

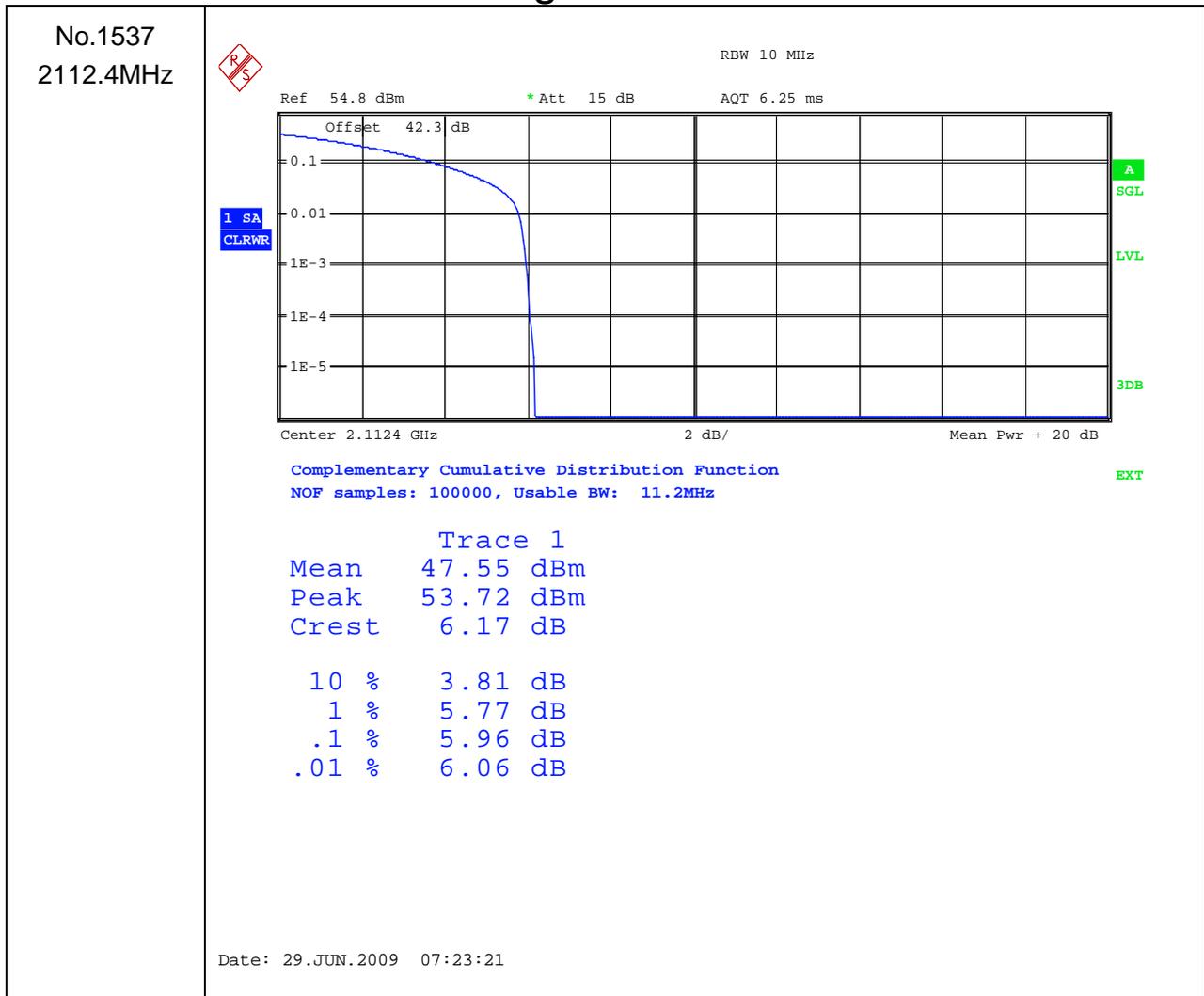


## 1 APPENDIX A- THE PEAK-TO-AVERAGE RATIO OF THE POWER



TM1:

## Single Carrier



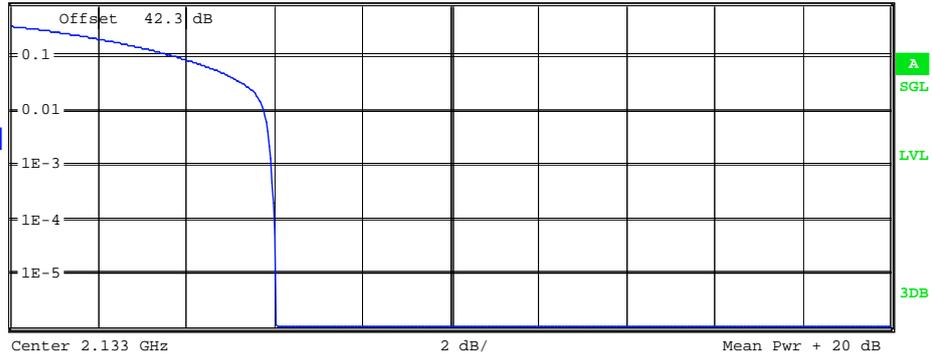


No.1640  
 2133MHz



RBW 10 MHz

Ref 54.8 dBm \* Att 15 dB AQT 6.25 ms



1 SA  
 CLRWR

Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 11.2MHz

EXT

Trace 1  
 Mean 47.48 dBm  
 Peak 53.51 dBm  
 Crest 6.03 dB  
  
 10 % 3.81 dB  
 1 % 5.77 dB  
 .1 % 5.93 dB  
 .01 % 6.03 dB

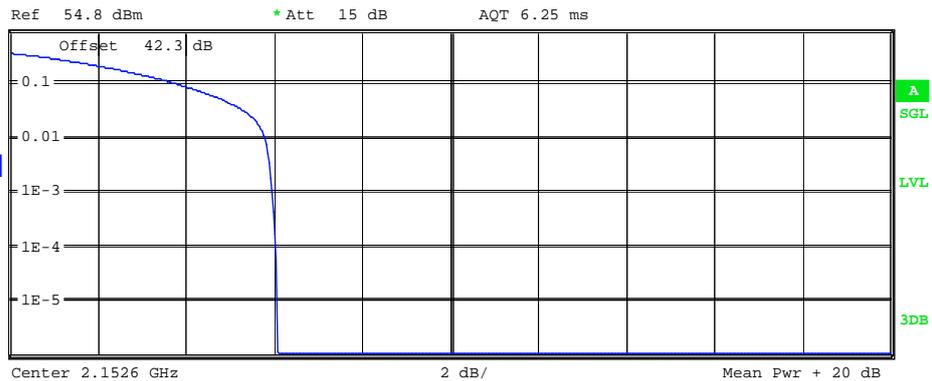
Date: 29.JUN.2009 07:47:51



No .1738  
 2152.6MHz



RBW 10 MHz



1 SA  
 CLRWR

Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 11.2MHz EXT

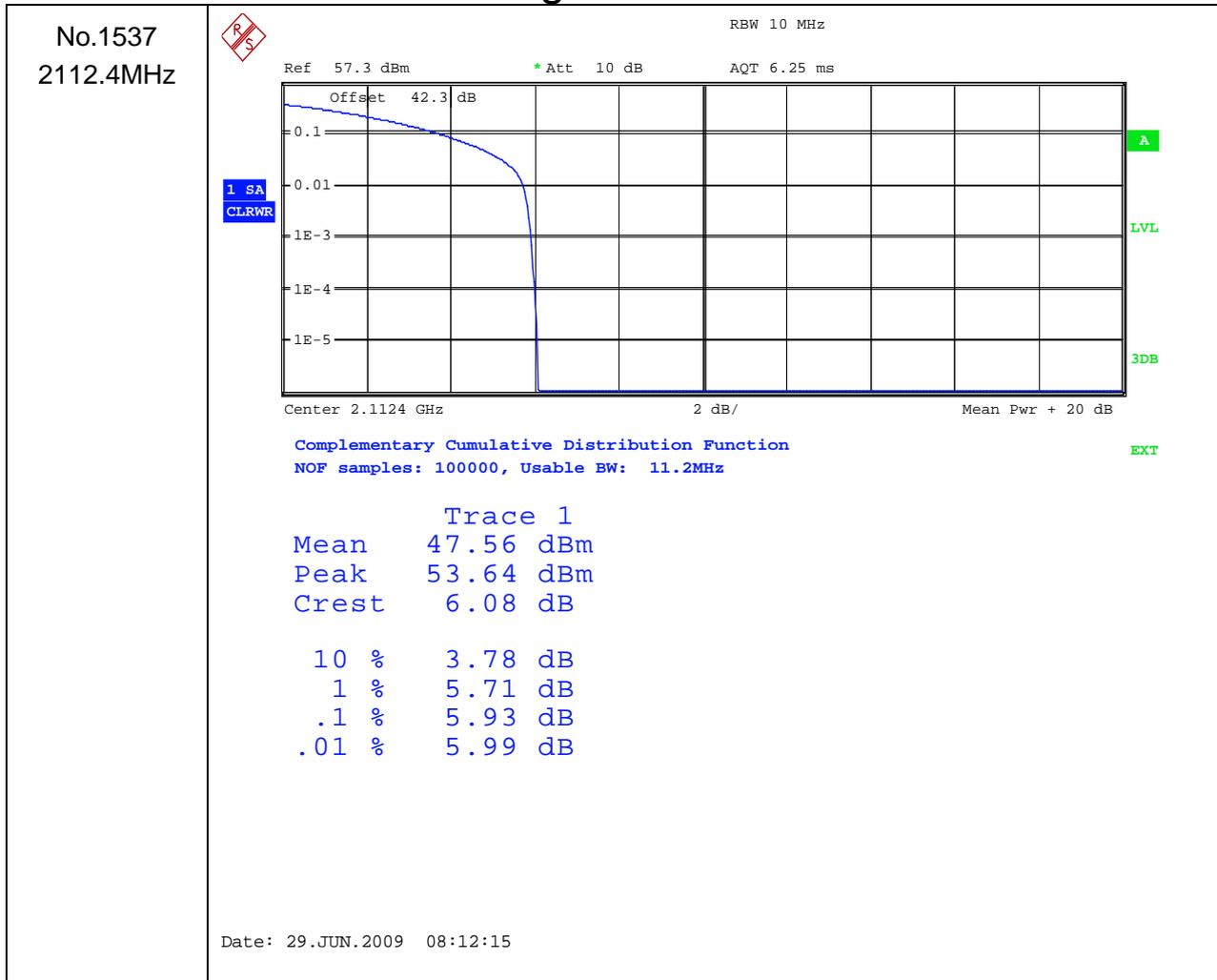
Trace 1  
 Mean 47.28 dBm  
 Peak 53.35 dBm  
 Crest 6.07 dB  
  
 10 % 3.81 dB  
 1 % 5.80 dB  
 .1 % 5.96 dB  
 .01 % 6.06 dB

Date: 29.JUN.2009 07:46:27



TM5:

### Single Carrier

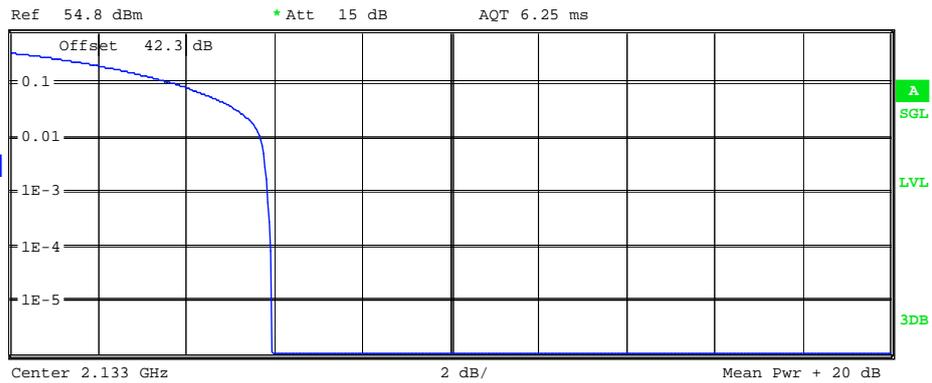




No.1640  
 2133MHz



RBW 10 MHz



Complementary Cumulative Distribution Function EXT  
 NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
 Mean 47.72 dBm  
 Peak 53.65 dBm  
 Crest 5.93 dB  
 10 % 3.78 dB  
 1 % 5.67 dB  
 .1 % 5.87 dB  
 .01 % 5.93 dB

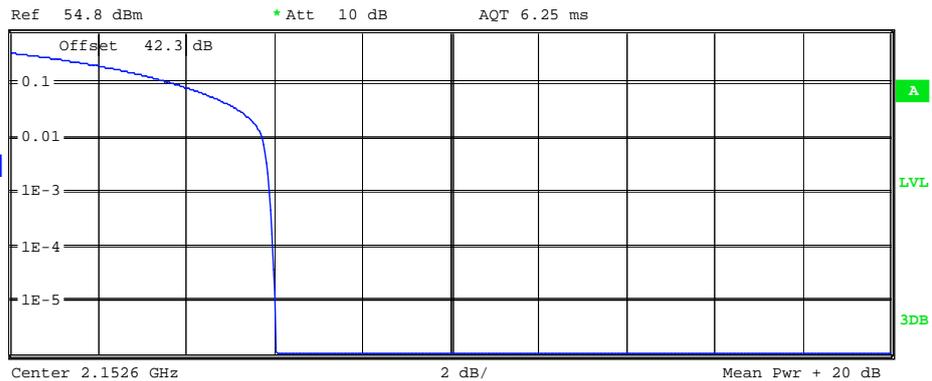
Date: 29.JUN.2009 07:49:30



No.1738  
 2152.6MHz



RBW 10 MHz



Complementary Cumulative Distribution Function EXT  
 NOF samples: 100000, Usable BW: 11.2MHz

Trace 1	
Mean	47.51 dBm
Peak	53.54 dBm
Crest	6.03 dB
10 %	3.78 dB
1 %	5.74 dB
.1 %	5.90 dB
.01 %	5.96 dB

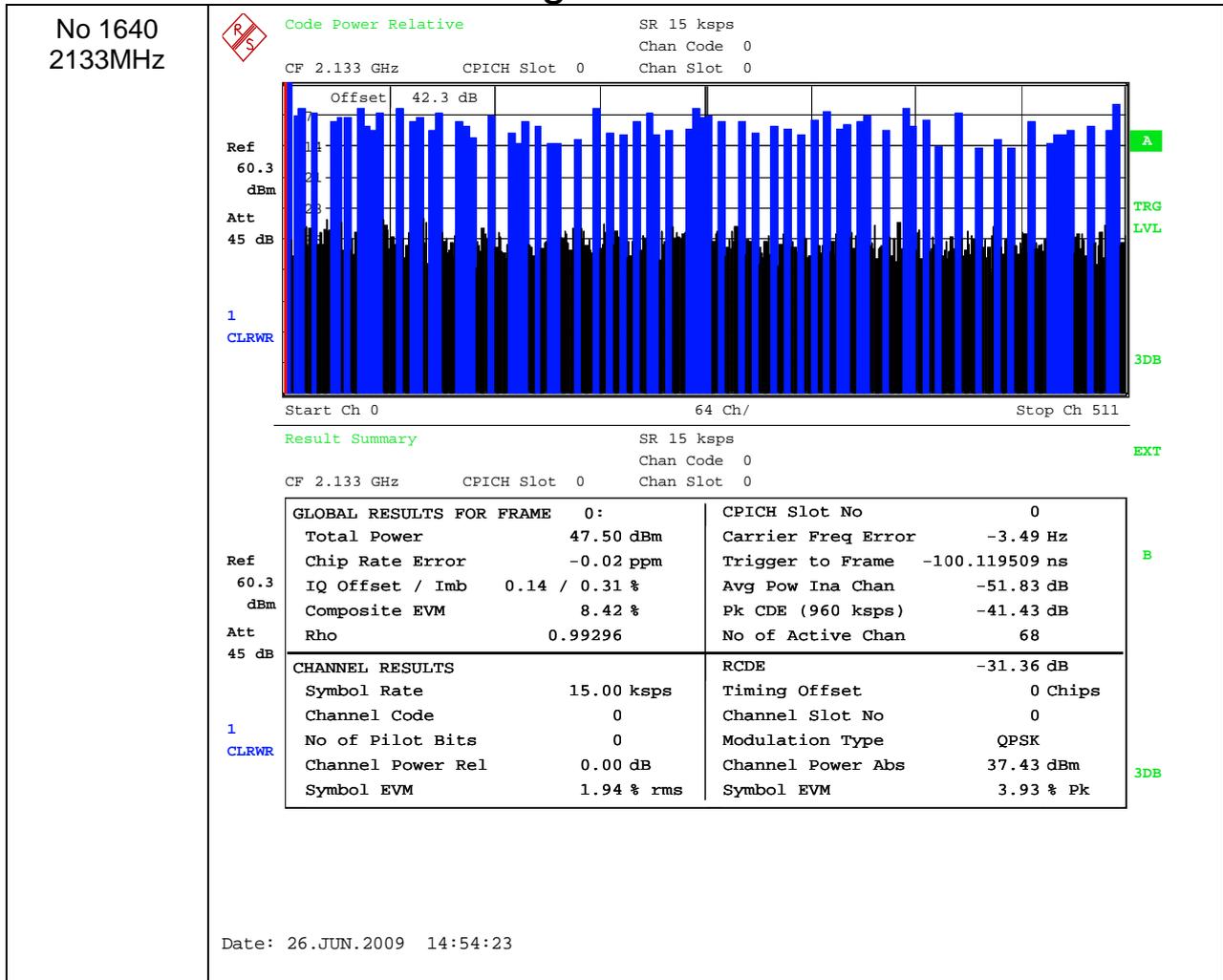
Date: 29.JUN.2009 08:30:46



## 2 APPENDIX B- MODULATION CHARACTERISTIC MEASUREMENT

TM1:

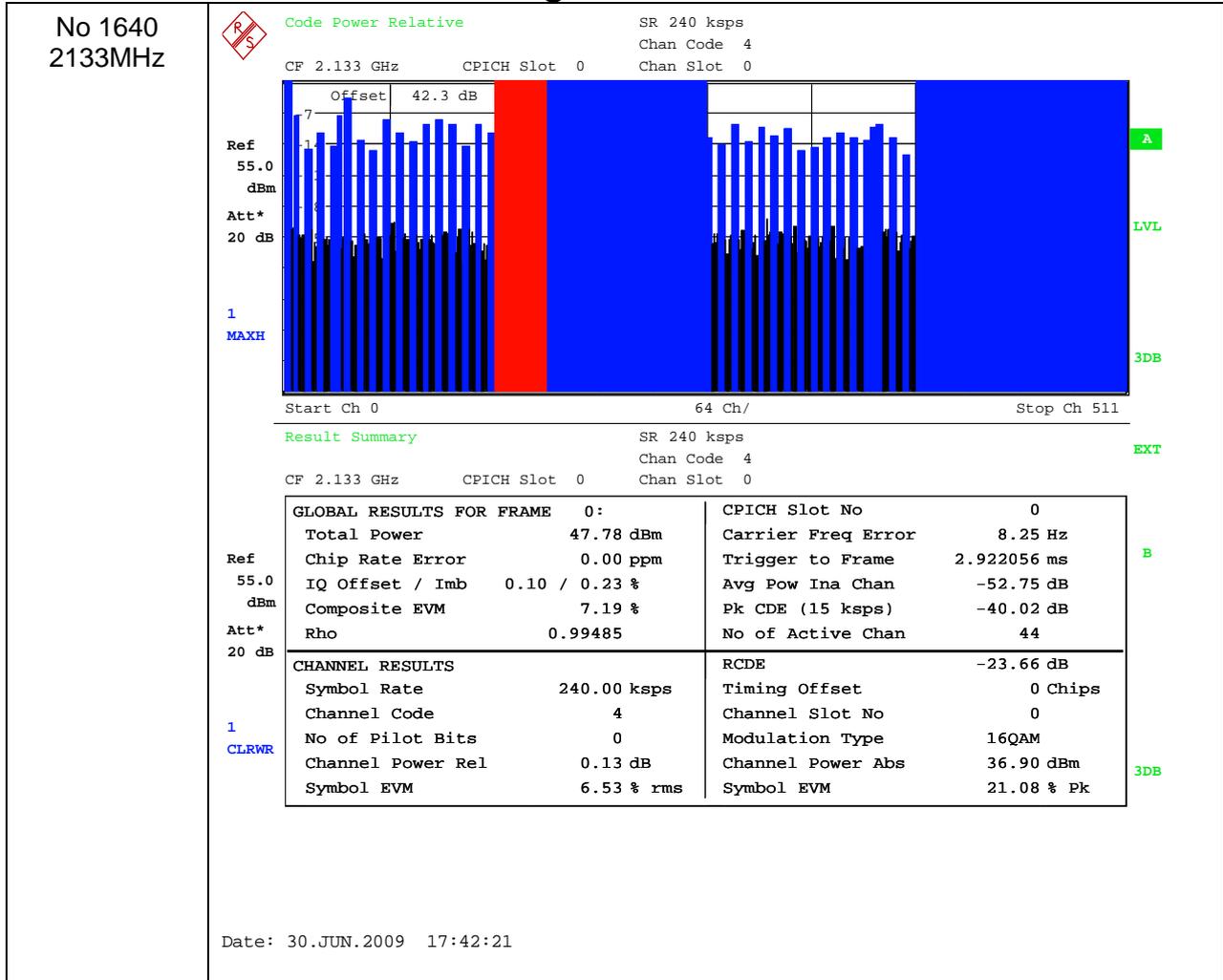
## Single Carrier





TM5

Single Carrier



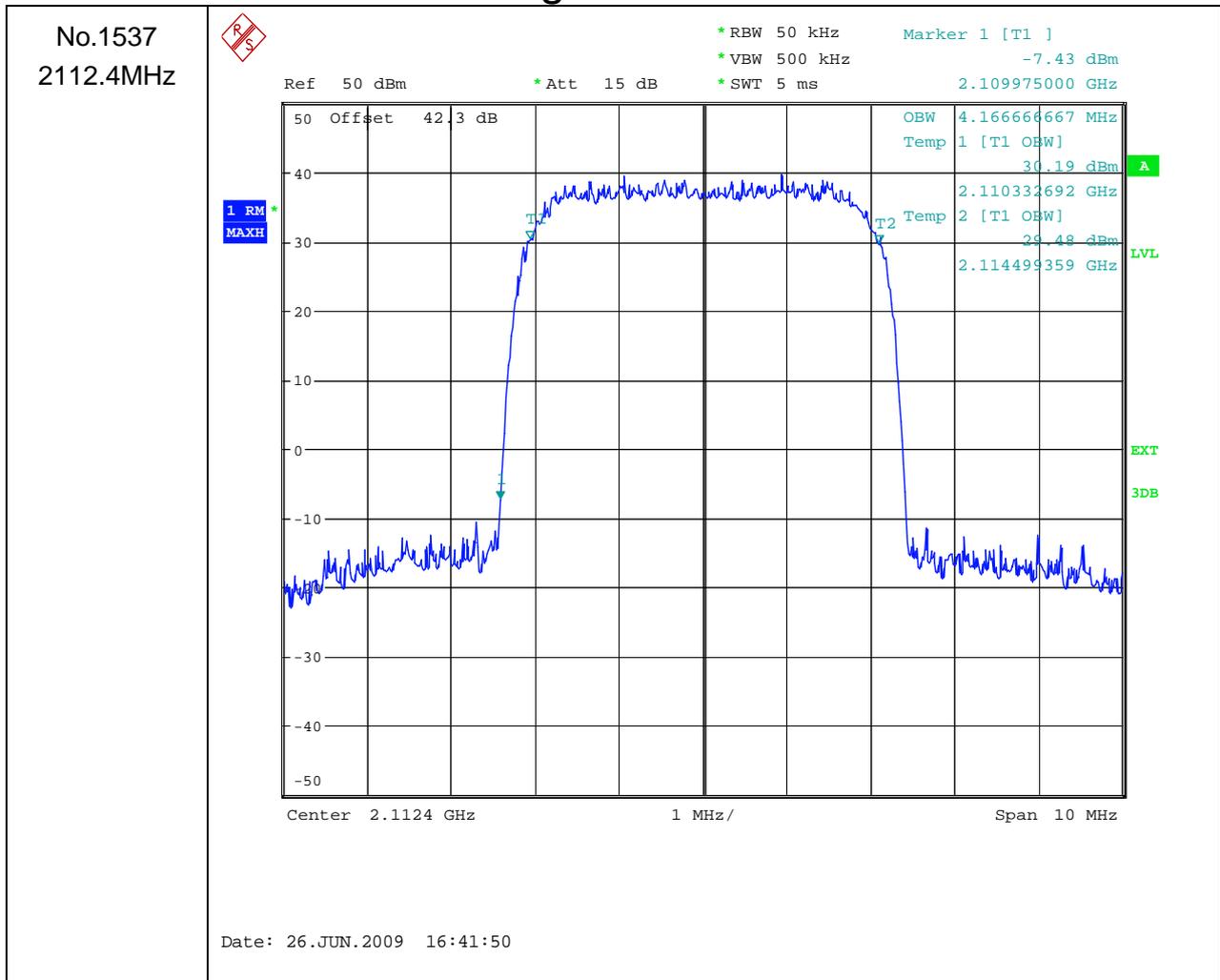


### **3 APPENDIX C- OCCUPIED BANDWIDTH MEASUREMENT**



TM1:

