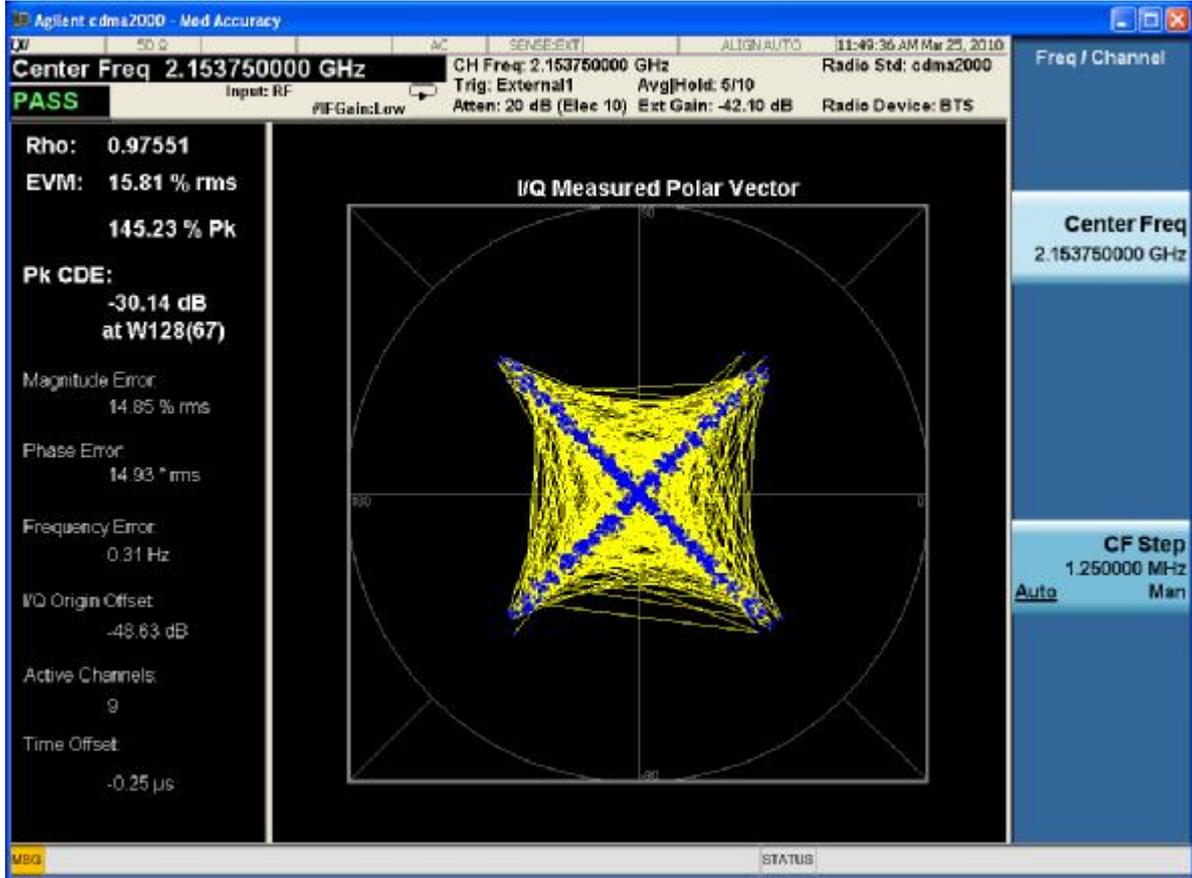


Channel450





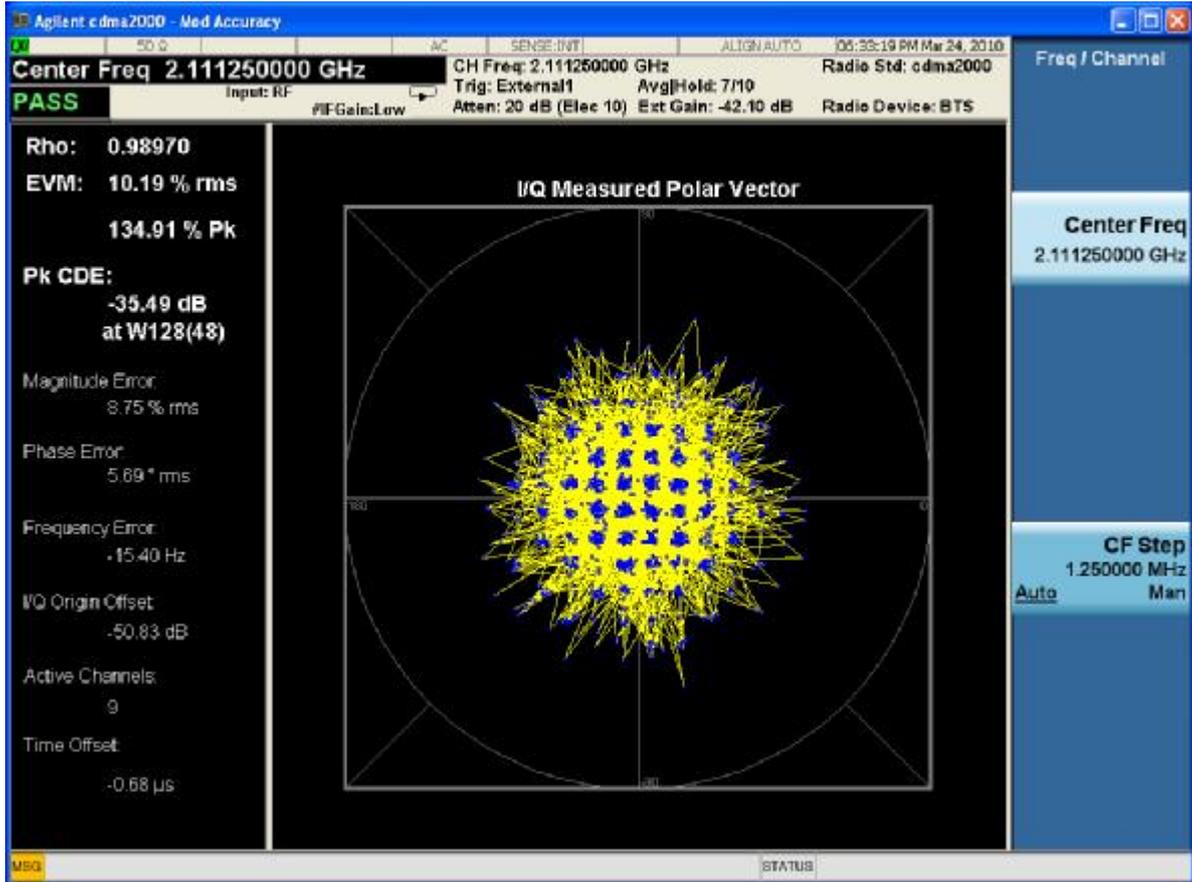
Channel 875





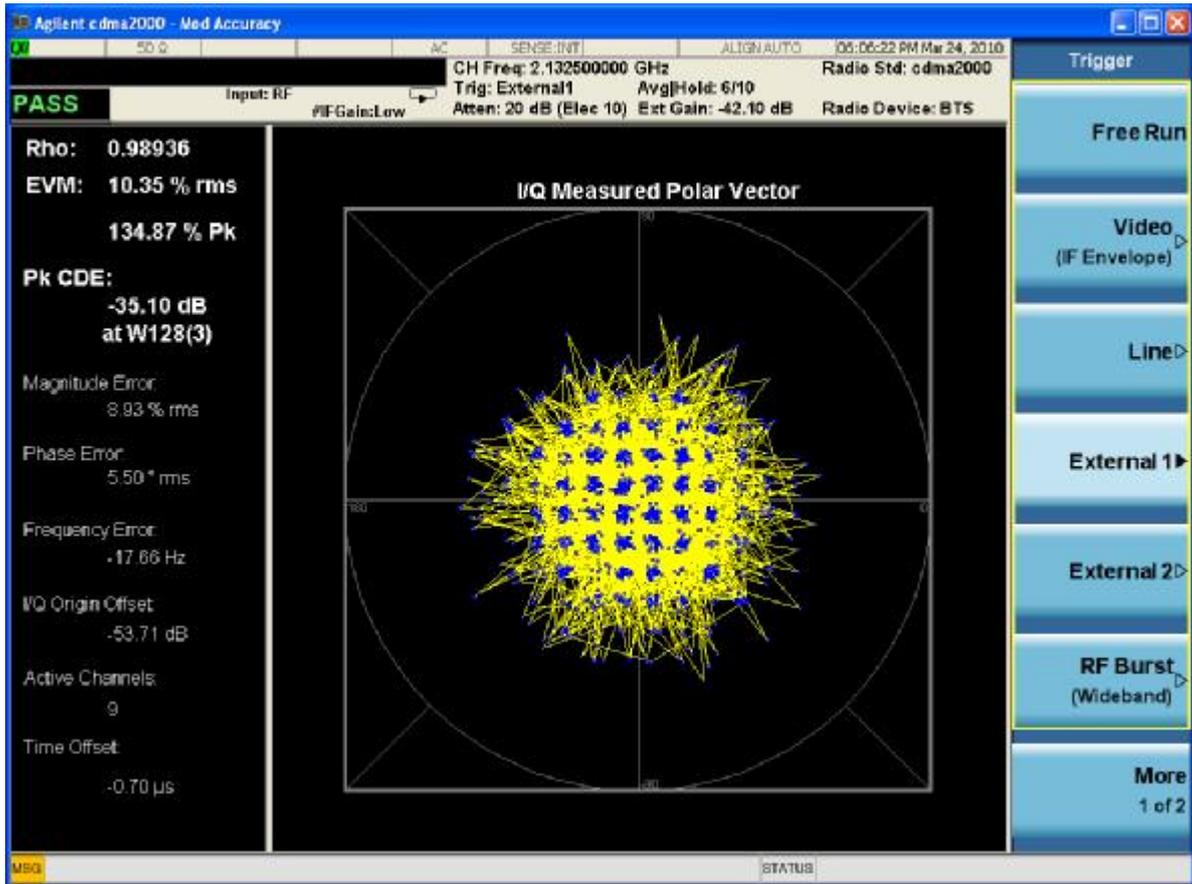
RC3

Channel 25



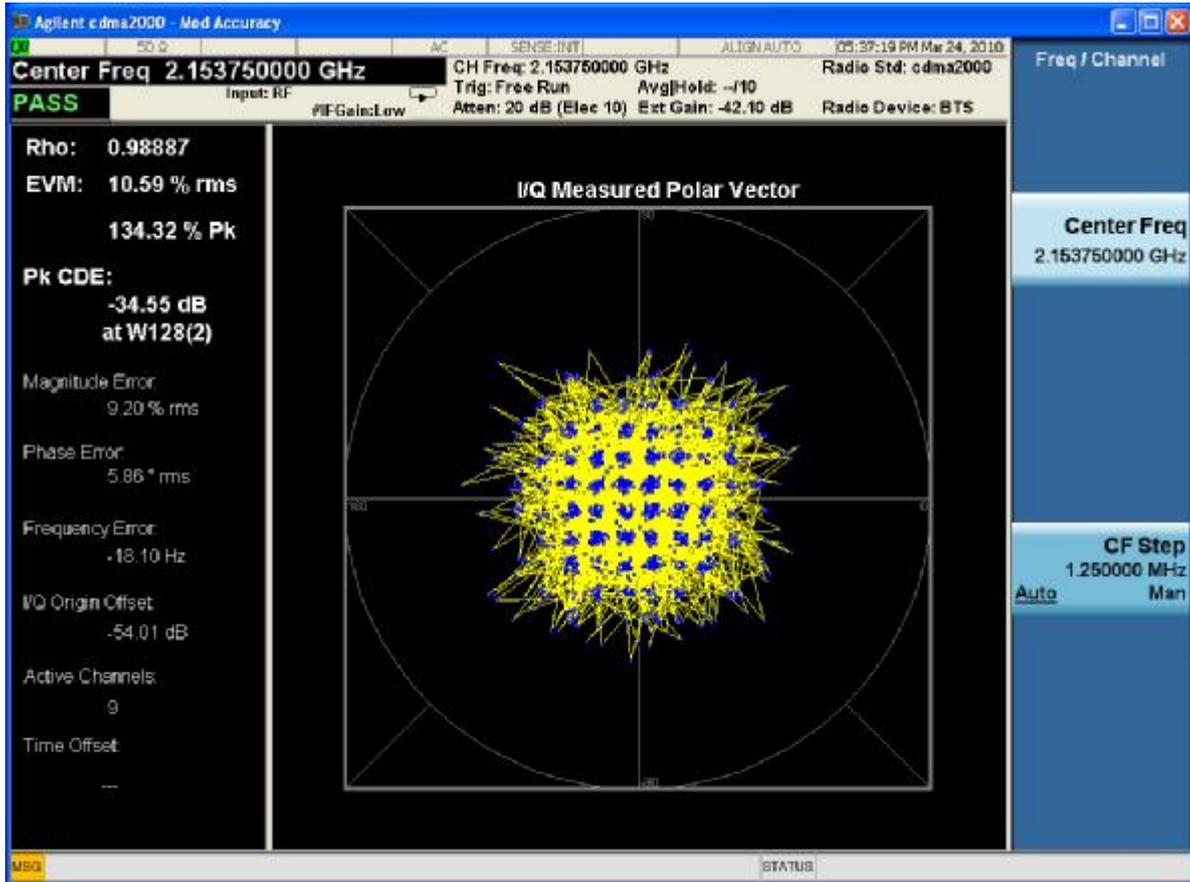


Channel 450



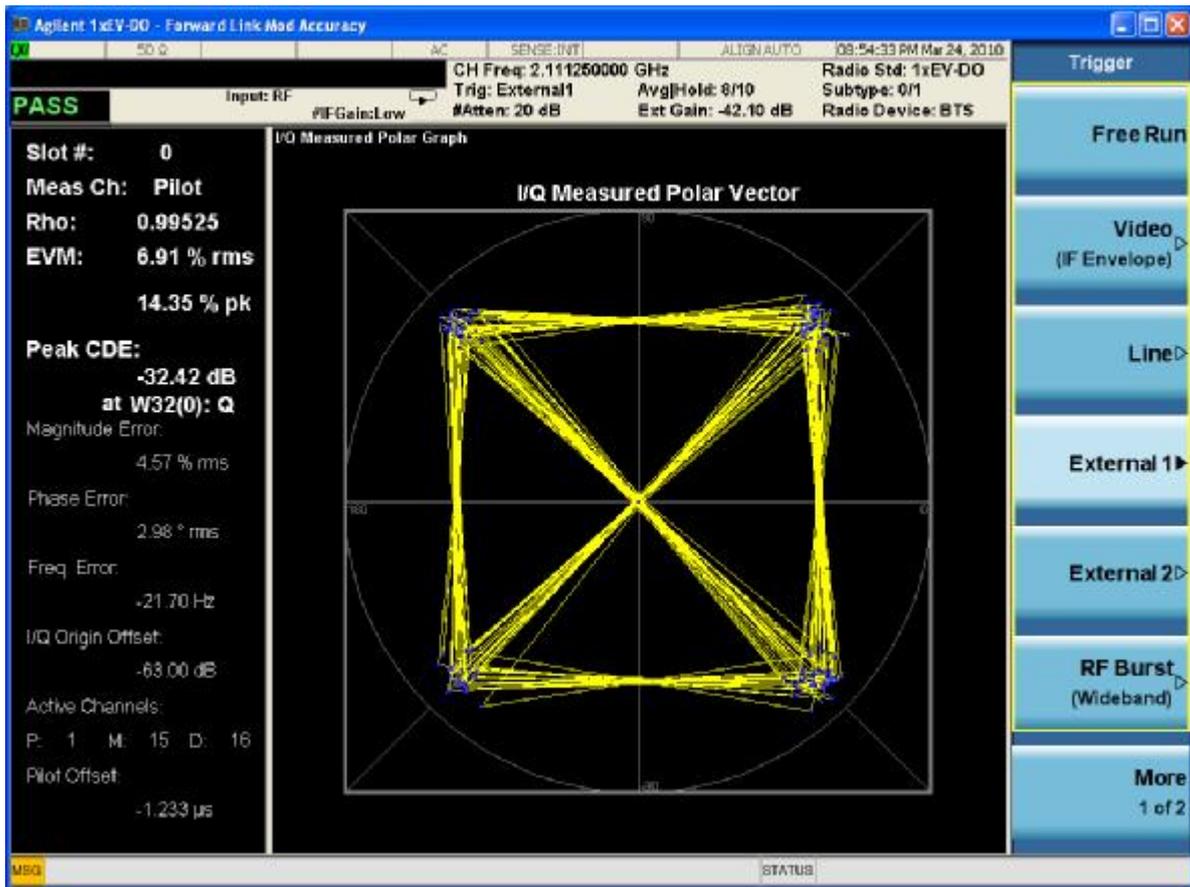


Channel 875



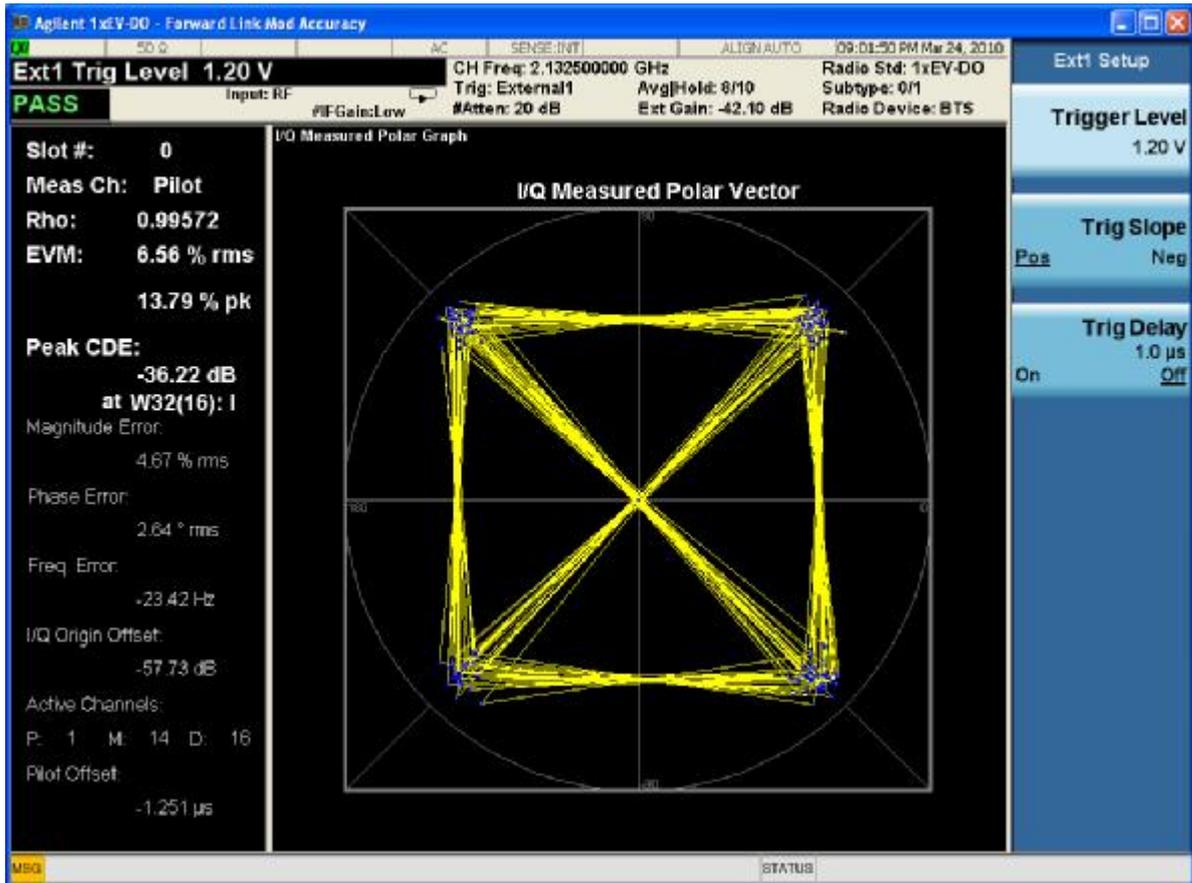


2) CDMA2000 1X EV-DO: Channel 25



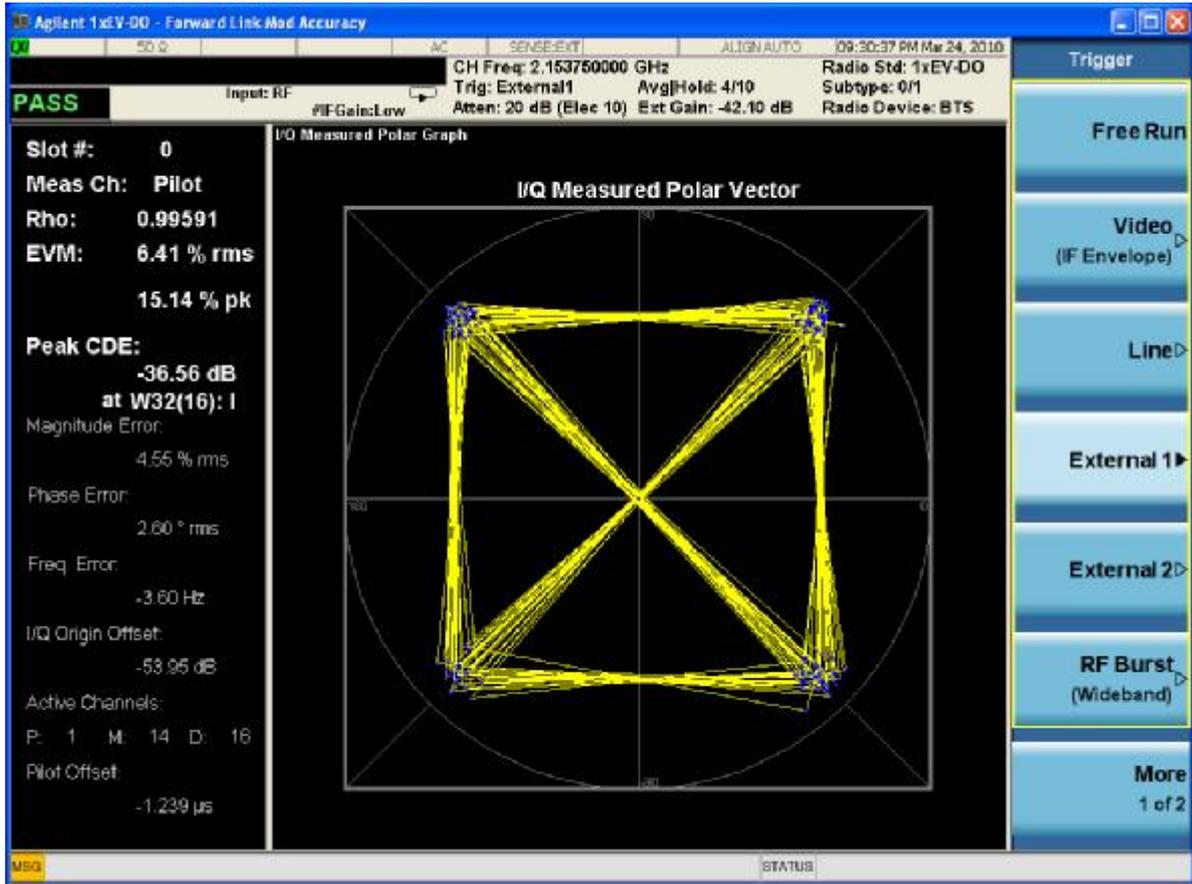


Channel 450



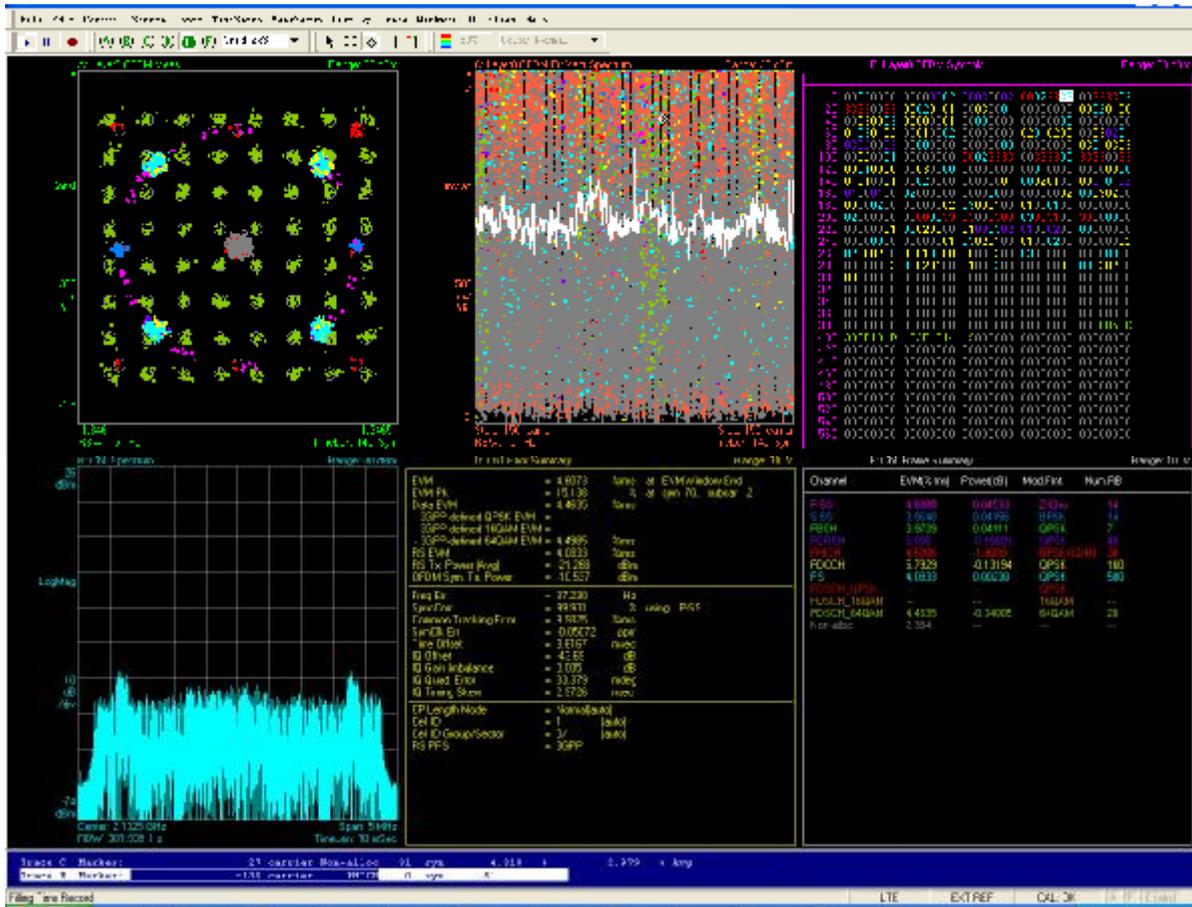


Channel 875





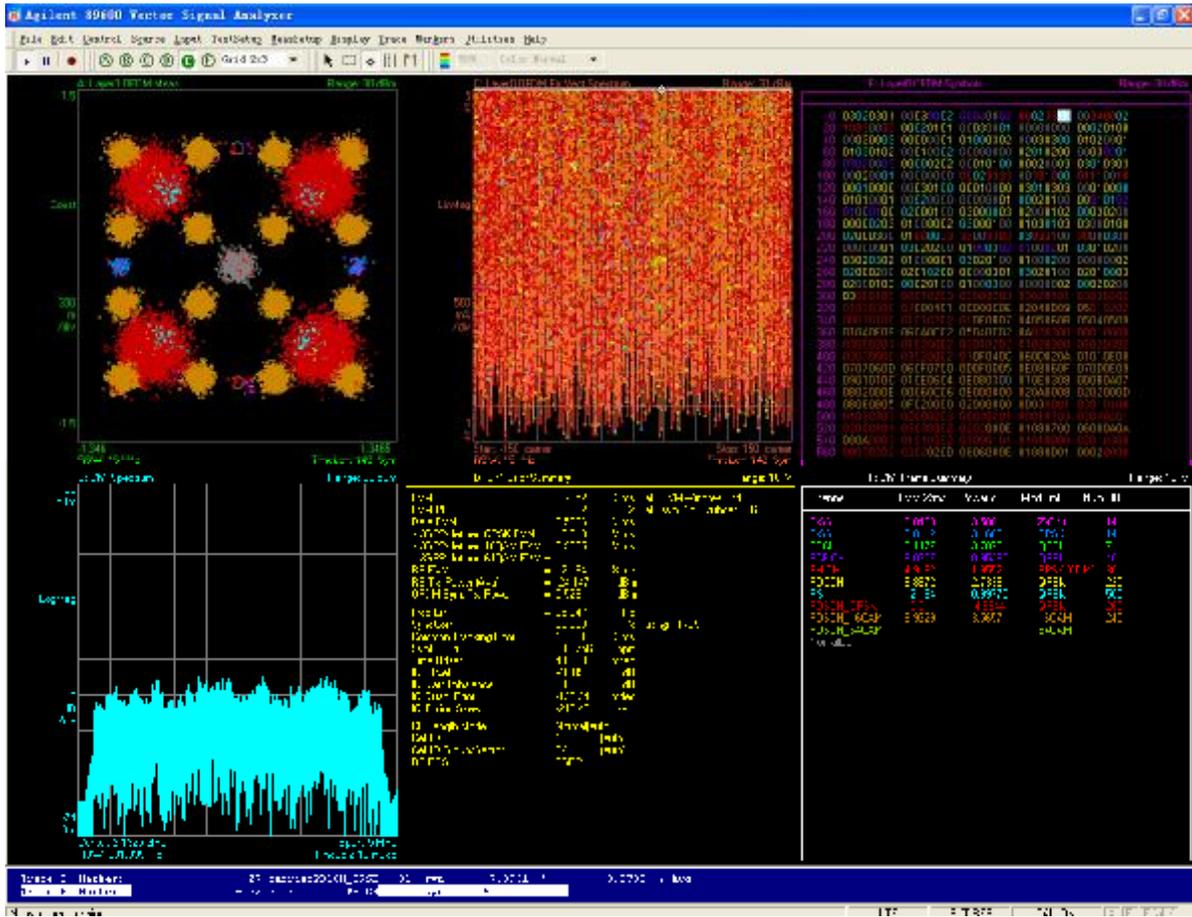
3) LTE 5MHz bandwidth TM2.0: 64QAM Channel 2175





TM3.3: QPSK

Channel 2175





Appendix B

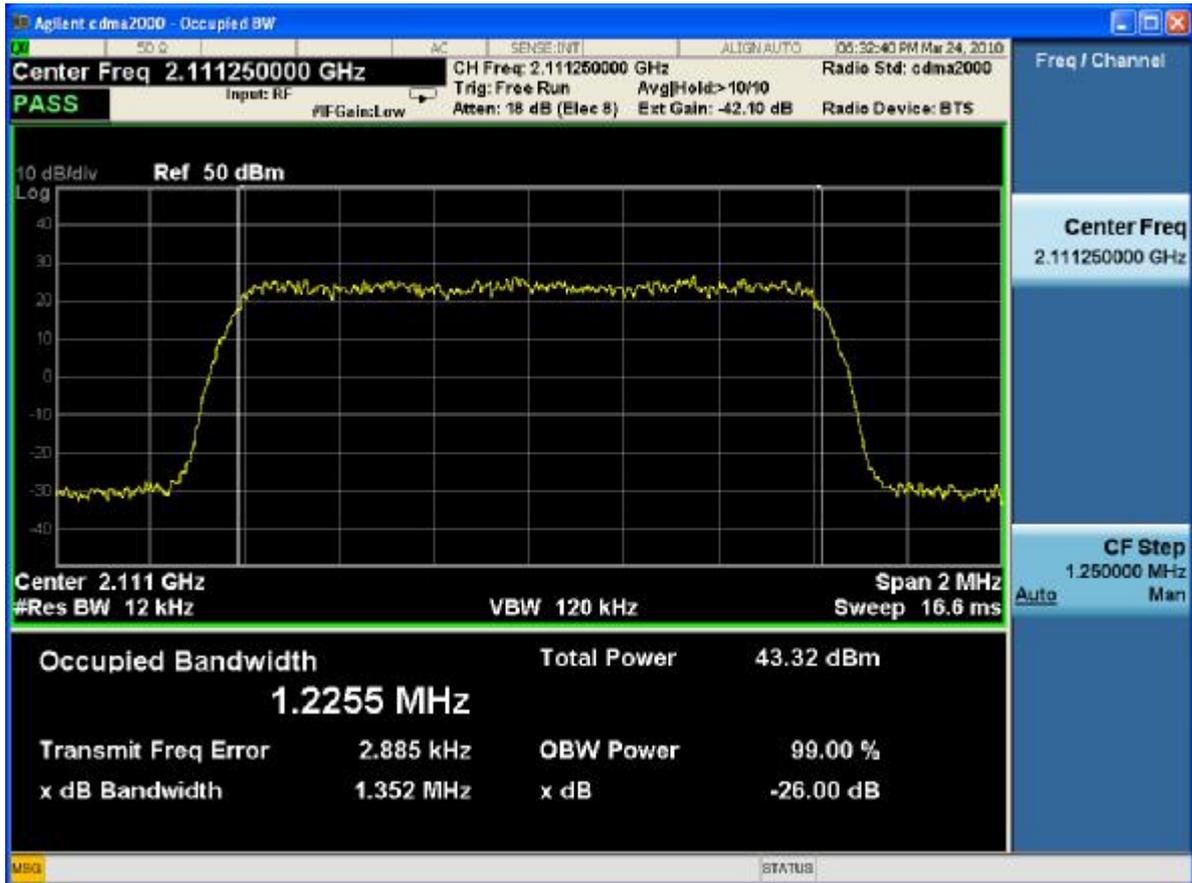
