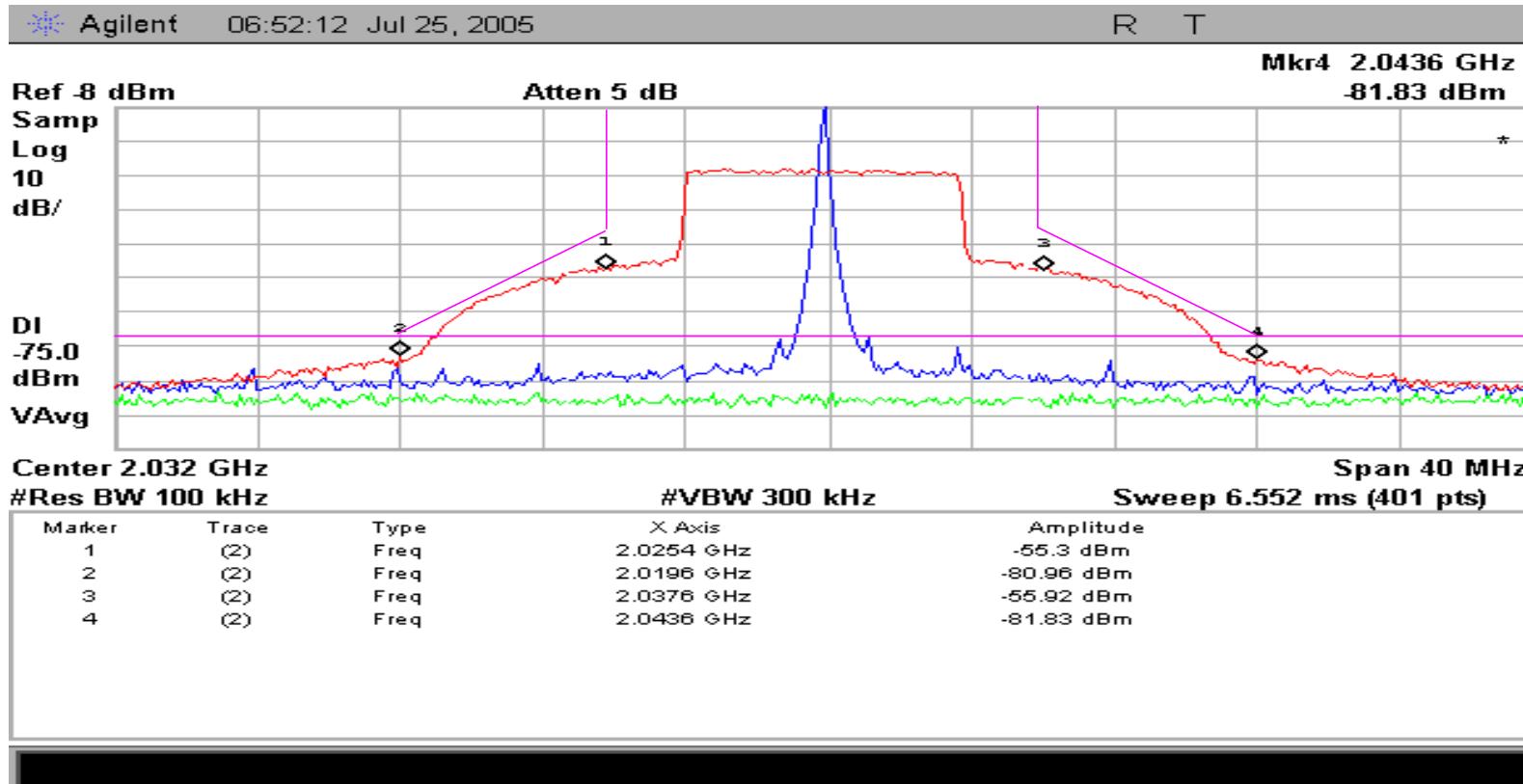


Marker attenuation readings are measured from 0dbm and do not reflect the -8 dbm 0 reference. The true marker value determined by subtracting the reference level from the measurement I.E marker (1) -55dbm - -8 dbm = - 47dbm compliance is shown by adding the compliance factor for measurements made with a 100KHz resolution bandwidth which is $10 \log (B \text{ REF} / B \text{ RES}) = 10 \log (.0046E6 / 100E3) = 13.9 \text{ dbm}$
 Marker (1) 50% removed from center frequency is 69dbm down from carrier mean power attenuation greater than 50db is not required
 Marker (2) 100% removed - 80.9 dbm - -8dbm = 72 .9dbm +13.9 dbm = 86.8 dbm
 5 Watt measurement