### Single Carrier



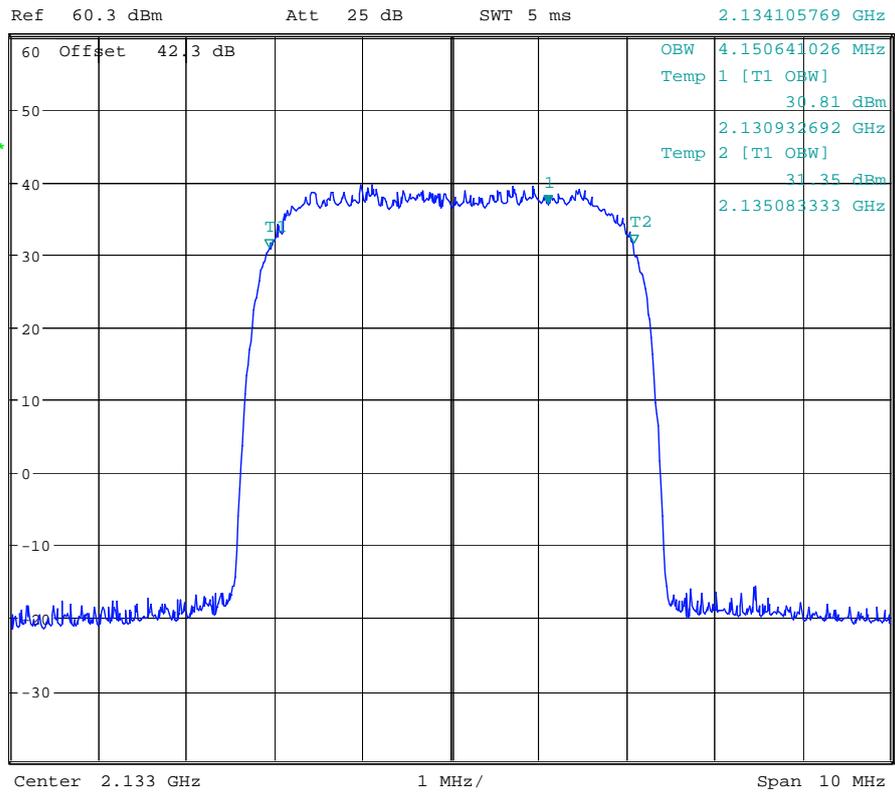


No.1640  
 2133MHz



\*RBW 50 kHz  
 VBW 500 kHz  
 SWT 5 ms

Marker 1 [T1 ]  
 36.93 dBm  
 2.134105769 GHz



Date: 26.JUN.2009 14:30:44

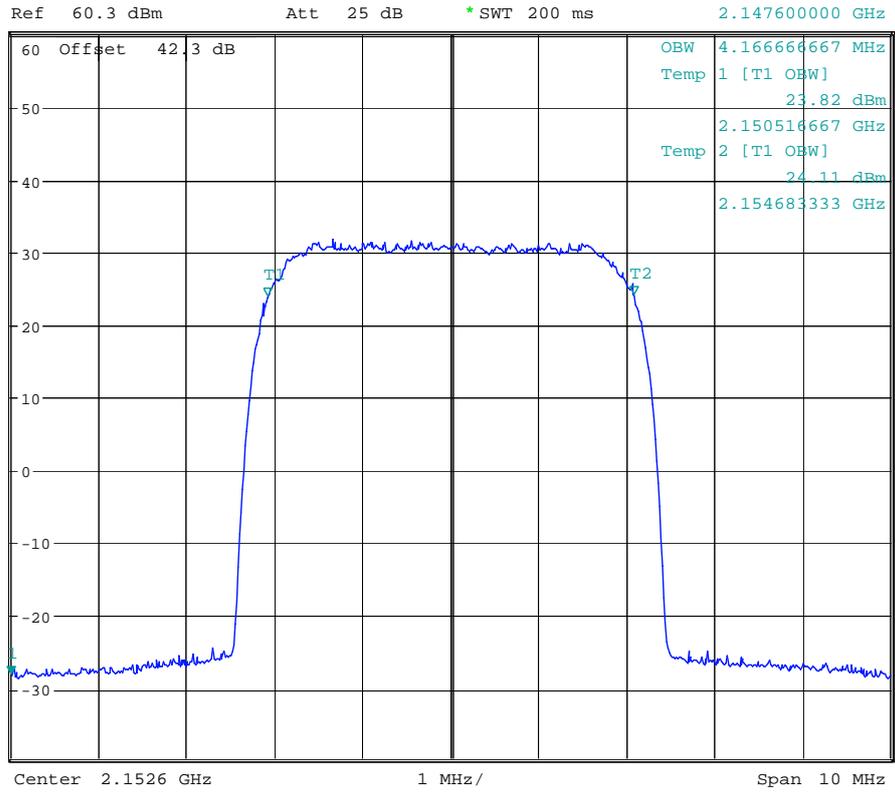


No.1738  
 2152.6MHz



\*RBW 50 kHz  
 \*VBW 500 kHz  
 \*SWT 200 ms

Marker 1 [T1 ]  
 -28.21 dBm  
 2.147600000 GHz

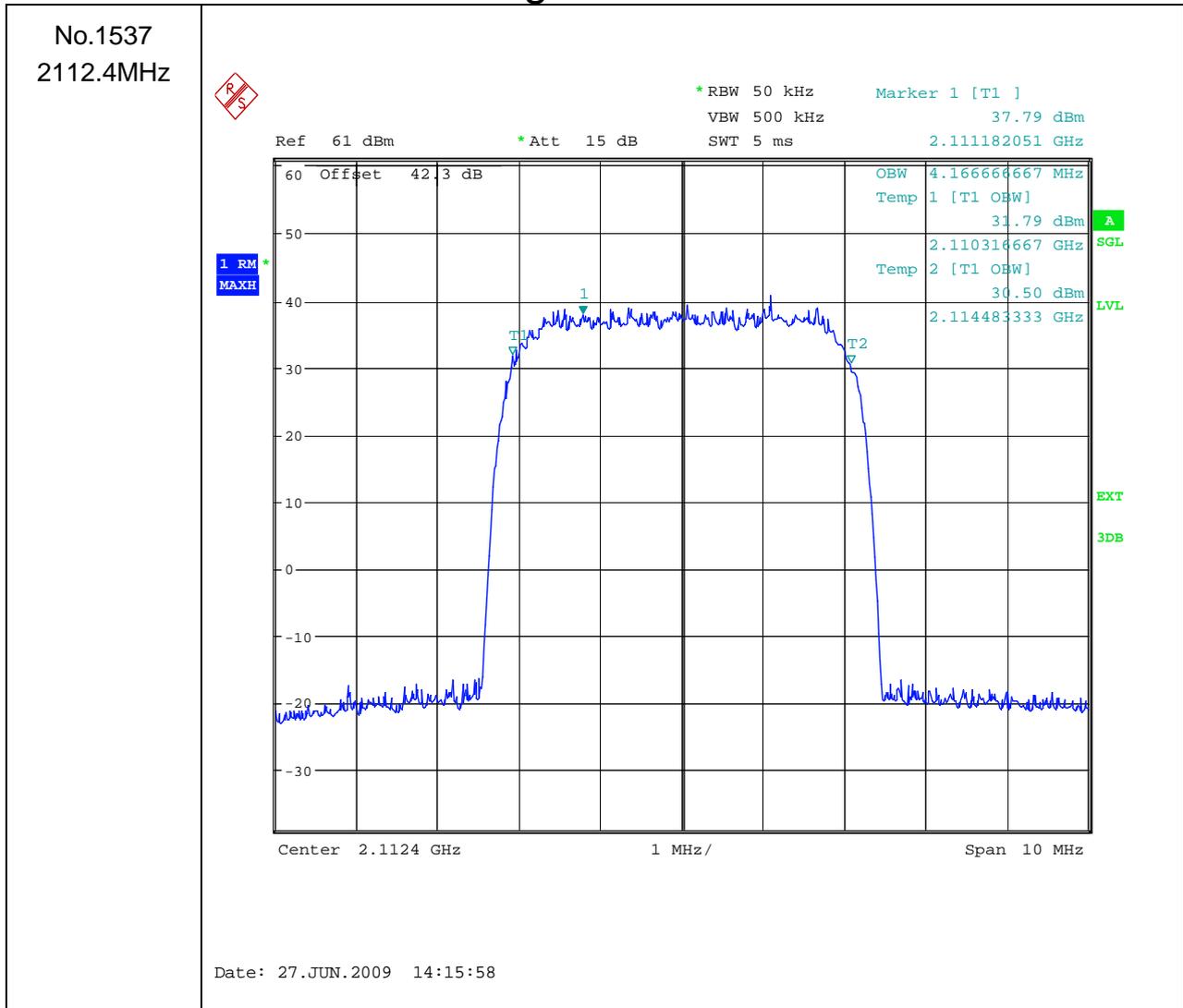


Date: 26.JUN.2009 15:20:47



TM5:

### Single Carrier

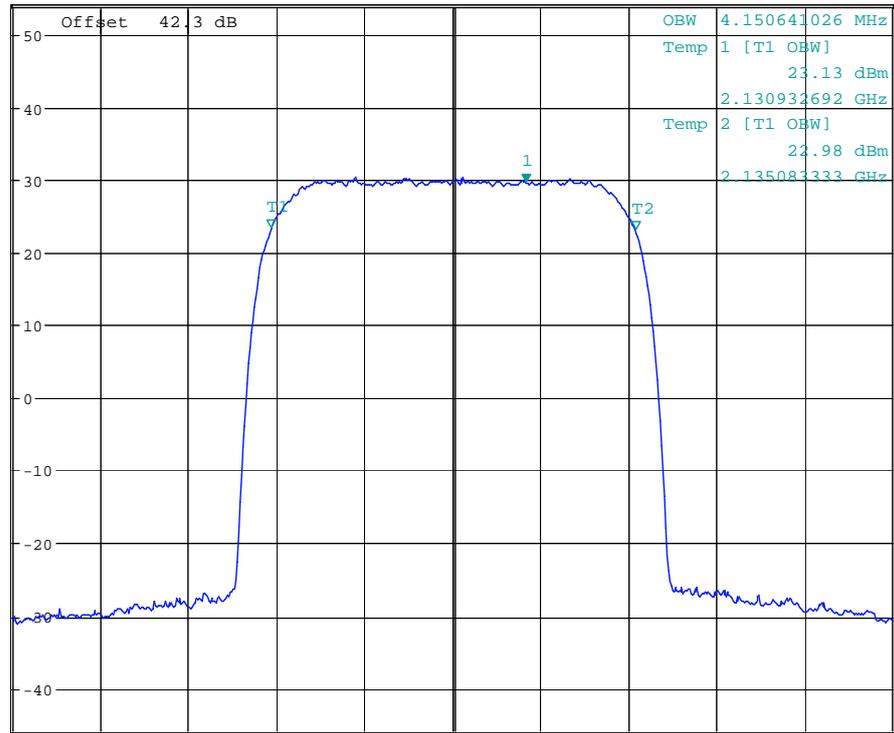




No.1640  
 2133MHz



Ref 54 dBm \* Att 15 dB \* RBW 50 kHz \* VBW 500 kHz \* SWT 1 s  
 Marker 1 [T1 ] 29.53 dBm  
 2.133833333 GHz



1 RM  
 MAXH

Center 2.133 GHz 1 MHz/ Span 10 MHz

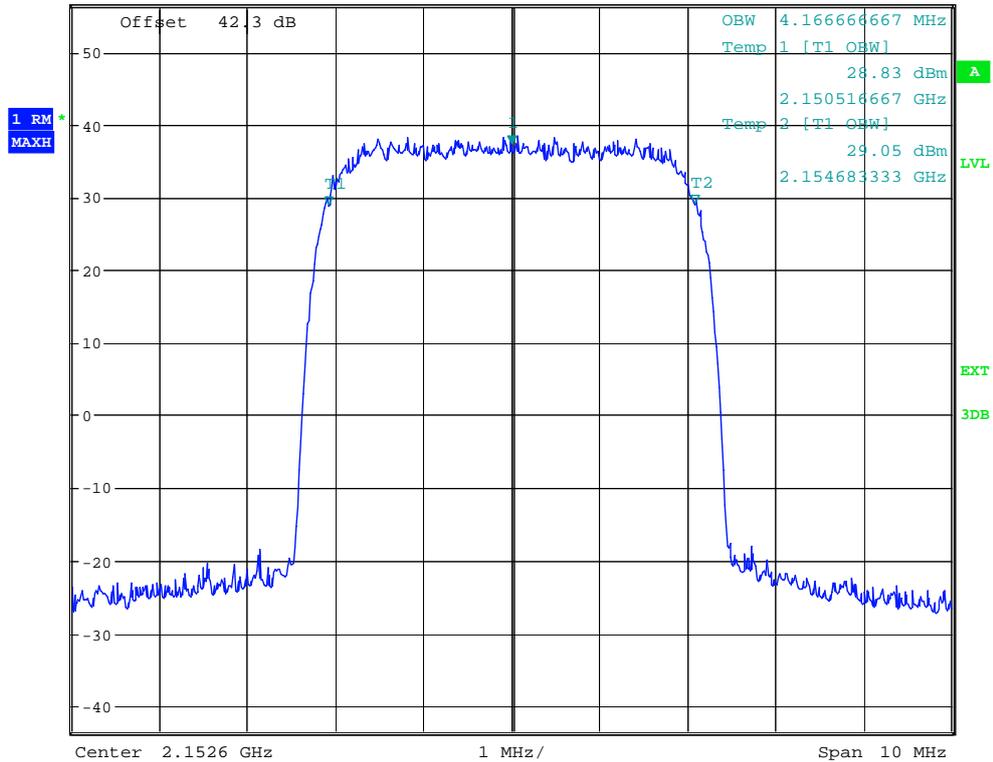
Date: 29.JUN.2009 07:51:58



No.1738  
2152.6MHz



Ref 56.4 dBm \* Att 10 dB \* RBW 50 kHz VBW 500 kHz SWT 5 ms Marker 1 [T1 ] 37.12 dBm  
2.152600000 GHz



Date: 29.JUN.2009 08:25:23

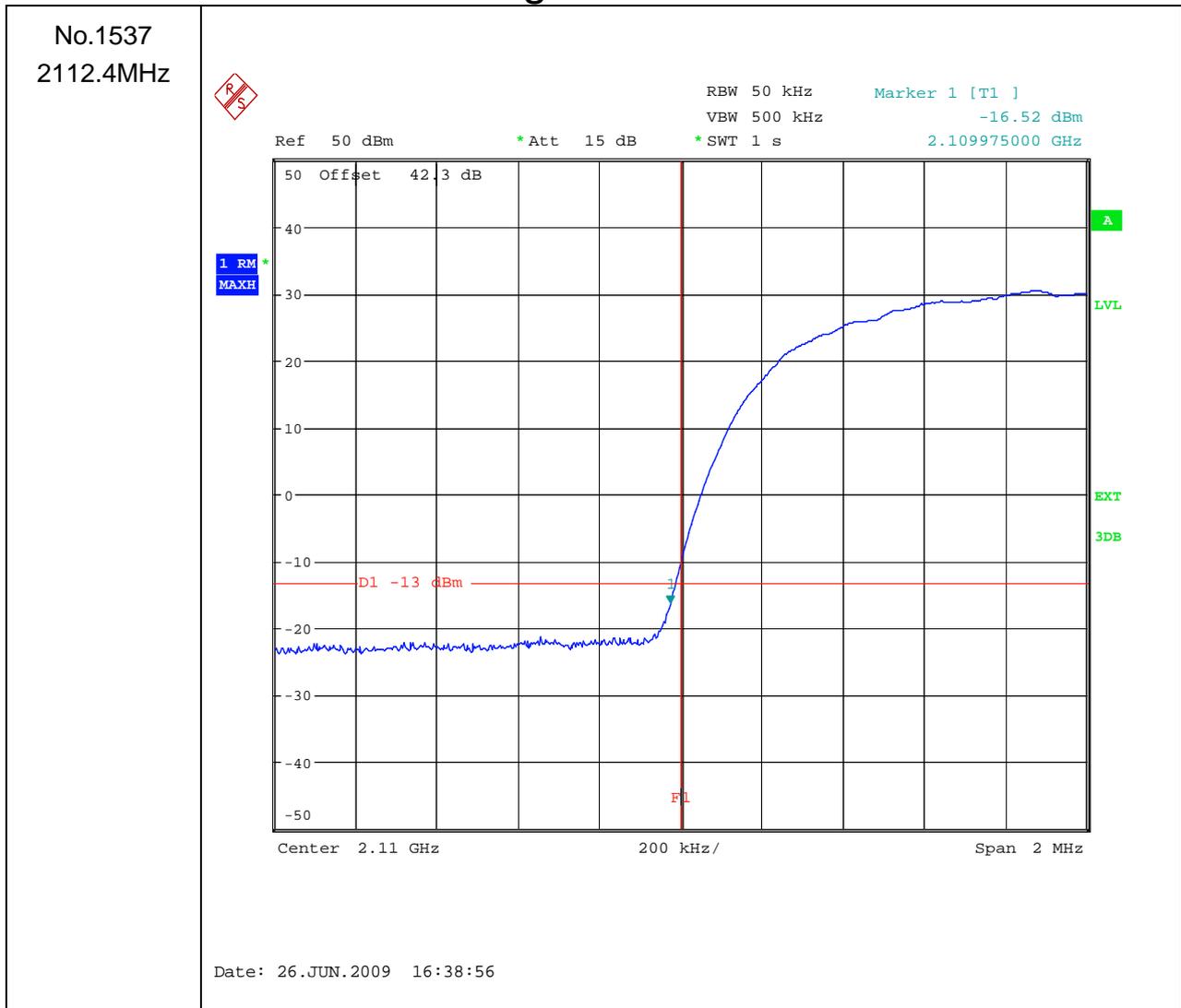


## 4 APPENDIX D- BAND EDGE MEASUREMENT



TM1:

### Single Carrier



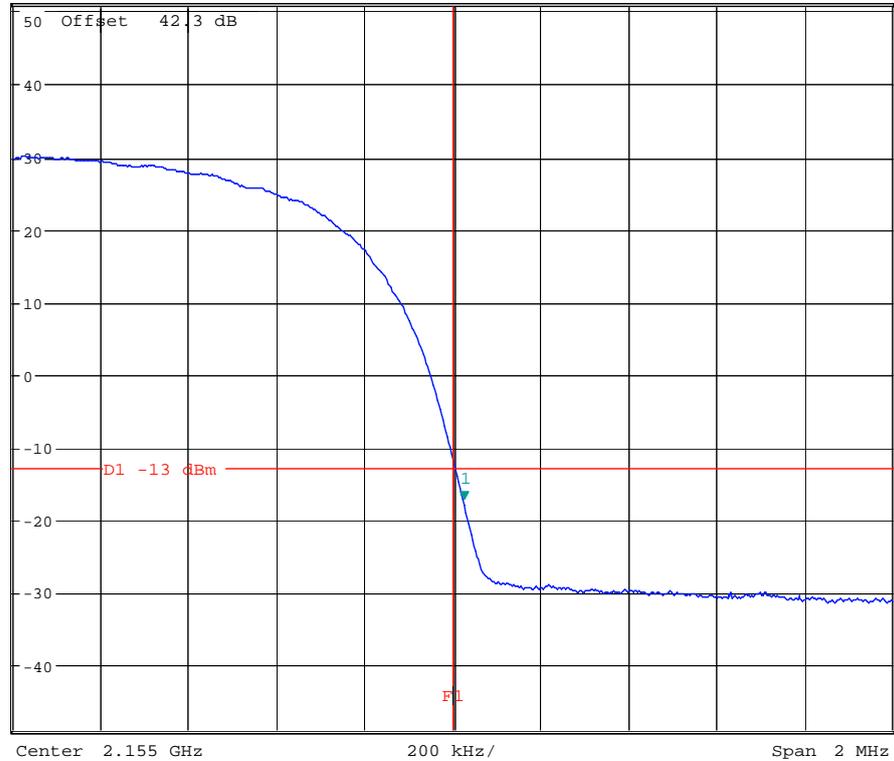


No.1738  
 2152.6MHz



Ref 51 dBm \* Att 15 dB \* RBW 50 kHz \* VBW 500 kHz \* SWT 1 s  
 Marker 1 [T1 ] -17.46 dBm  
 2.155025000 GHz

1 RM  
 MAXH



Date: 26.JUN.2009 15:36:23

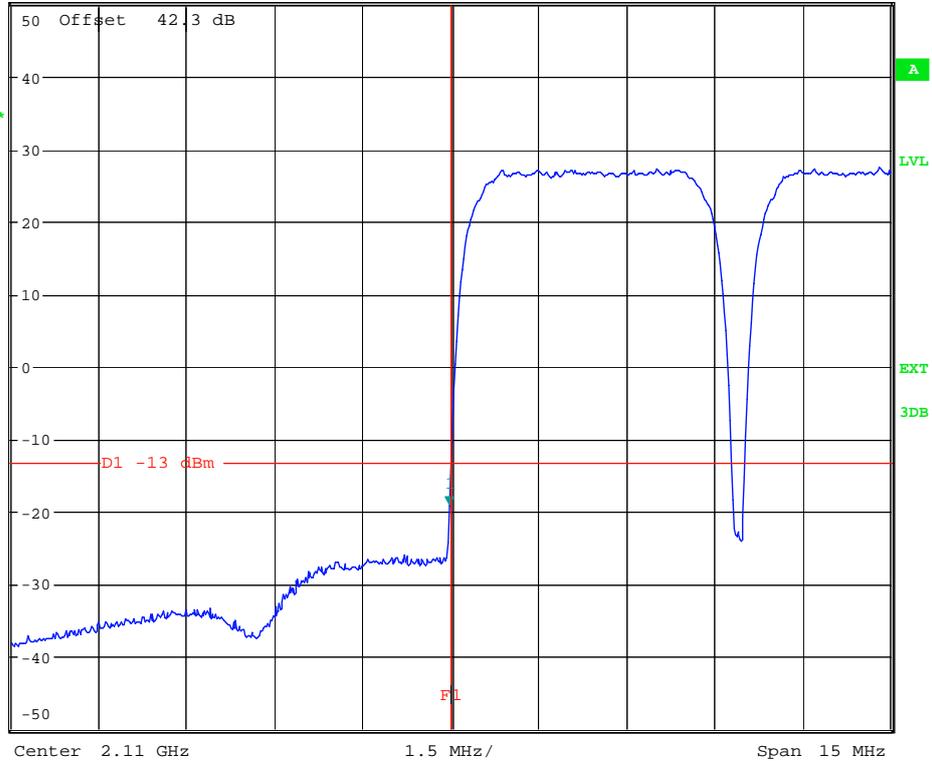


## Two Carriers

No.1537/1562  
 2112.4MHz/21  
 17.4MHz



Ref 50 dBm \*Att 15 dB \*RBW 50 kHz \*VBW 500 kHz \*SWT 1 s  
 Marker 1 [T1 ] -19.21 dBm  
 2.109975000 GHz



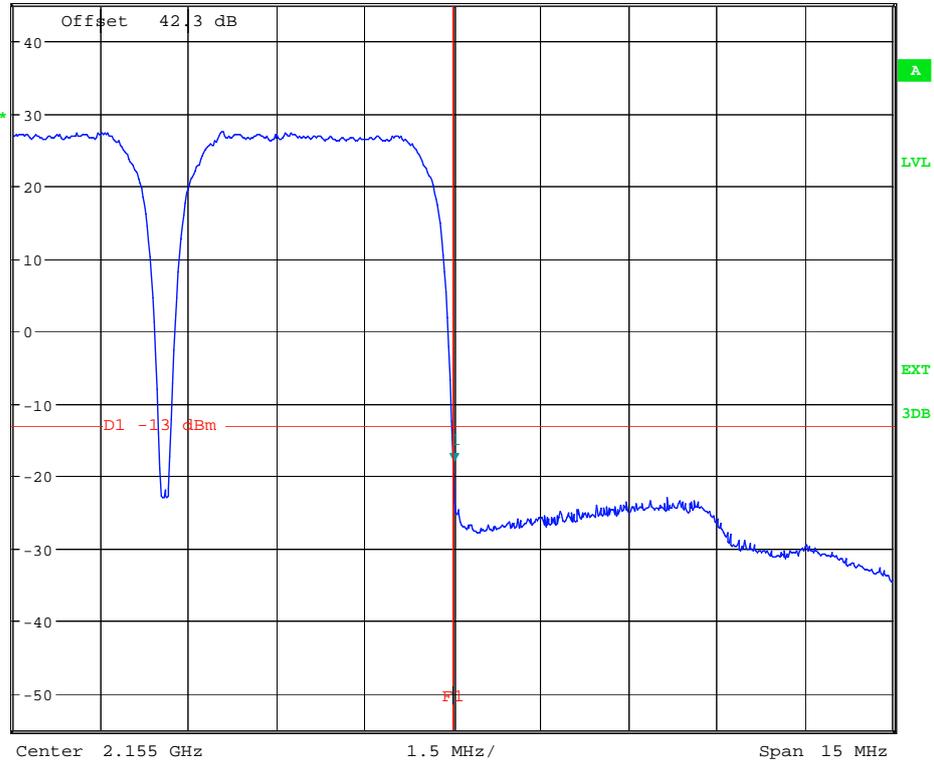
Date: 26.JUN.2009 16:53:31



No:1713/1738  
 2147.6MHz/21  
 52.6MHz



Ref 45 dBm \* Att 15 dB \* RBW 50 kHz \* VBW 500 kHz \* SWT 1 s  
 Marker 1 [T1 ] -18.17 dBm  
 2.155025000 GHz



Date: 27.JUN.2009 12:38:37



# Three Carriers

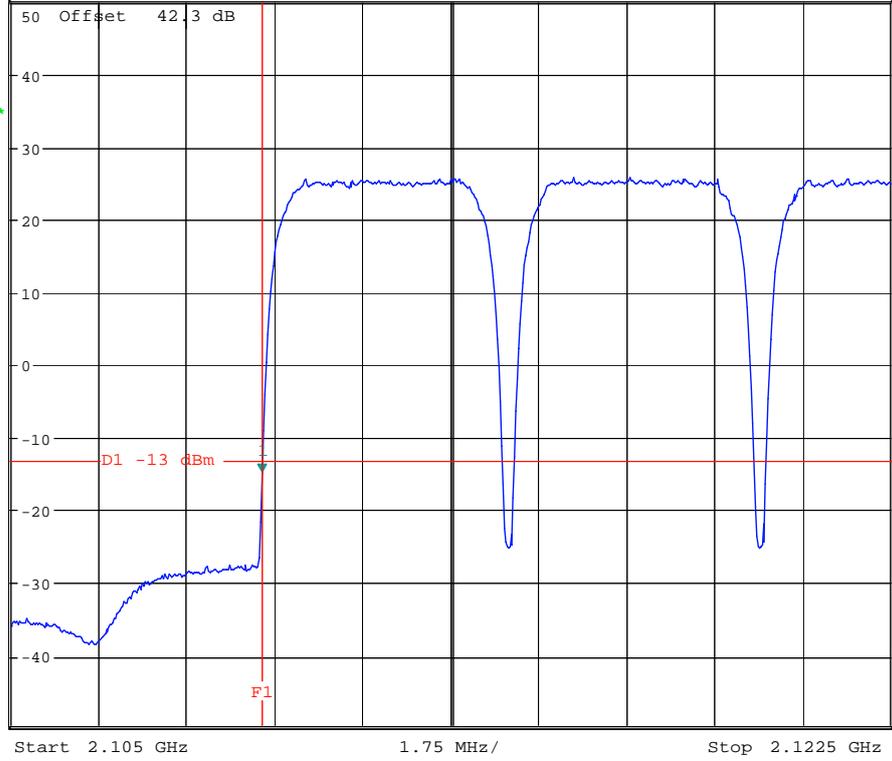
No.1537/1562/  
1587

2112.4MHz/21  
17.4MHz/2122  
.4MHz



Ref 50.3 dBm \* Att 15 dB \* RBW 50 kHz Marker 1 [T1 ]  
\* VBW 500 kHz -14.95 dBm  
\* SWT 1 s 2.110000000 GHz

1 RM \*  
MAXH



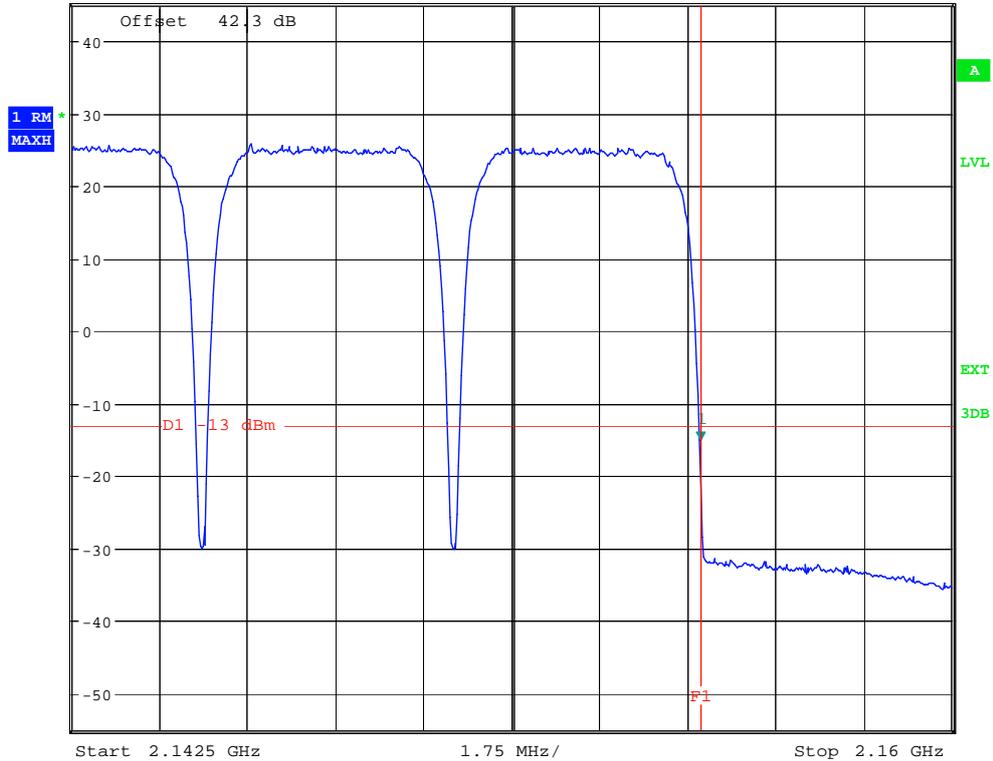
Date: 27.JUN.2009 16:03:43



No:1688/1713/  
1738  
2142.6MHz/M  
Hz/2147.6MHz  
/  
2152.6MHz



Ref 45 dBm \* Att 15 dB \* RBW 50 kHz \* VBW 500 kHz \* SWT 1 s  
Marker 1 [T1 ] -15.18 dBm  
2.155000000 GHz