Occupied Bandwidth Measurement

According to CFR 47 (FCC) part 2.1049



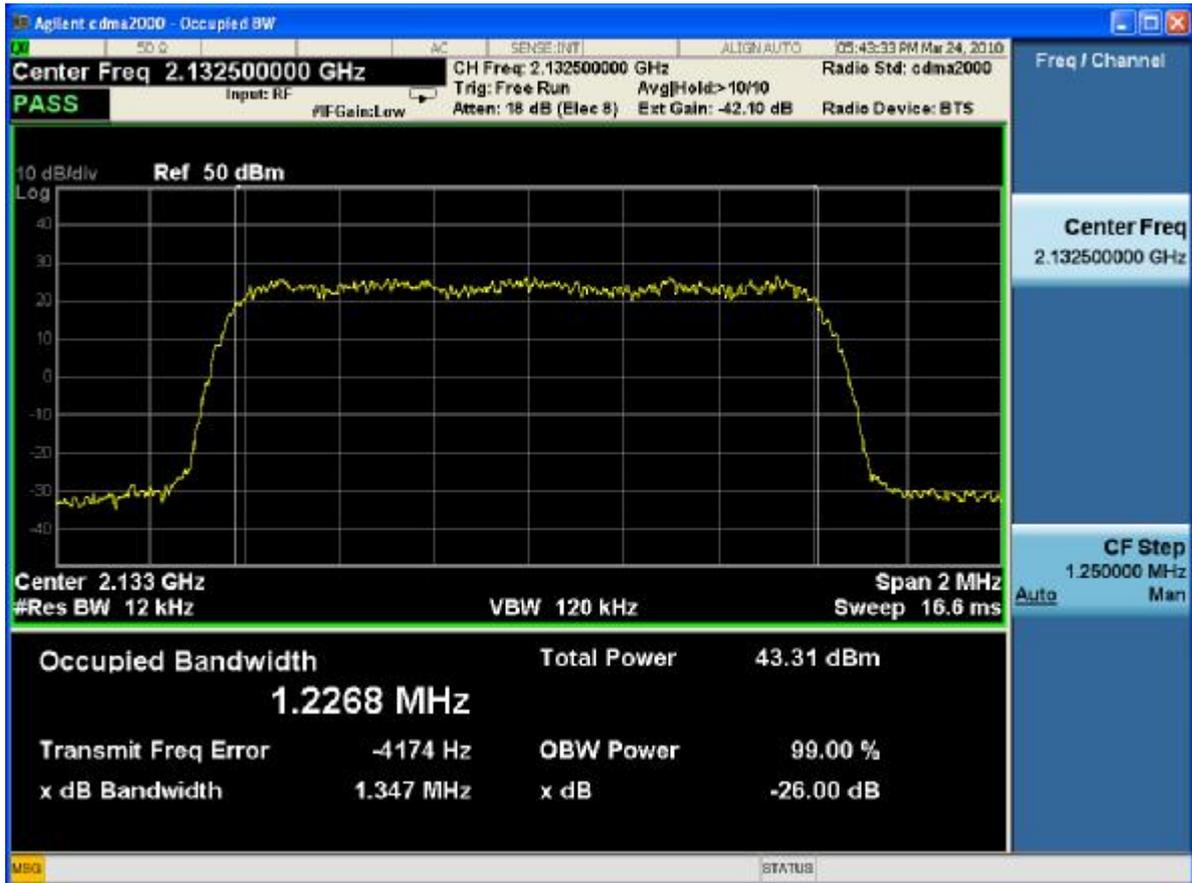
CDMA2000 1X

Channel 25





Channel 450



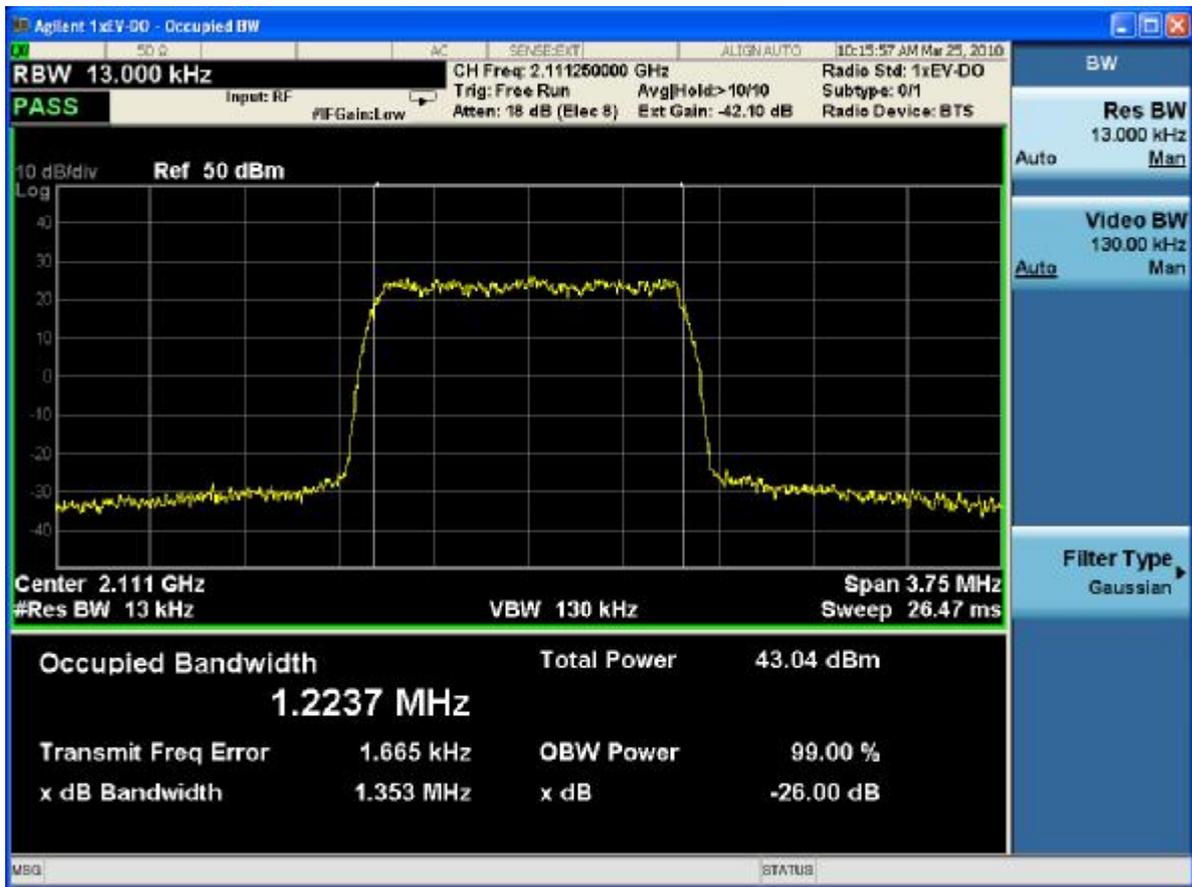


Channel 875



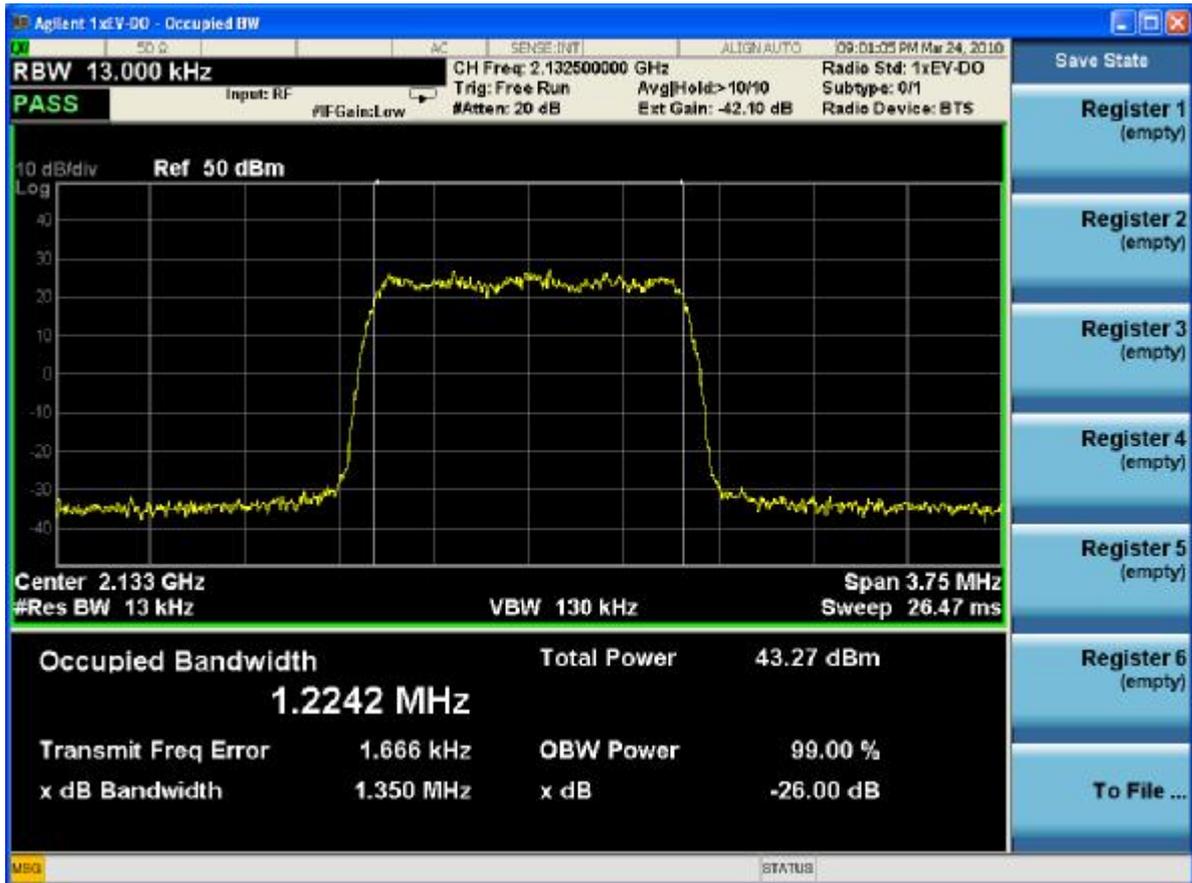


CDMA2000 1X EV-DO Channel 25



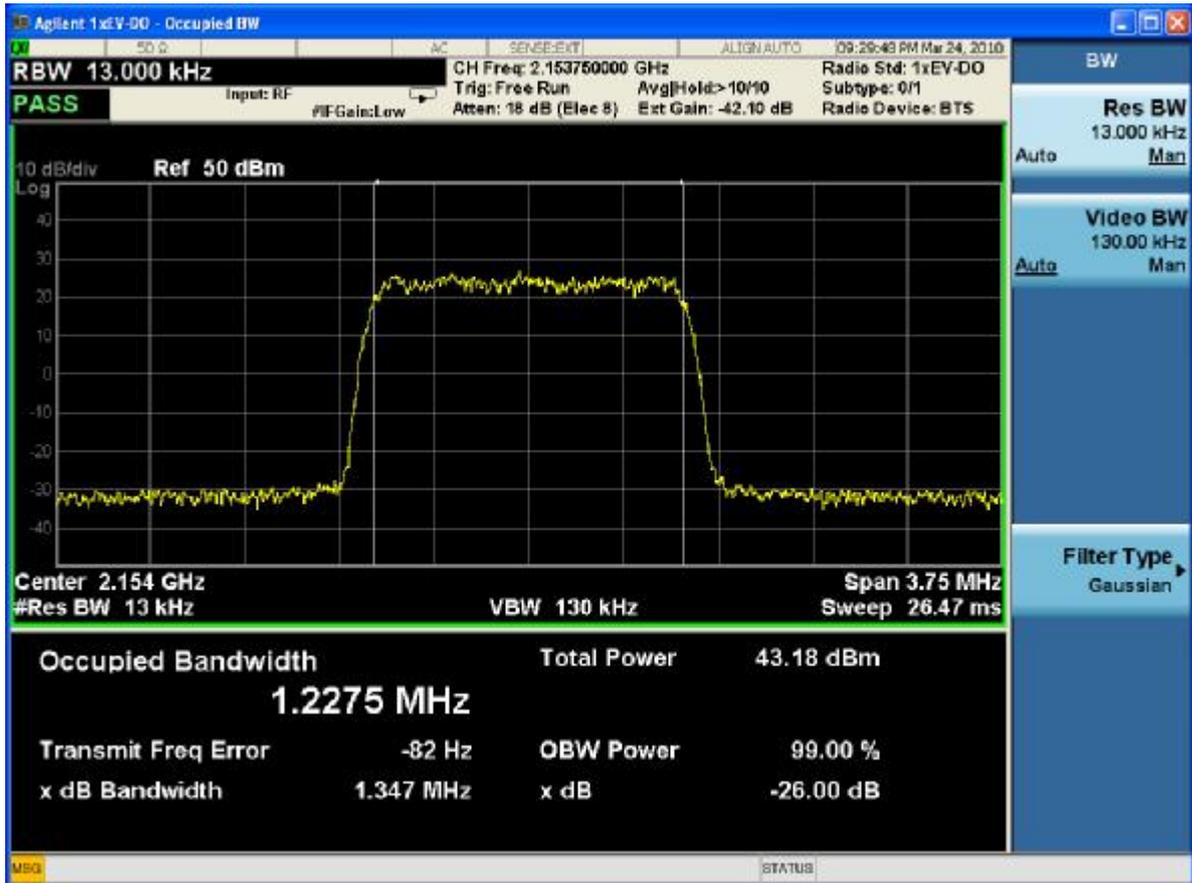


Channel 450





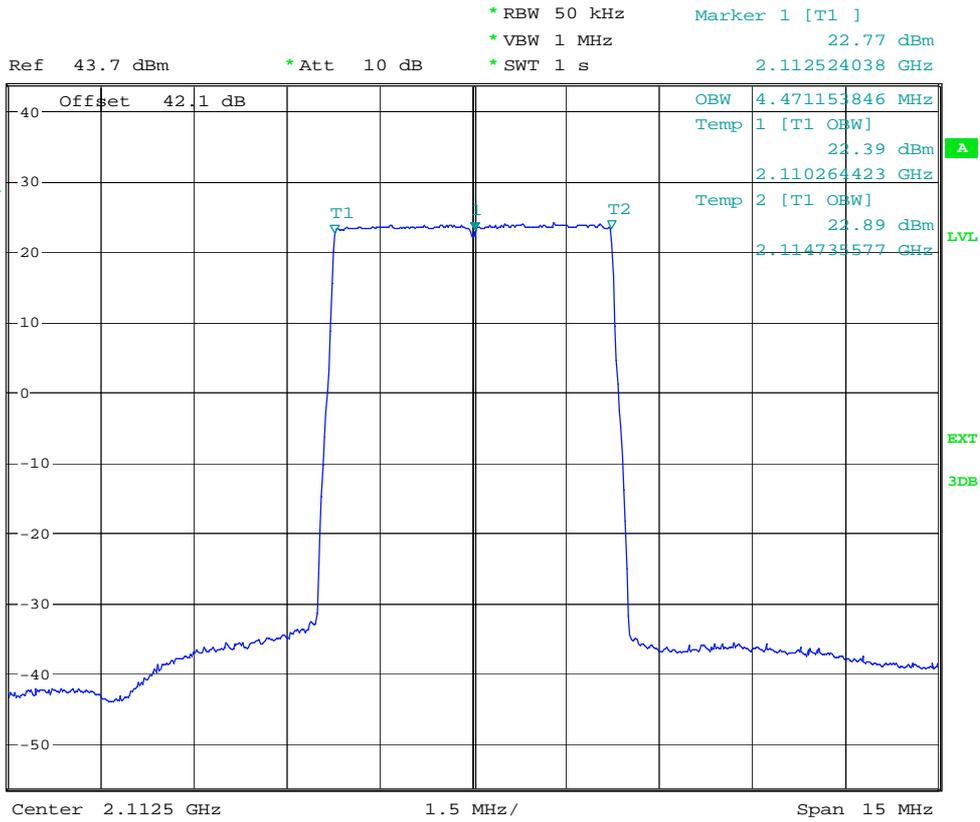
Channel 875





LTE 5MHz bandwidth E-TM1.1

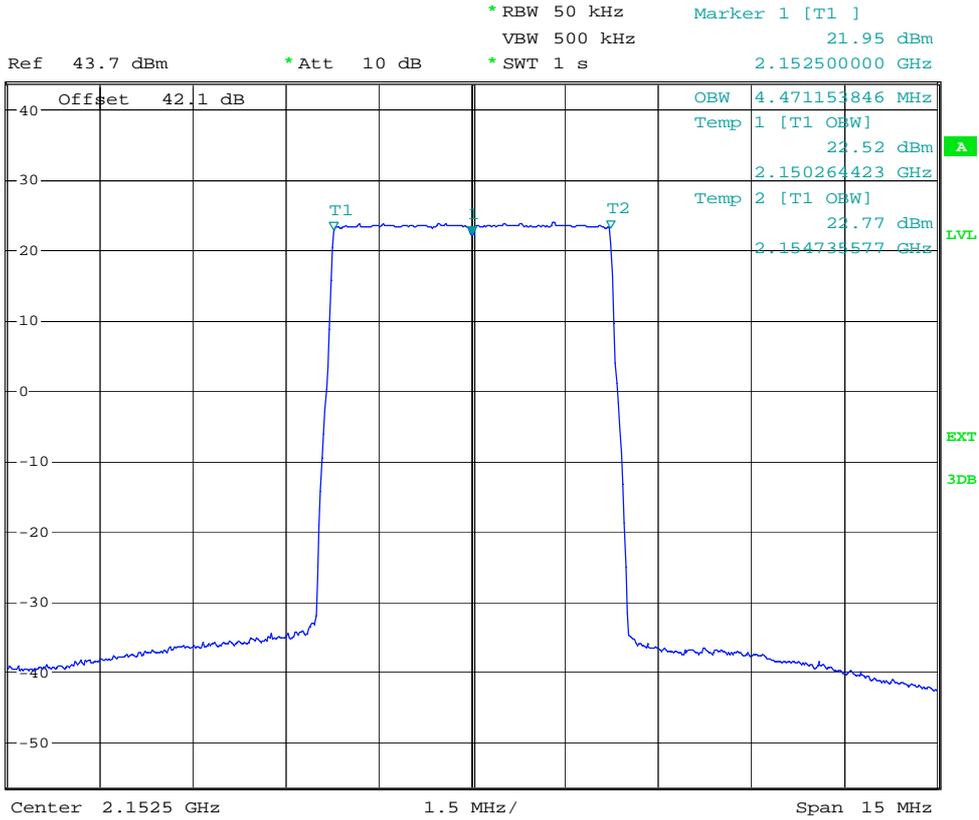
Channel 1975



Date: 22.APR.2010 15:37:17



Channel 2375



Date: 22.APR.2010 16:19:33



Appendix C

Band Edge Measurements According to FCC Part 2.1051 & 27.53(g)