channel 4 @ 2.067GHz QPSK 1/2 FEC COFDM bandwidth 8MHz 36.7 dbm 4.7watts

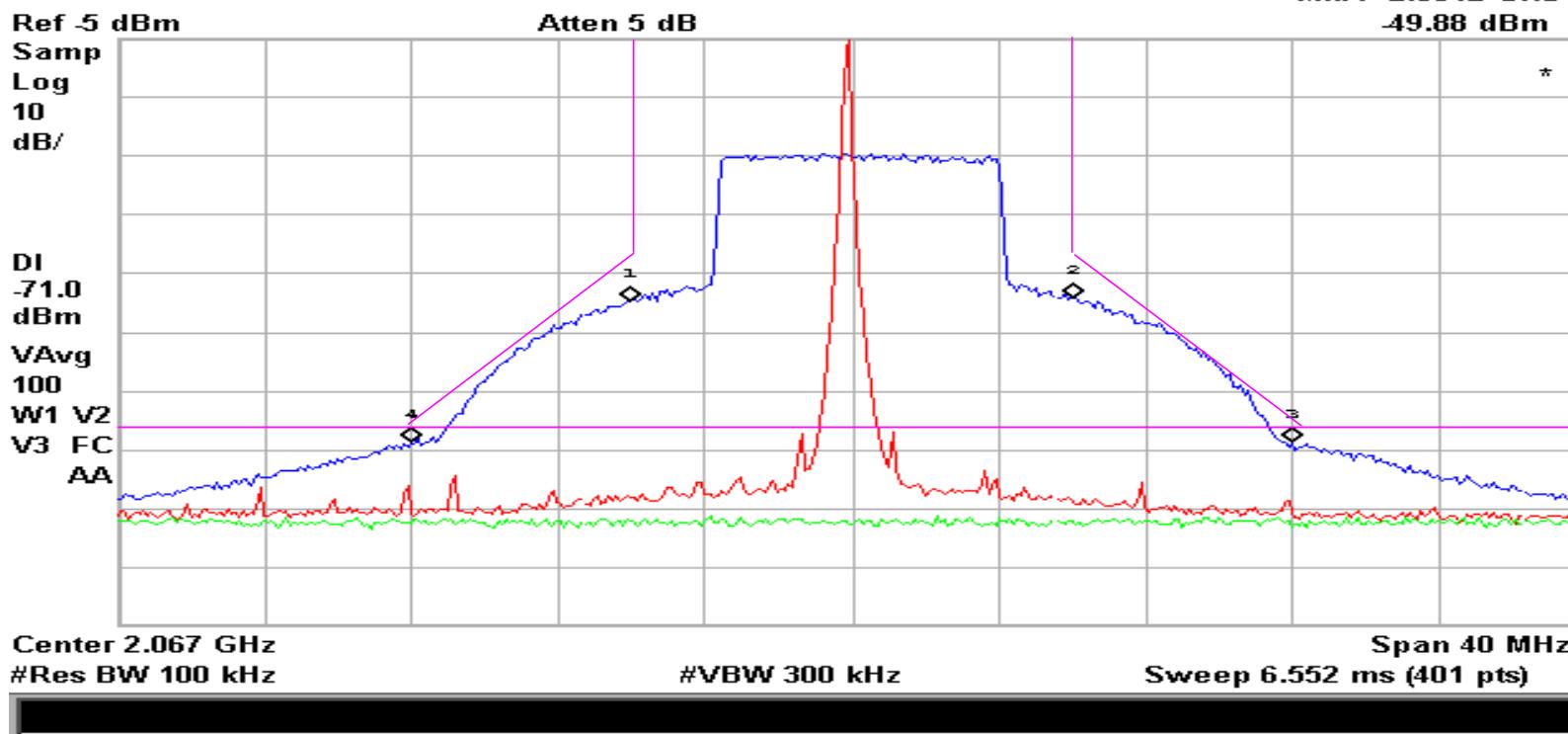
marker (1) and (2) 50% removed -50 dbm - -5dbm = - 45dbm +13.9dbm compliance factor 58.9db down from mean power of carrier

marker (3) and (4) 100% removed -74 dbm - -5dbm = - 69dbm +13.9dbm compliance factor 82.9db down from mean power of carrier