Date: 27.JUN.2009 12:49:10



# Four Carriers

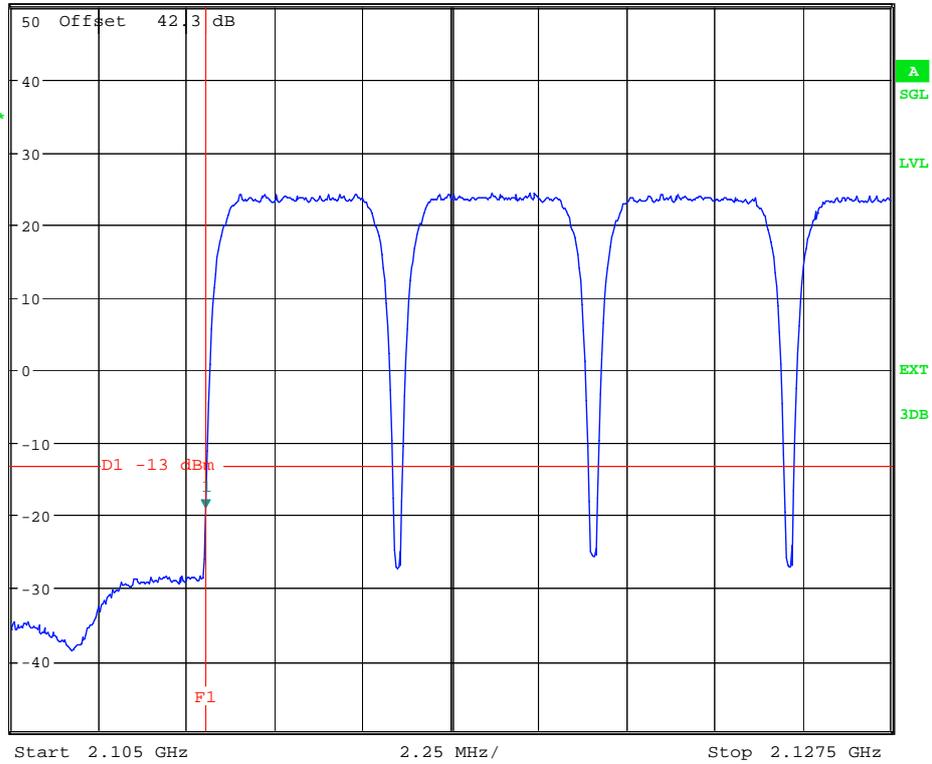
No.1537/1562/  
1587/1612

2112.4MHz/21  
17.4MHz/2122  
.4MHz/2127.4  
MHz



Ref 50.3 dBm \* Att 15 dB \* RBW 50 kHz Marker 1 [T1 ]  
\* VBW 500 kHz -19.11 dBm  
\* SWT 1 s 2.109975000 GHz

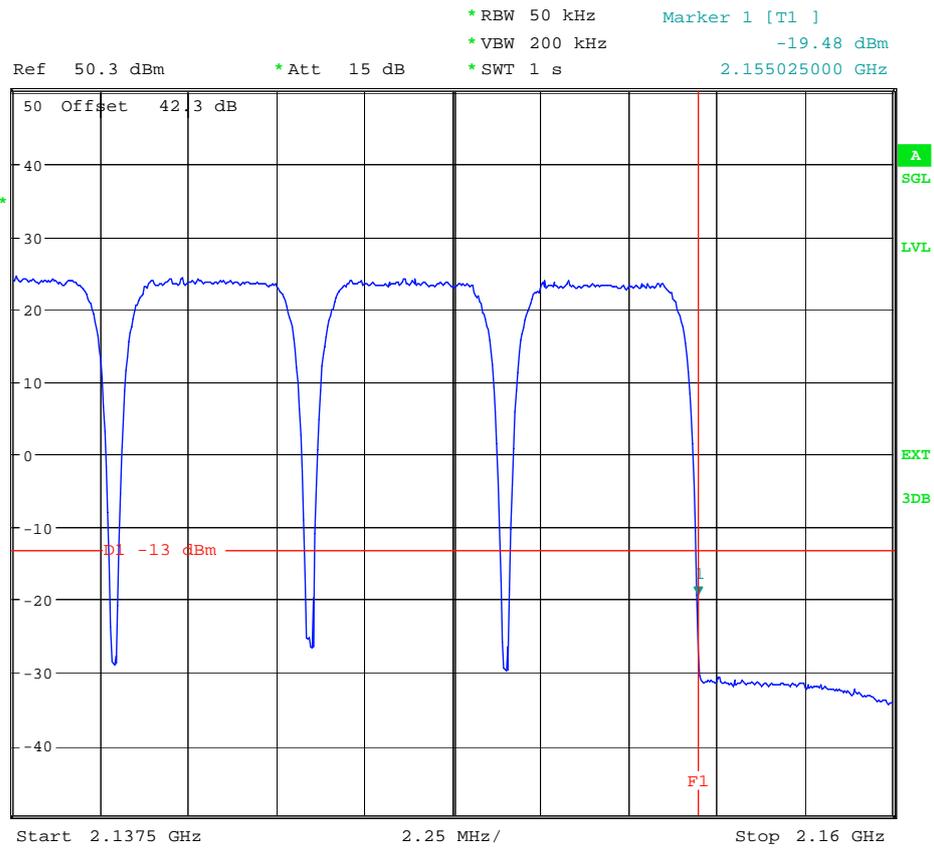
1 RM \*  
MAXH



Date: 27.JUN.2009 16:25:44



No:1663/1688/  
1713/1738  
2137.6MHz/21  
42.6MHz/  
2147.6MHz/21  
52.6MHz



Date: 27.JUN.2009 16:39:20



TM5:

### Single Carrier

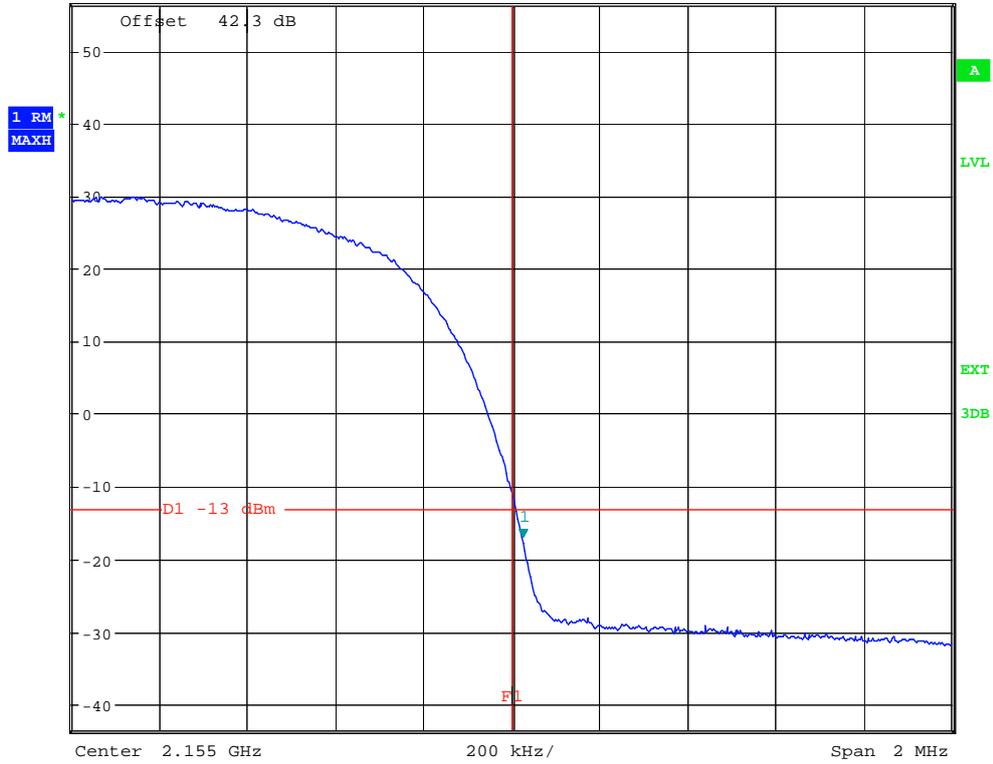




No:1738  
2152.6MHz



Ref 56.4 dBm \* Att 10 dB \* RBW 50 kHz \* SWT 1 s  
Marker 1 [T1 ]  
VBW 500 kHz -17.13 dBm  
2.155025000 GHz



Date: 29.JUN.2009 08:26:33



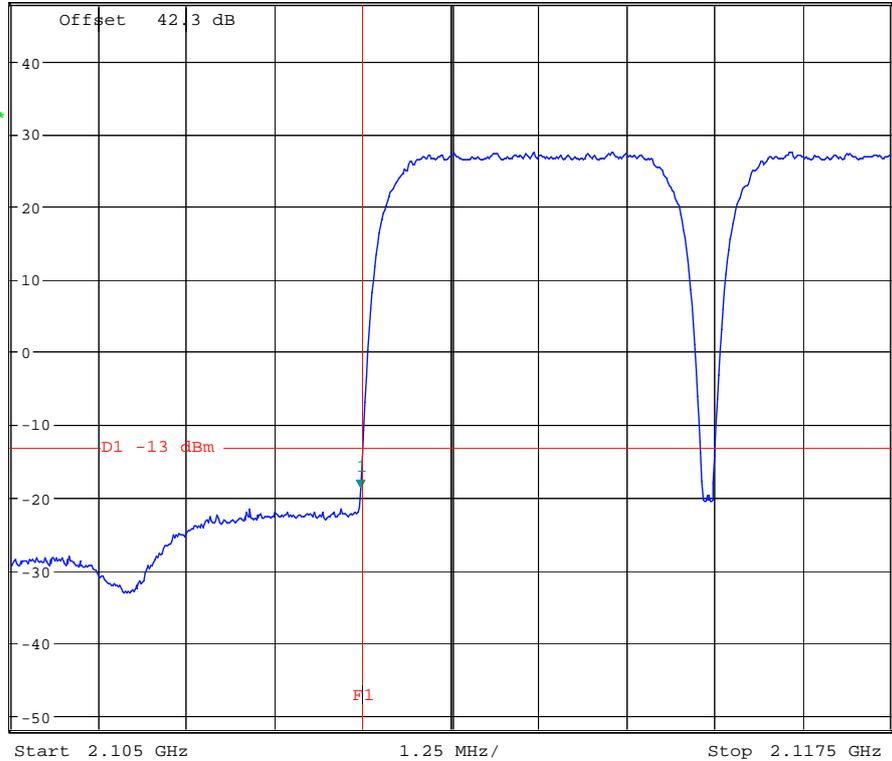
# Two Carriers

No.1537/1562  
2112.4MHz/21  
17.4MHz



Ref 48 dBm \* Att 10 dB \* RBW 50 kHz \* SWT 1 s  
Offset 42.3 dB VBW 500 kHz Marker 1 [T1 ]  
-18.99 dBm  
2.109975000 GHz

1 RM  
MAXH



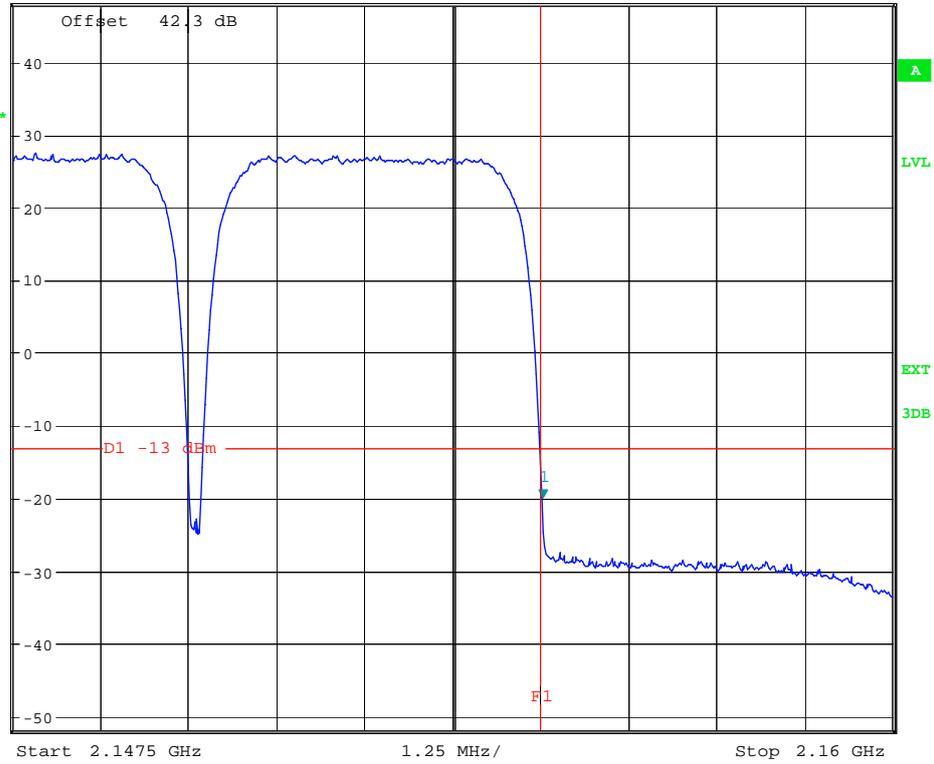
Date: 29.JUN.2009 08:53:50



No:1713/1738  
 2147.6MHz/21  
 52.6MHz



Ref 48 dBm \*RBW 50 kHz \*Att 10 dB \*SWT 1 s Marker 1 [T1 ]  
 VBW 500 kHz -20.23 dBm  
 2.155025000 GHz



Date: 29.JUN.2009 09:00:46



### Three Carriers

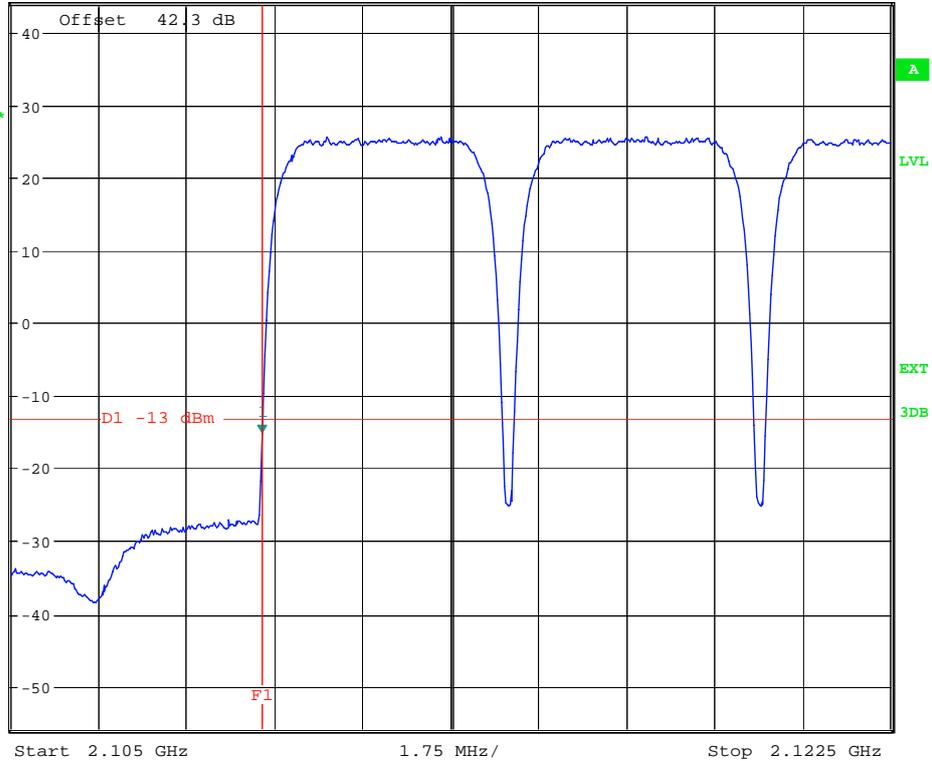
No.1537/1562/  
1587

2112.4MHz/21  
17.4MHz/2122  
.4MHz



Ref 44 dBm \* Att 10 dB \* RBW 50 kHz \* VBW 500 kHz \* SWT 1 s  
 Offset 42.3 dB Marker 1 [T1] -15.43 dBm  
 2.110000000 GHz

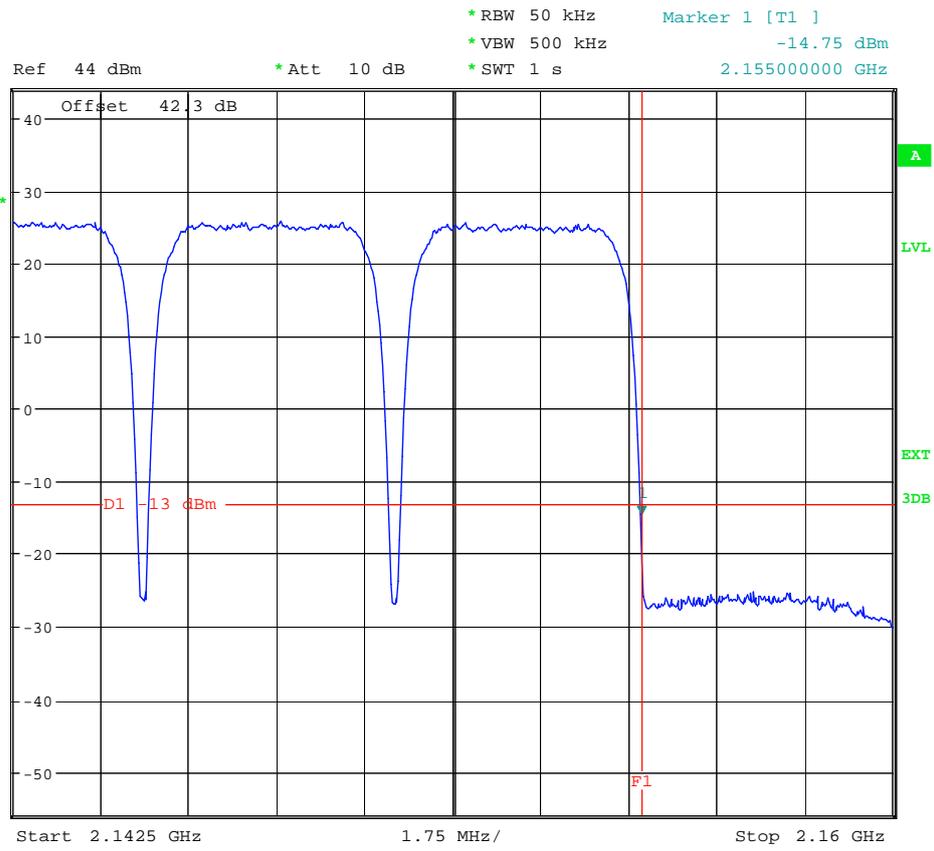
1 RM  
MAXH



Date: 29.JUN.2009 10:32:03



No:1688/1713/  
 1738  
 2142.6MHz/M  
 Hz/2147.6MHz  
 /  
 2152.6MHz



Date: 29.JUN.2009 10:26:31



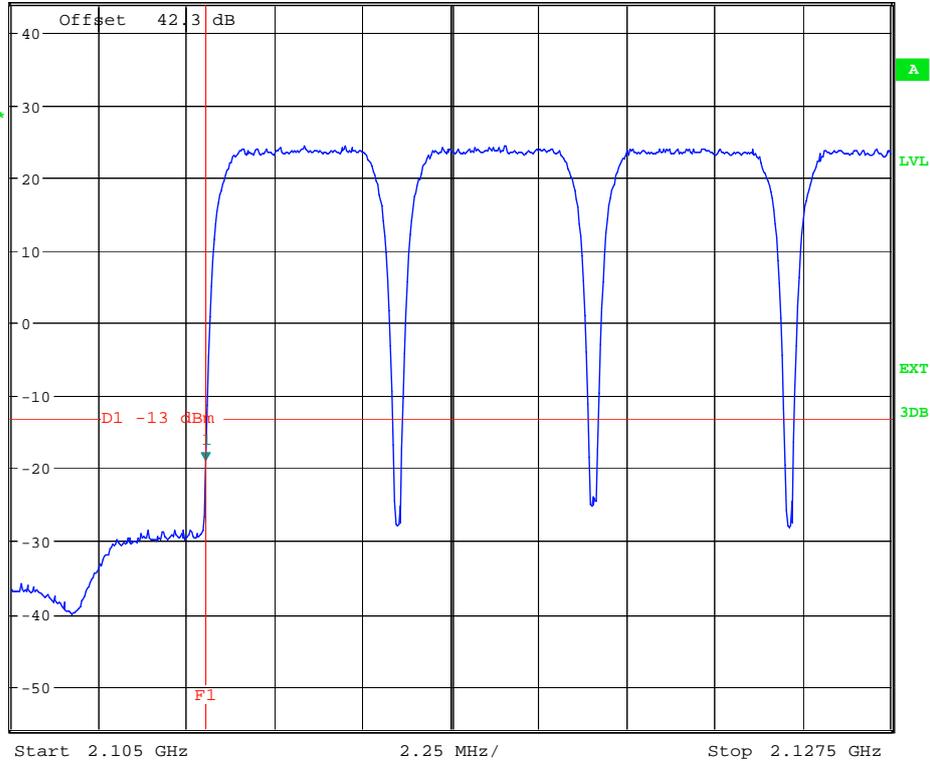
# Four Carriers

No.1537/1562/  
 1587/1612

2112.4MHz/21  
 17.4MHz/2122  
 .4MHz/2127.4  
 MHz



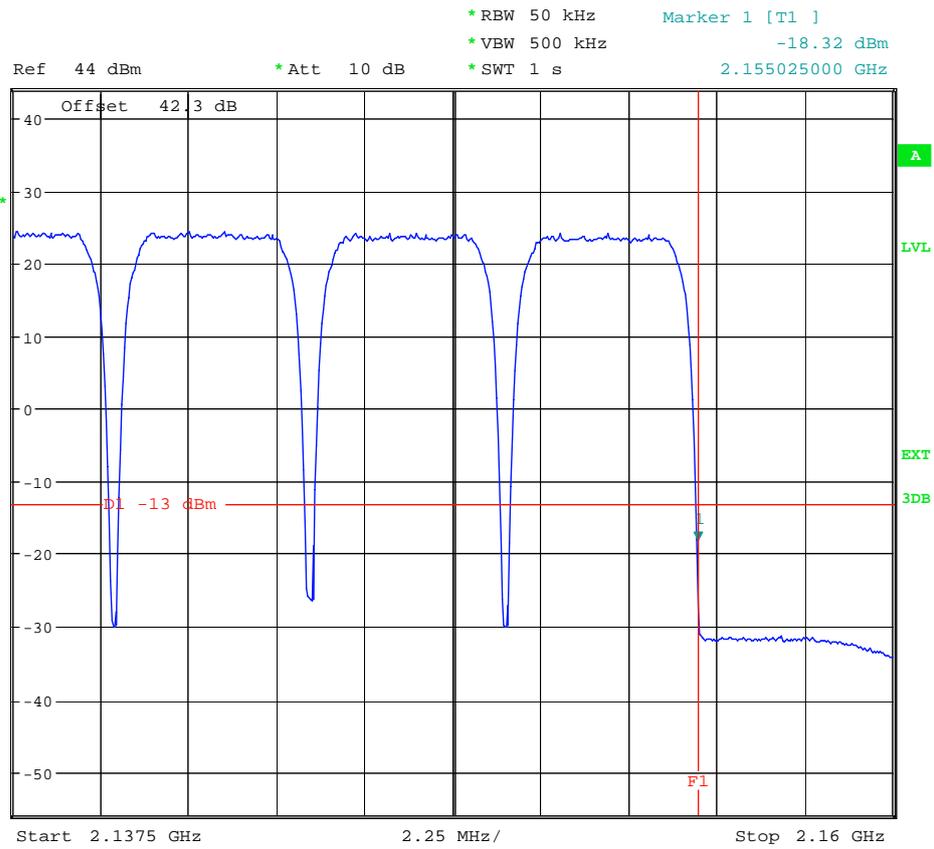
Ref 44 dBm \* Att 10 dB \* RBW 50 kHz \* VBW 500 kHz \* SWT 1 s  
 Marker 1 [T1 ] -19.22 dBm  
 2.109975000 GHz



Date: 29.JUN.2009 12:27:30



No:1663/1688/  
 1713/1738  
 2137.6MHz/21  
 42.6MHz/  
 2147.6MHz/21  
 52.6MHz