CDMA2000 1X:

A. Single Carrier:

Channel 25 (2111.25 MHz)





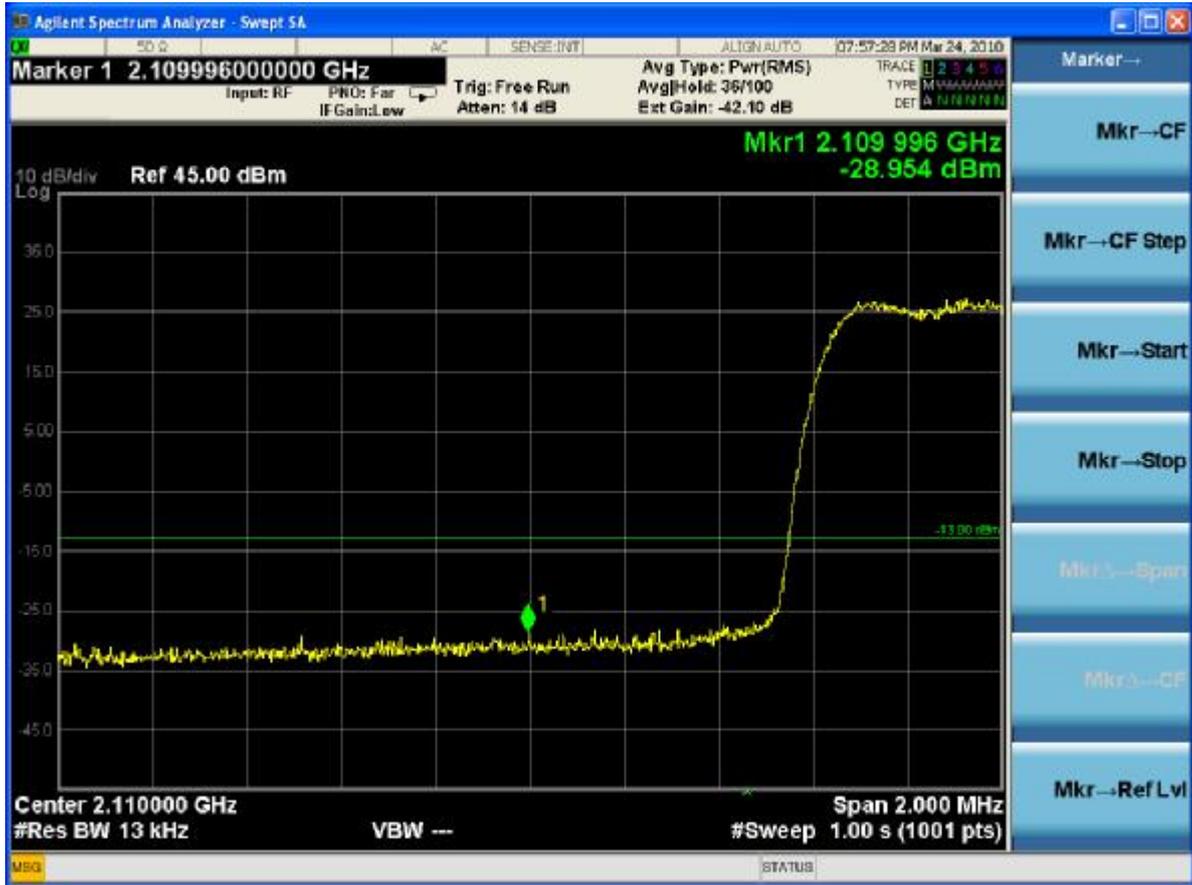
Channel 875 (2153.75 MHz)





B. Multiple Carriers:

Channel Number: 25/50/75





Channel Number: 825/850/875

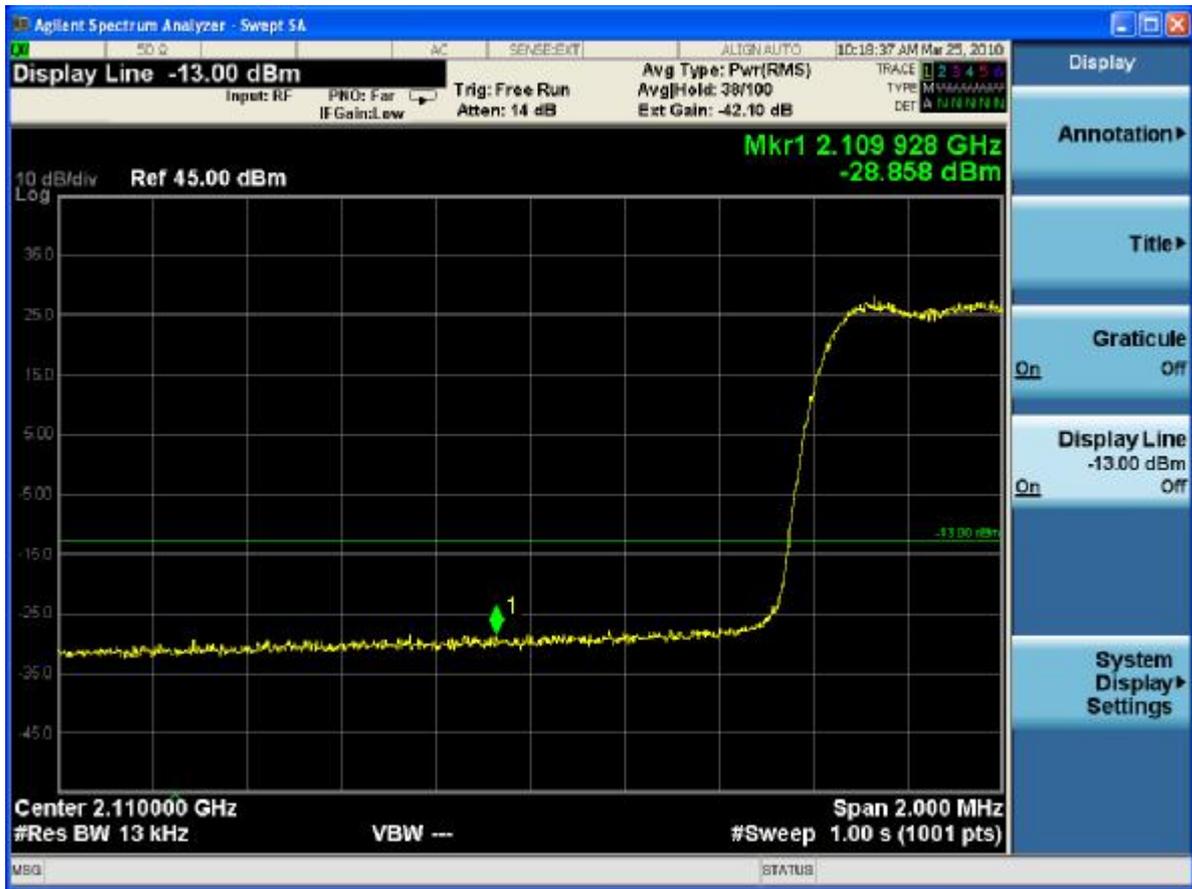




CDMA2000 EVDO:

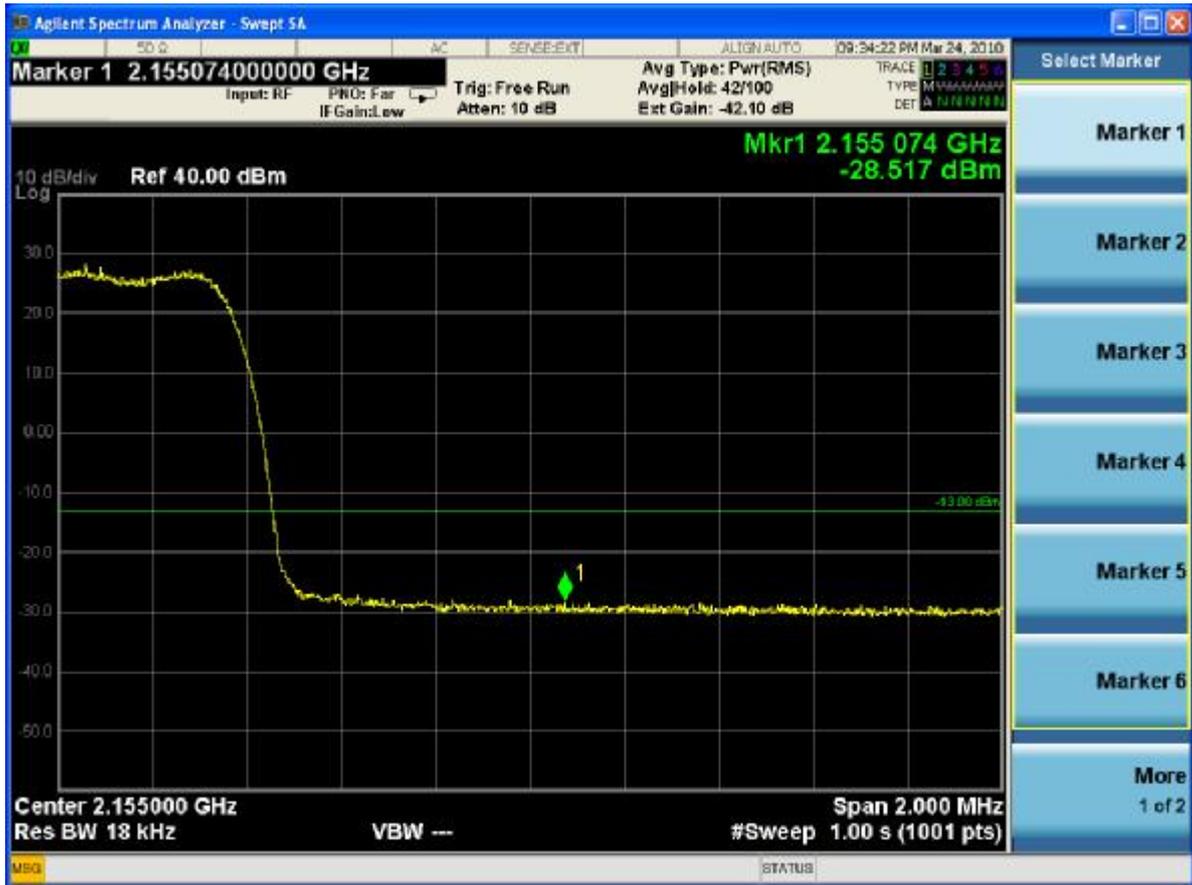
A. Single Carrier:

Channel 25 (2111.25 MHz)





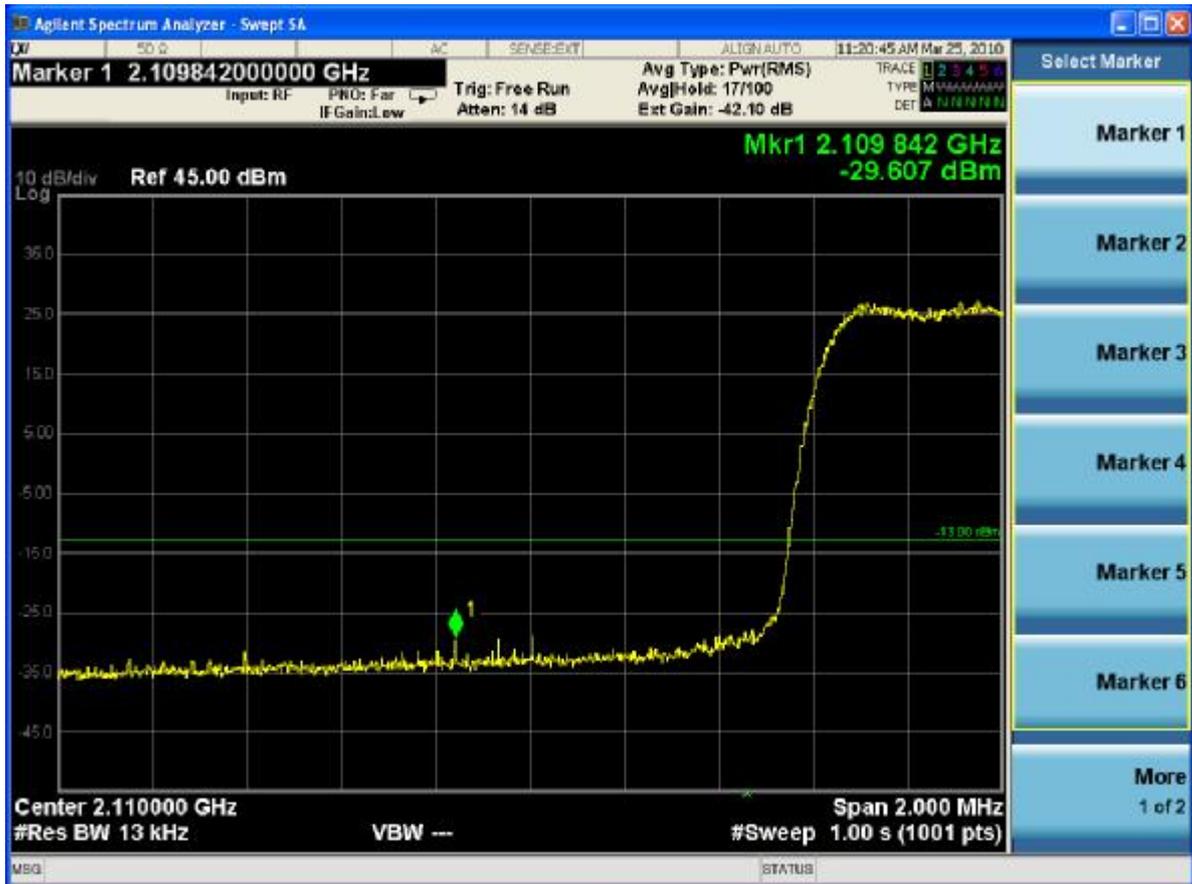
Channel 875 (2153.75 MHz)





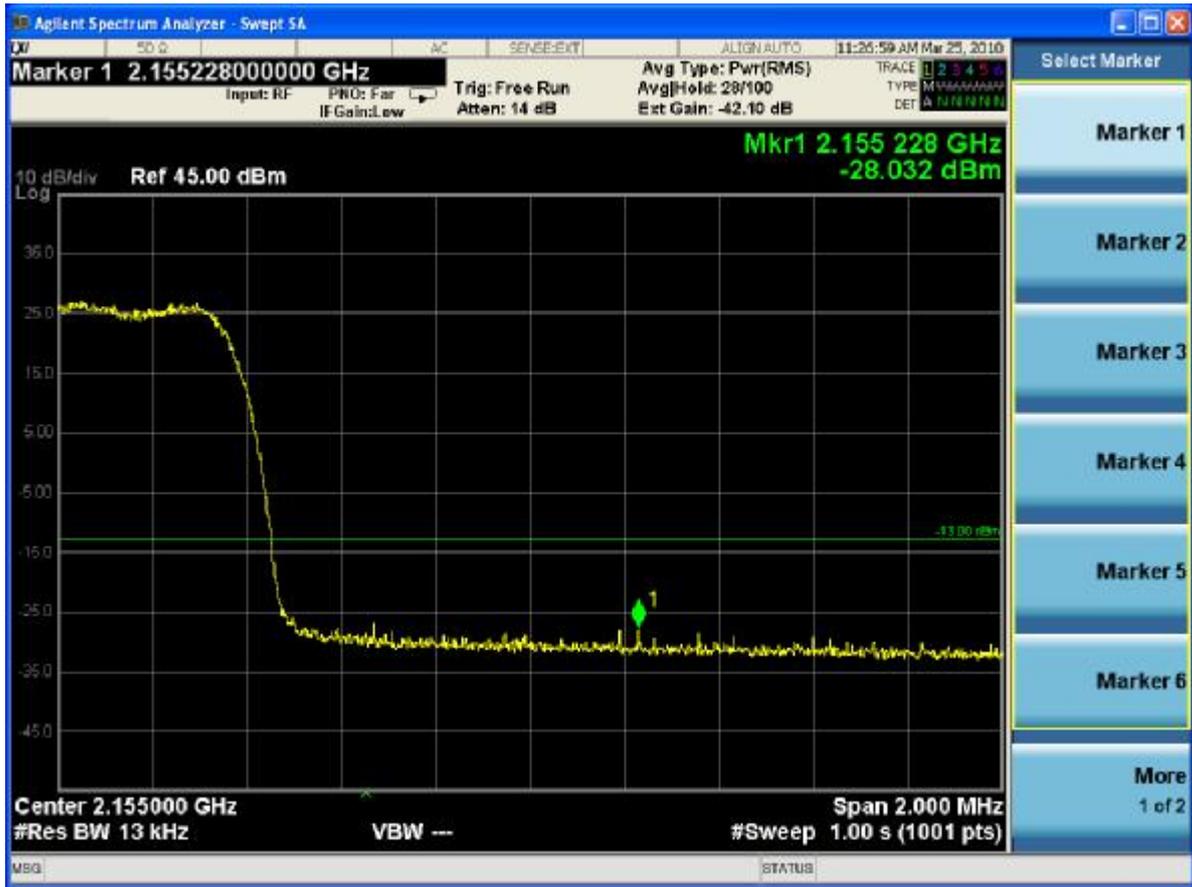
B. Multiple Carriers:

Channel Number: 25/50/75



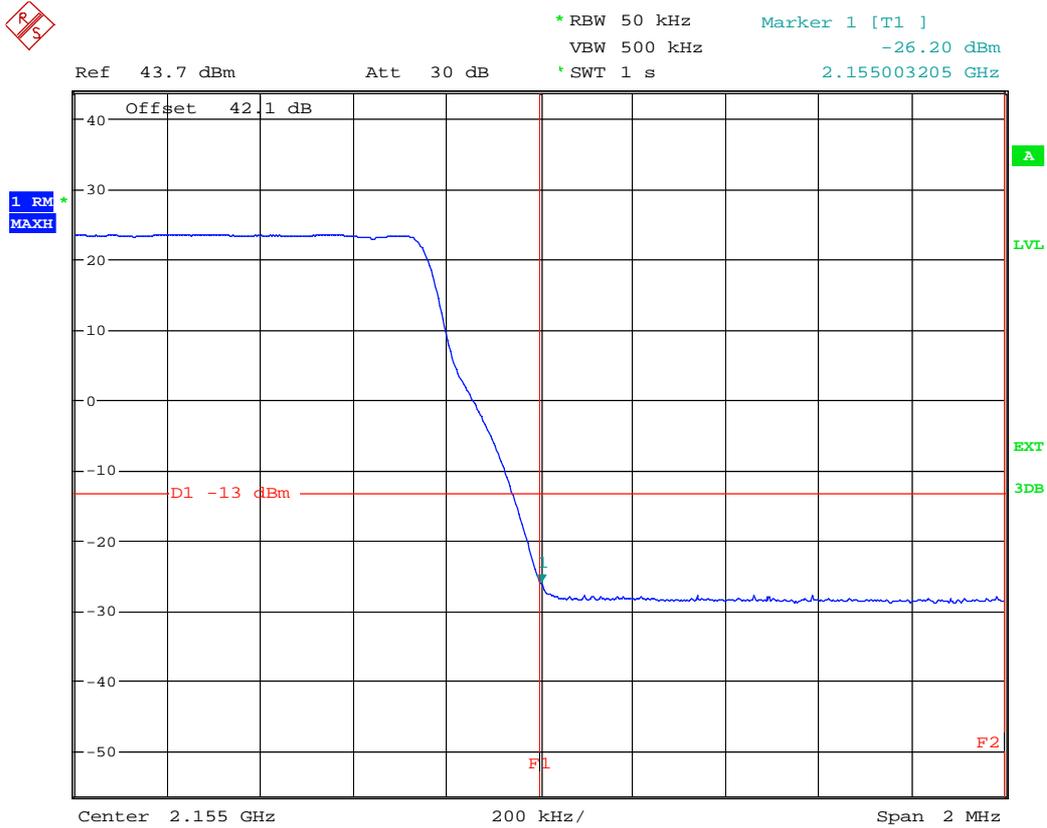


Channel Number: 825/850/875





Channel 2375 (2152.5 MHz)

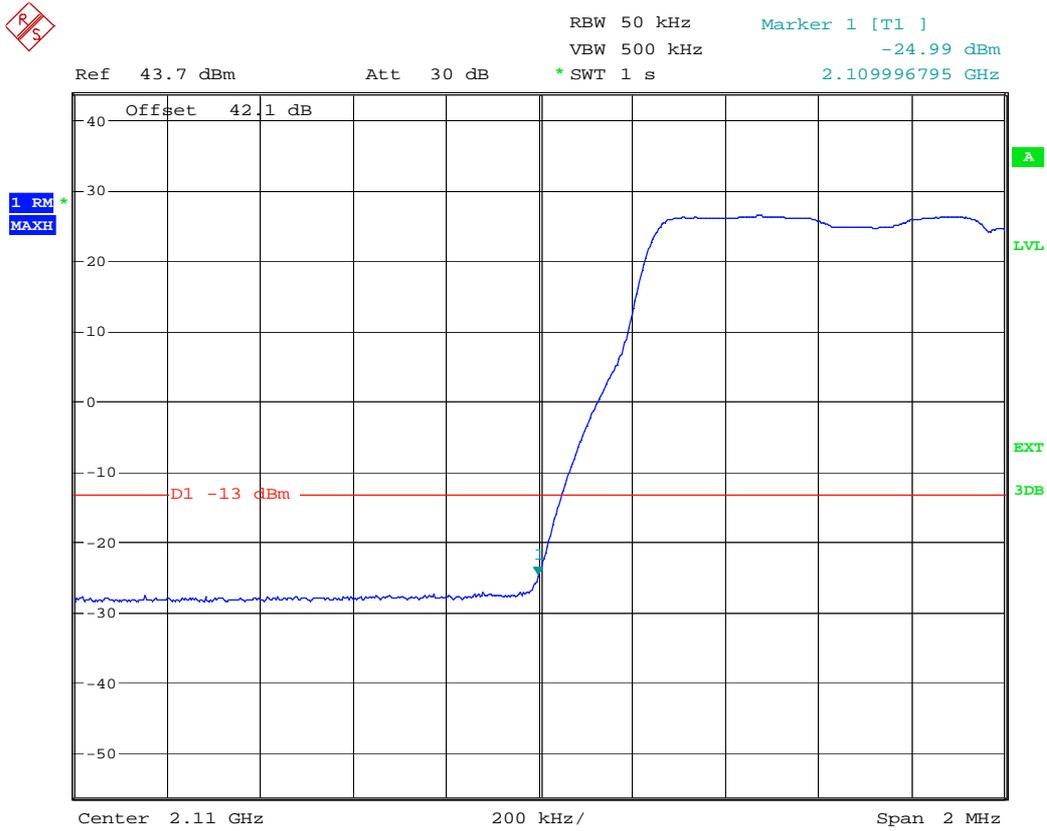


Date: 22.APR.2010 16:21:58



B. E-TM1.2

Channel1975(2112.5 MHz)