Agilent 08:22:41 Jul 26, 2005

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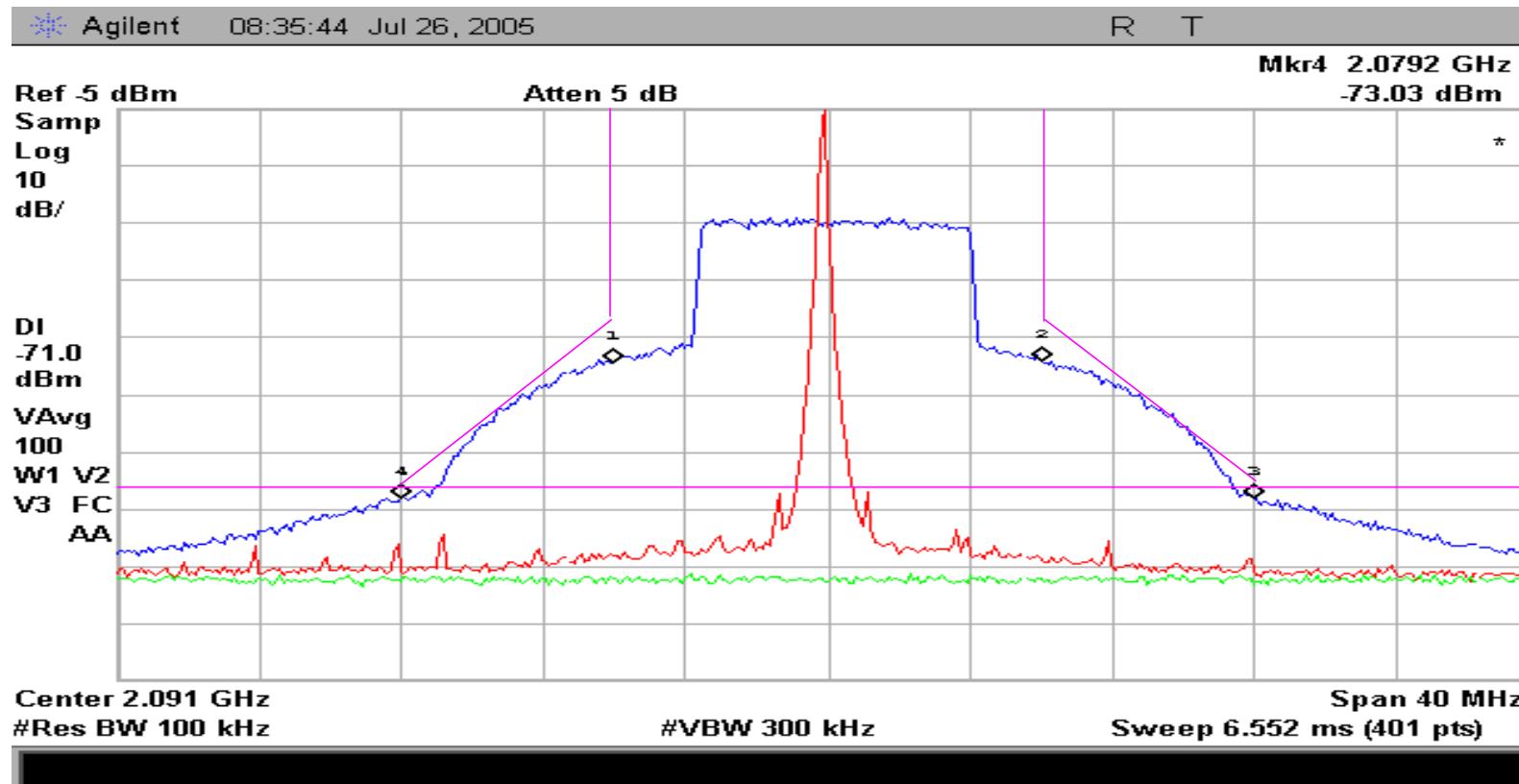
Mkr1 2.0612 GHz
49.88 dBm