Date: 29.JUN.2009 12:43:33

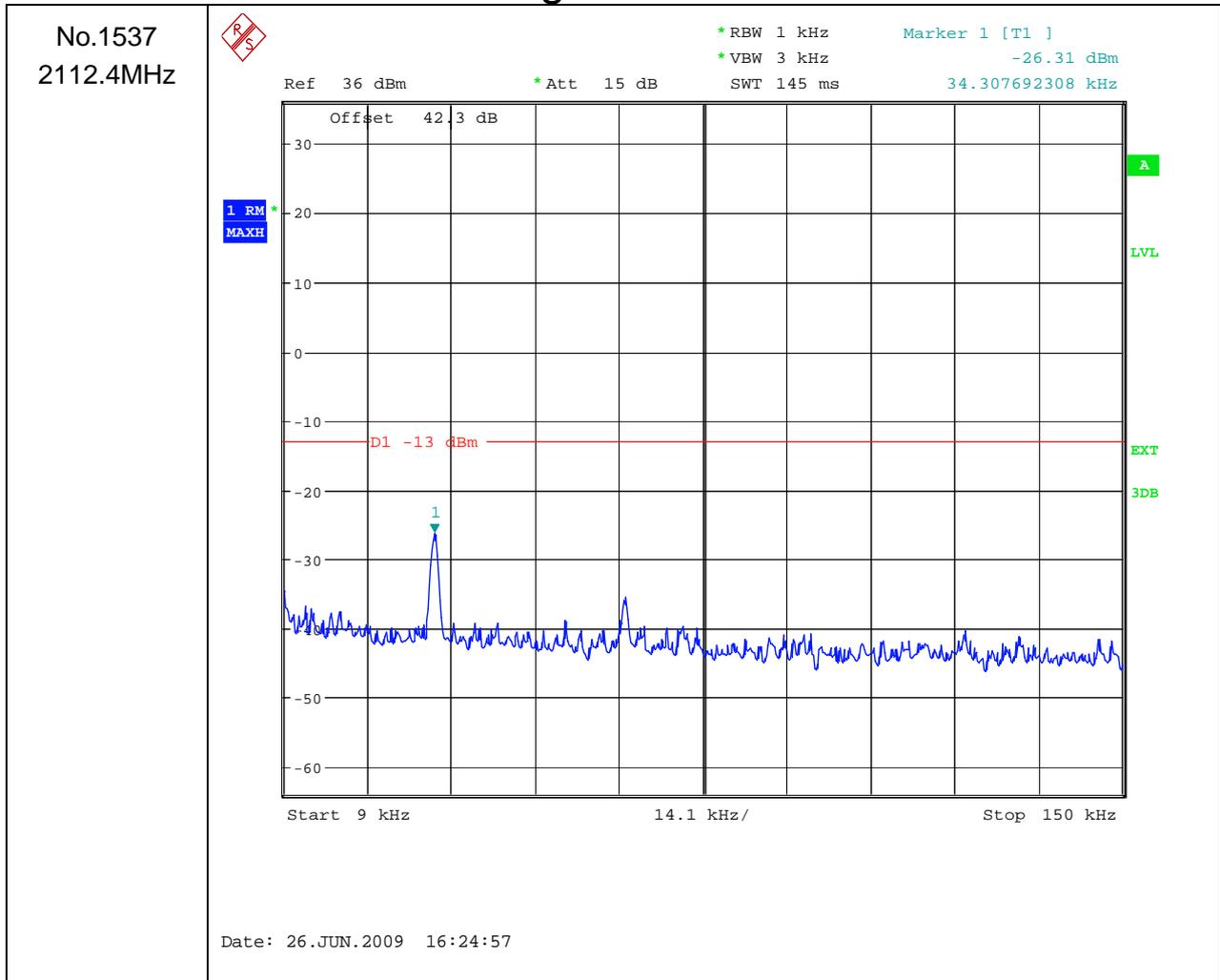


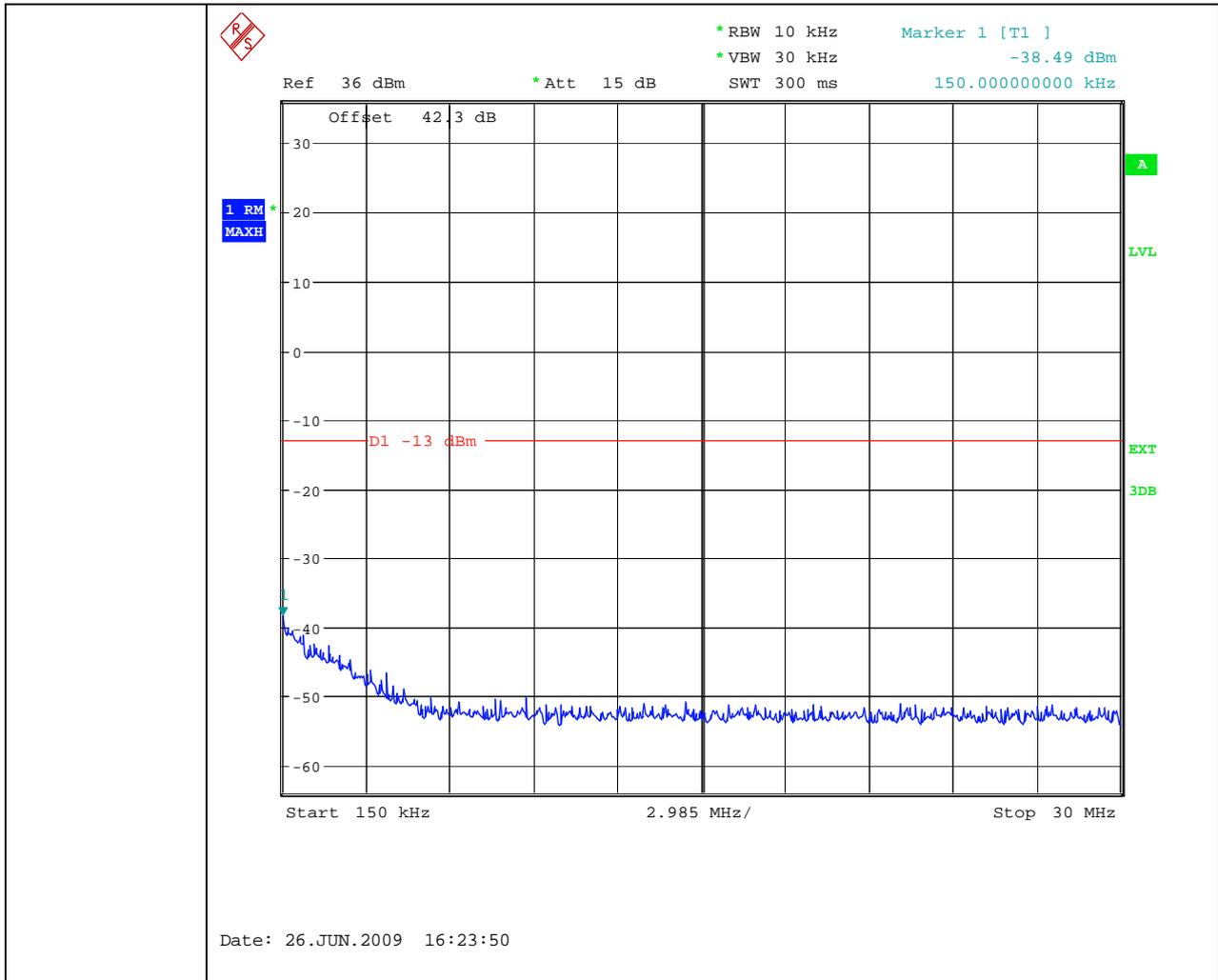
## **5 APPENDIX E- SPURIOUS EMISSION AT ANTENNA TERMINAL MEASUREMENT**



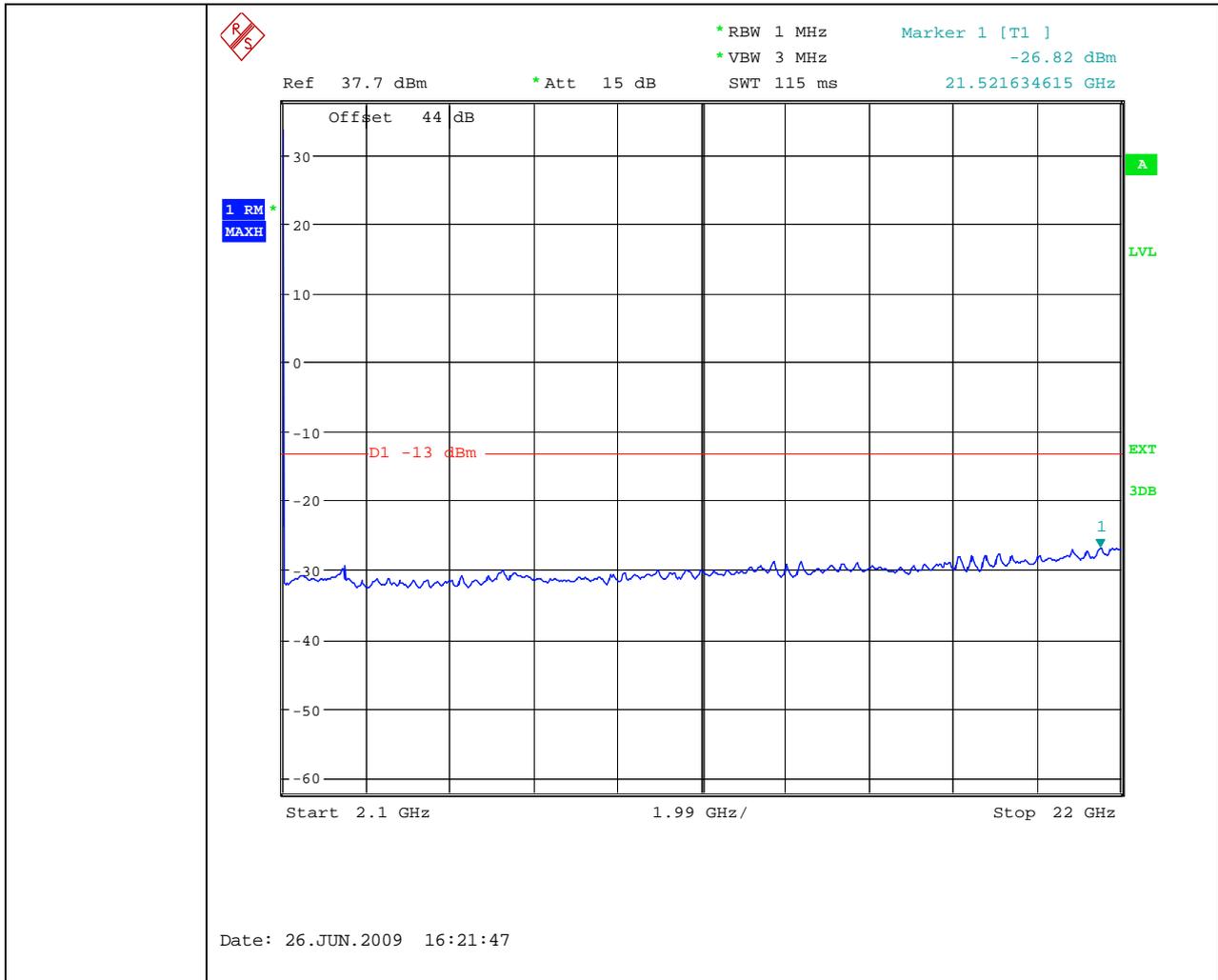
TM1:

### Single Carrier







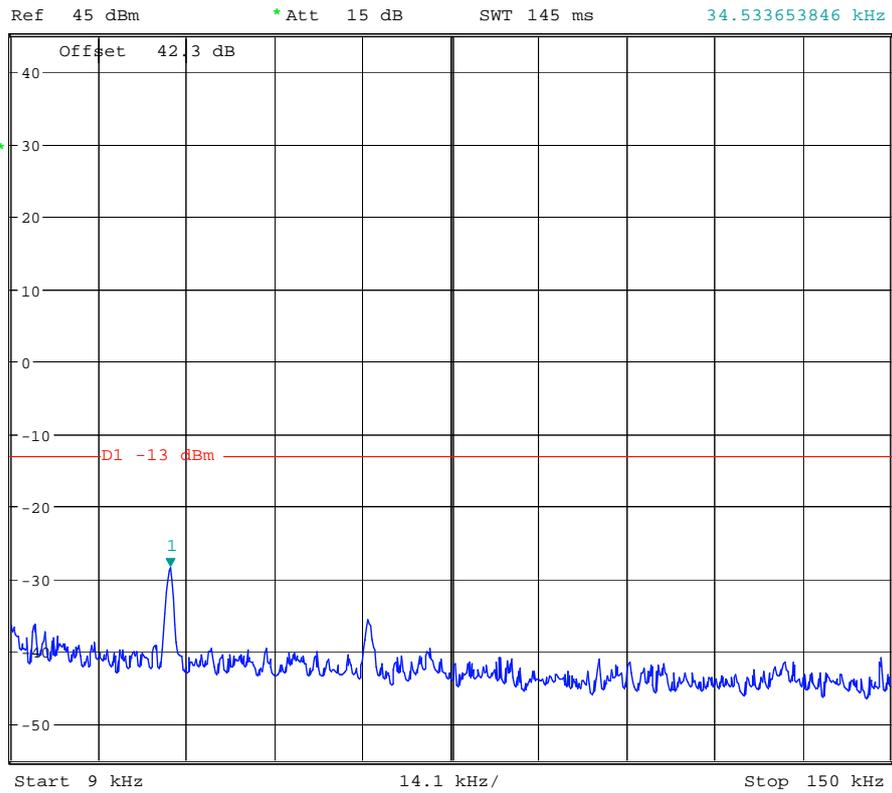




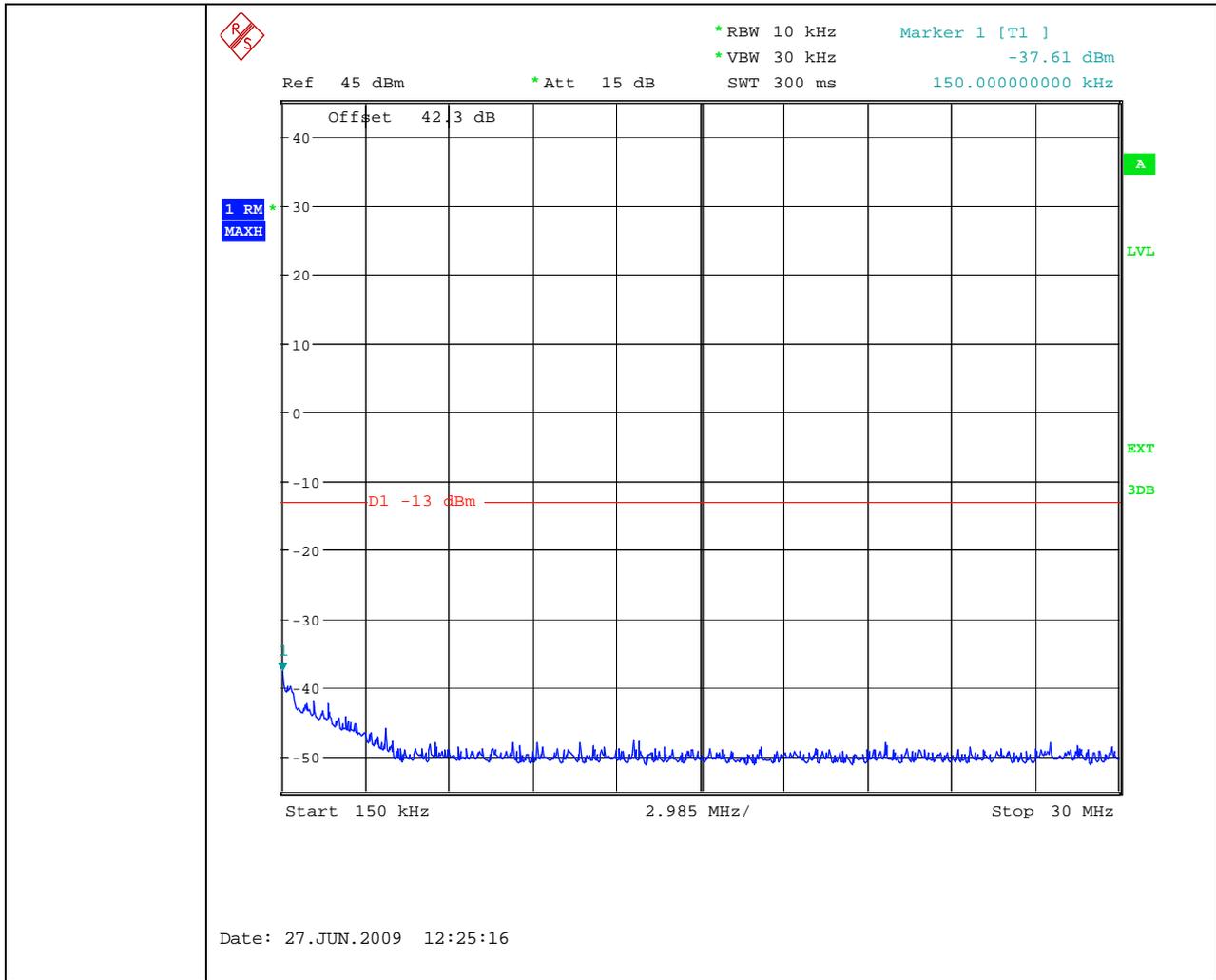
No.1640  
2133MHz

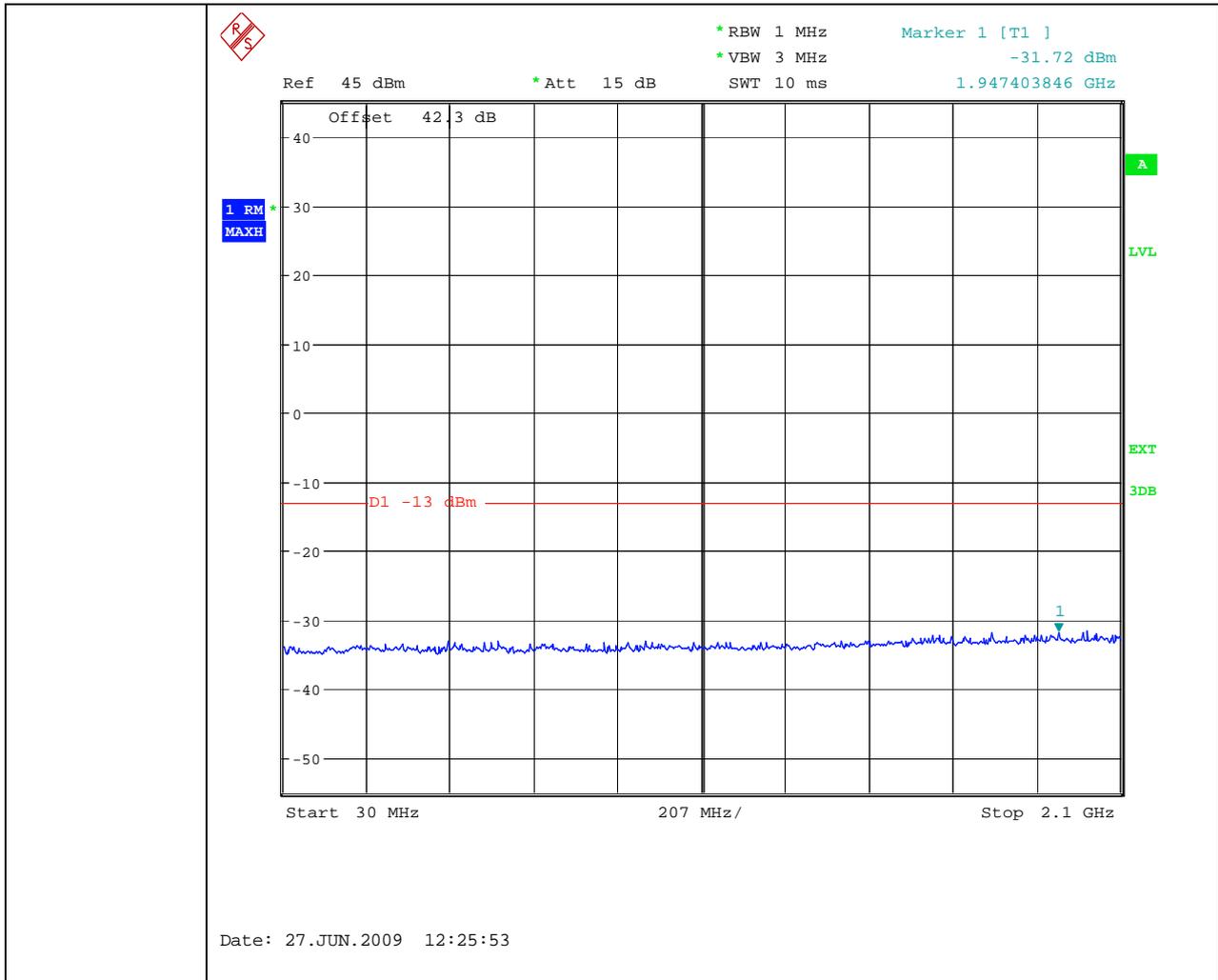


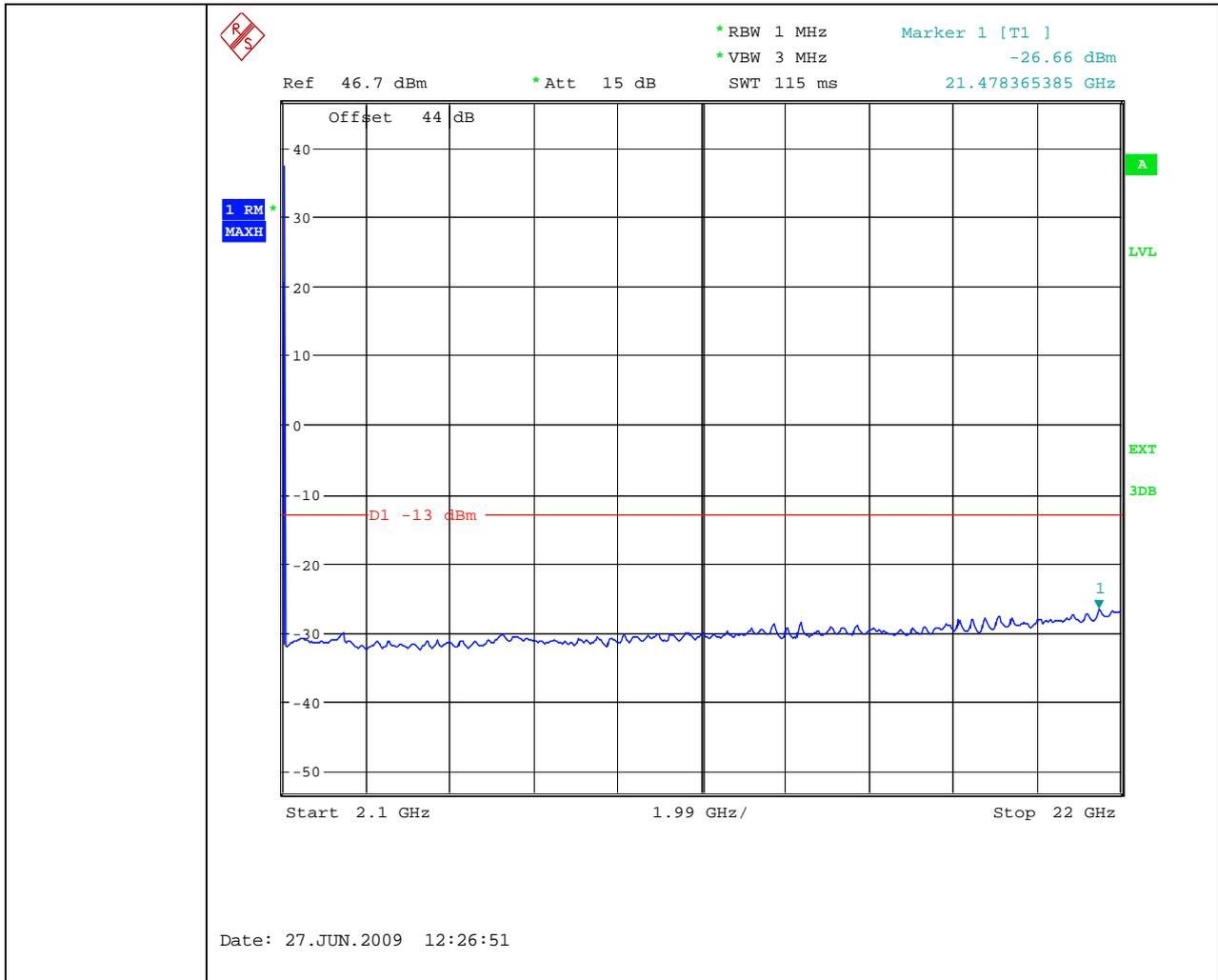
\*RBW 1 kHz  
\*VBW 3 kHz  
SWT 145 ms  
Marker 1 [T1 ]  
-28.41 dBm  
34.533653846 kHz