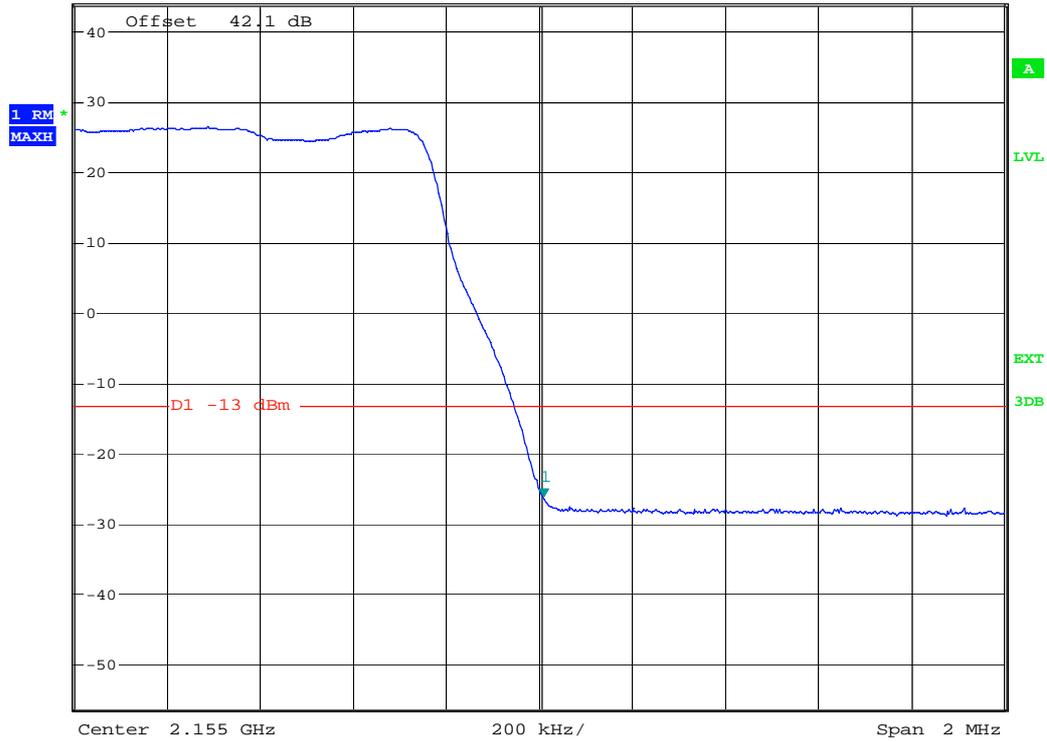
Date: 22.APR.2010 18:06:25



Channel 2375 (2152.5 MHz)



Ref 43.7 dBm Att 30 dB RBW 50 kHz Marker 1 [T1]
VBW 500 kHz -26.30 dBm
SWT 1 s 2.155009615 GHz



Date: 22.APR.2010 17:16:11



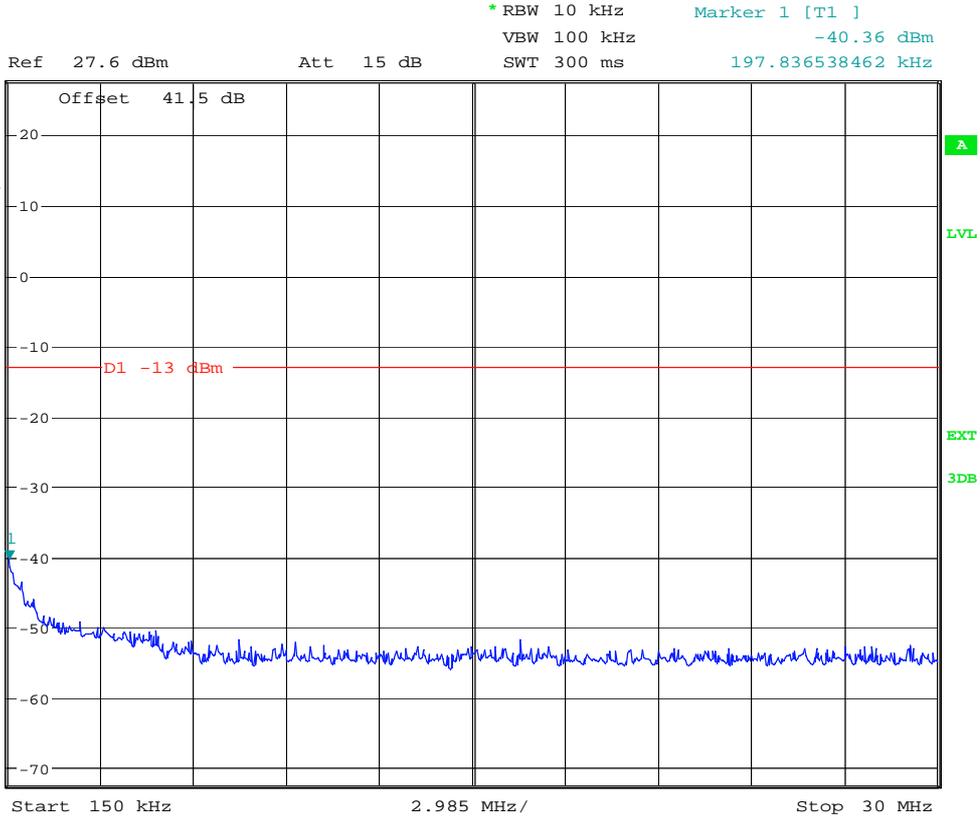
Appendix D

Conducted Spurious Emission Measurements

According to FCC Part 2.1051 & 27.53(g)



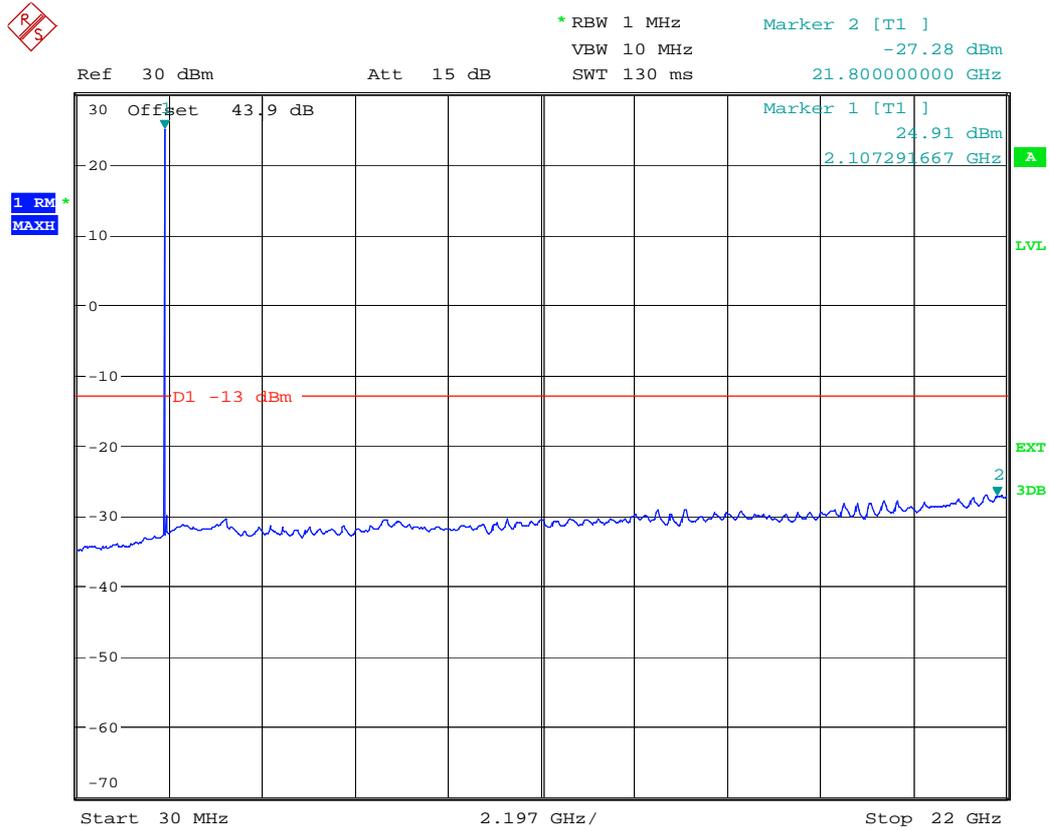
(150k ~ 30M)



Date: 30.MAR.2010 15:32:08



(30M~ 22G)

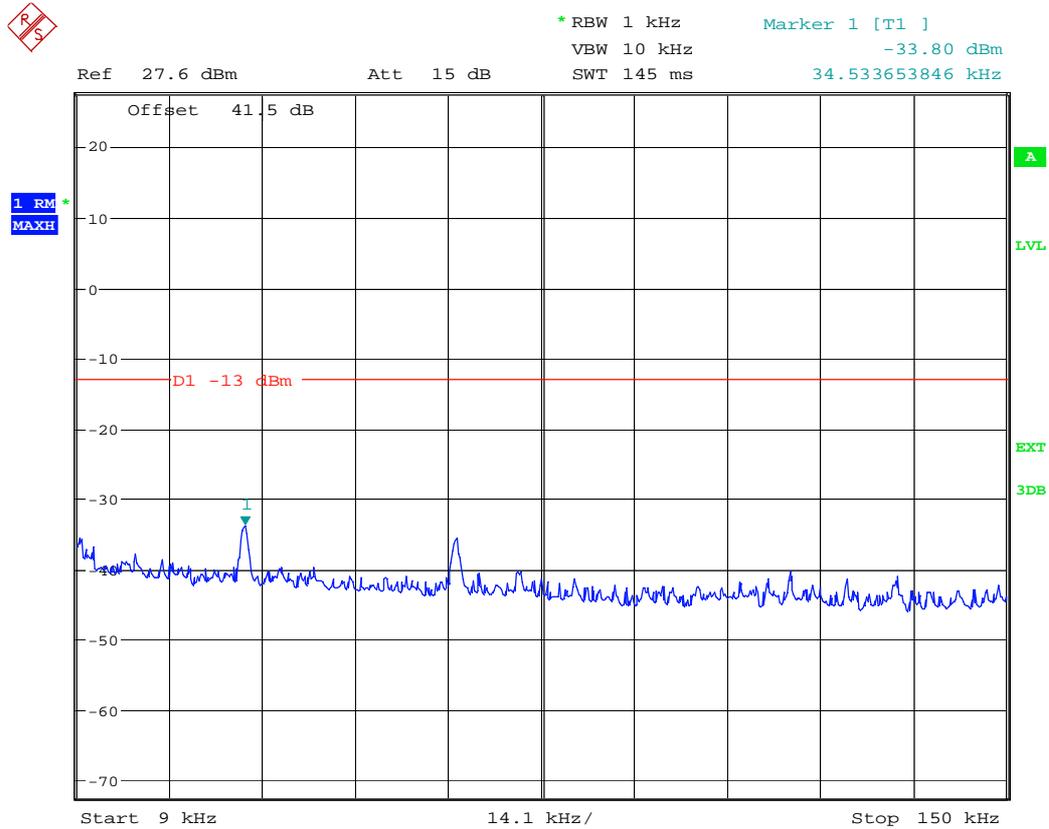


Date: 30.MAR.2010 15:30:41



Channel Number: 450

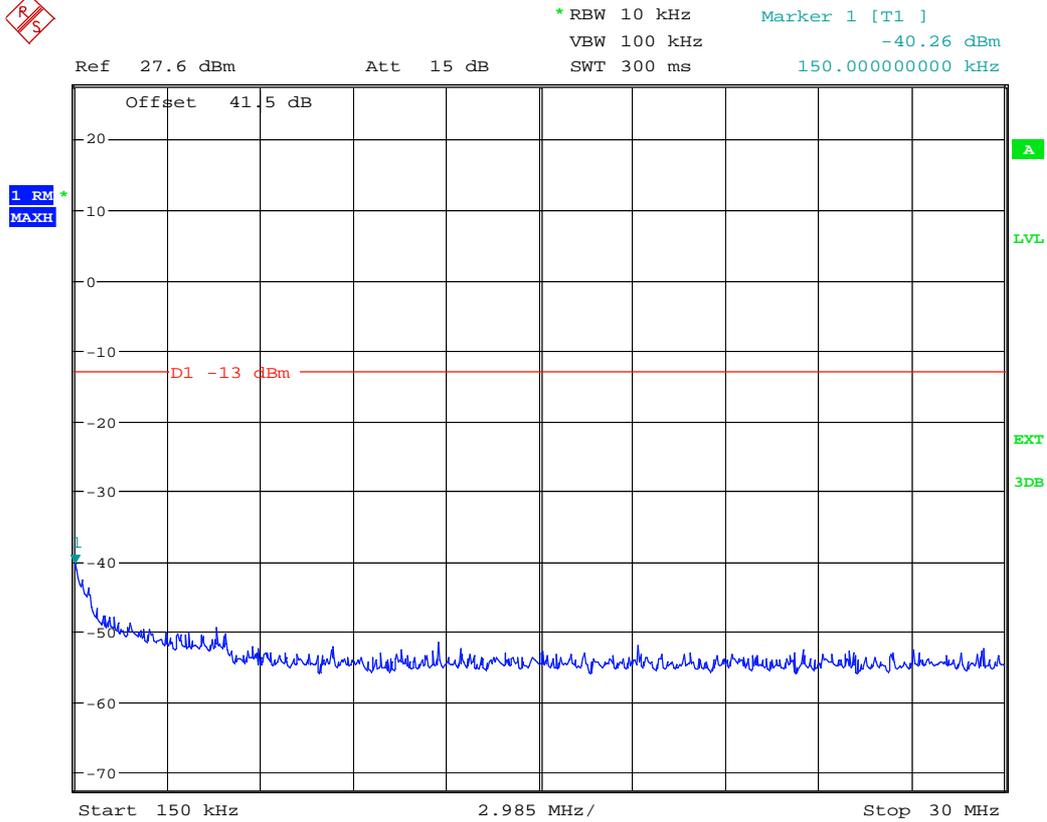
(9k ~ 150k)



Date: 30.MAR.2010 15:36:37



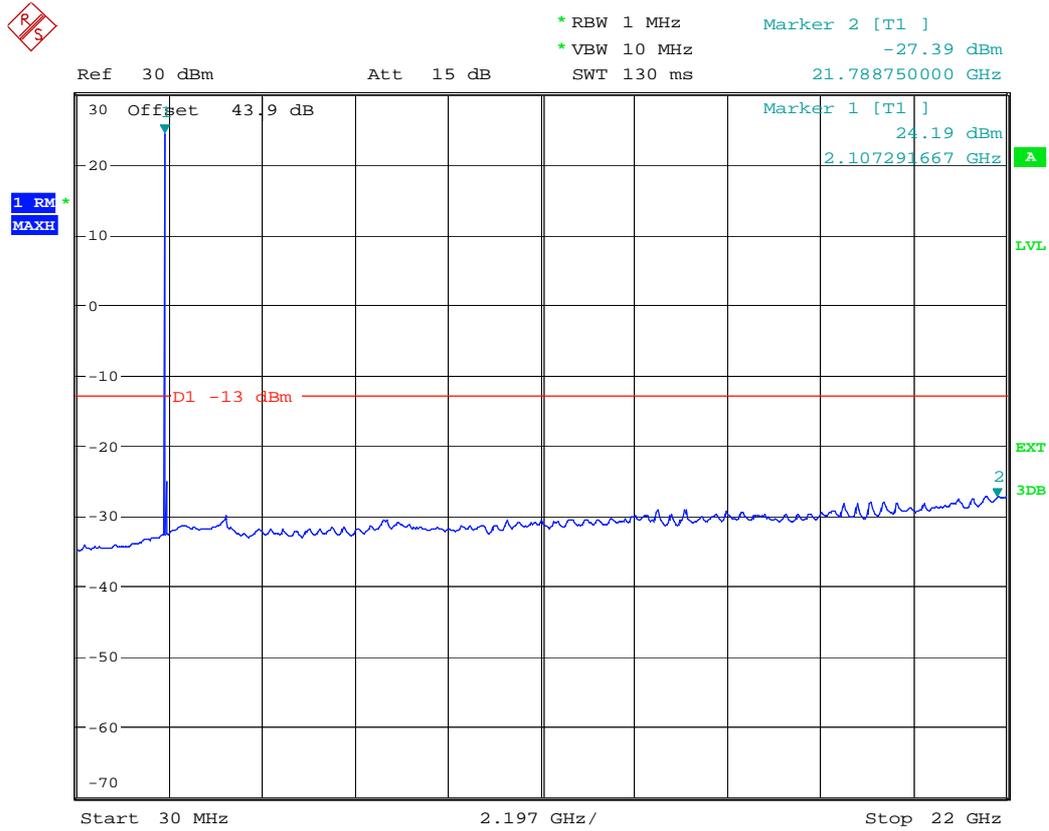
(150k ~ 30M)



Date: 30.MAR.2010 15:37:51



(30M ~ 22G)



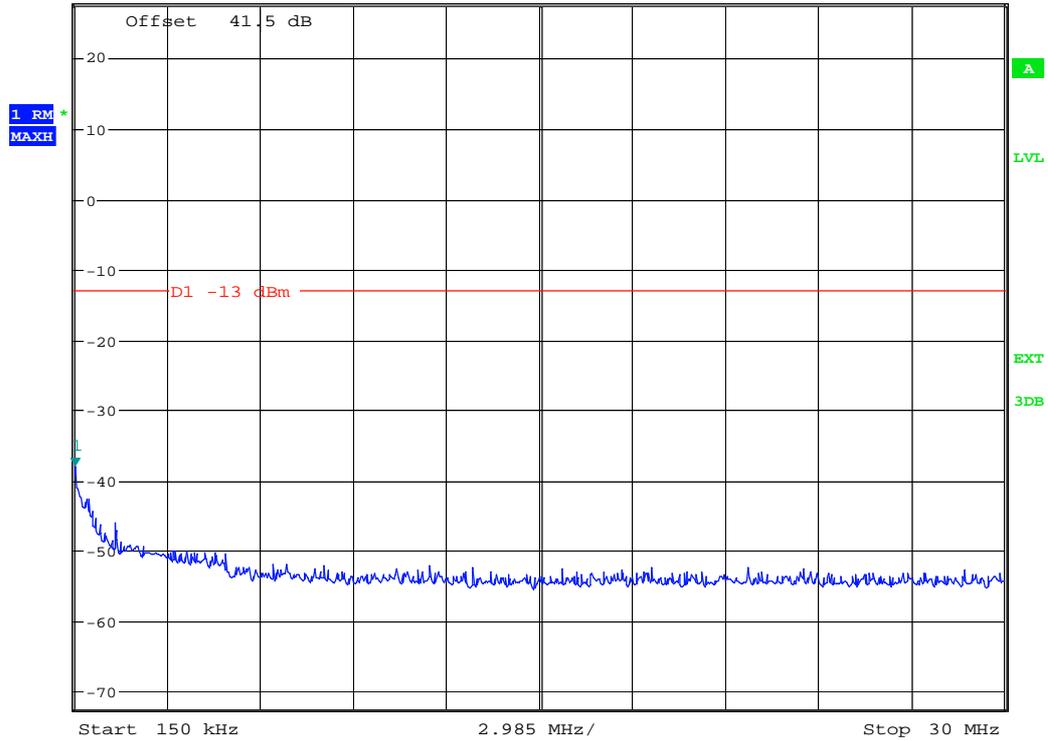
Date: 30.MAR.2010 15:43:21



(150k ~ 30M)



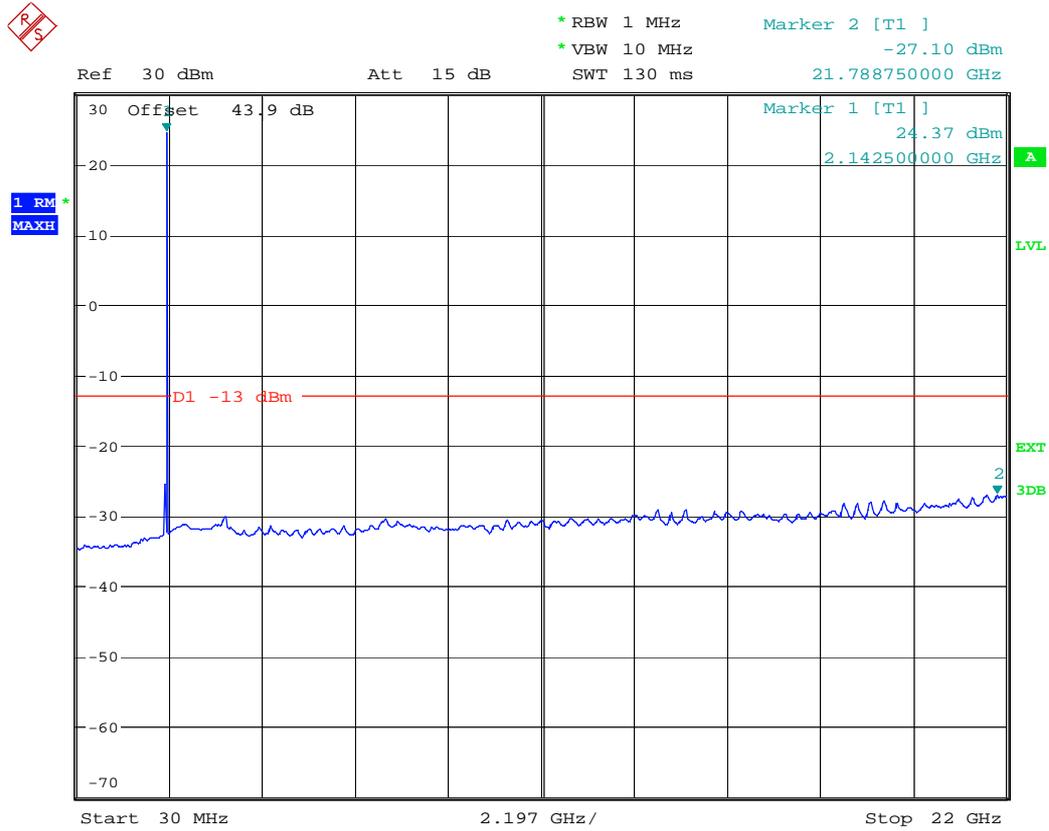
*RBW 10 kHz Marker 1 [T1]
 VBW 100 kHz -37.98 dBm
 Ref 27.6 dBm Att 15 dB SWT 300 ms 150.00000000 kHz



Date: 30.MAR.2010 15:55:17



(30M ~ 22G)

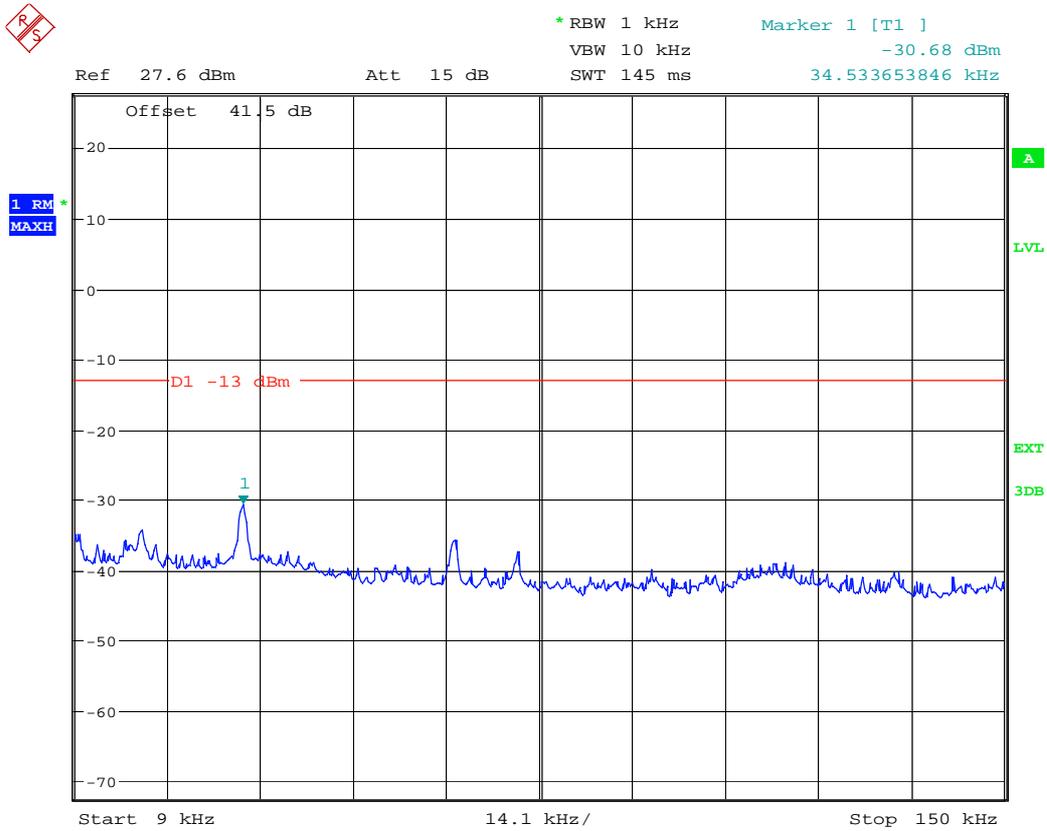


Date: 30.MAR.2010 15:54:00



B. Multiple Carriers:

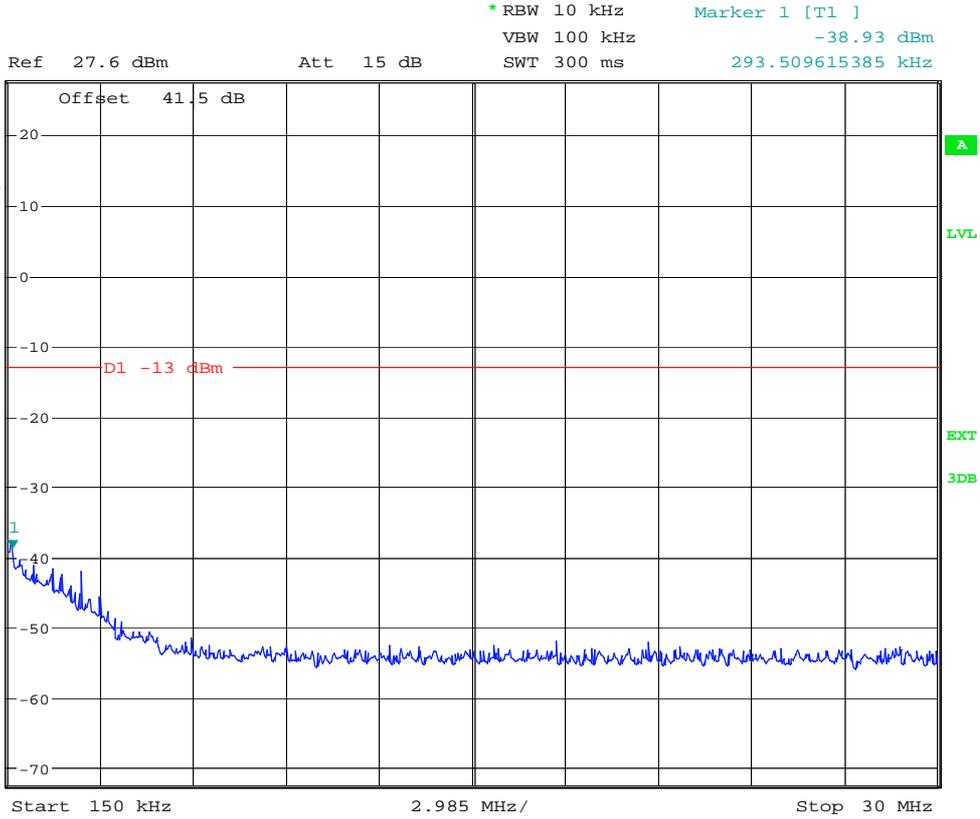
Channel Number: 25/50/75
(9k ~ 150k)