CHANNEL (6) 2.091GHz 4.9WATTS @36 .8dbm

marker (1) and (2) 50% removed -50 dbm - -5dbm = - 45dbm +13.9dbm compliance factor 58.9db down from mean power of carrier

marker (3) and (4) 100% removed -73 dbm - -5dbm = - 68dbm +13.9dbm compliance factor 81.9db down from mean power of carrier



CHANNEL (7) 2.103GHz 4.9WATTS @36 .8dbm

marker (1) and (2) 50% removed -50 dbm - -5dbm = - 45dbm +13.9dbm compliance factor 58.9db down from mean power of carrier

marker (3) and (4) 100% removed -75 dbm - -5dbm = - 70dbm +13.9dbm compliance factor 83.9db down from mean power of carrier

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Mkr4 2.0916 GHz

-75.52 dBm

Ref 5 dBm

Samp
Log
10
dB/

DI
-71.0
dBm

VAvg
100
W1 V2
V3 FC
AA

Center 2.104 GHz
#Res BW 100 kHz

Atten 5 dB

#VBW 300 kHz

Span 40 MHz
Sweep 6.552 ms (401 pts)



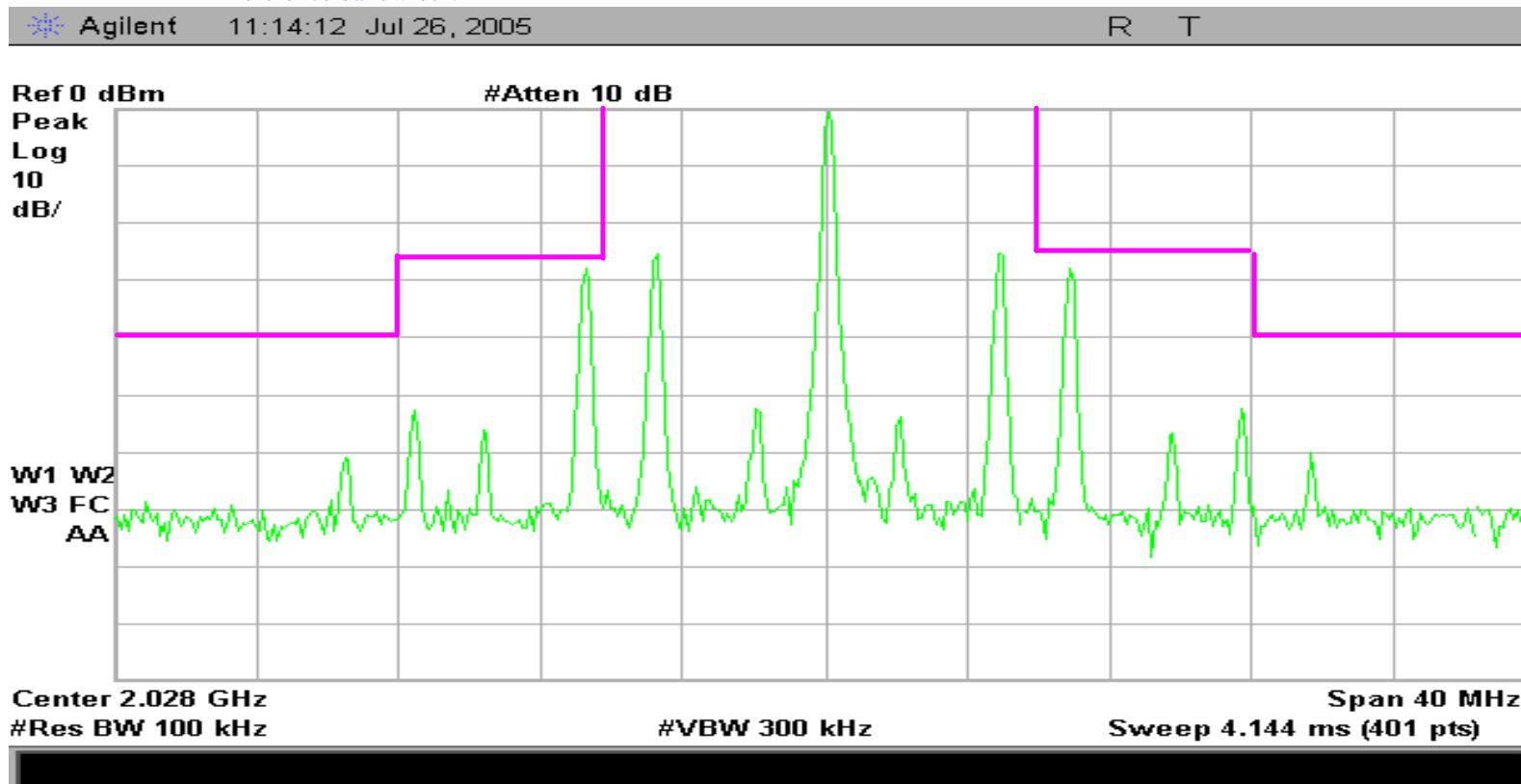
Analog spectral plots
channel (1)