Date: 27.JUN.2009 12:24:38





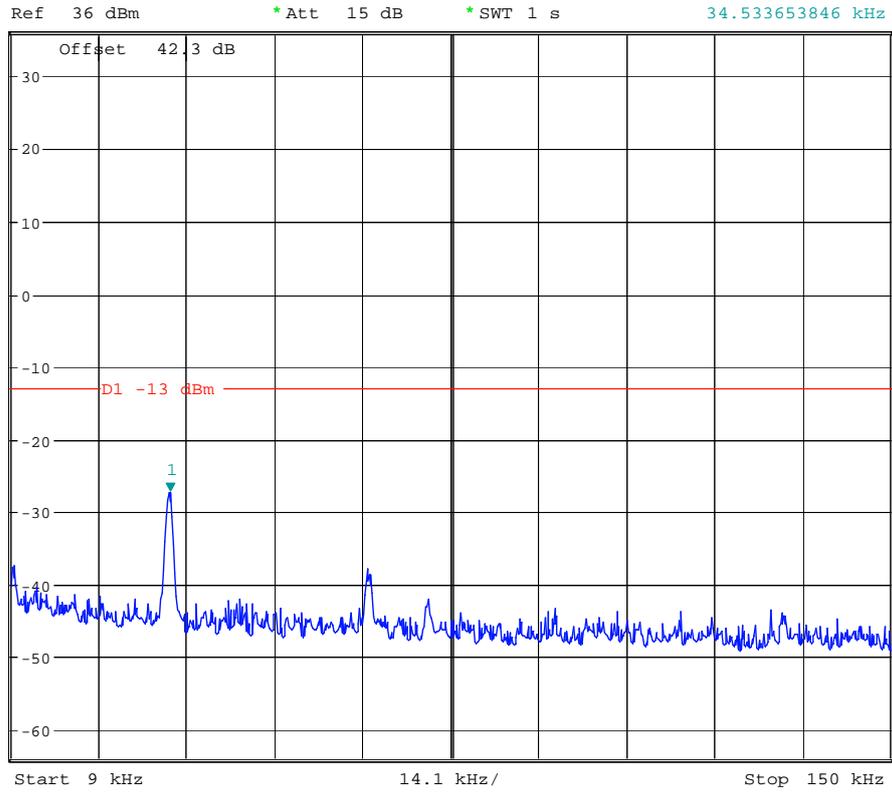




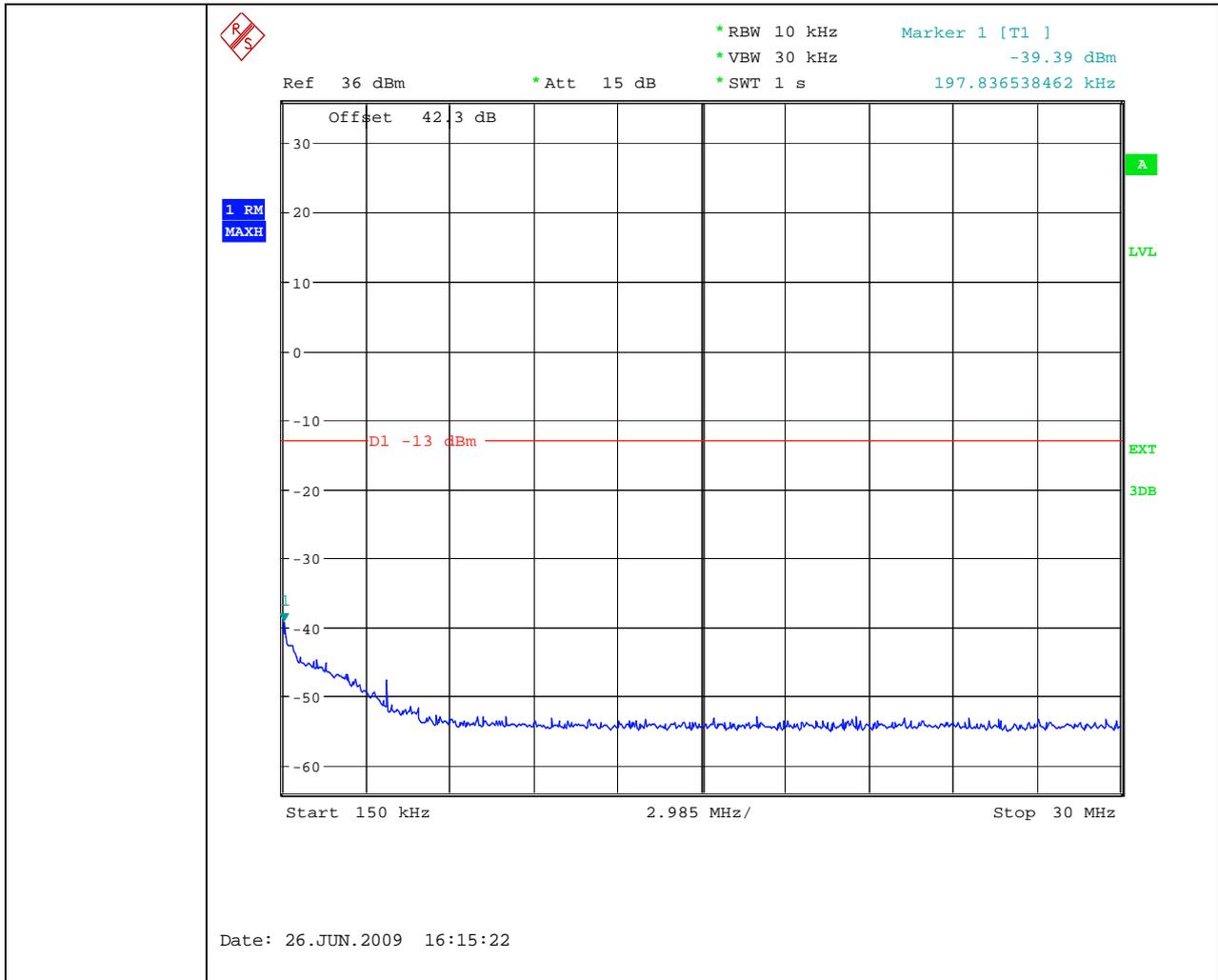
No:1738  
2152.6MHz

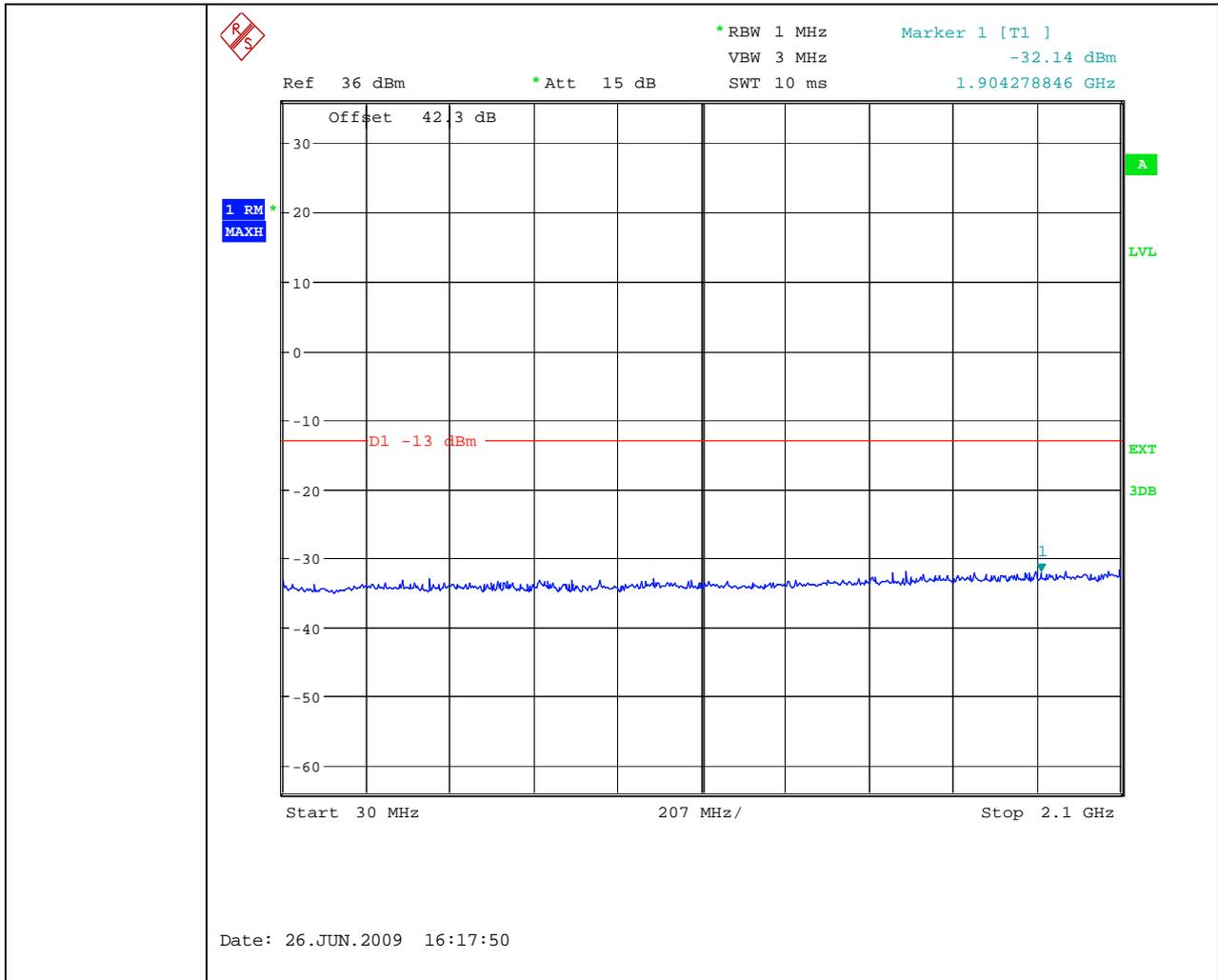


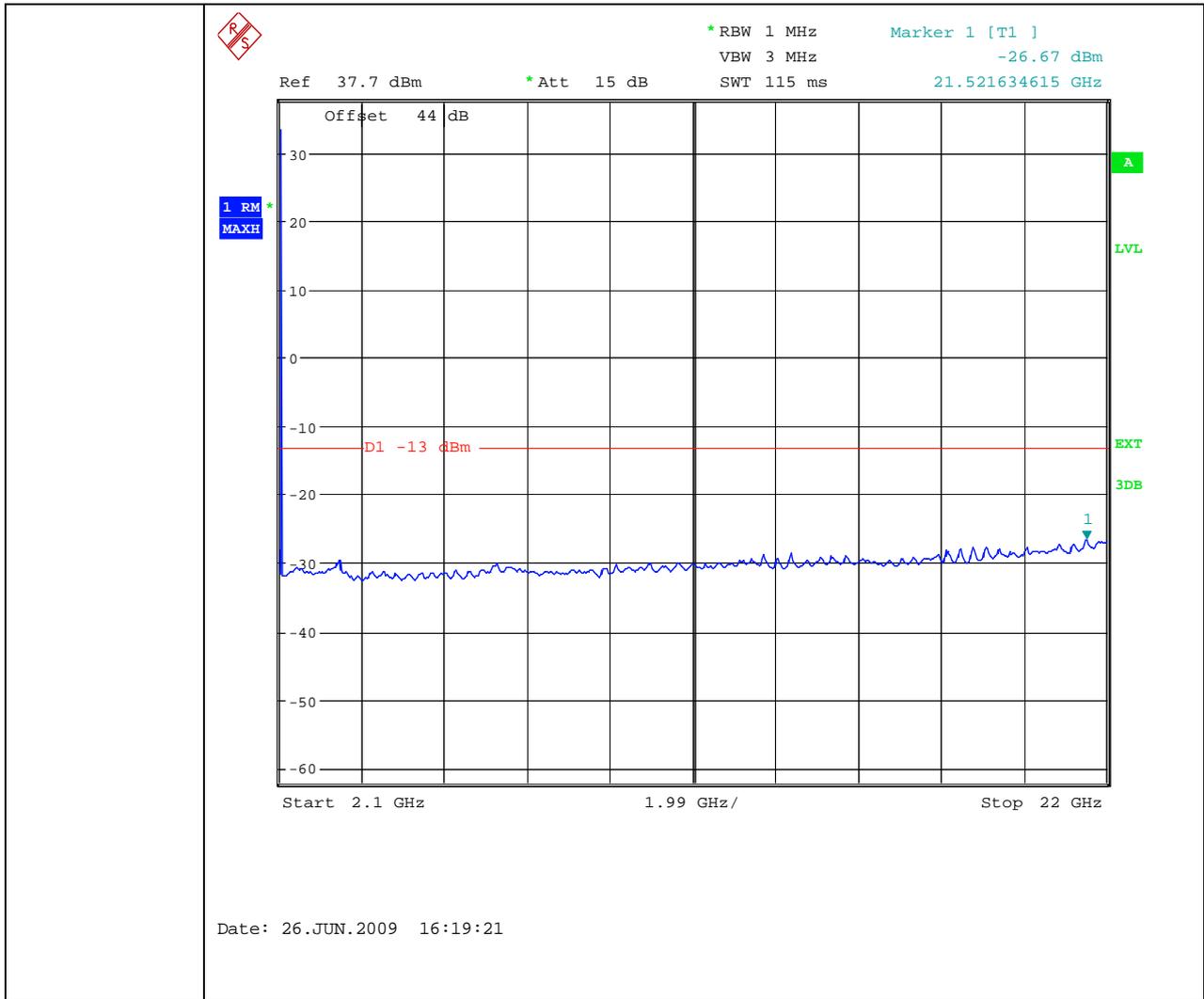
\*RBW 1 kHz  
\*VBW 3 kHz  
\*SWT 1 s  
Marker 1 [T1 ]  
-27.31 dBm  
34.533653846 kHz



Date: 26.JUN.2009 16:11:34







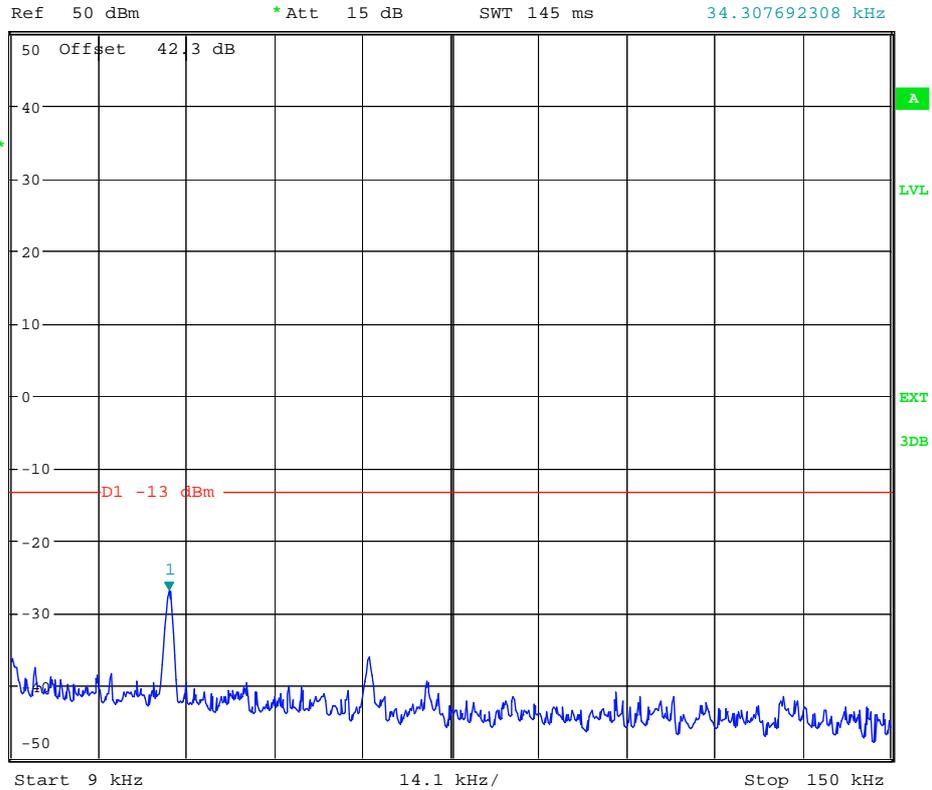


# Two Carriers

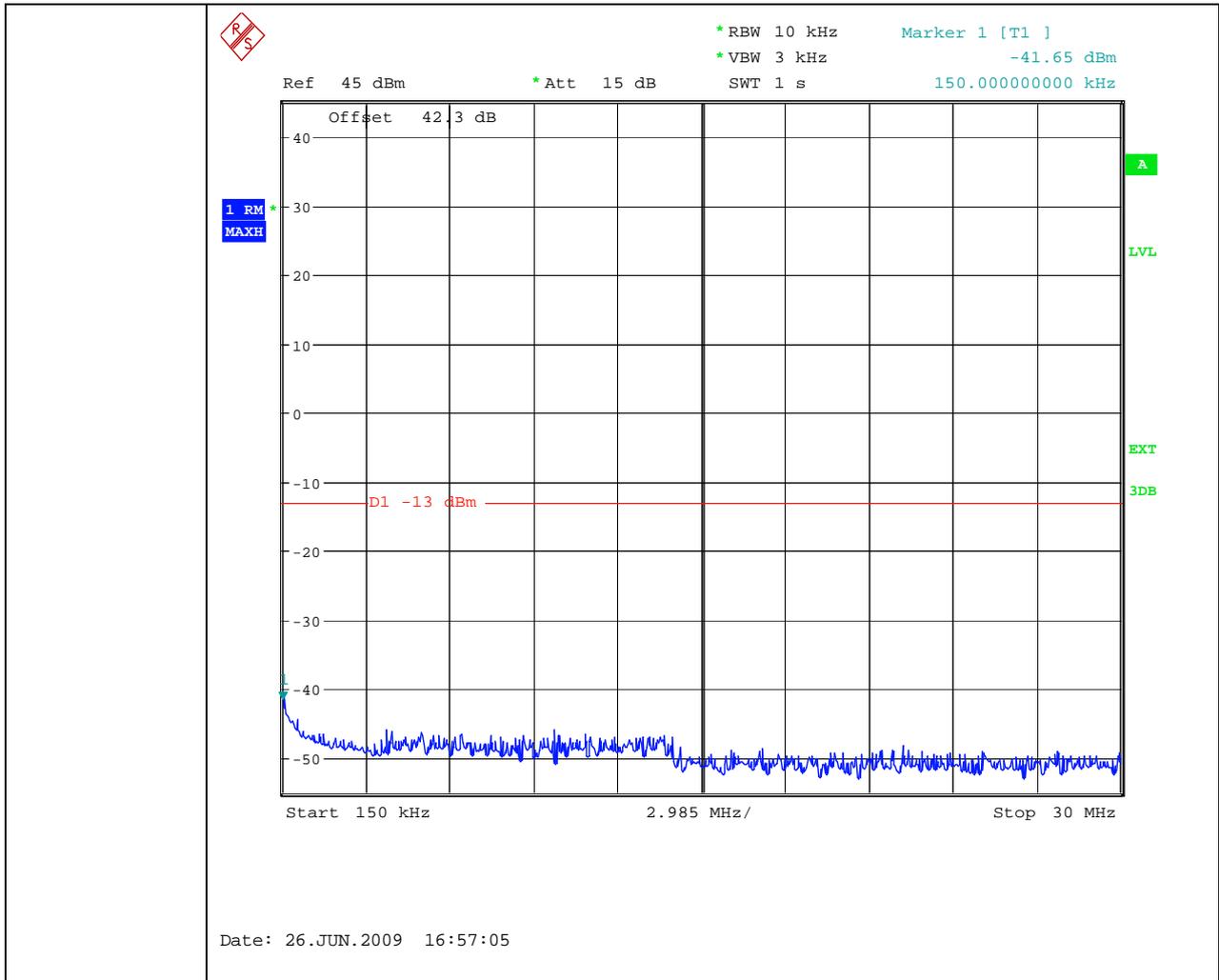
No.1537/1562  
2112.4MHz/21  
17.4MHz

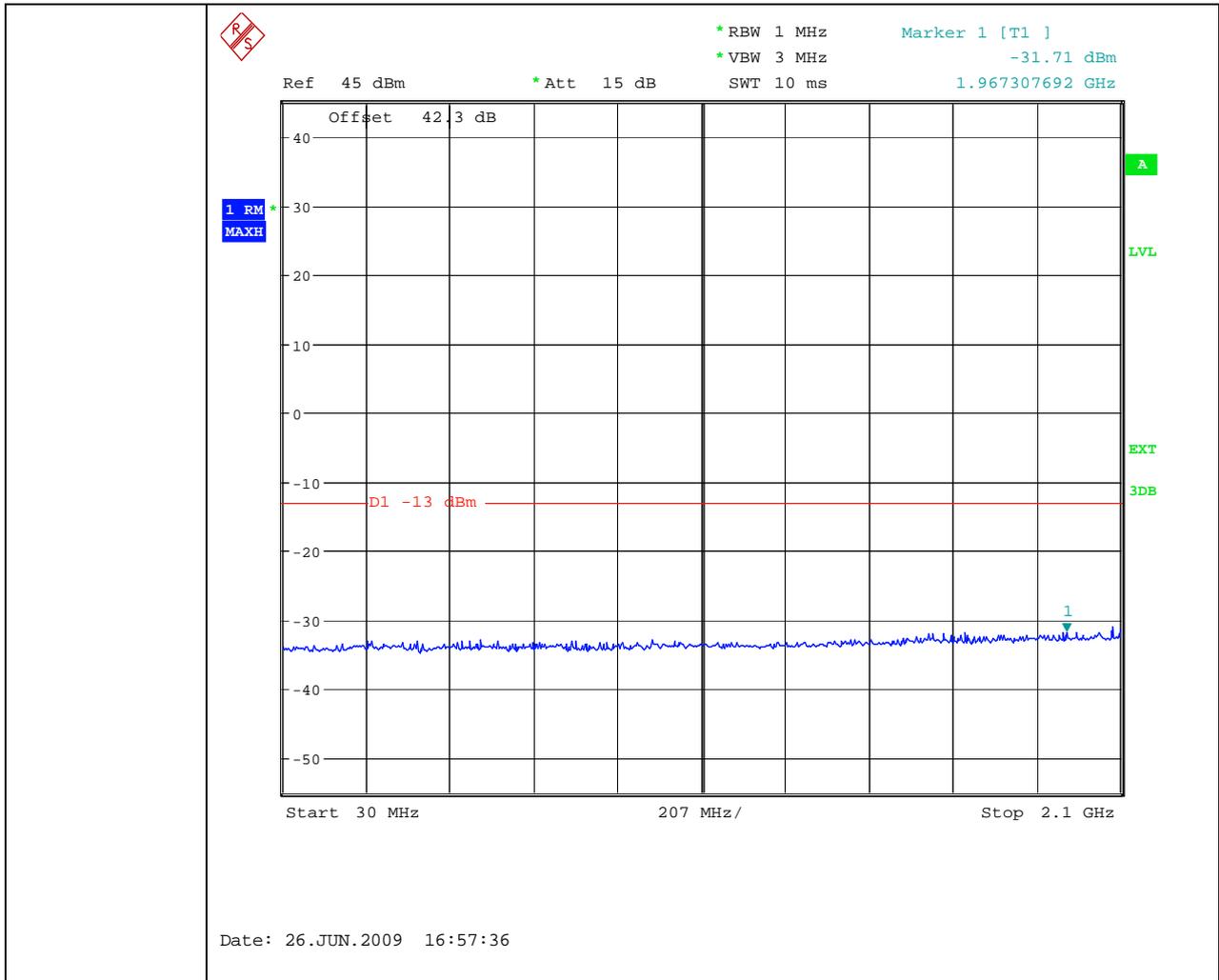


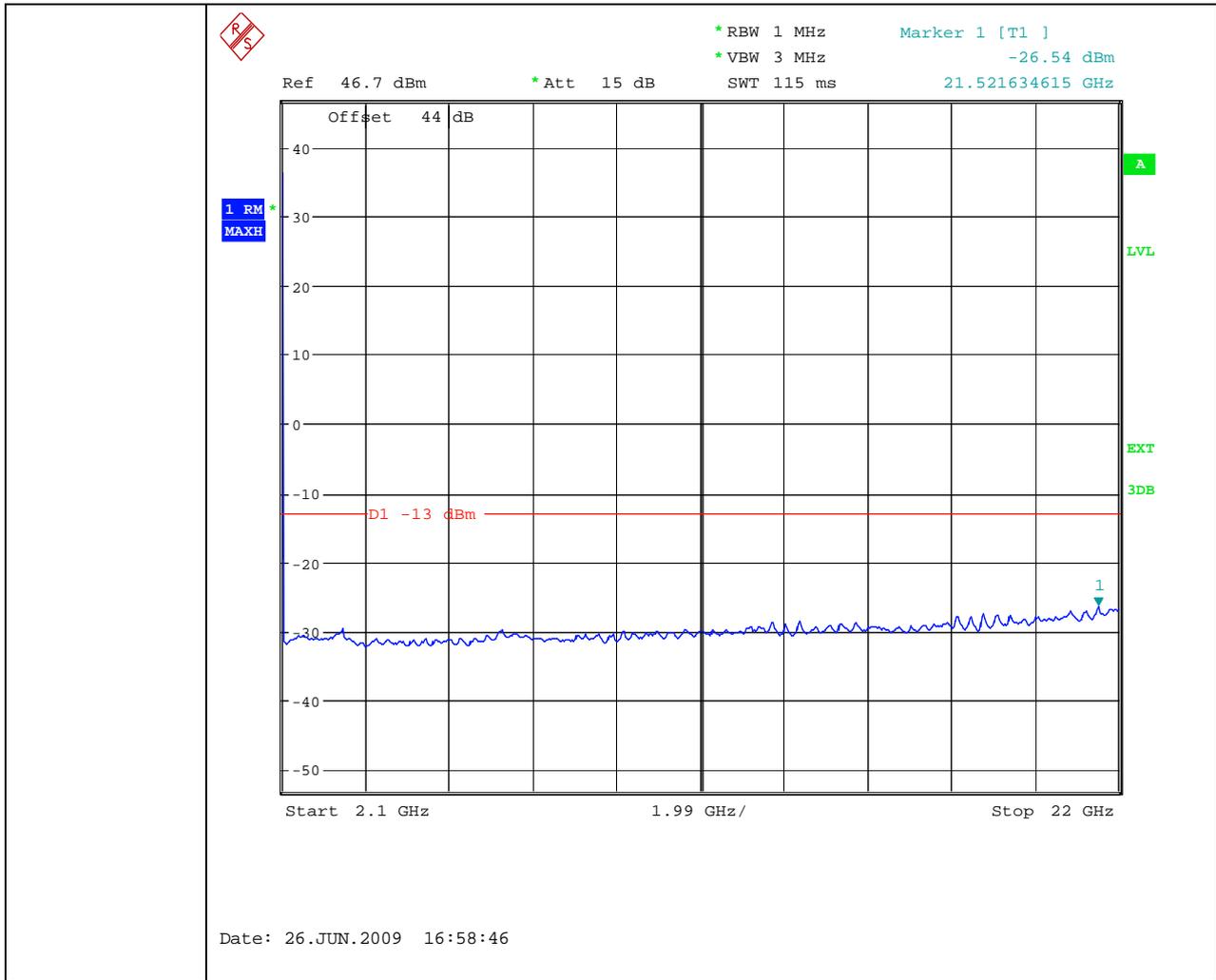
\*RBW 1 kHz  
\*VBW 3 kHz  
SWT 145 ms  
Marker 1 [T1 ]  
-26.90 dBm  
34.307692308 kHz



Date: 26.JUN.2009 16:56:01





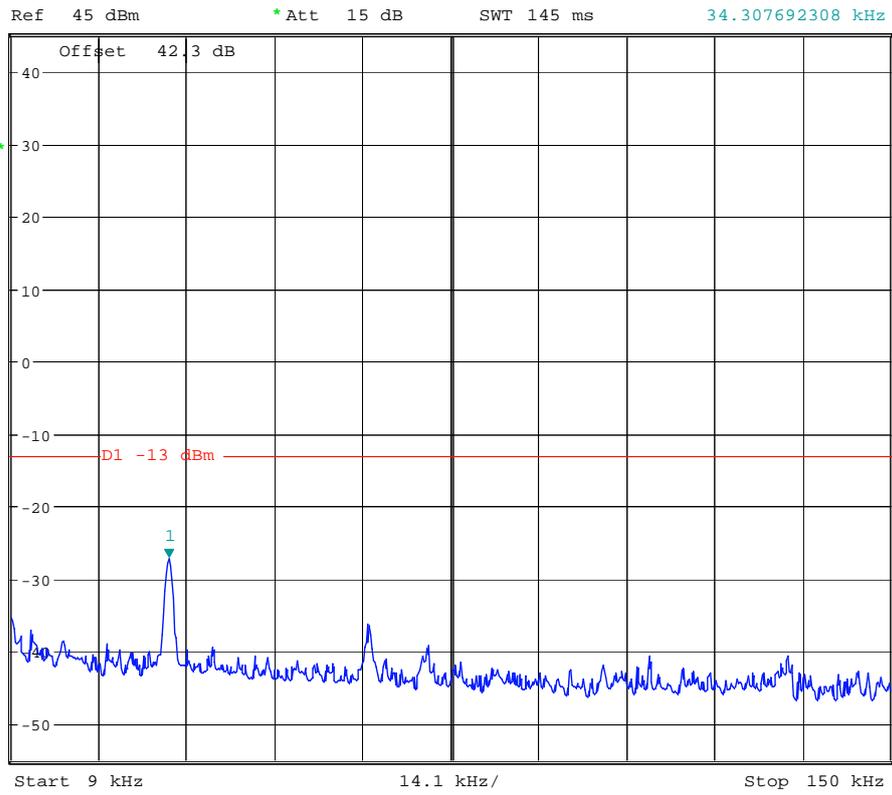




No.1640/1665  
 2133MHz/213  
 8MHz

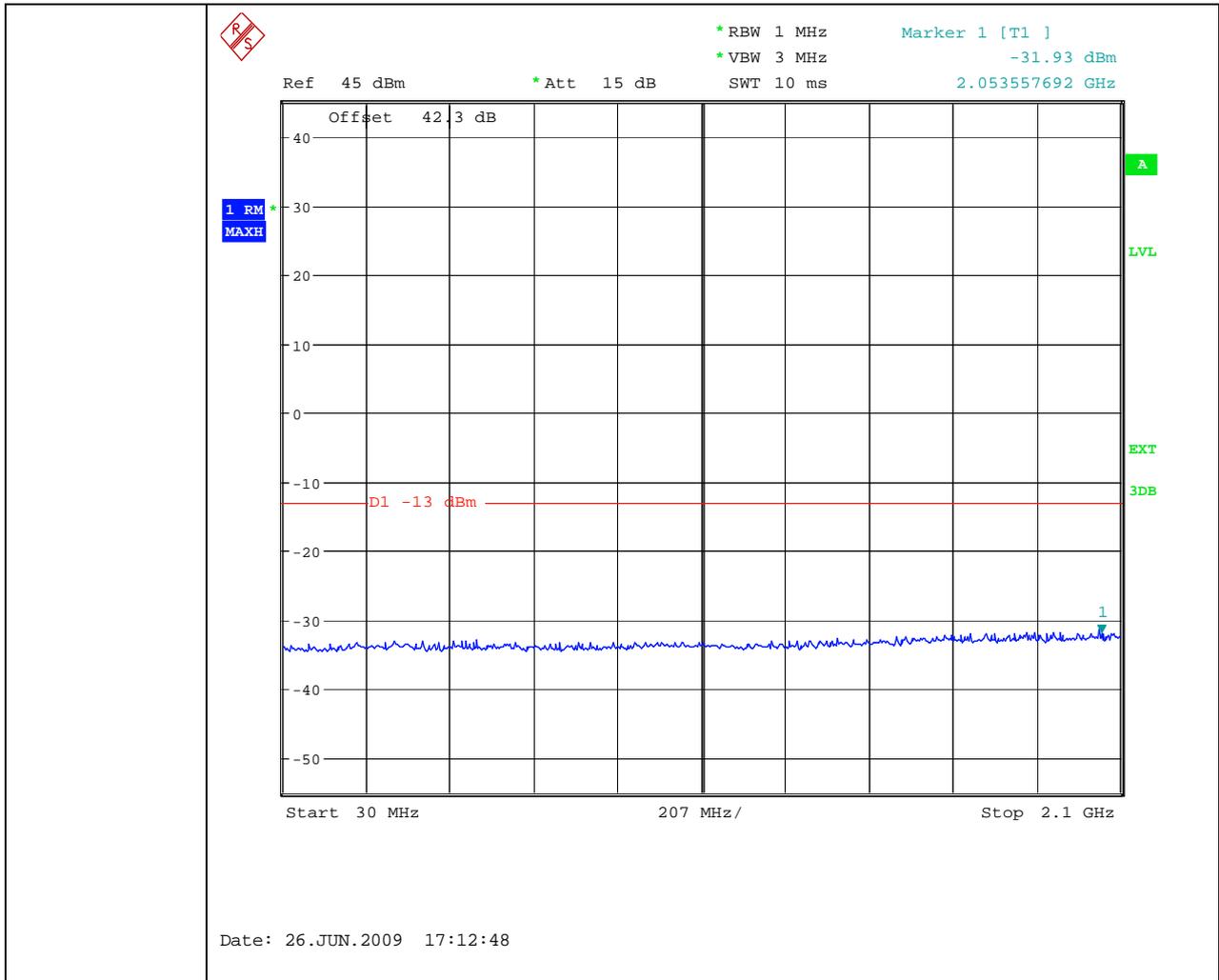


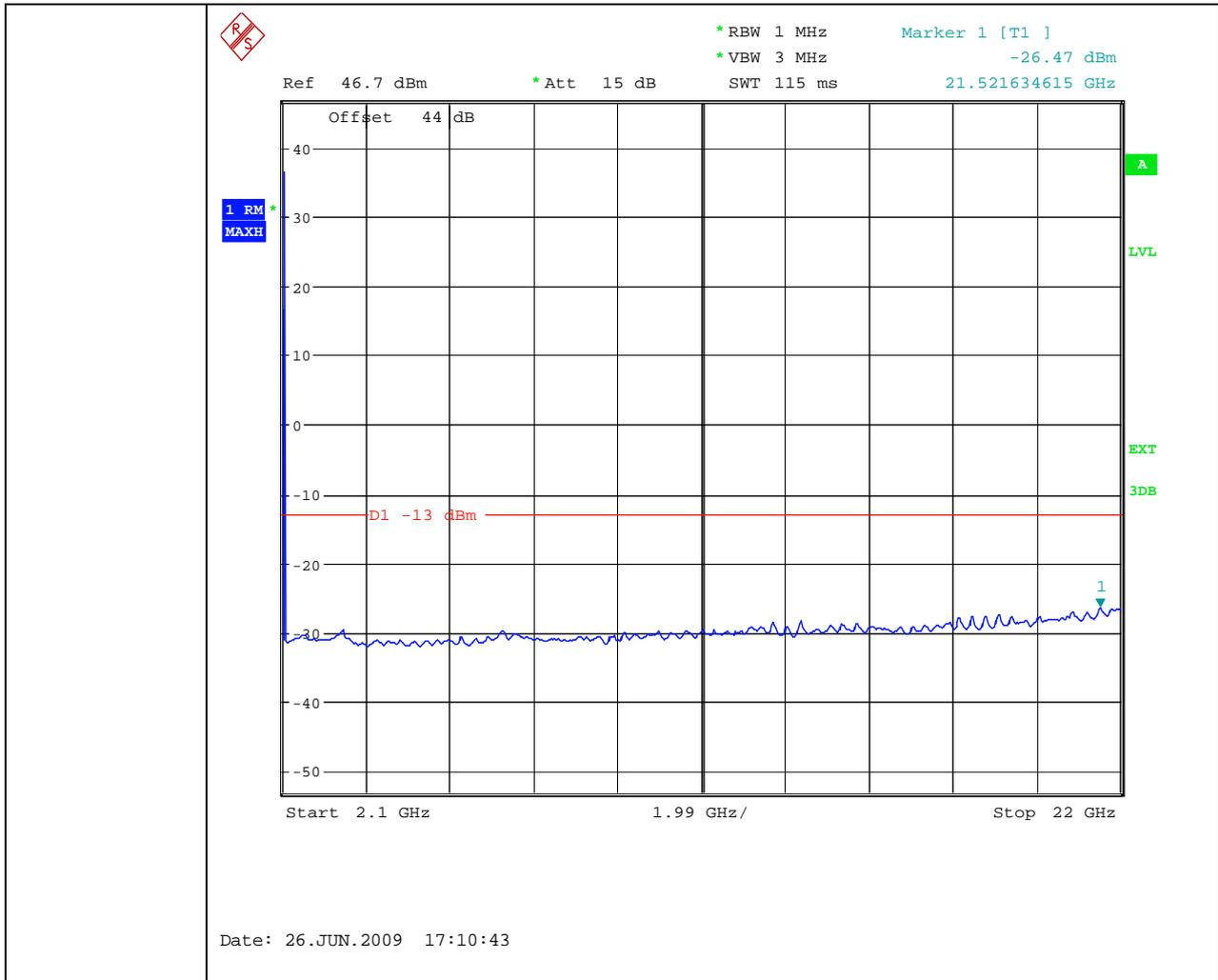
\*RBW 1 kHz  
 \*VBW 3 kHz  
 SWT 145 ms  
 Marker 1 [T1 ]  
 -27.13 dBm  
 34.307692308 kHz