Date: 30.MAR.2010 16:36:11



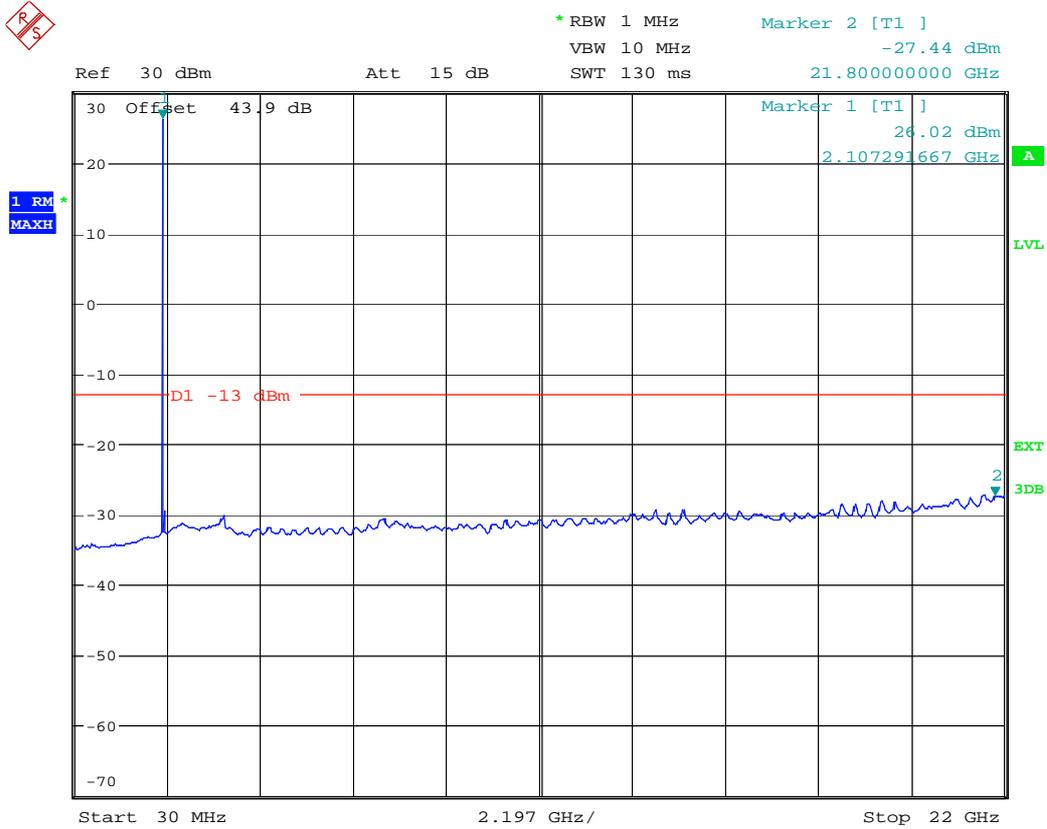
(150k ~ 30M)



Date: 30.MAR.2010 16:37:06



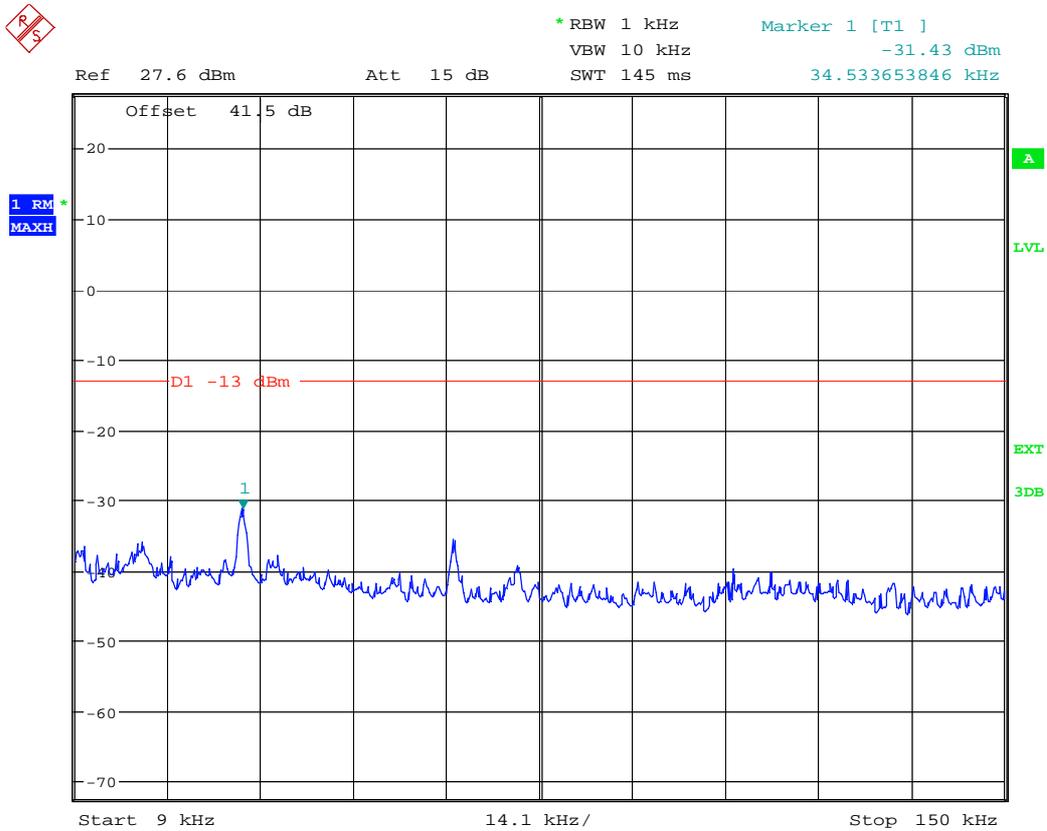
(30M ~ 22G)



Date: 30.MAR.2010 16:38:23



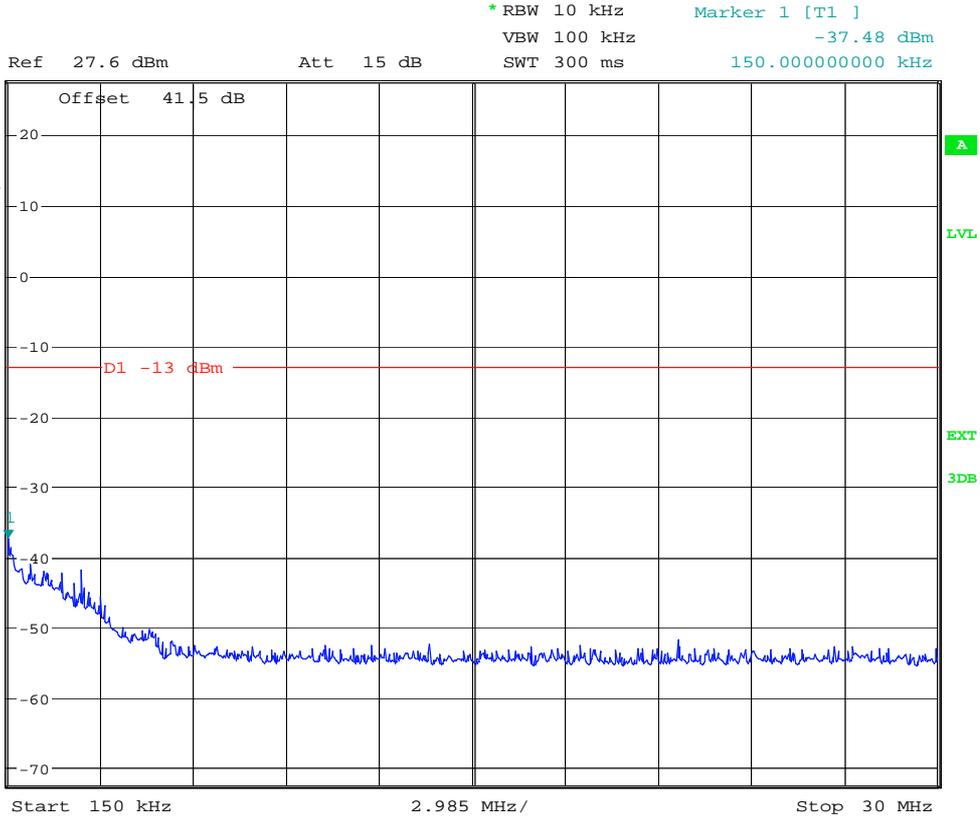
Channel Number: 425/450/475 (9k ~ 150k)



Date: 30.MAR.2010 16:41:24



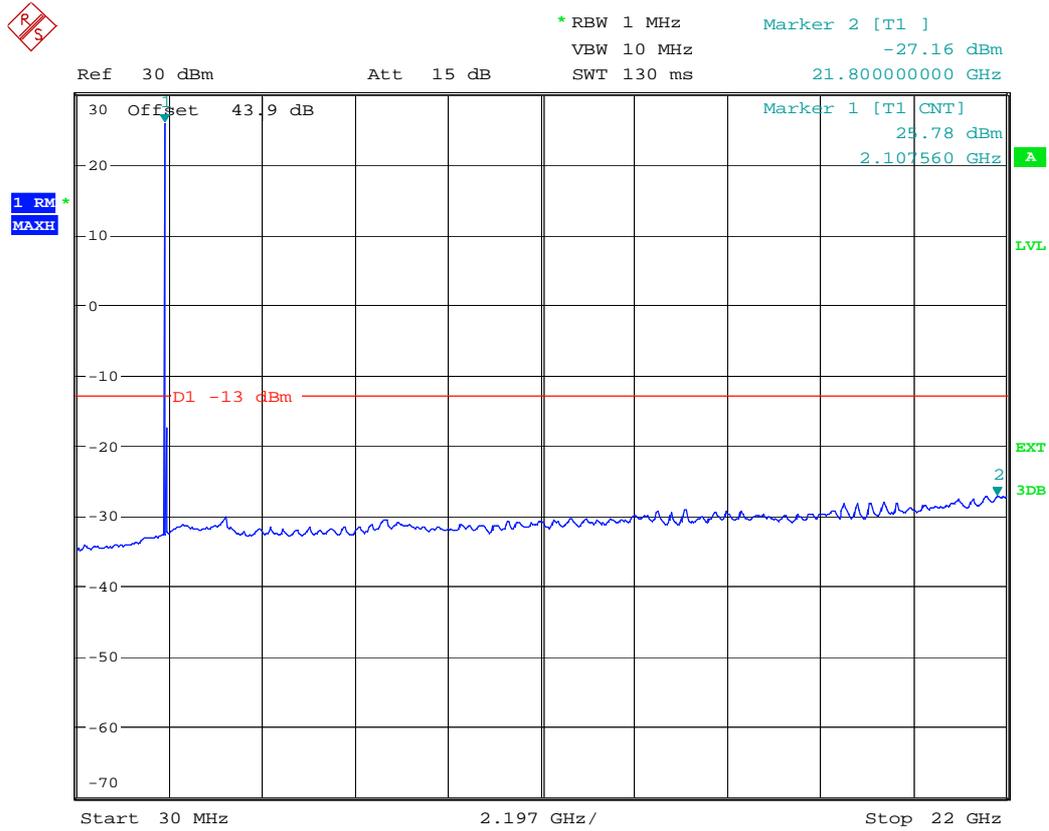
(150k ~ 30M)



Date: 30.MAR.2010 16:27:51



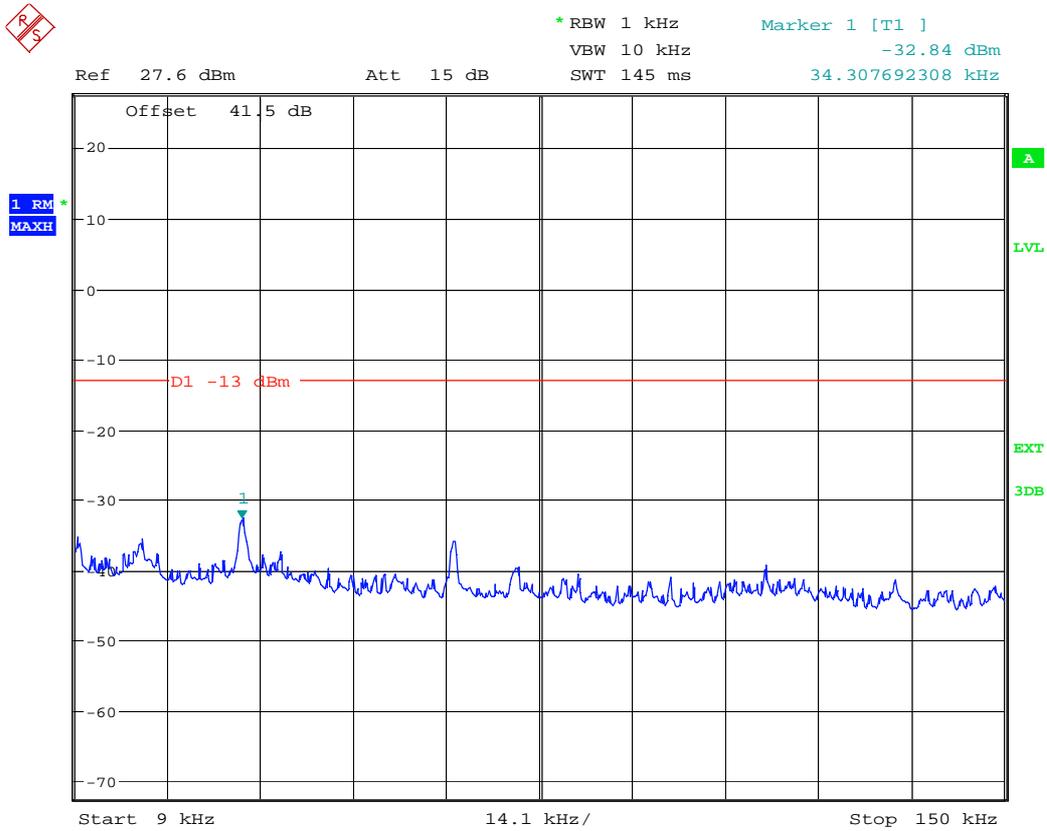
(30M ~ 22G)



Date: 30.MAR.2010 16:12:22



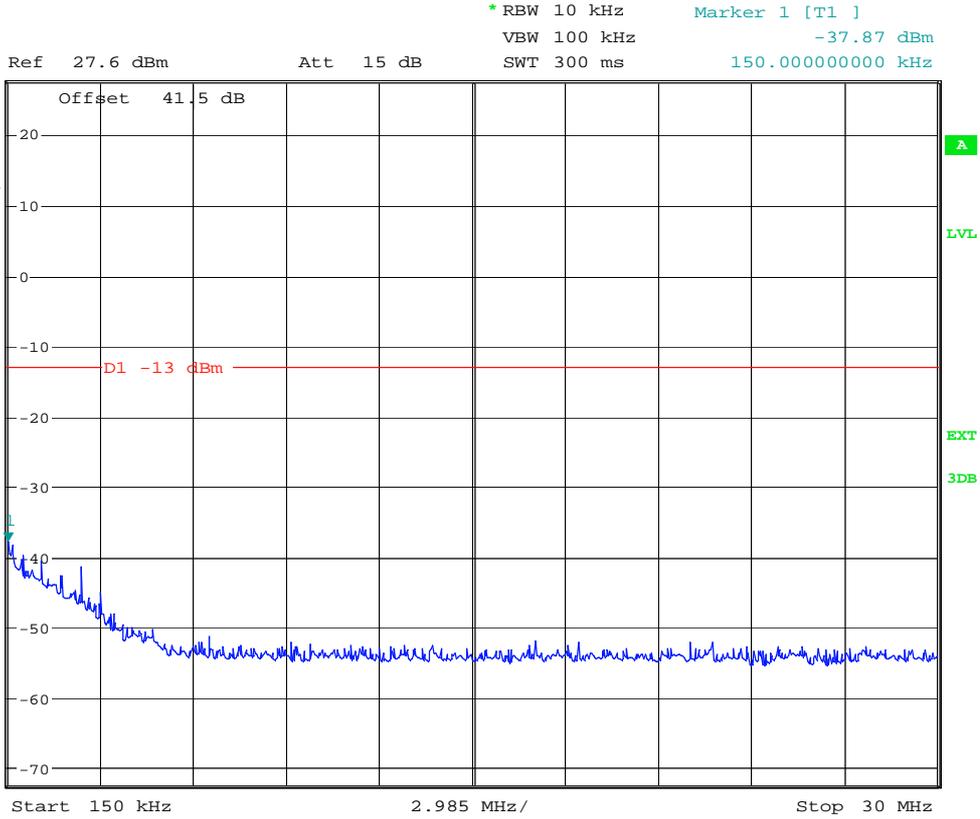
Channel Number: 825/850/875 (9k ~ 150k)



Date: 30.MAR.2010 16:01:10



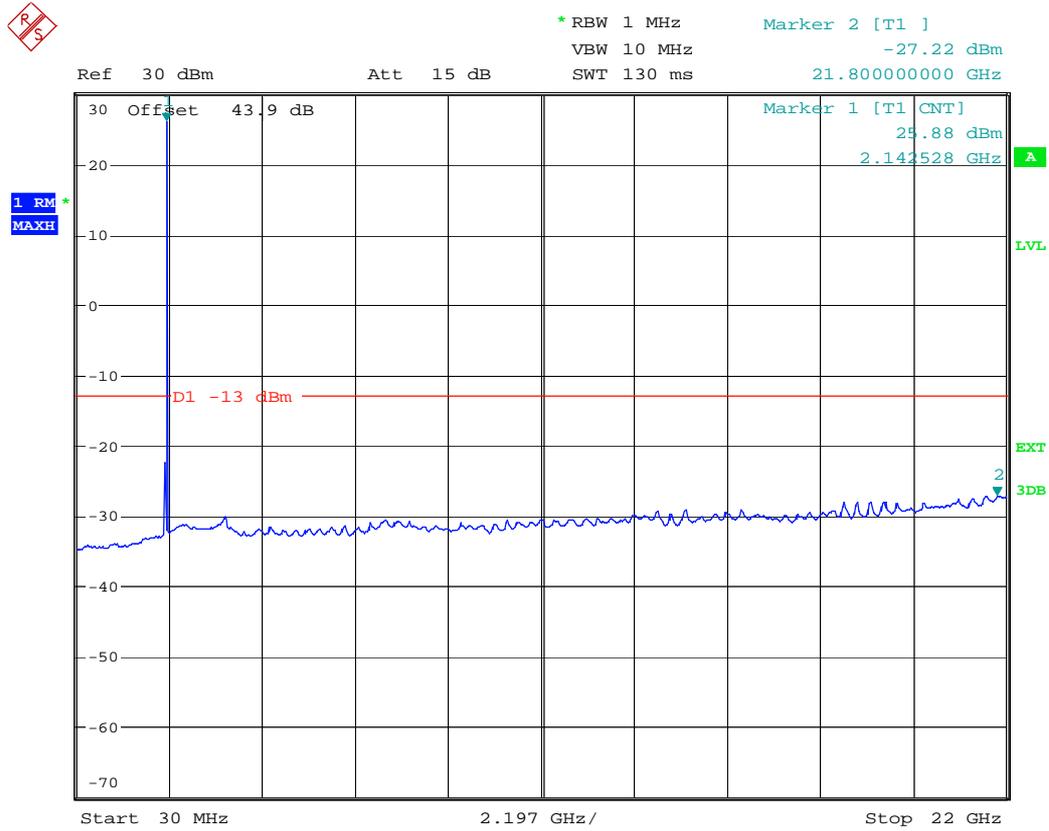
(150k ~ 30M)



Date: 30.MAR.2010 16:02:52



(30M ~ 22G)



Date: 30.MAR.2010 16:06:23

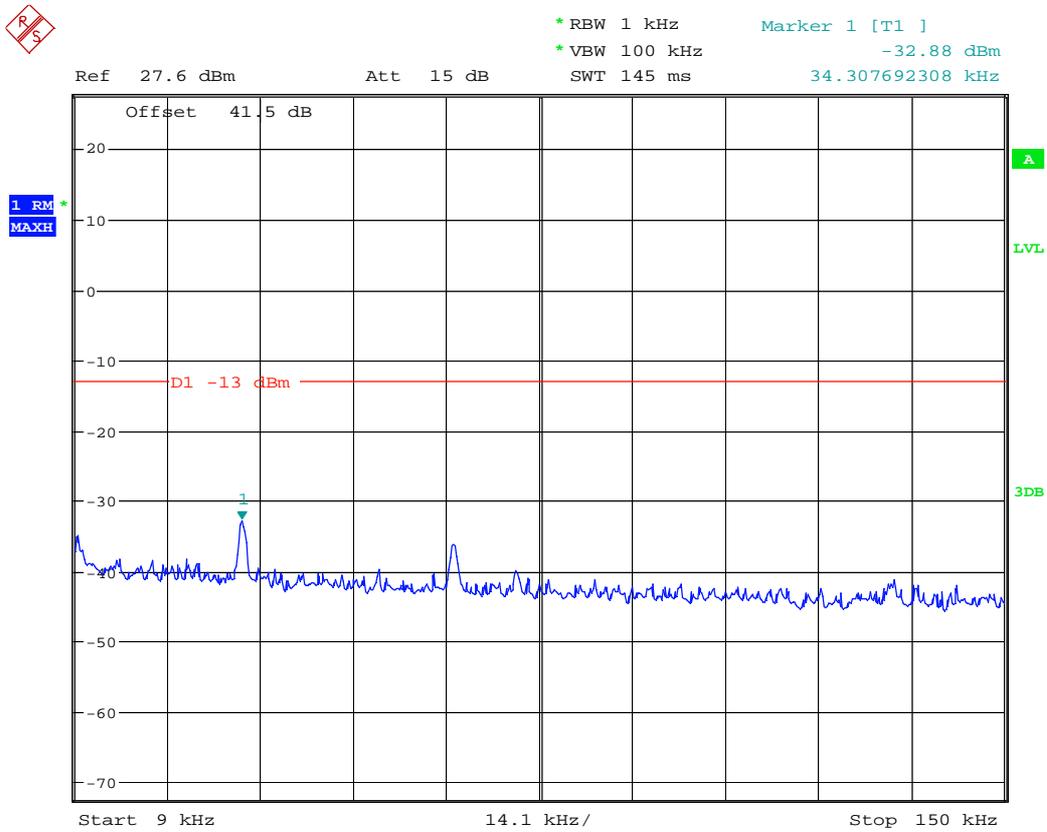


CDMA2000 1X EV-DO

A. Single Carrier

Channel Number: 25

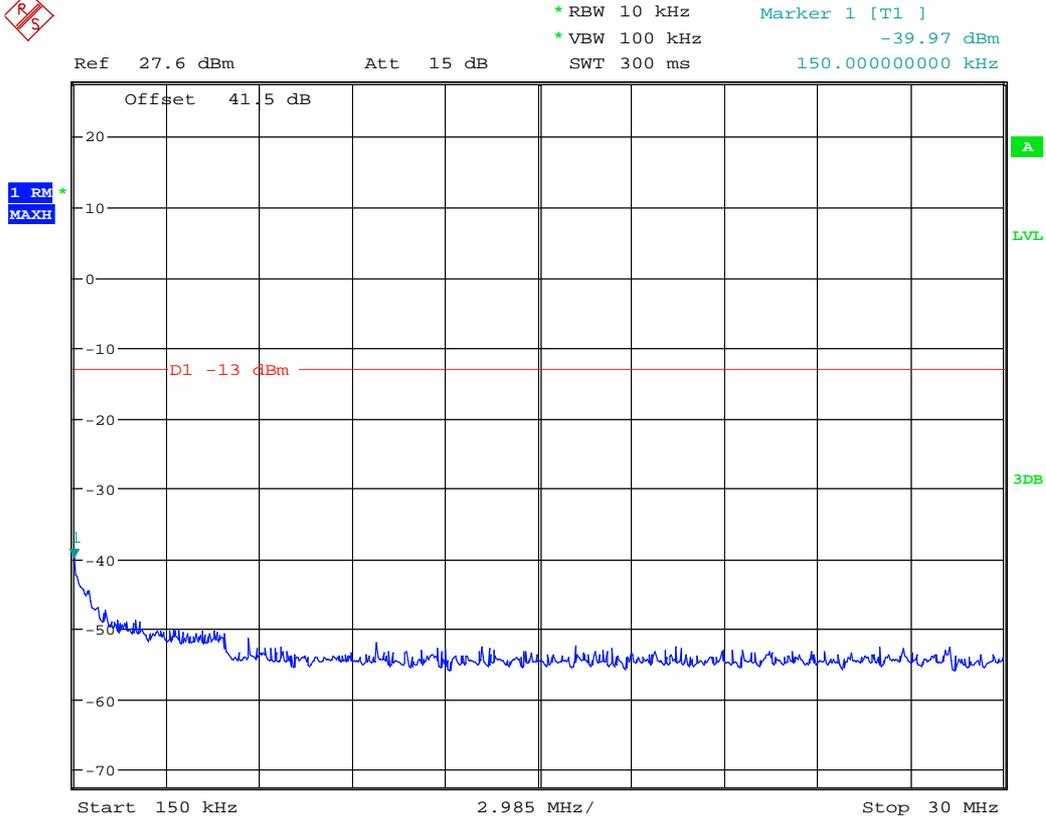
(9k ~ 150k)