Analog spectral plots

Analog Application:

“When using frequency modulation:

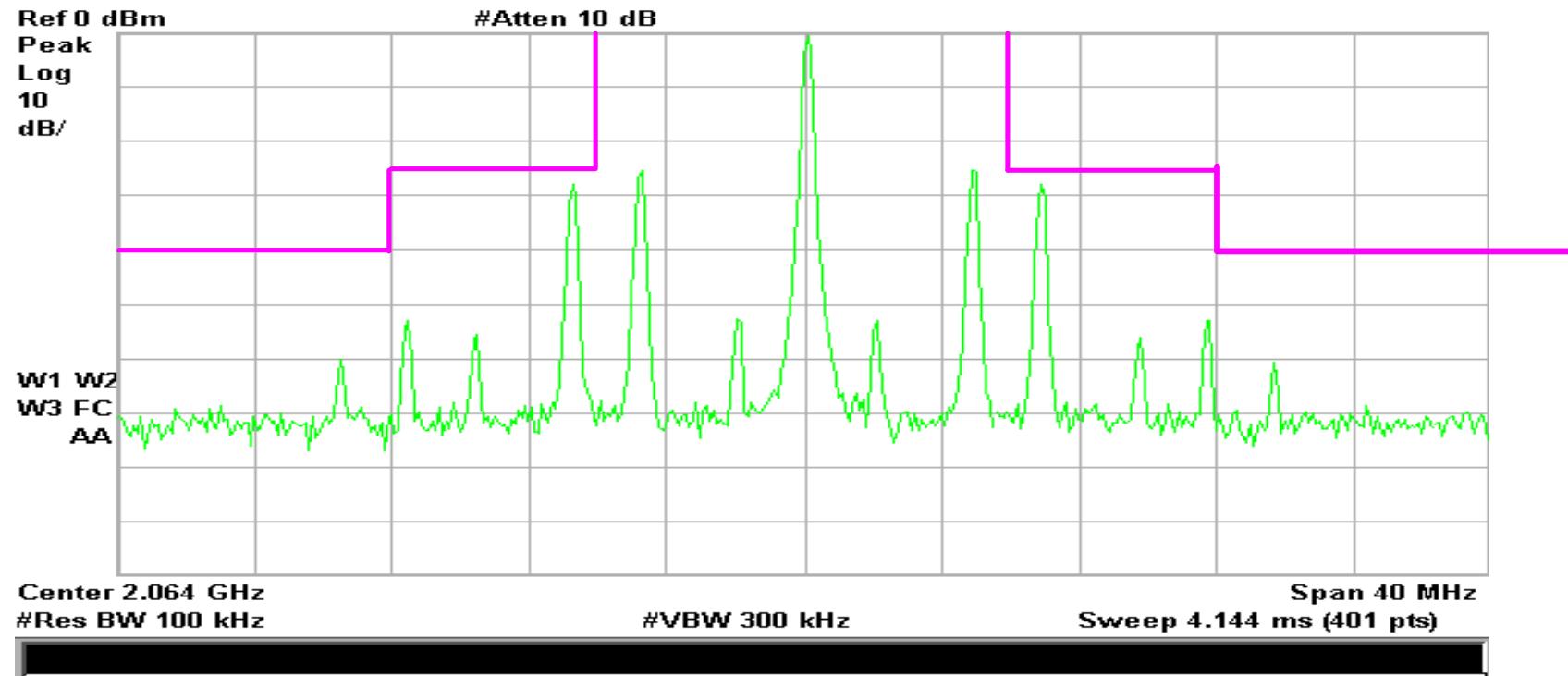
- (i) On any frequency removed from the assigned (center) frequency by more than 50 % up to and including 100 % of the authorized bandwidth: At least 25 db in any 100 KHz reference bandwidth (Bref):
- (ii) On any frequency removed from the assigned (center) frequency by more than 100% up to and including 250% of the authorized bandwidth: At least 35 db in any 100 KHz reference bandwidth.