Date: 26.JUN.2009 17:11:38





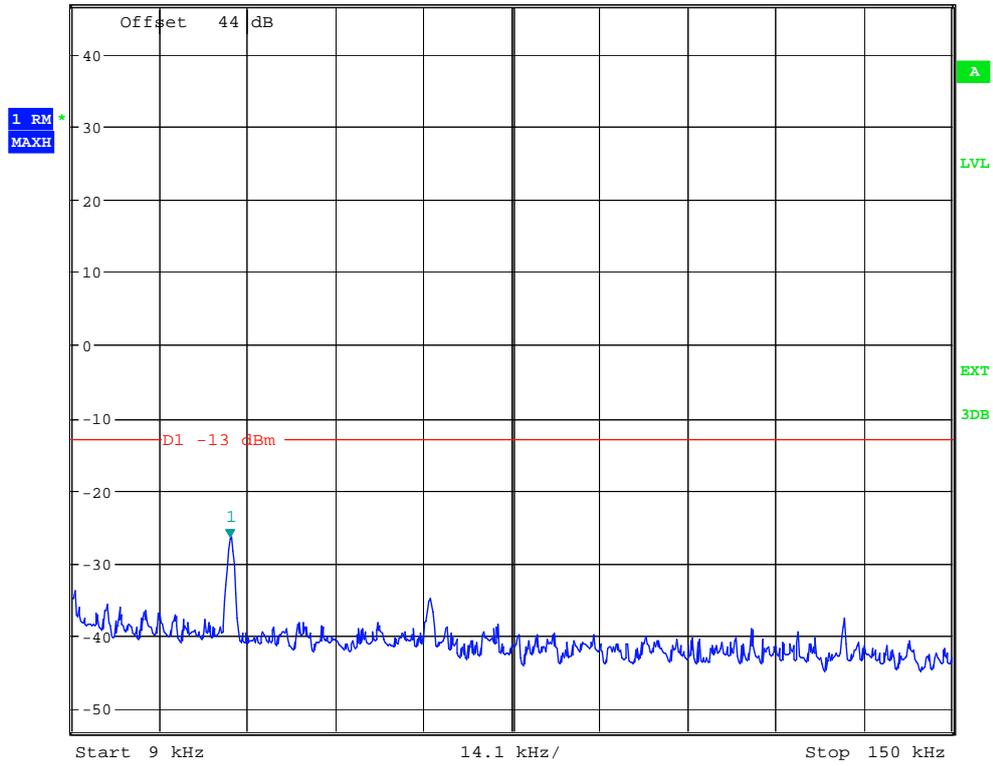




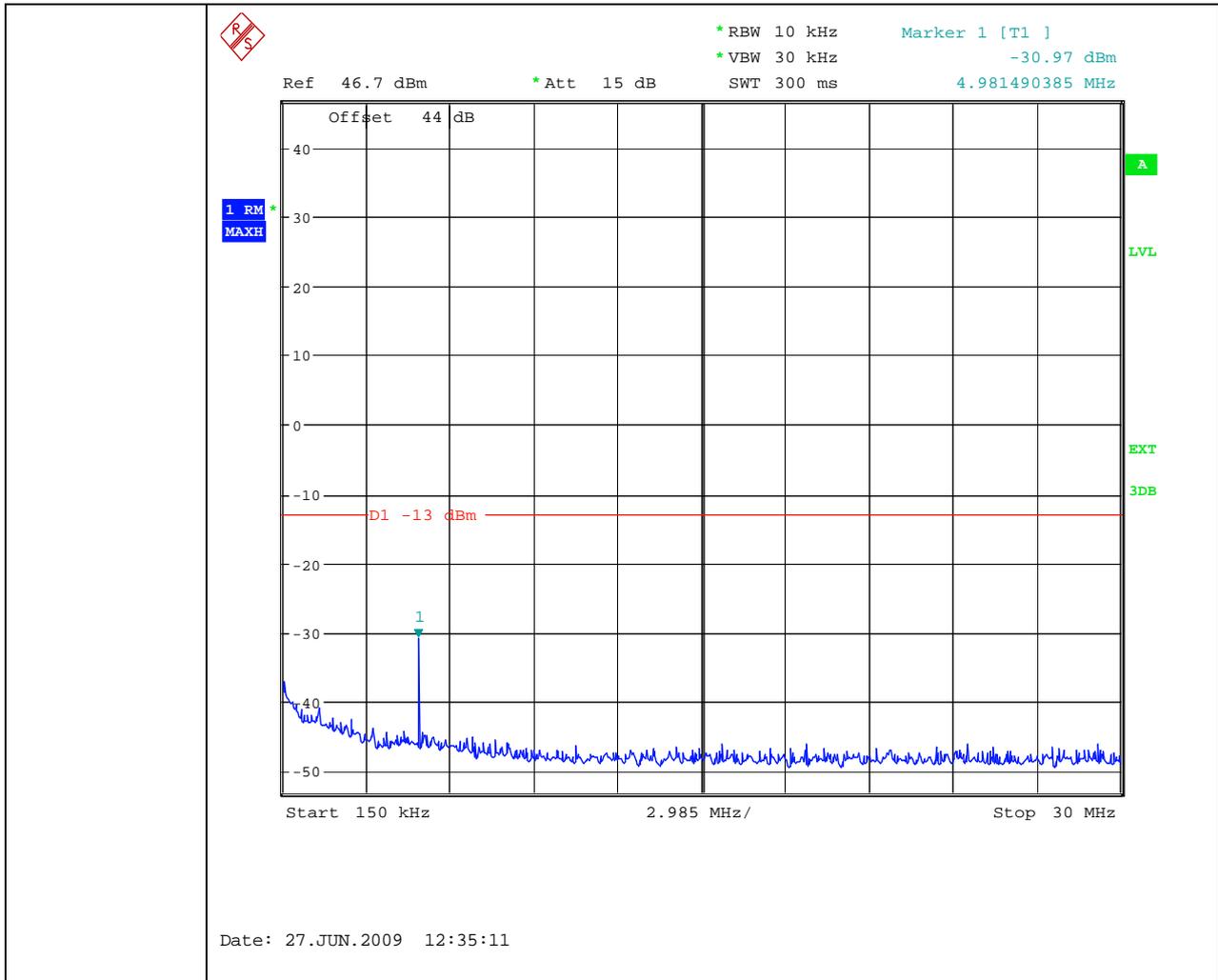
No:1713/1738  
 2147.6MHz/21  
 52.6MHz

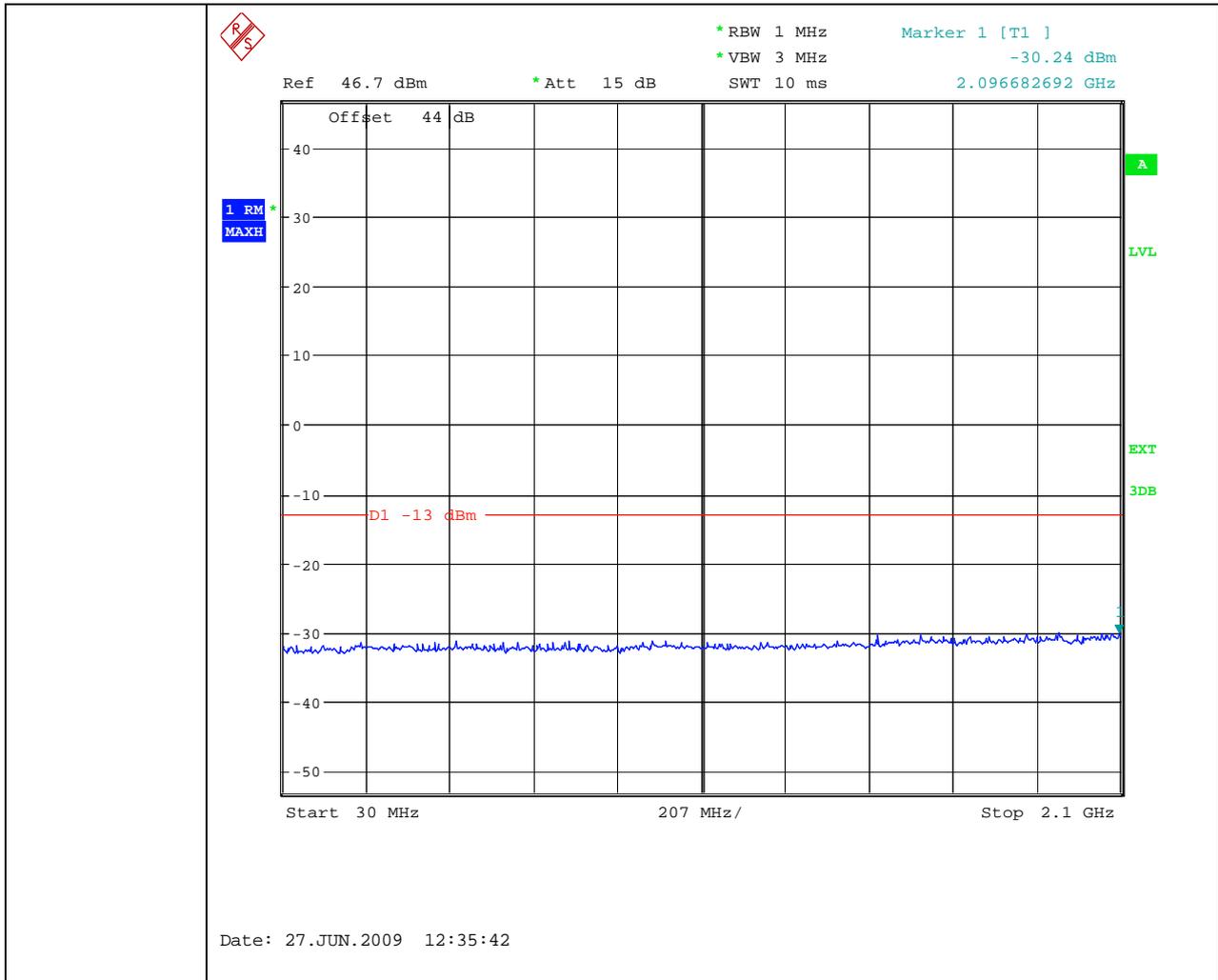


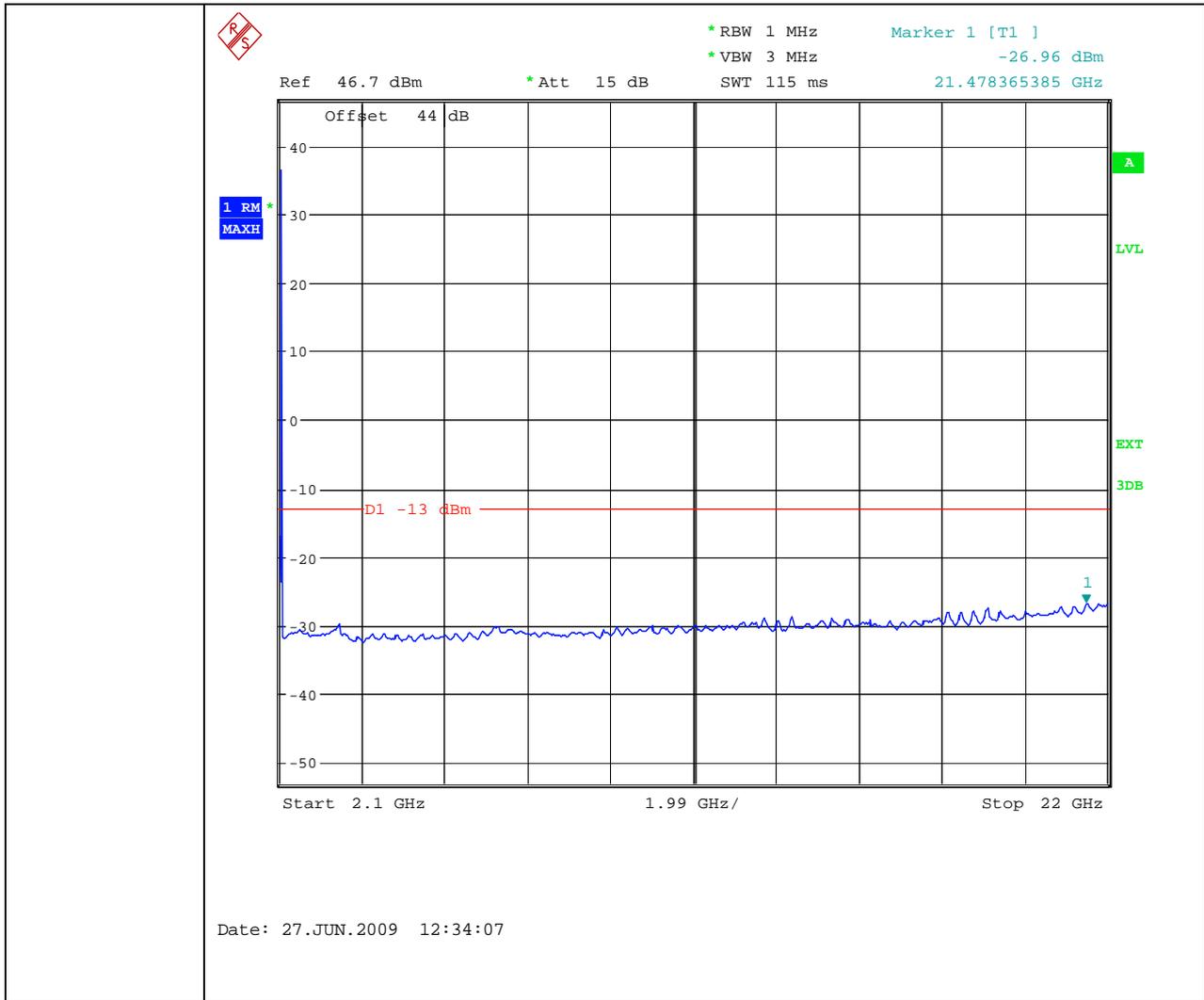
\*RBW 1 kHz      Marker 1 [T1 ]  
 \*VBW 3 kHz      -26.65 dBm  
 Ref 46.7 dBm      \*Att 15 dB      SWT 145 ms      34.307692308 kHz



Date: 27.JUN.2009 12:34:40









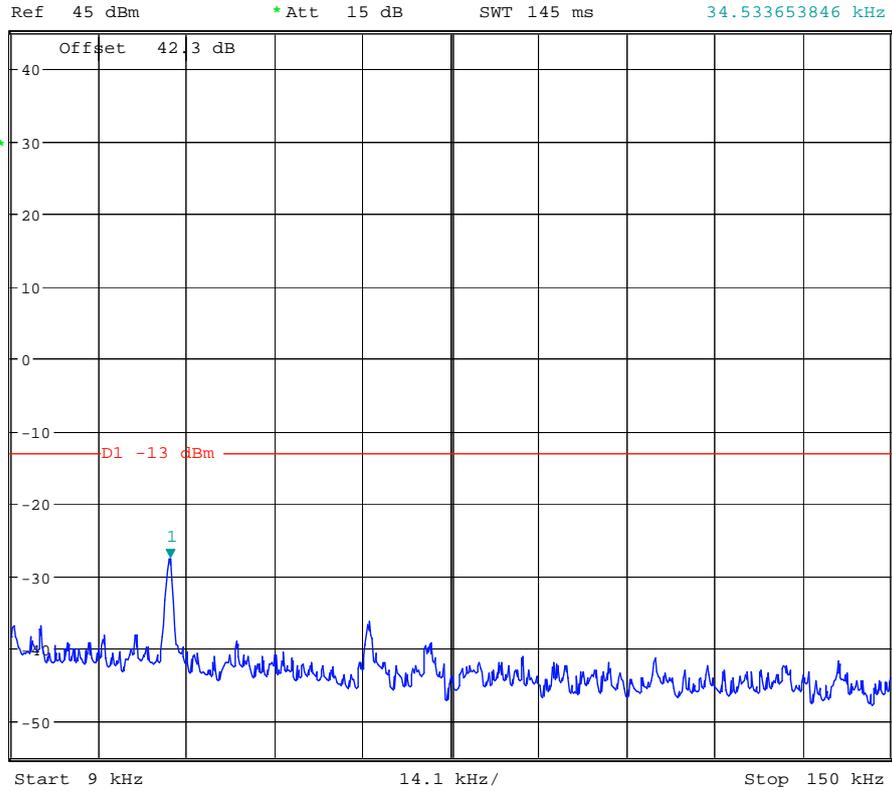
# Three Carriers

No.1537/1562/  
1587

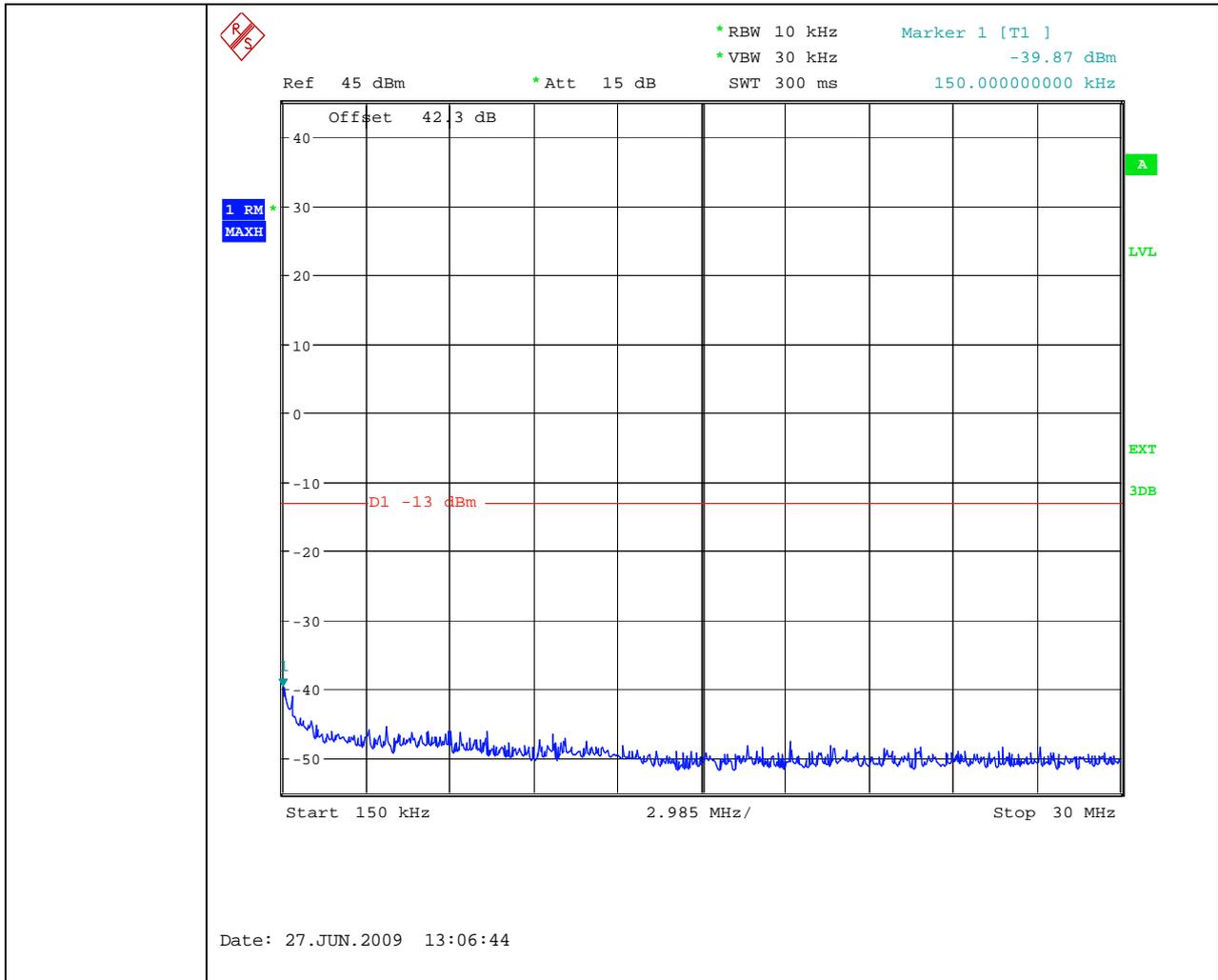
2112.4MHz/21  
17.4MHz/2122  
.4MHz

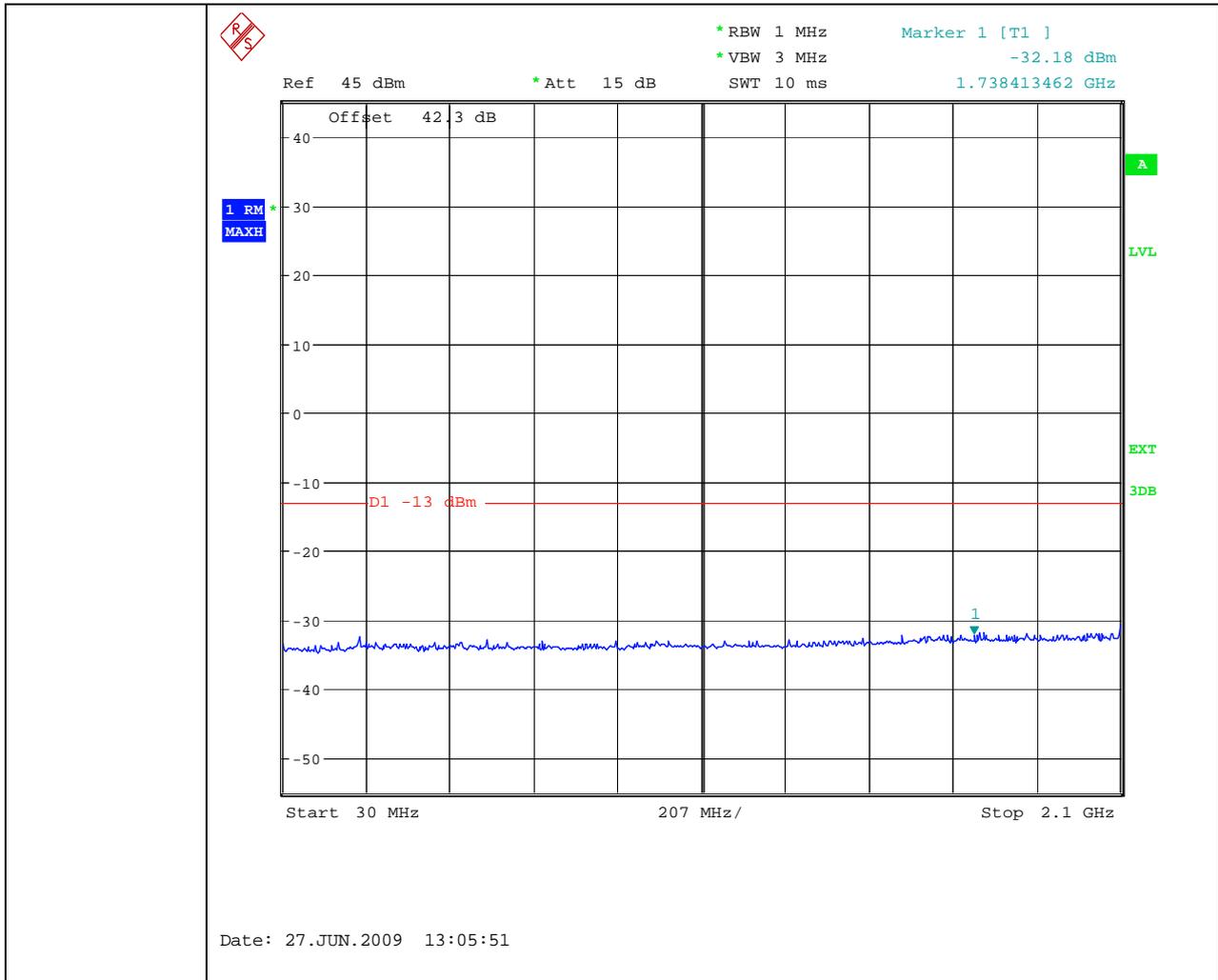


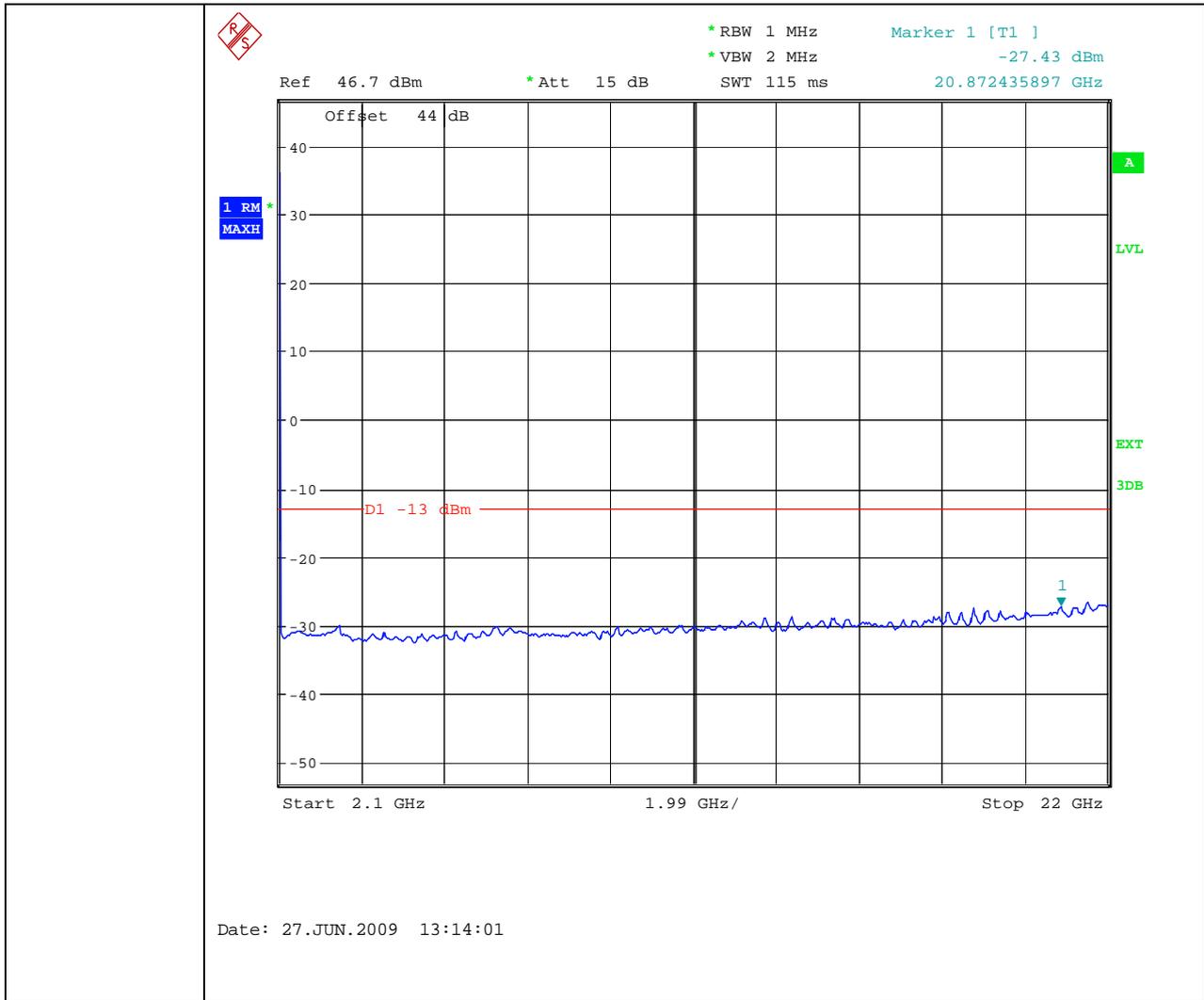
\*RBW 1 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      -27.60 dBm  
SWT 145 ms      34.533653846 kHz