Date: 30.MAR.2010 11:06:58



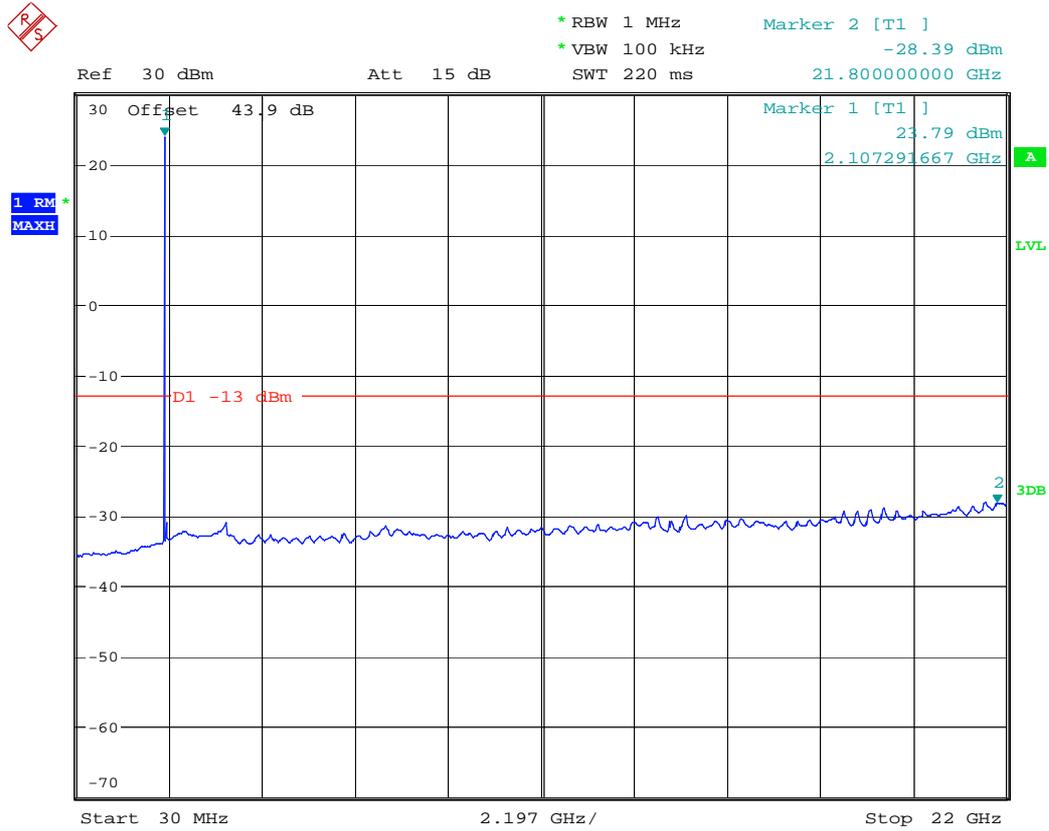
(150k ~ 30M)



Date: 30.MAR.2010 11:03:51



(30M ~ 22G)

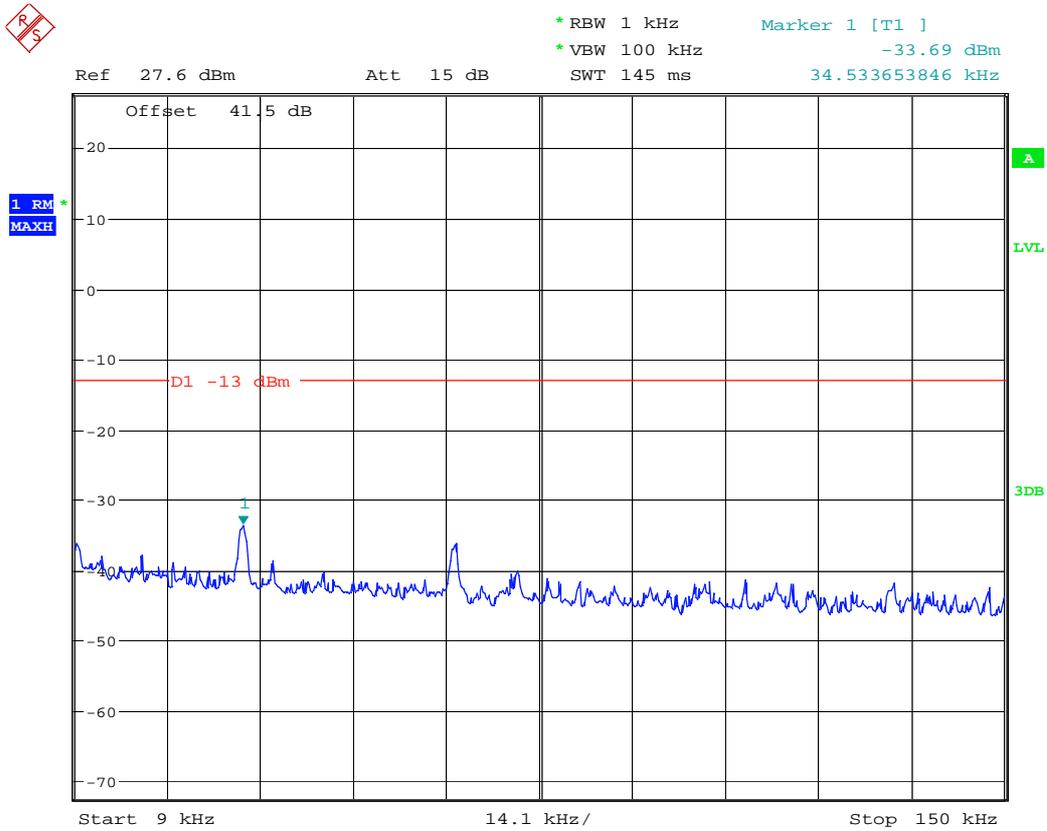


Date: 30.MAR.2010 11:02:40



Channel Number: 450

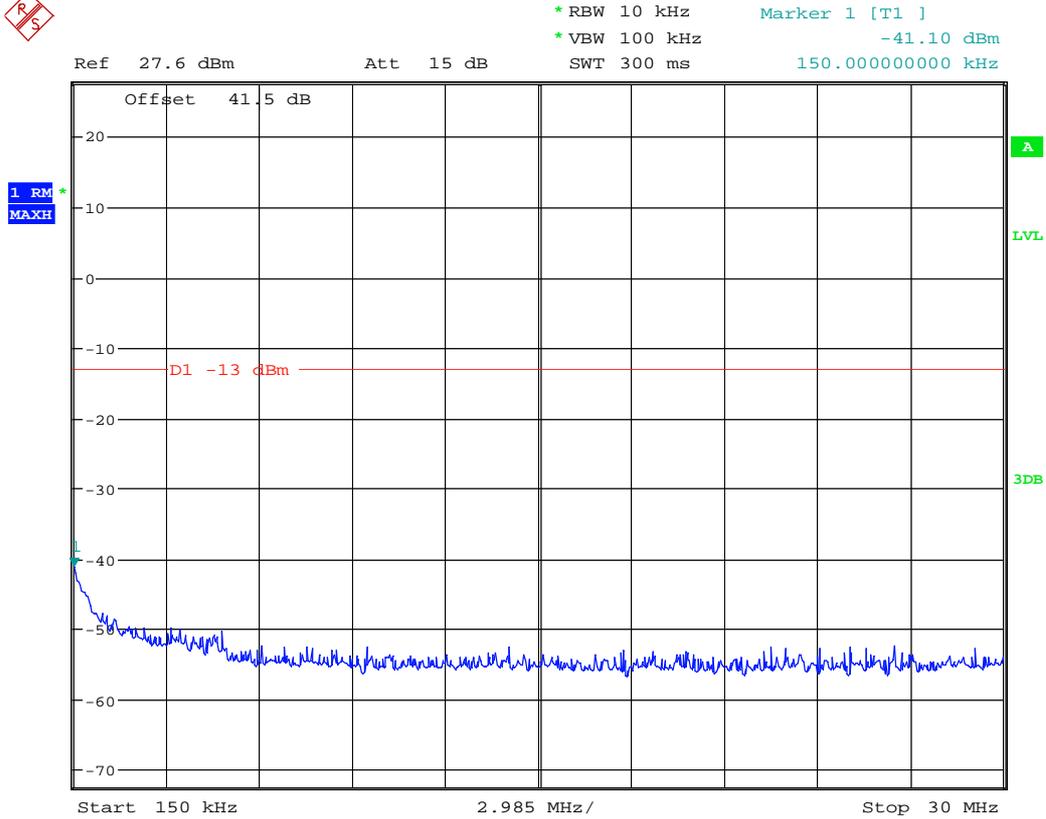
(9k ~ 150k)



Date: 30.MAR.2010 11:09:33



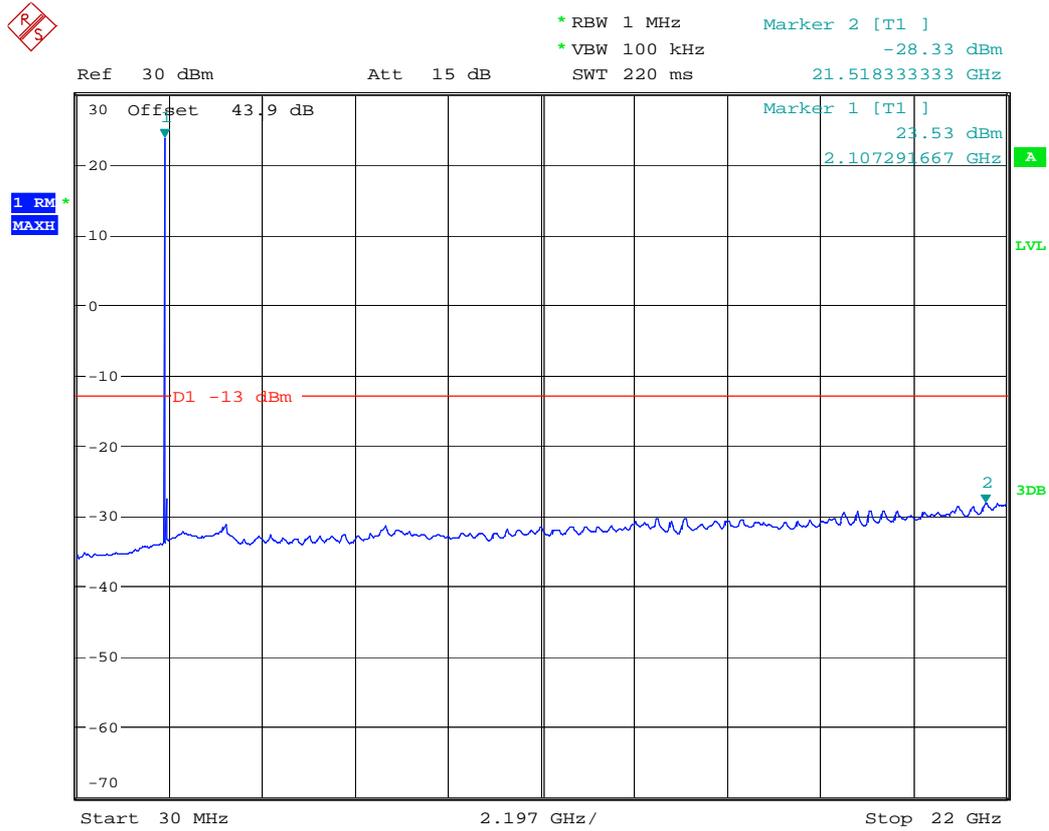
(150k ~ 30M)



Date: 30.MAR.2010 11:10:36



(30M ~ 22G)



Date: 30.MAR.2010 11:12:46



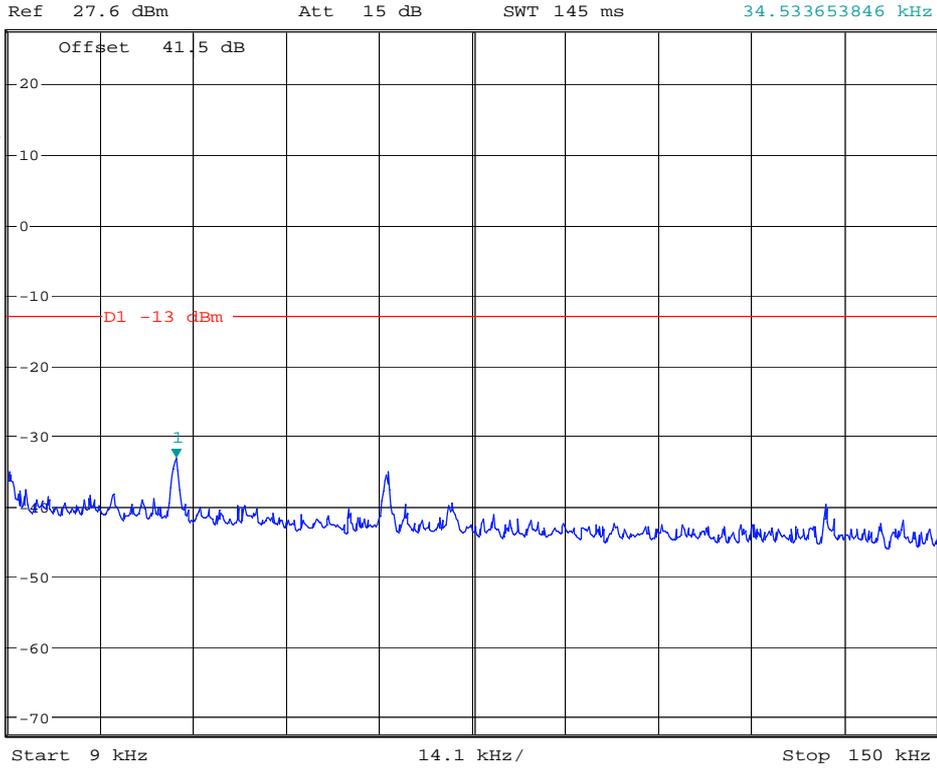
Channel Number: 875

(9k ~ 150k)



* RBW 1 kHz
* VBW 100 kHz
SWT 145 ms

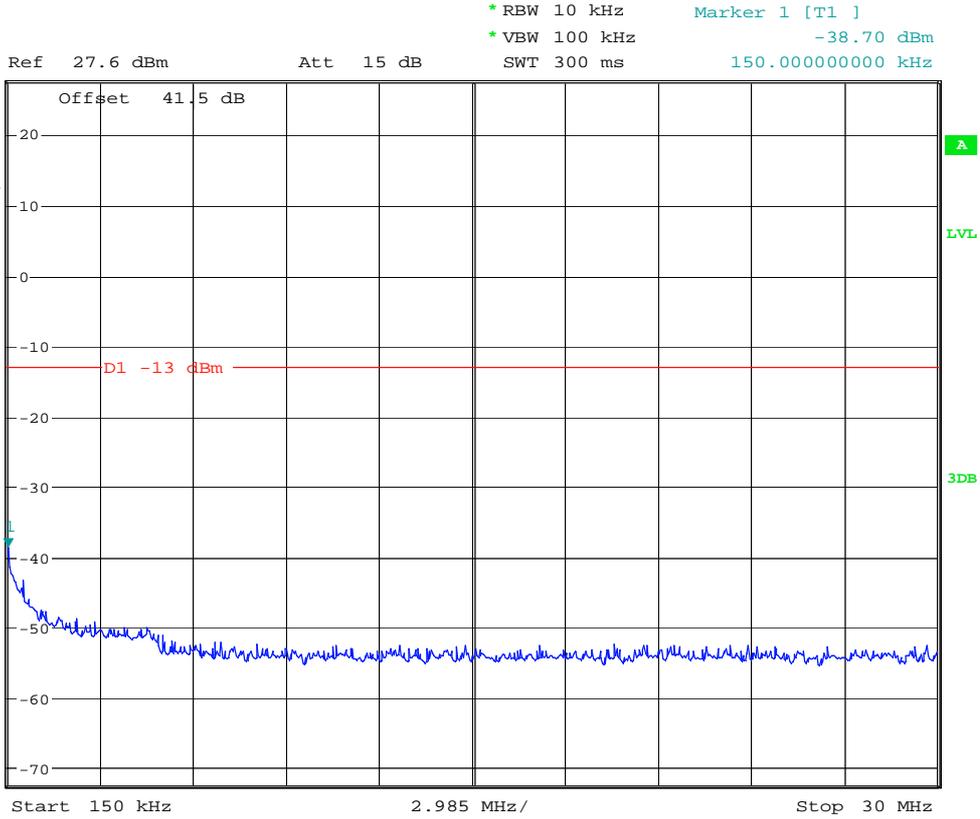
Marker 1 [T1]
-33.20 dBm
34.533653846 kHz



Date: 30.MAR.2010 11:28:16



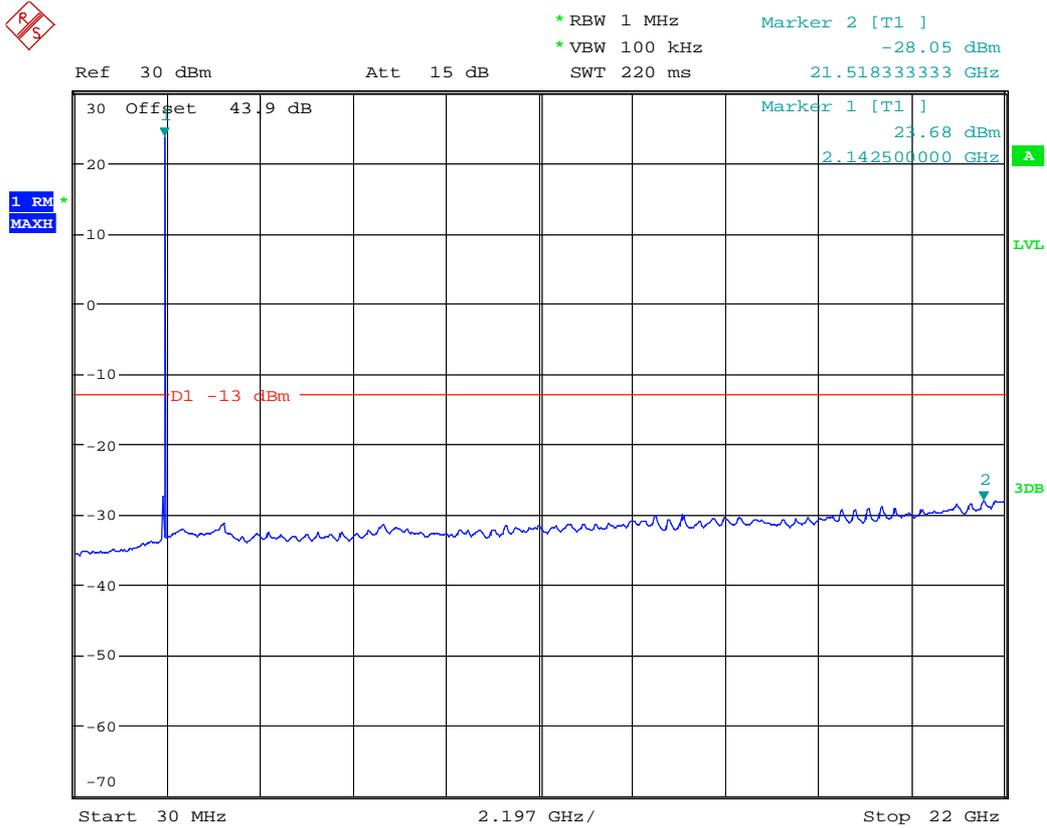
(150k ~ 30M)



Date: 30.MAR.2010 11:25:53



(30M ~22G)

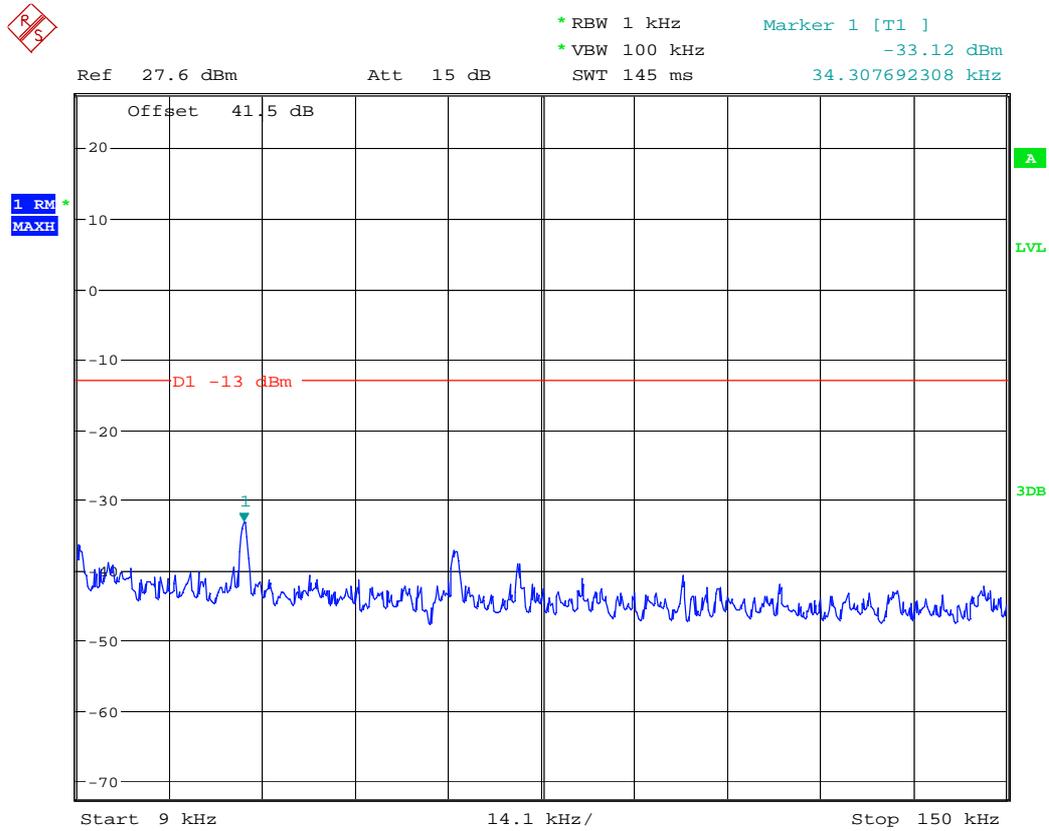


Date: 30.MAR.2010 11:23:26



B. Multiple Carriers:

Channel Number: 25/50/75
(9k ~ 150k)