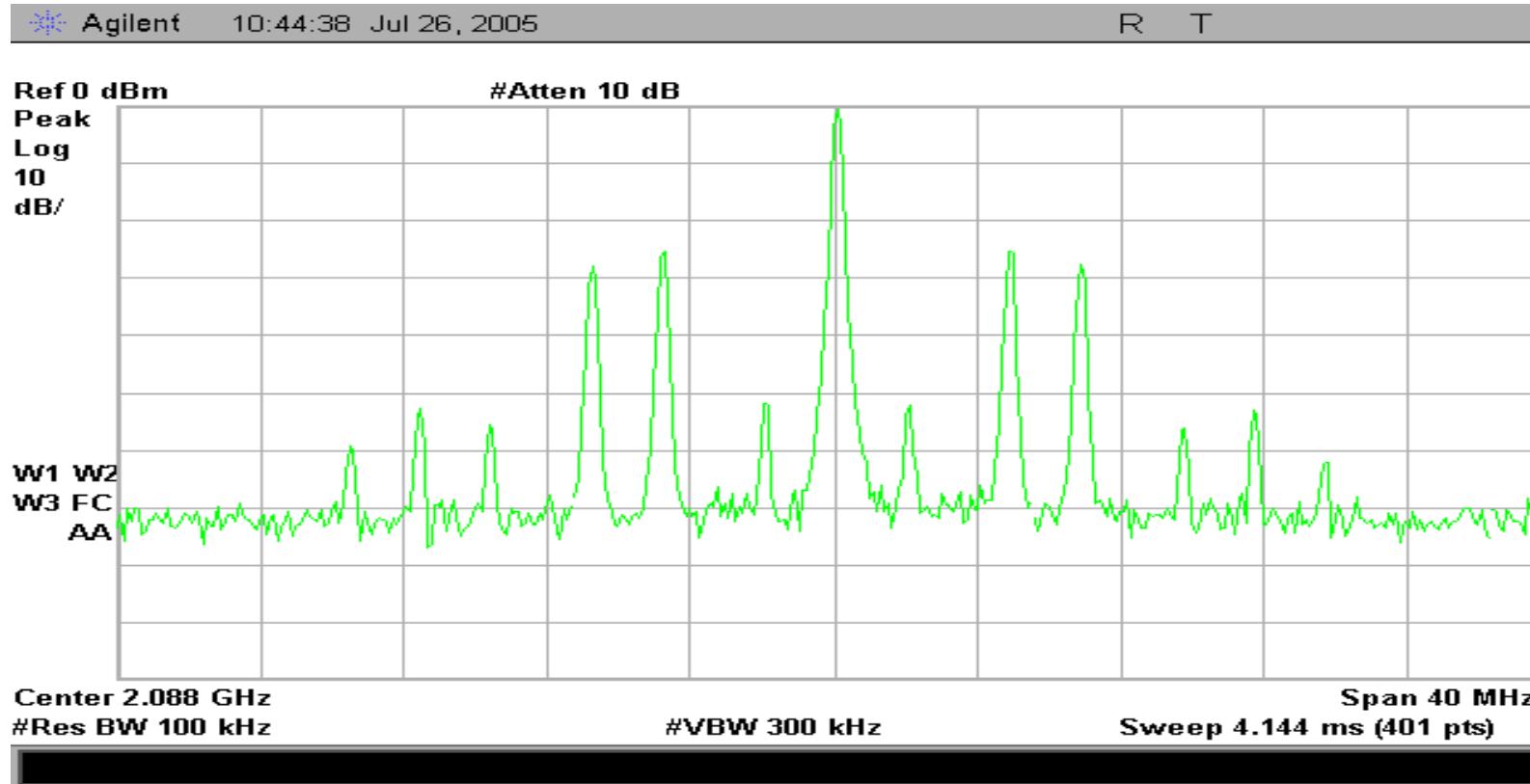
Analog spectral plots
channel (4)

Agilent 10:42:57 Jul 26, 2005

R T



Analog spectral plots
channel (6)



Analog spectral plots
channel (7)