Date: 27.JUN.2009 13:06:20









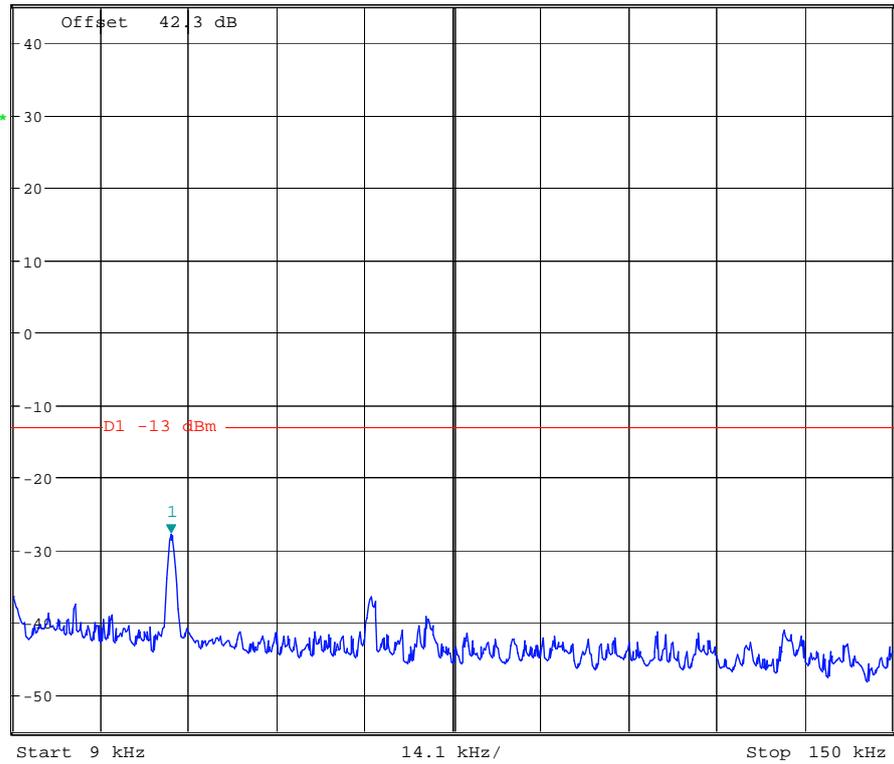
No.1615/1640/  
 1665

2128MHz/213  
 3MHz/2138M  
 Hz

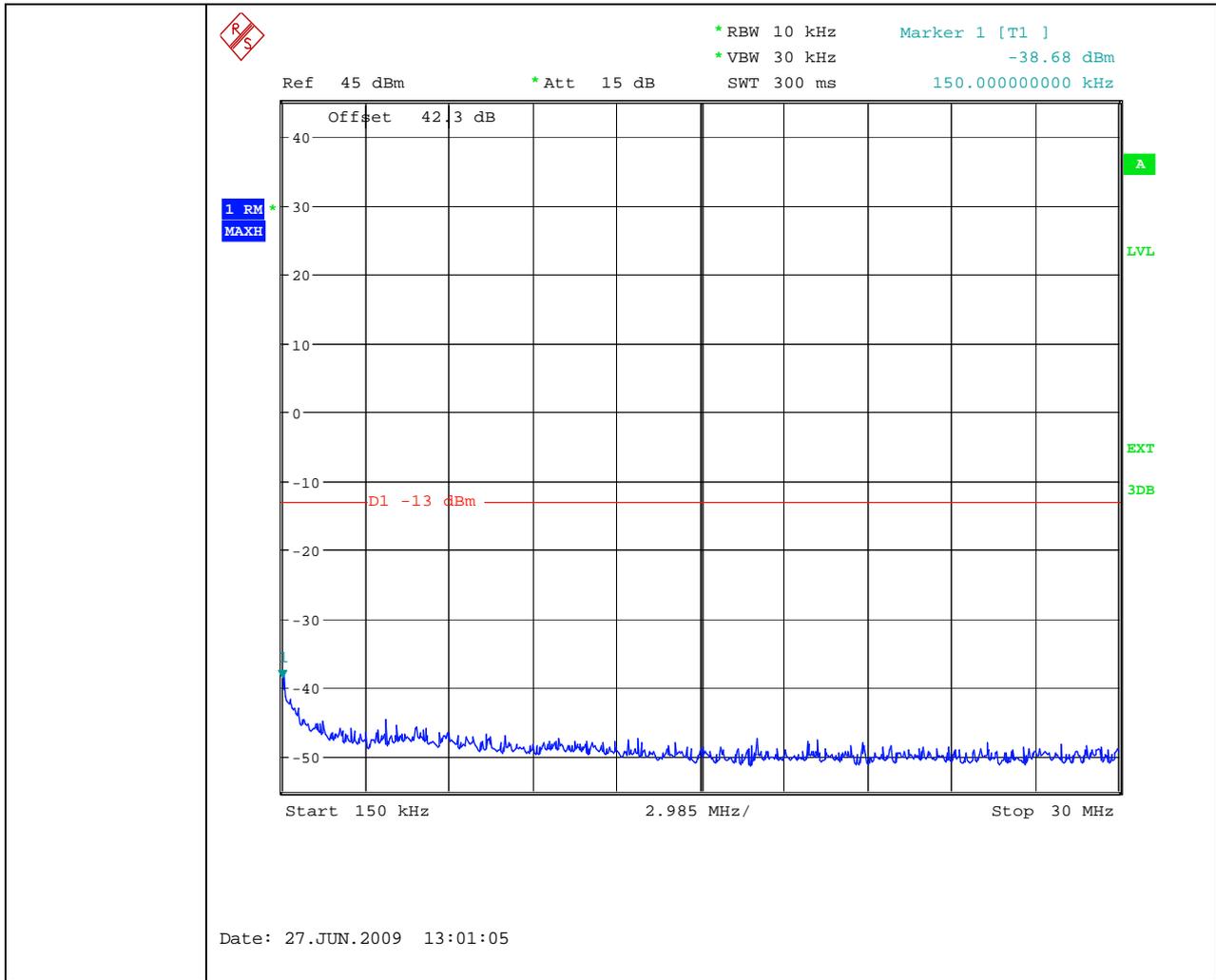


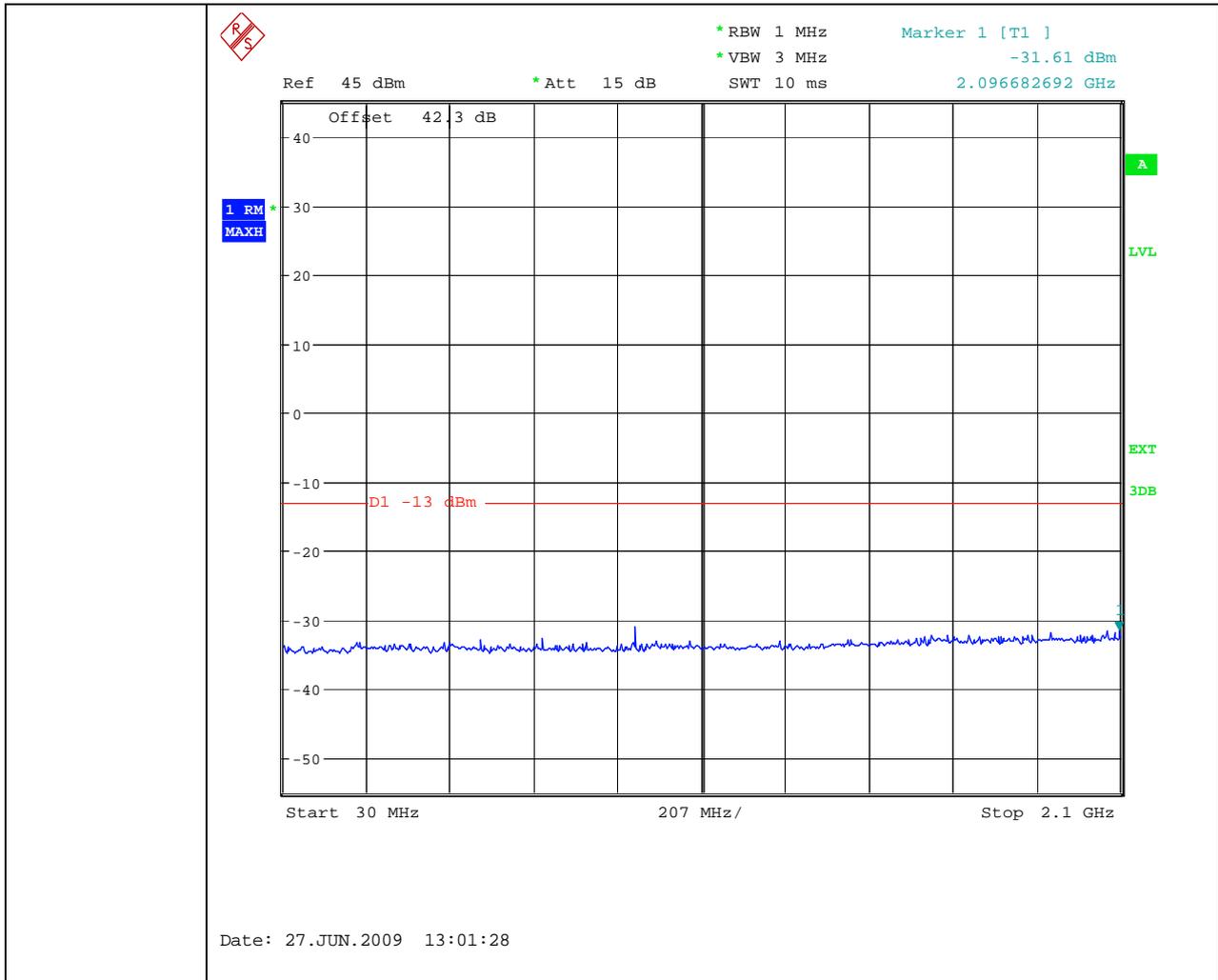
\*RBW 1 kHz      Marker 1 [T1 ]  
 \*VBW 3 kHz      -27.76 dBm  
 Ref 45 dBm      \*Att 15 dB      SWT 145 ms      34.307692308 kHz

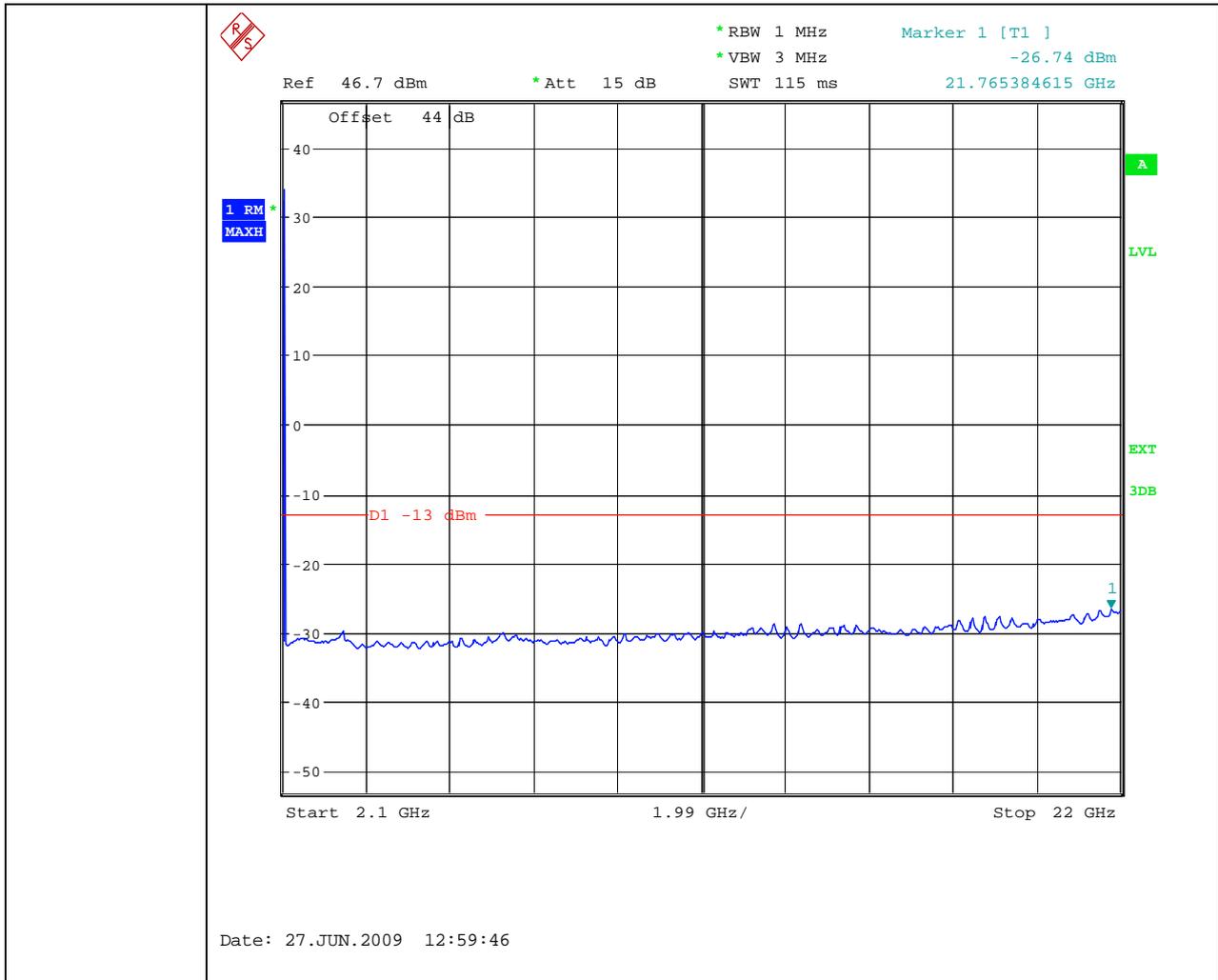
1 RM  
 MAXH



Date: 27.JUN.2009 13:00:29





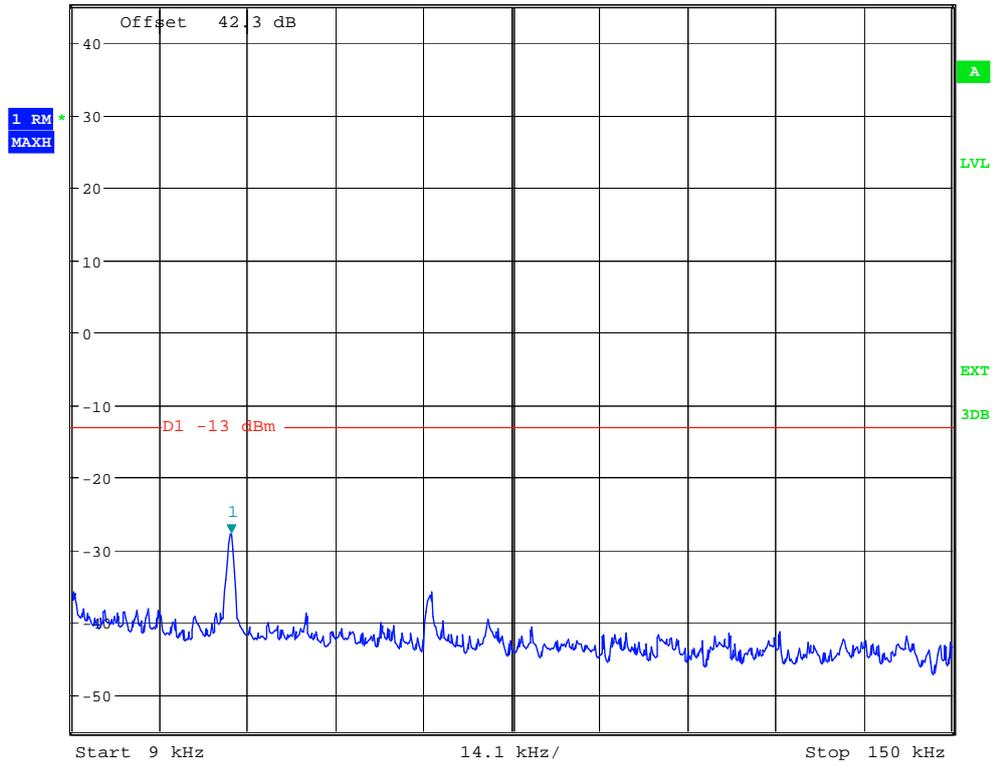




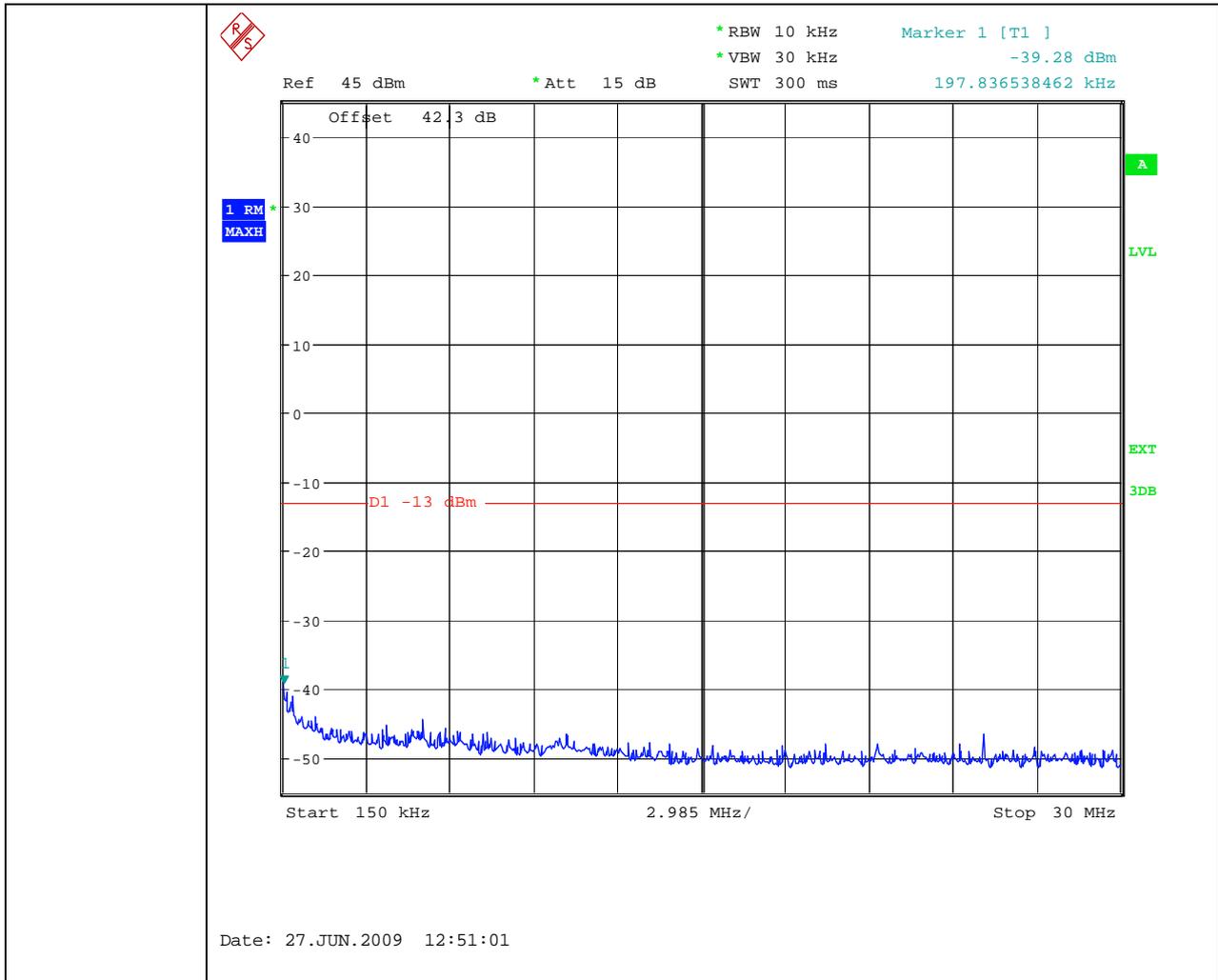
No:1688/1713/  
 1738  
 2142.6MHz/M  
 Hz/2147.6MHz  
 /  
 2152.6MHz

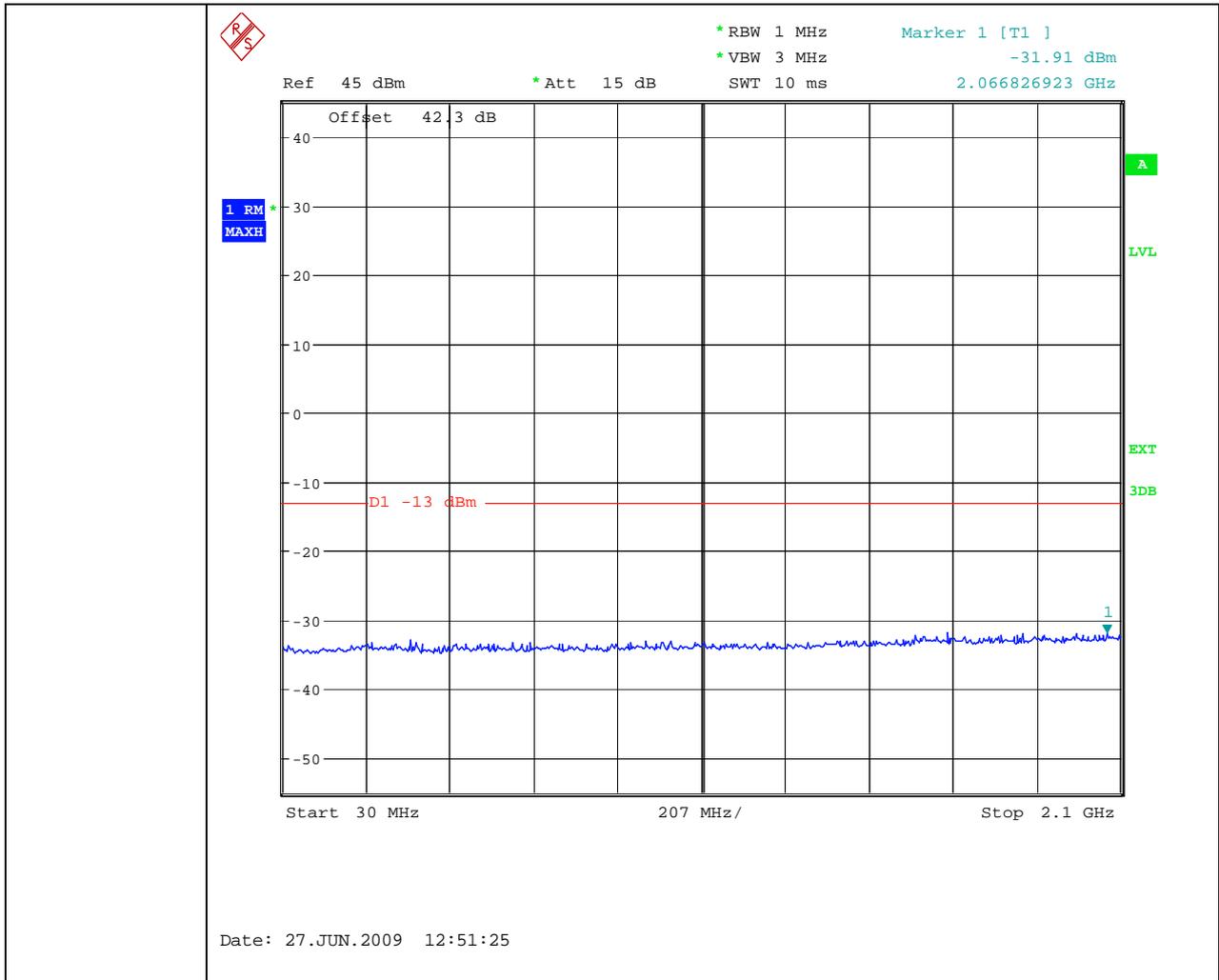


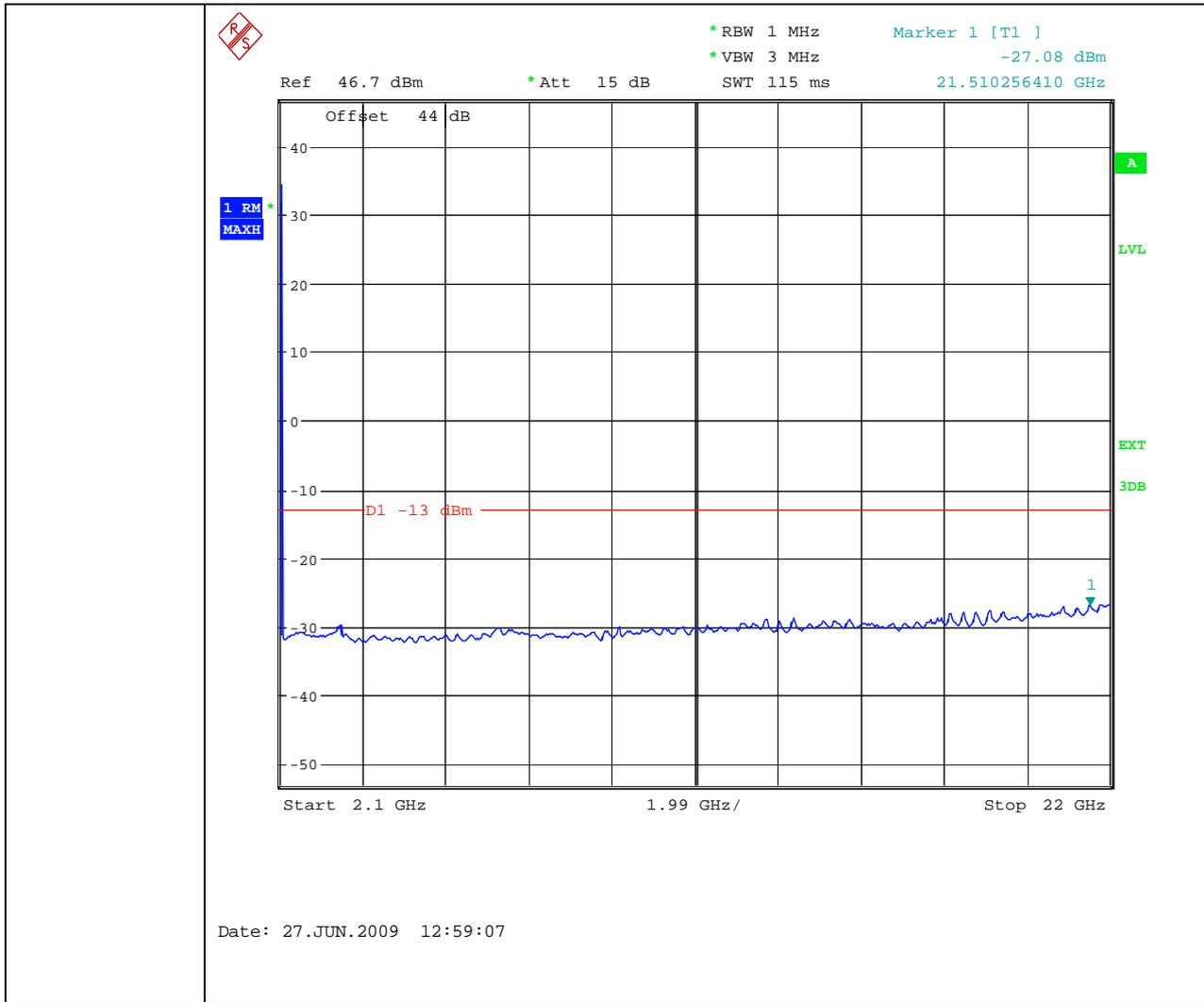
\*RBW 1 kHz      Marker 1 [T1 ]  
 \*VBW 3 kHz      -27.81 dBm  
 Ref 45 dBm      \*Att 15 dB      SWT 145 ms      34.533653846 kHz