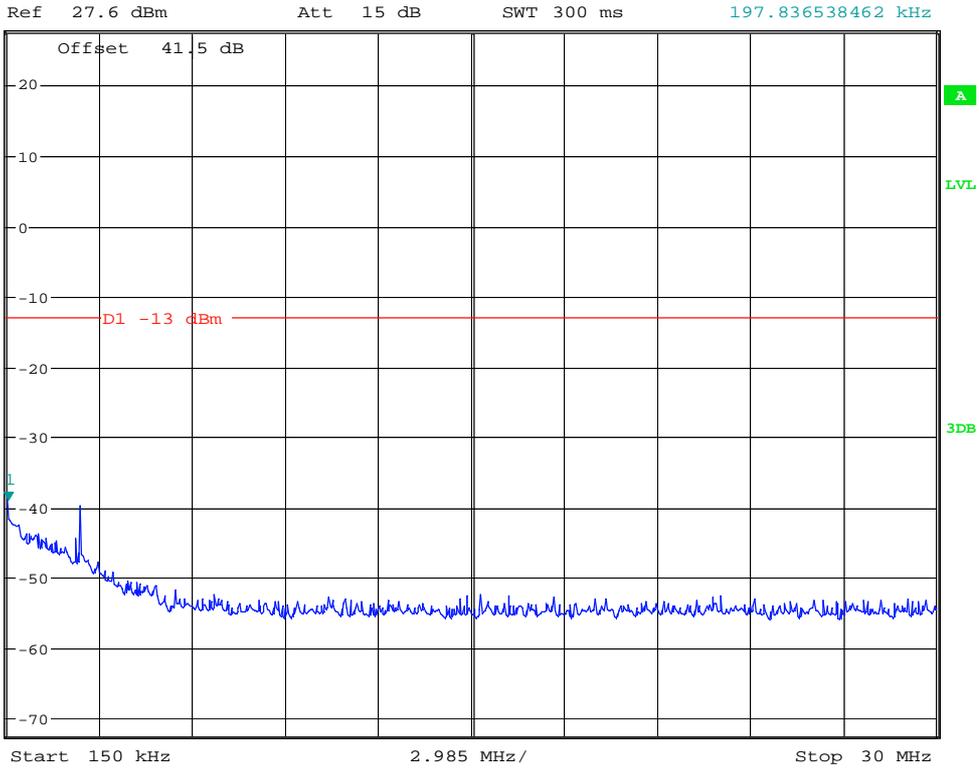
Date: 30.MAR.2010 12:24:06



(150k ~ 30M)



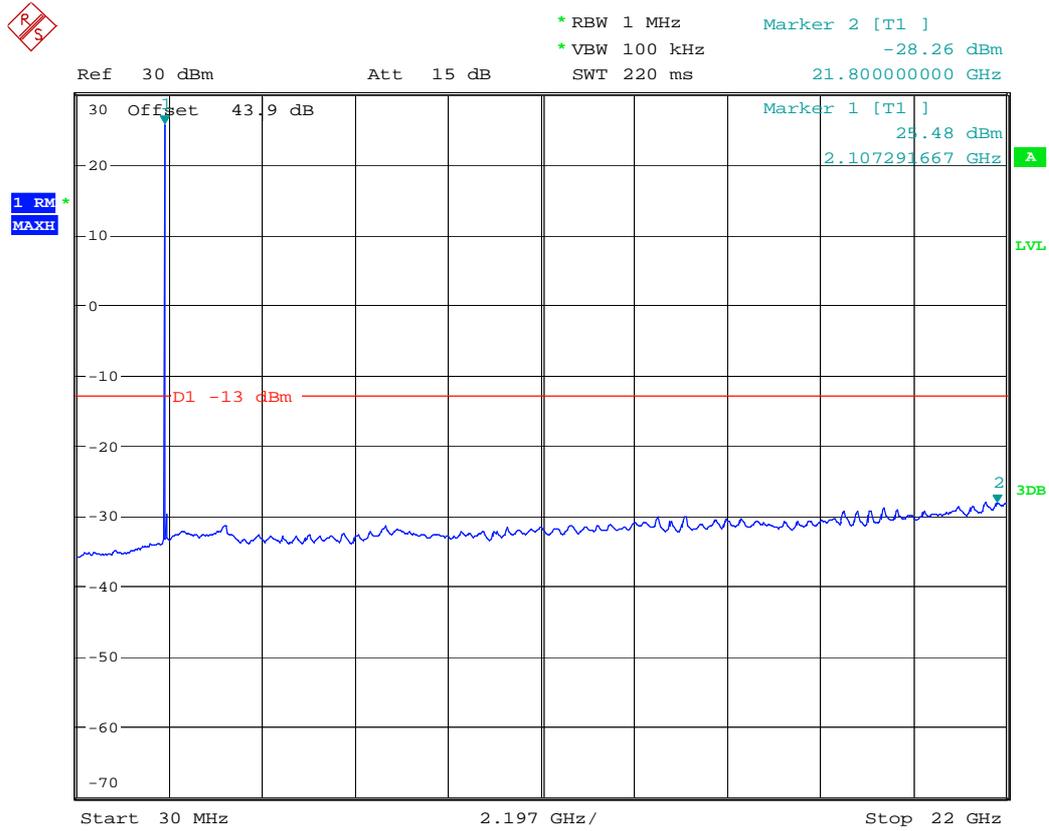
* RBW 10 kHz Marker 1 [T1]
* VBW 100 kHz -39.02 dBm
SWT 300 ms 197.836538462 kHz



Date: 30.MAR.2010 12:23:38



(30M ~ 22G)

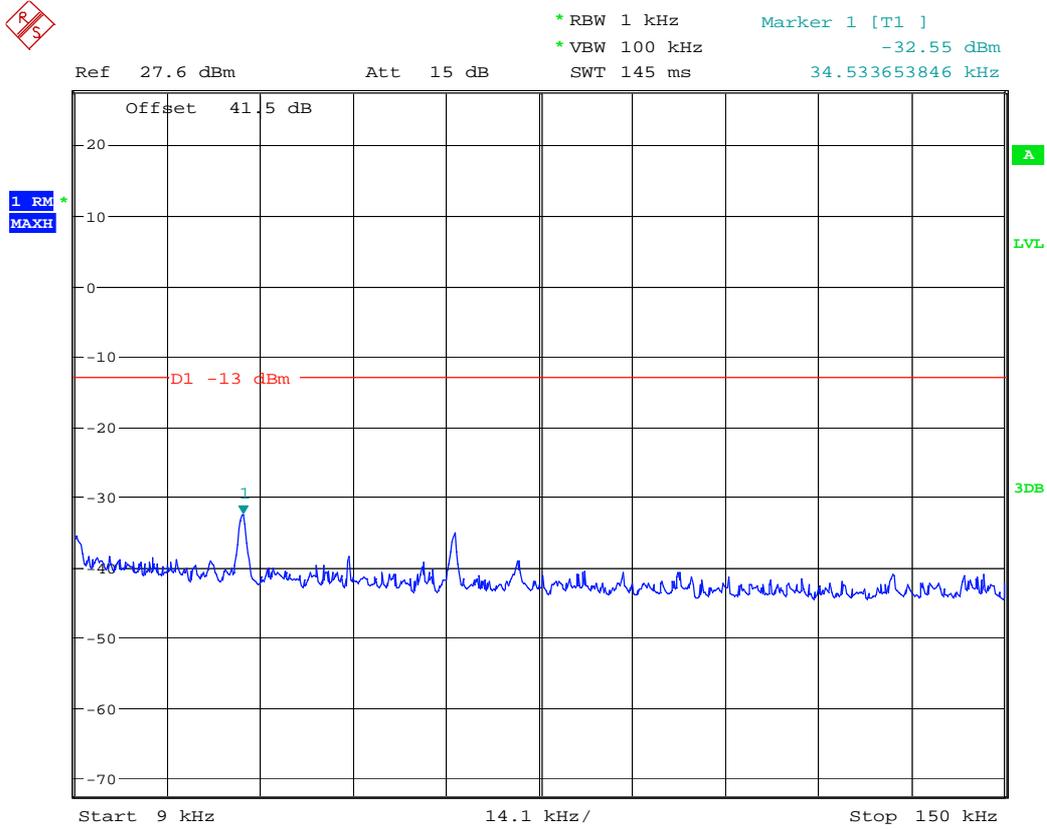


Date: 30.MAR.2010 12:22:40



Channel Number: 425/450/475

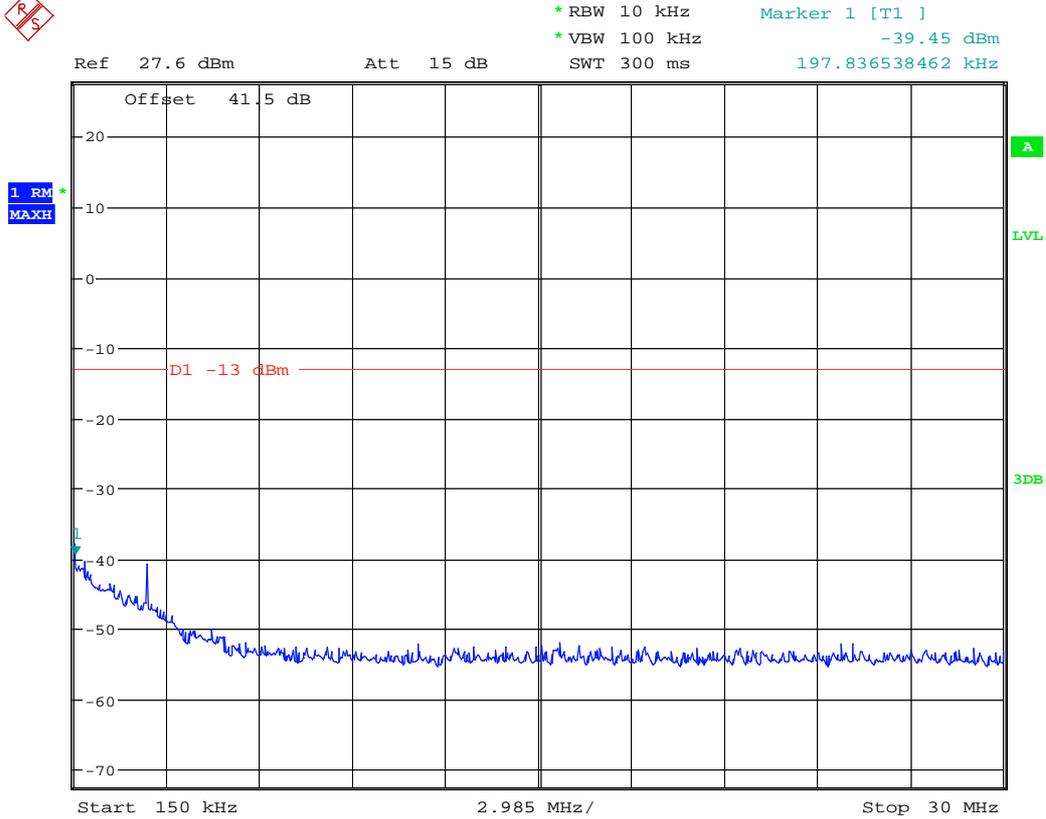
(9k ~ 150k)



Date: 30.MAR.2010 12:28:30



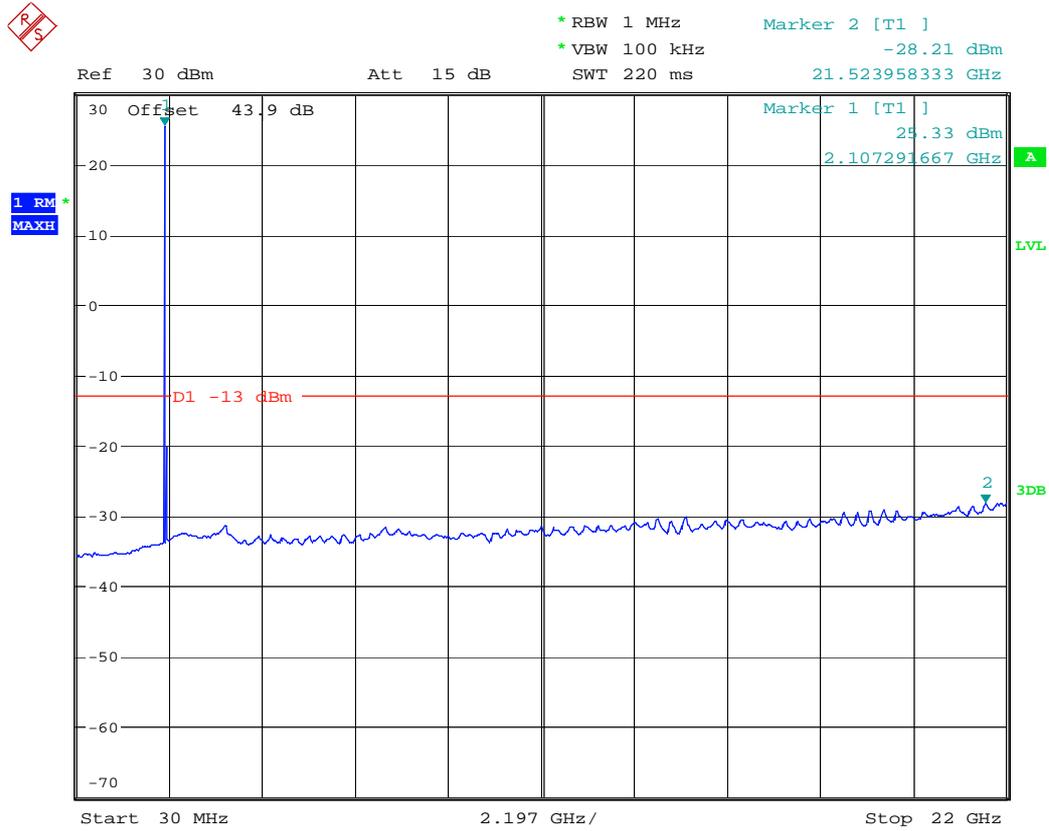
(150k ~ 30M)



Date: 30.MAR.2010 12:30:04



(30M ~22G)

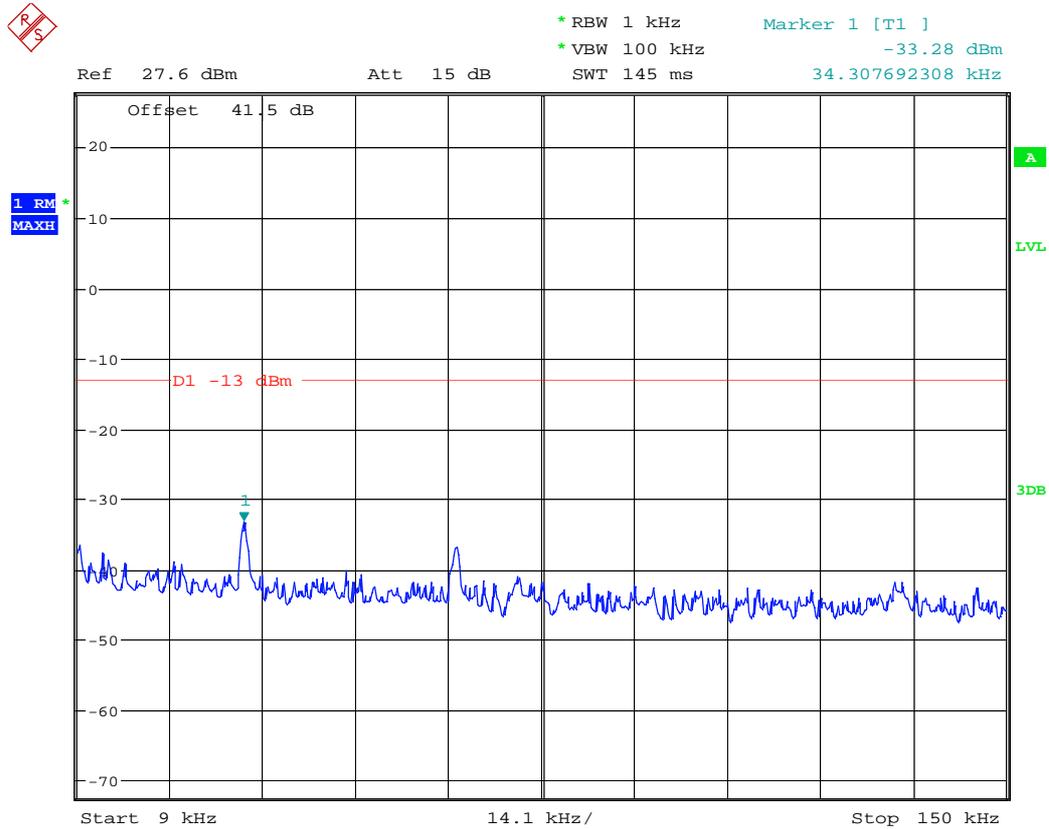


Date: 30.MAR.2010 11:55:32



Channel Number: 825/850/875

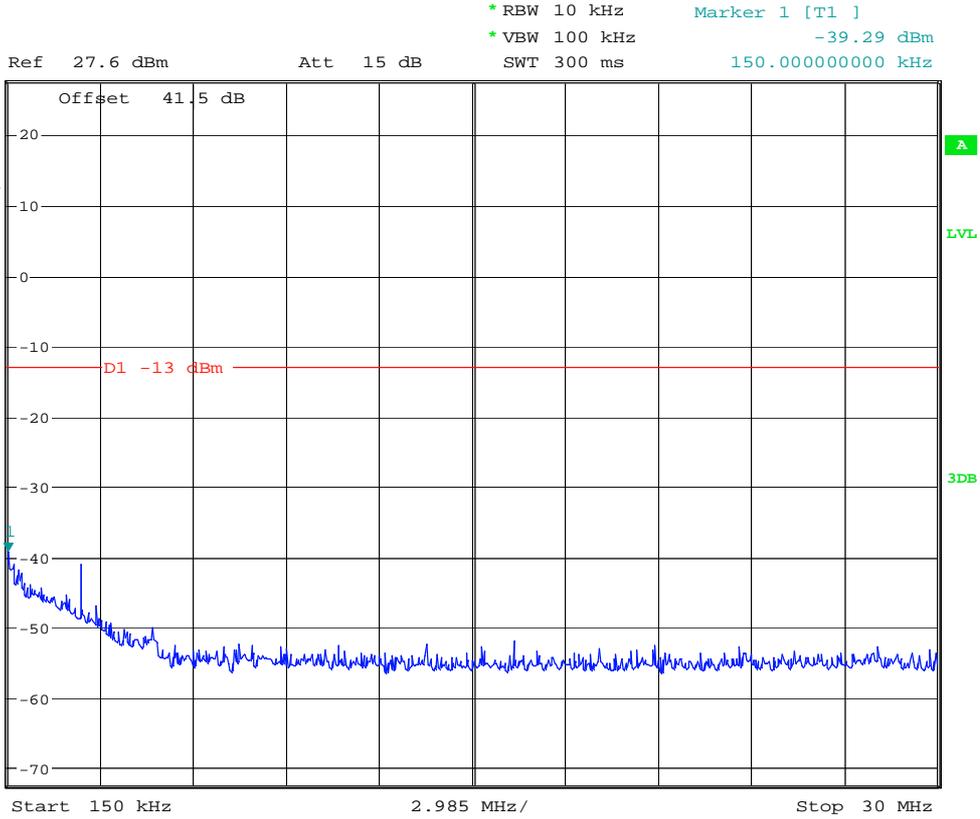
(9k ~ 150k)



Date: 30.MAR.2010 11:42:17



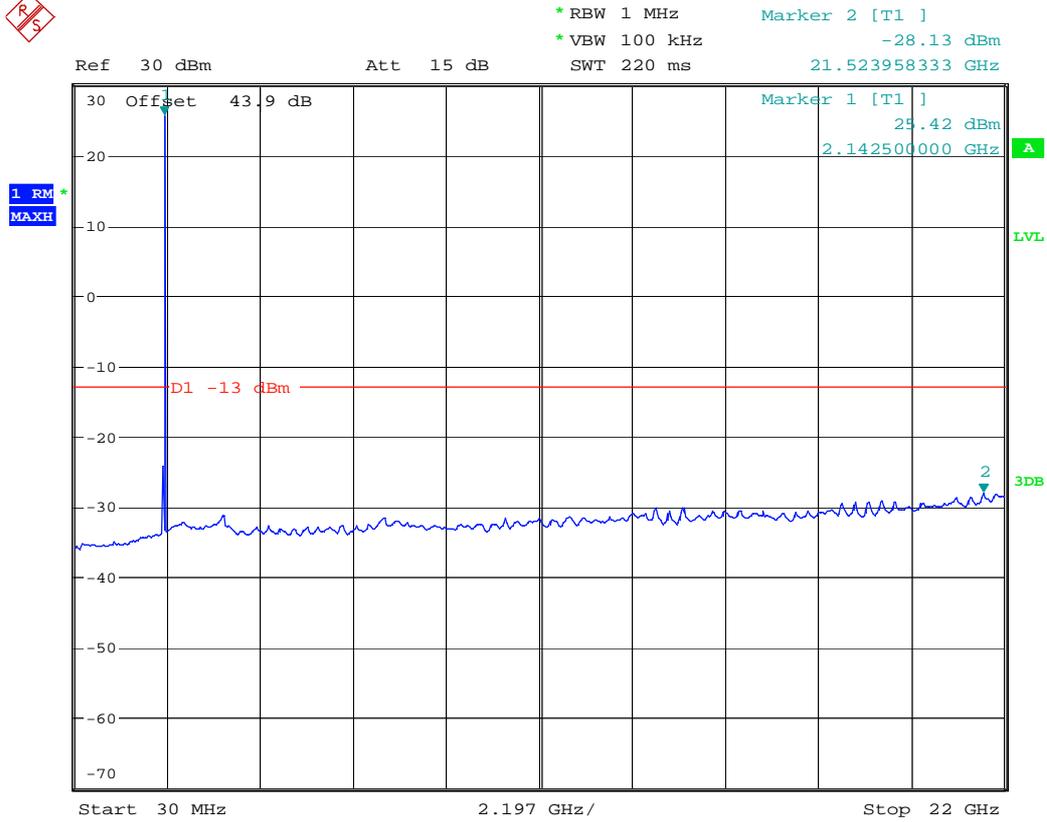
(150k ~ 30M)



Date: 30.MAR.2010 11:42:55



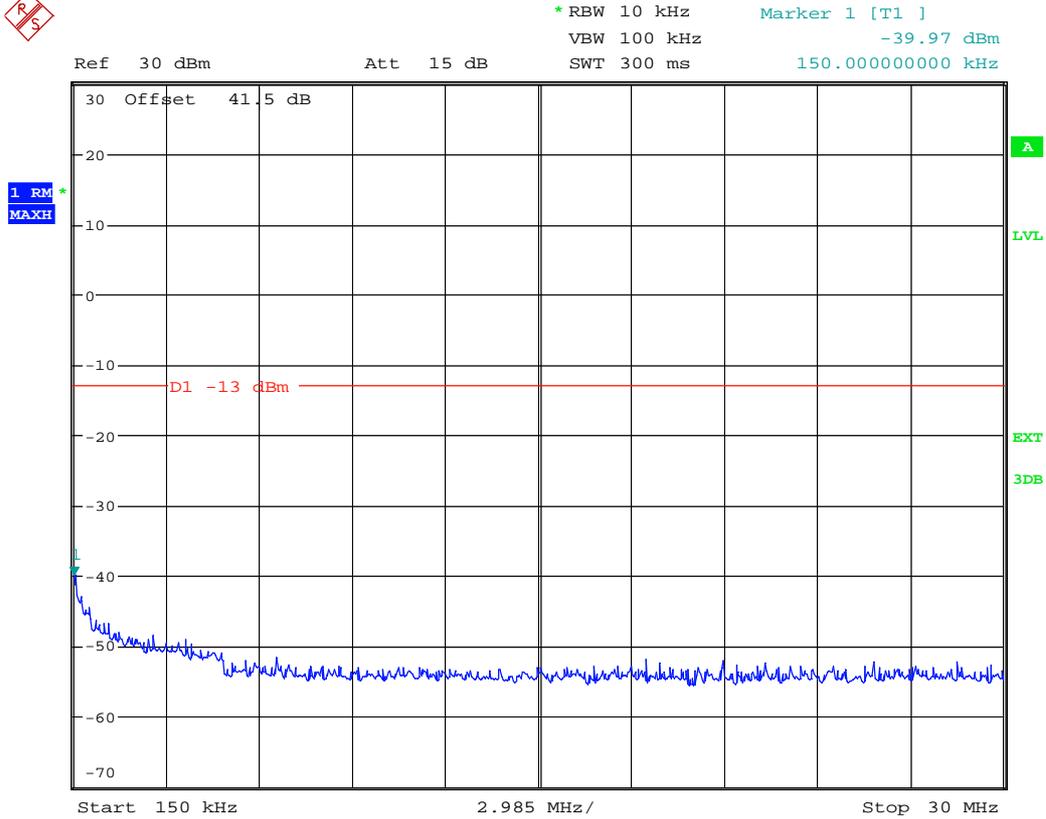
(30M ~ 22G)



Date: 30.MAR.2010 11:44:17



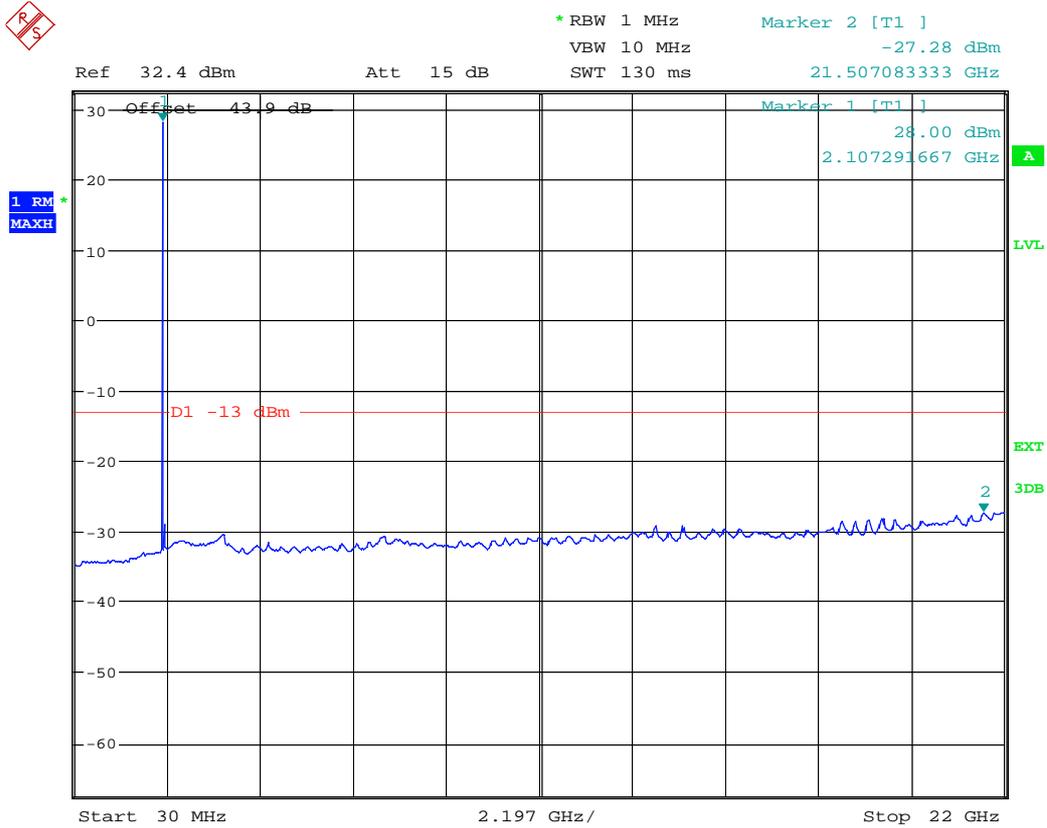
(150k ~ 30M)



Date: 22.APR.2010 15:45:09



(30M~ 22G)

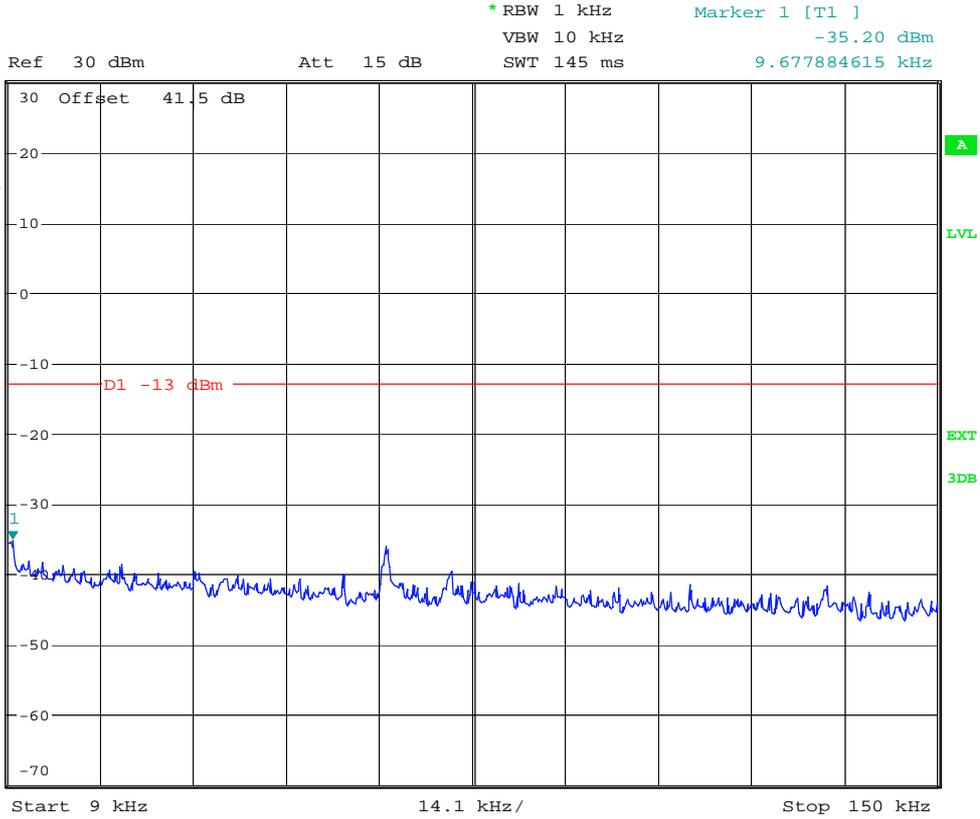


Date: 22.APR.2010 15:46:46



Channel Number: 2175

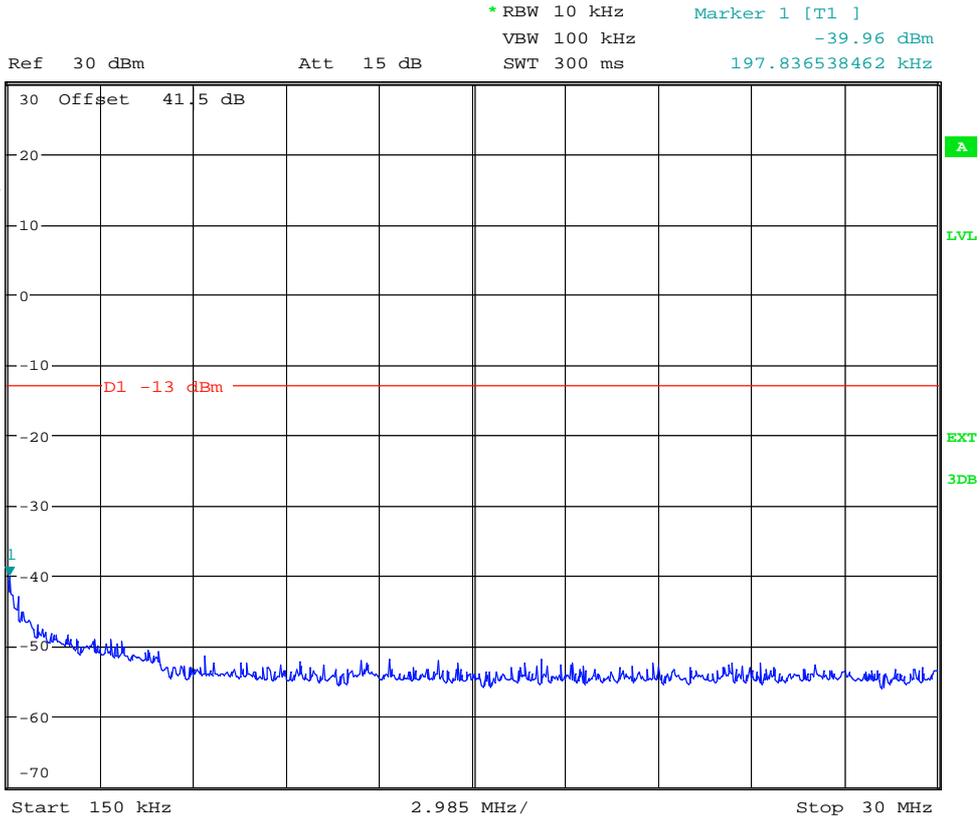
(9k ~ 150k)



Date: 22.APR.2010 15:58:08



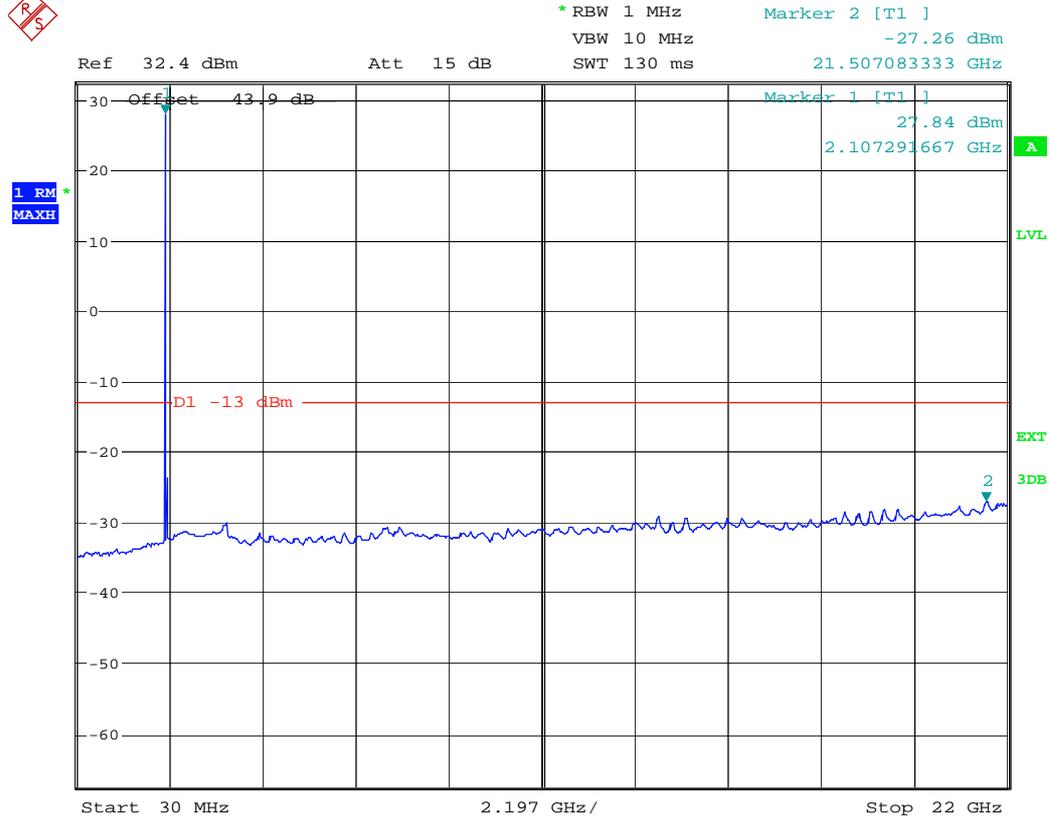
(150k ~ 30M)



Date: 22.APR.2010 15:58:46



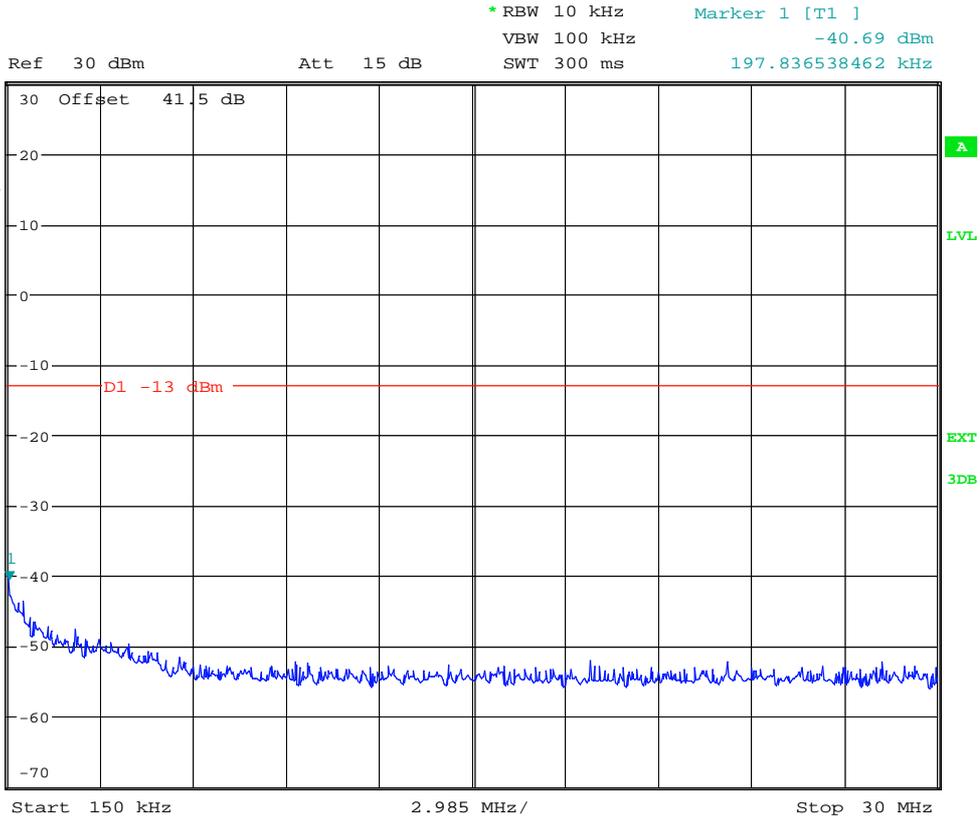
(30M~ 22G)



Date: 22.APR.2010 16:02:18



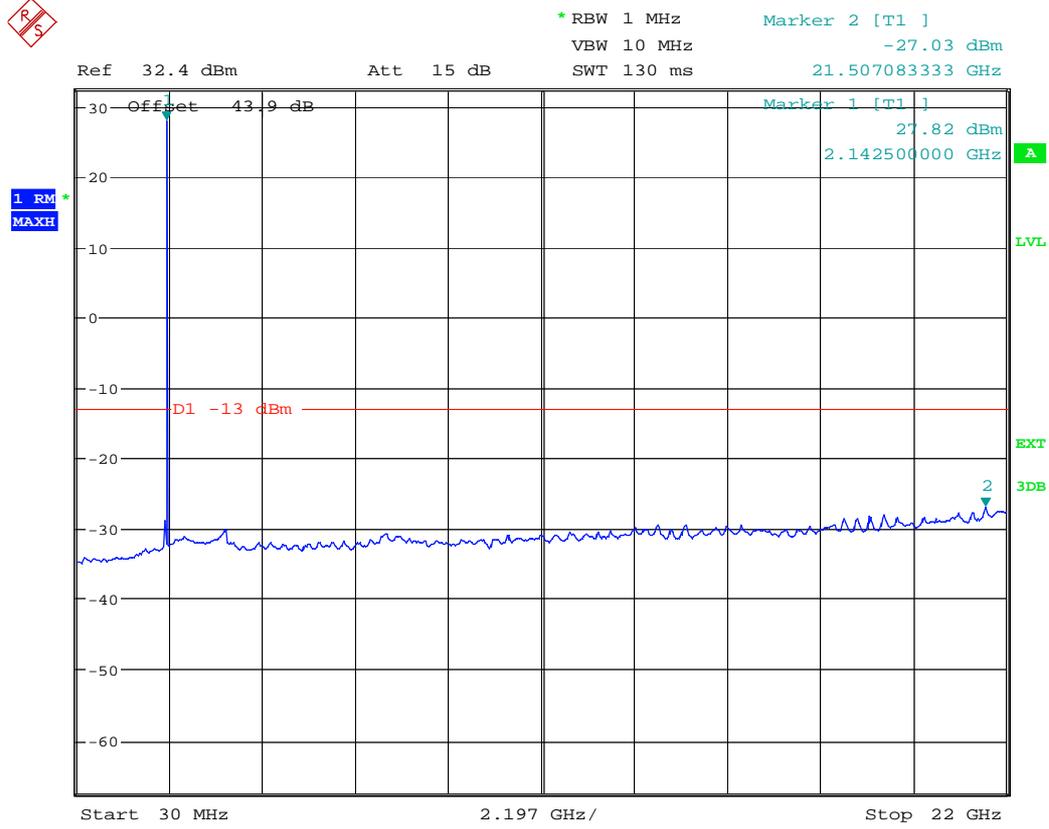
(150k ~ 30M)



Date: 22.APR.2010 16:24:51



(30M~ 22G)



Date: 22.APR.2010 16:25:54



Appendix E

Field Strength of Spurious Radiation

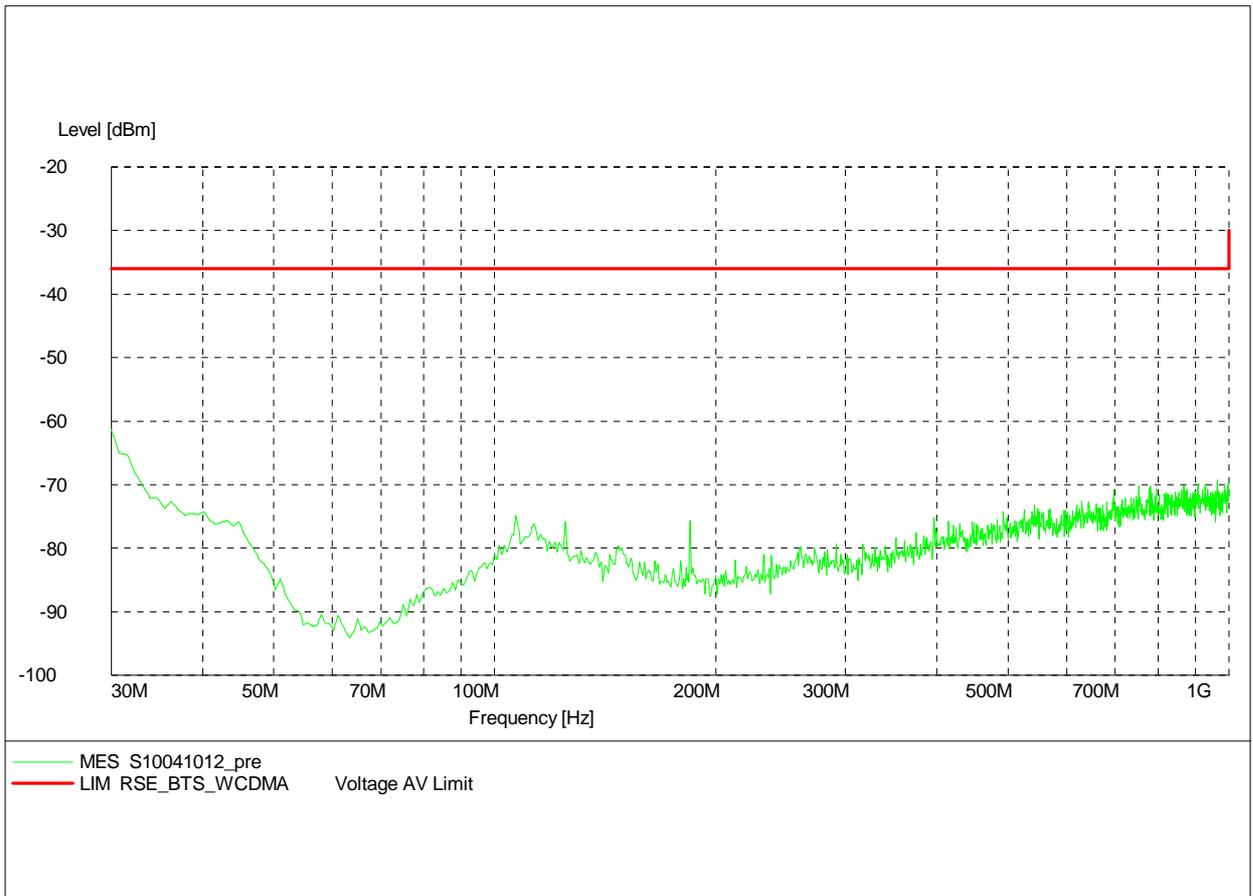
According to FCC Part 2.1053 & 27.53(g)



CDMA<E Measurement Result

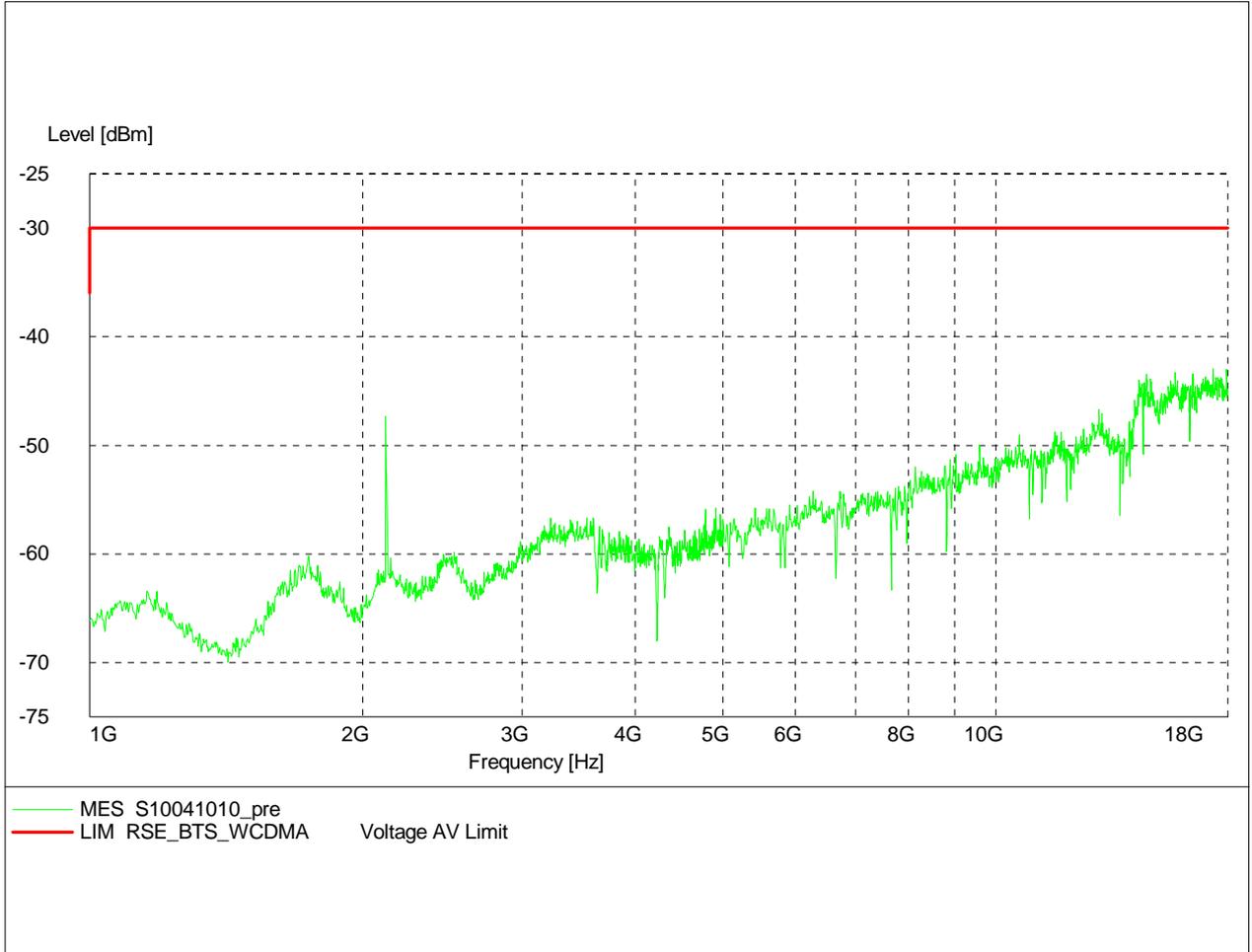
Note: more strict limit was employed by this test.

30MHz-1GHz





Above 1GHz

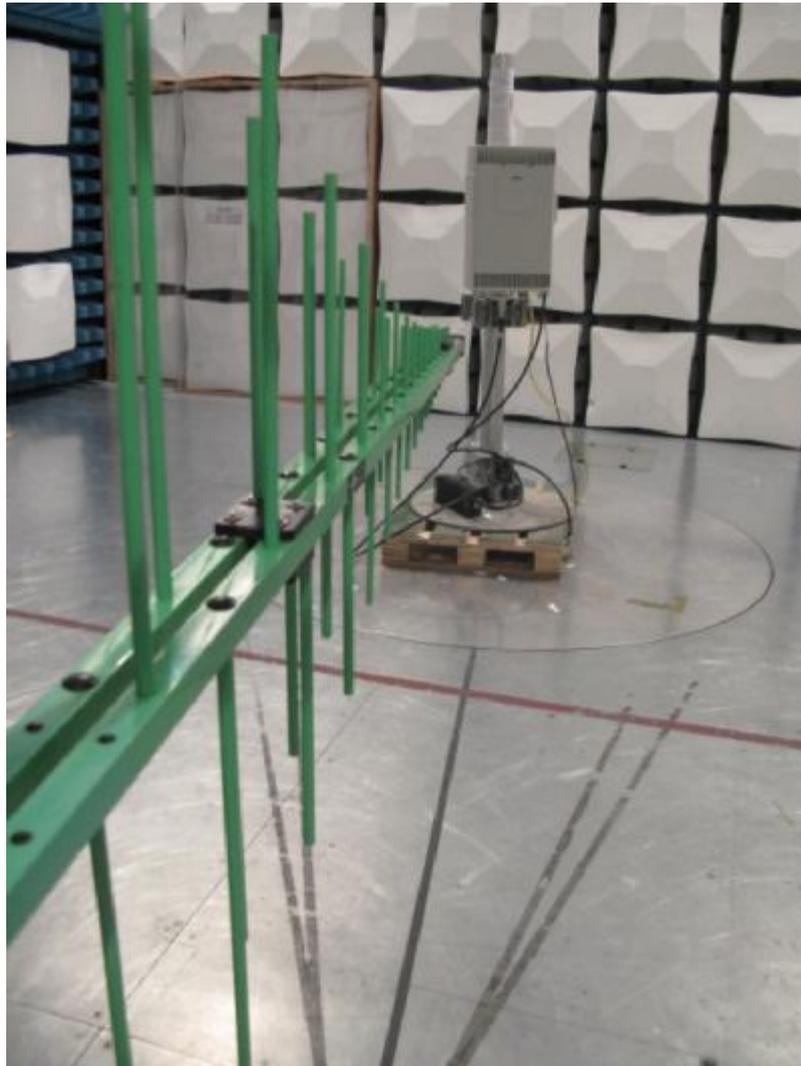




Appendix F

Photos of Test Setup

(Below 1GHz)



(Above 1GHz)