Date: 27.JUN.2009 12:50:28









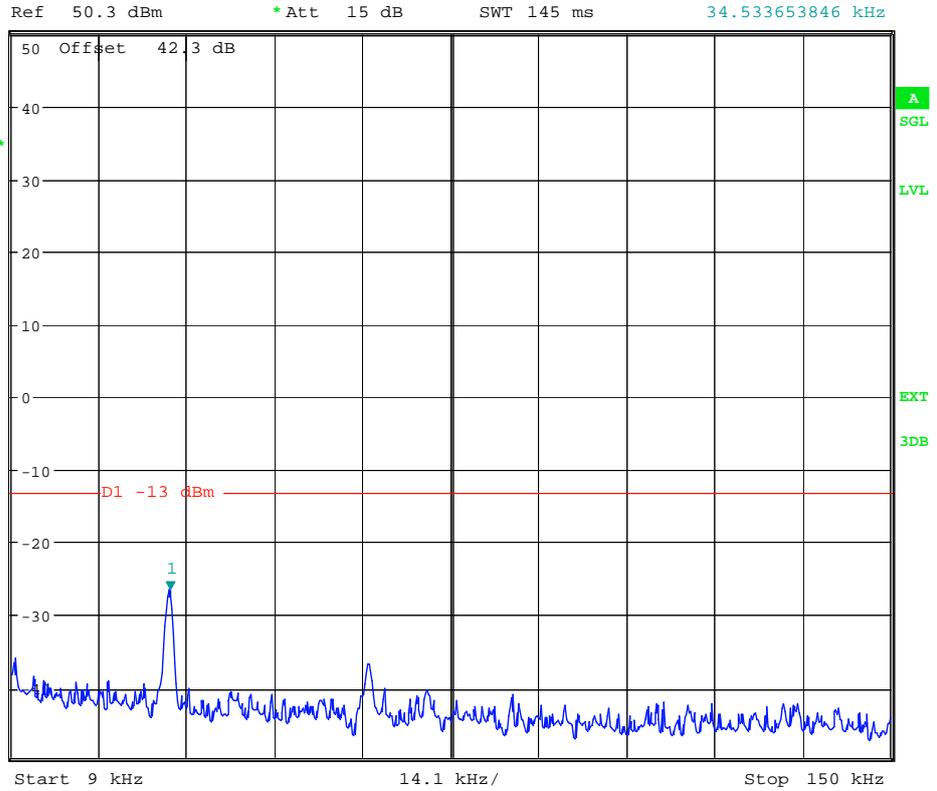
# Four Carriers

No.1537/1562/  
1587/1612

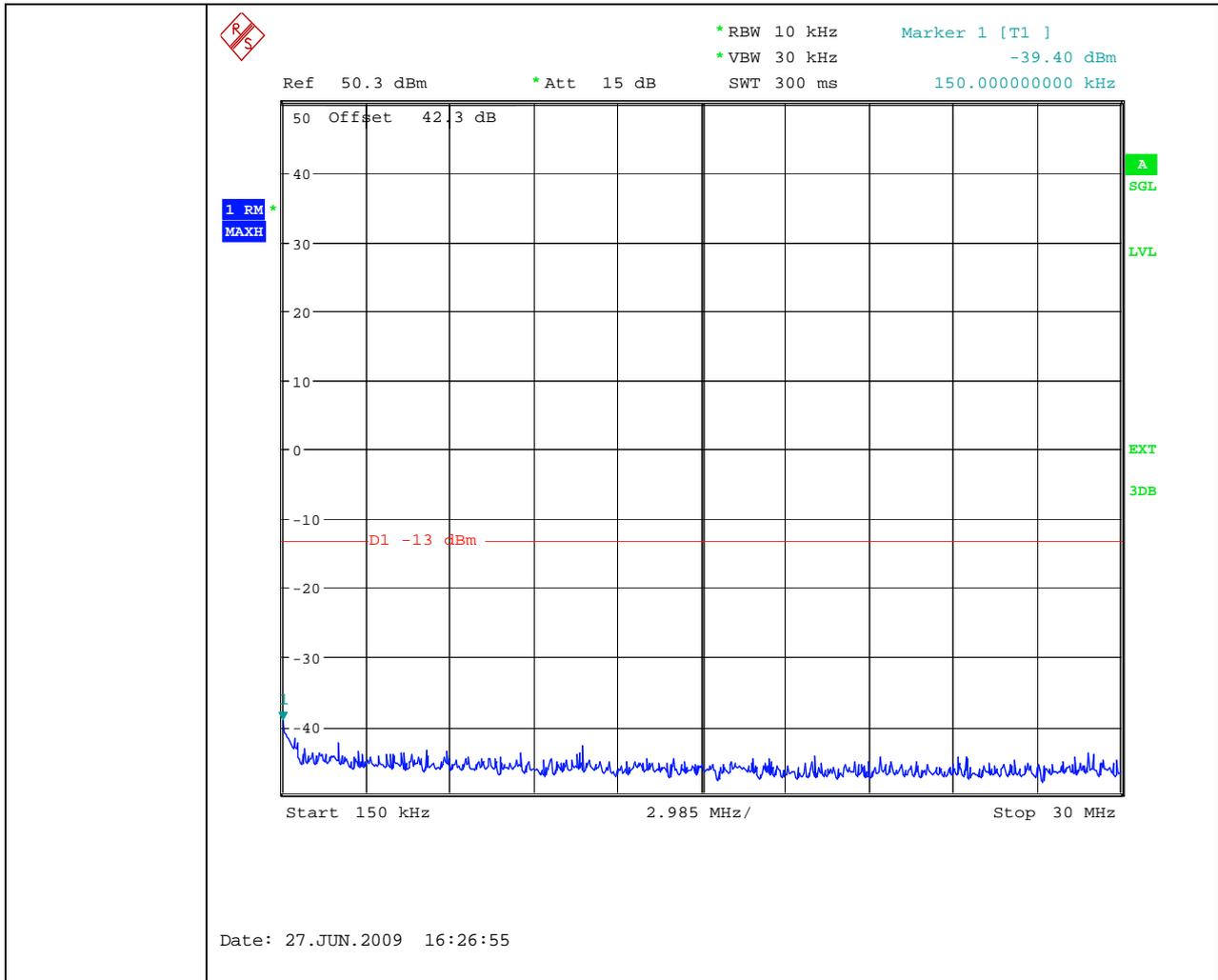
2112.4MHz/21  
17.4MHz/2122  
.4MHz/2127.4  
MHz

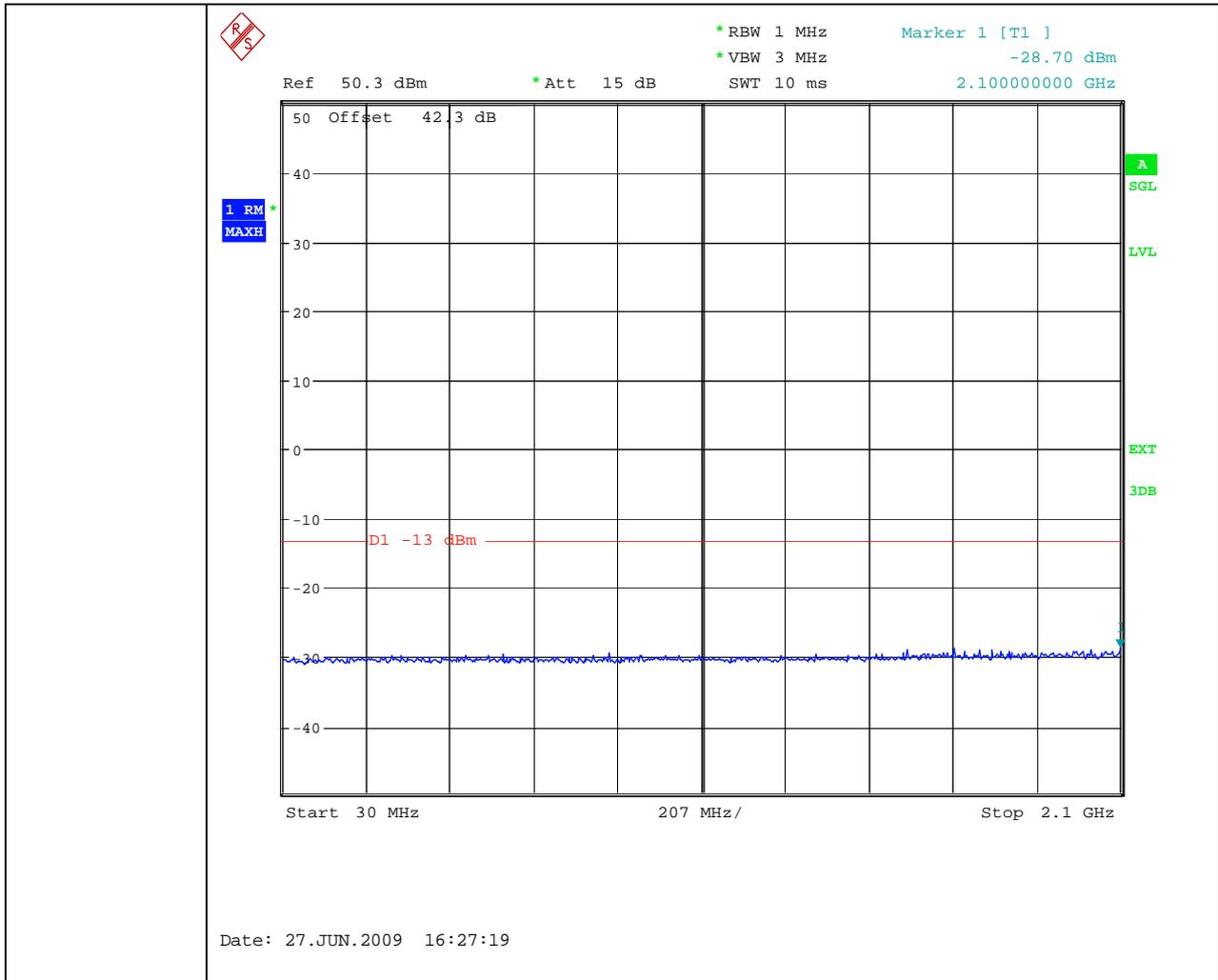


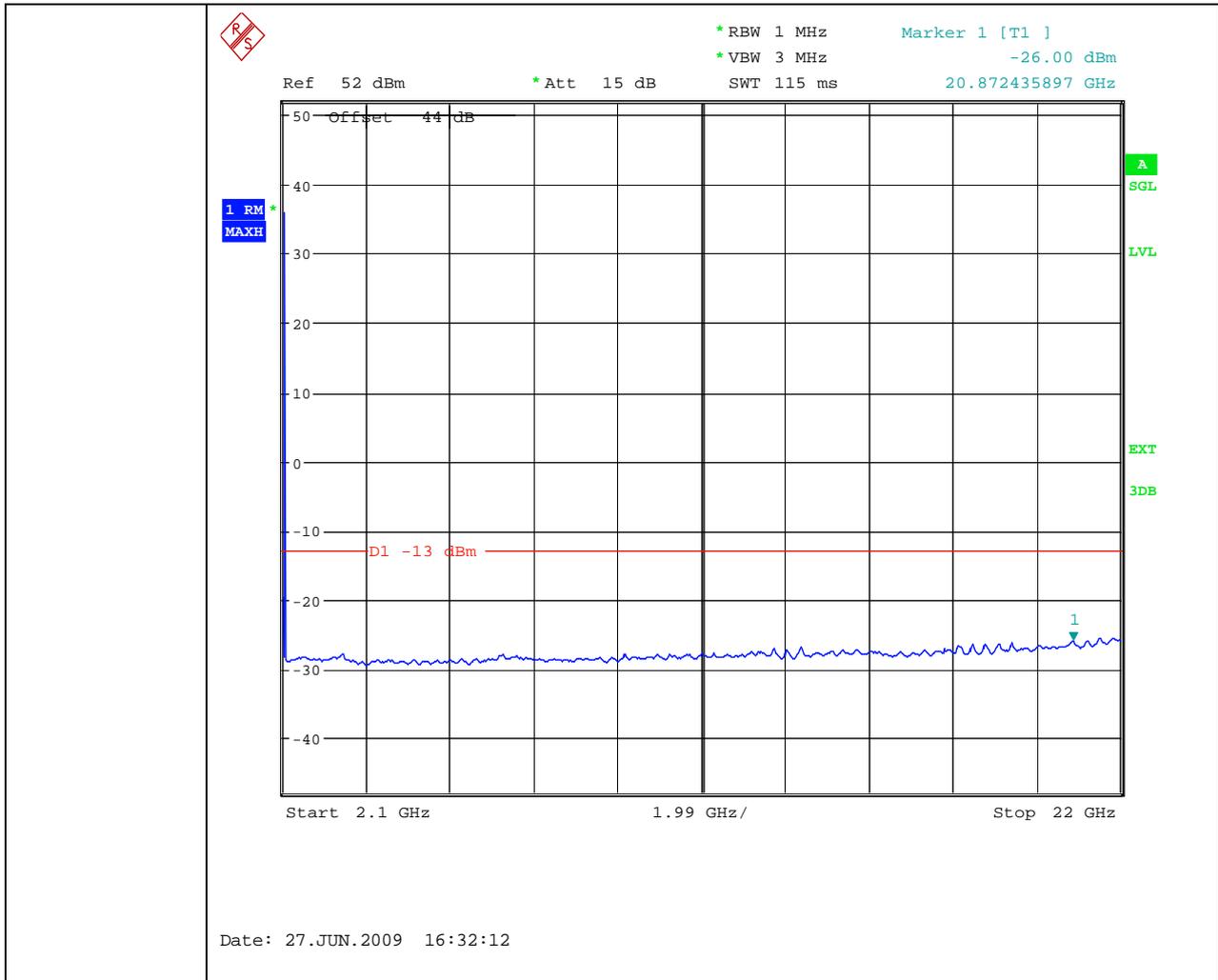
\*RBW 1 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      -26.78 dBm  
SWT 145 ms      34.533653846 kHz



Date: 27.JUN.2009 16:26:23





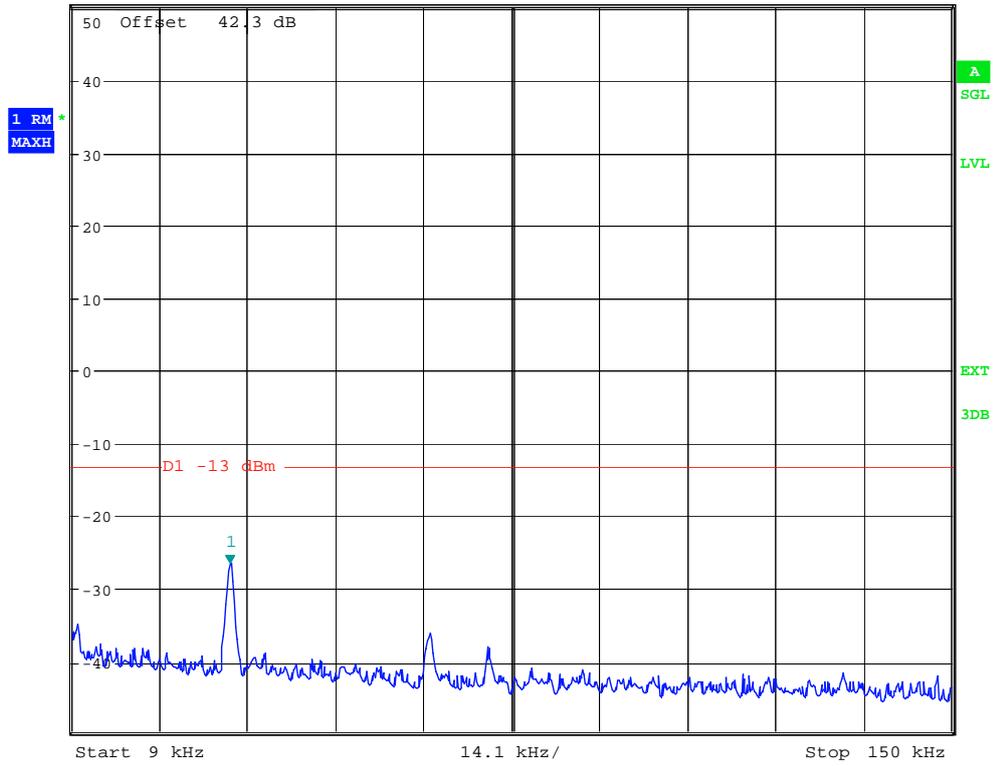




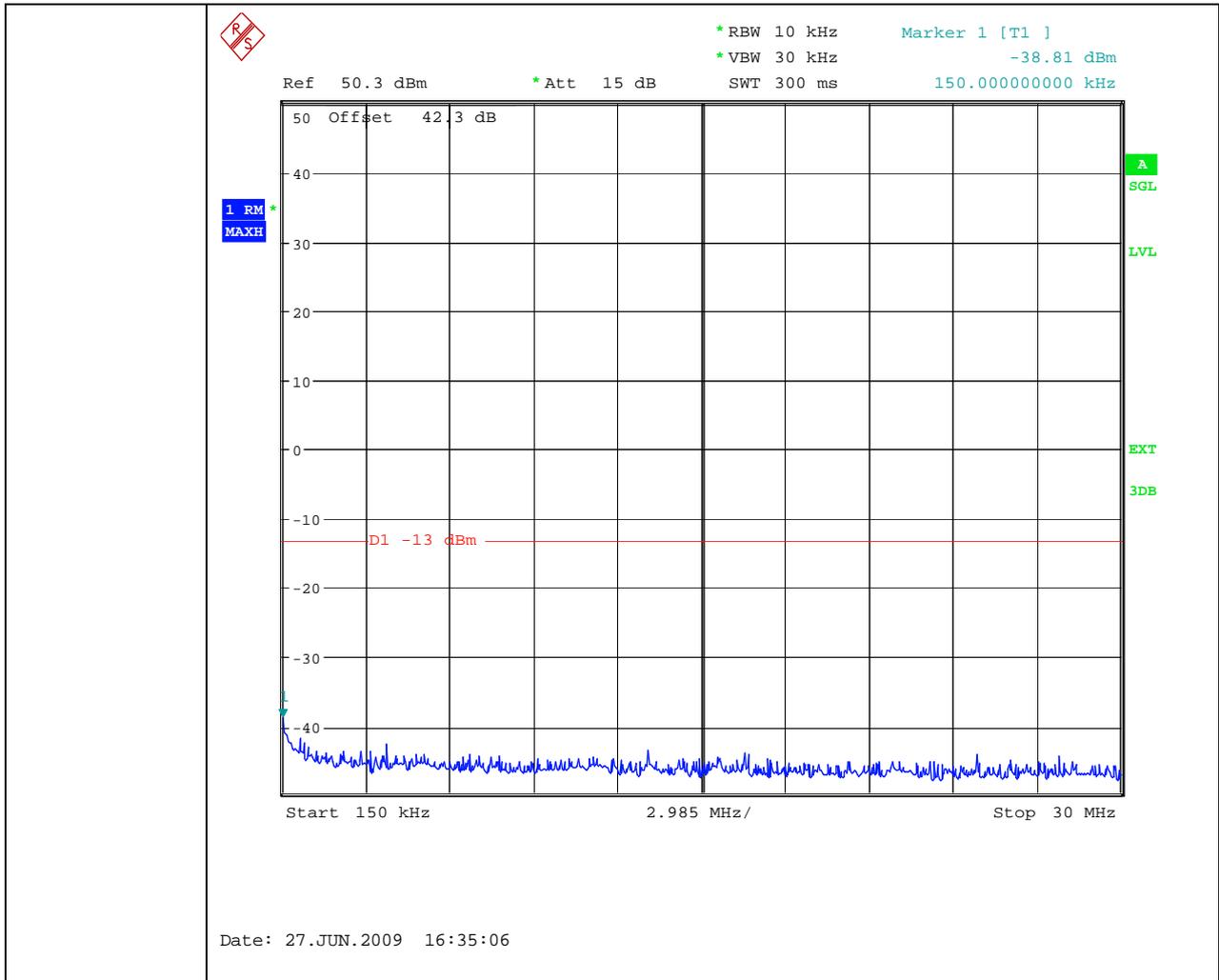
No:1663/1688/  
 1713/1738  
 2137.6MHz/21  
 42.6MHz/  
 2147.6MHz/21  
 52.6MHz

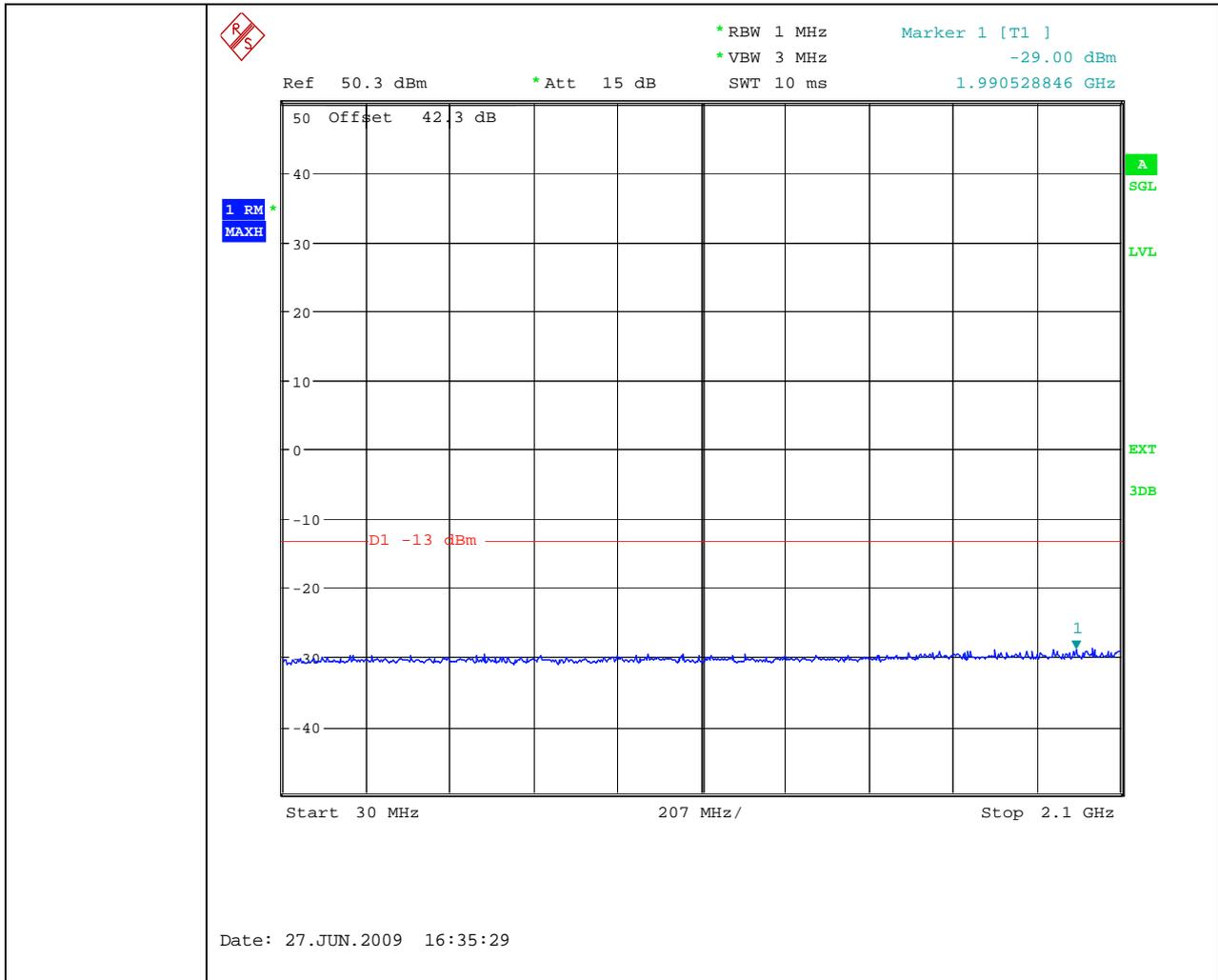


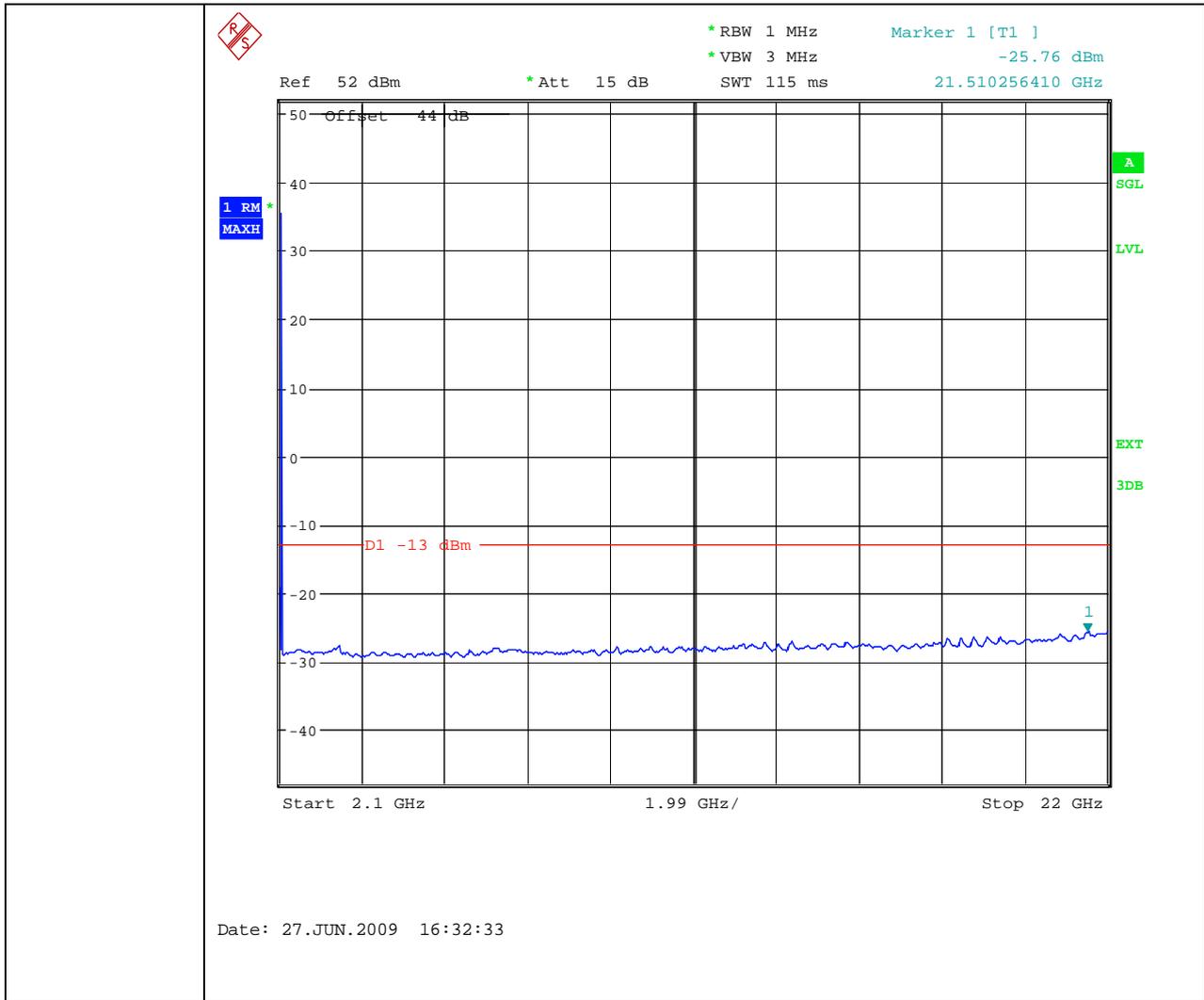
\*RBW 1 kHz      Marker 1 [T1 ]  
 \*VBW 3 kHz      -26.66 dBm  
 Ref 50.3 dBm      \*Att 15 dB      SWT 145 ms      34.307692308 kHz



Date: 27.JUN.2009 16:34:42



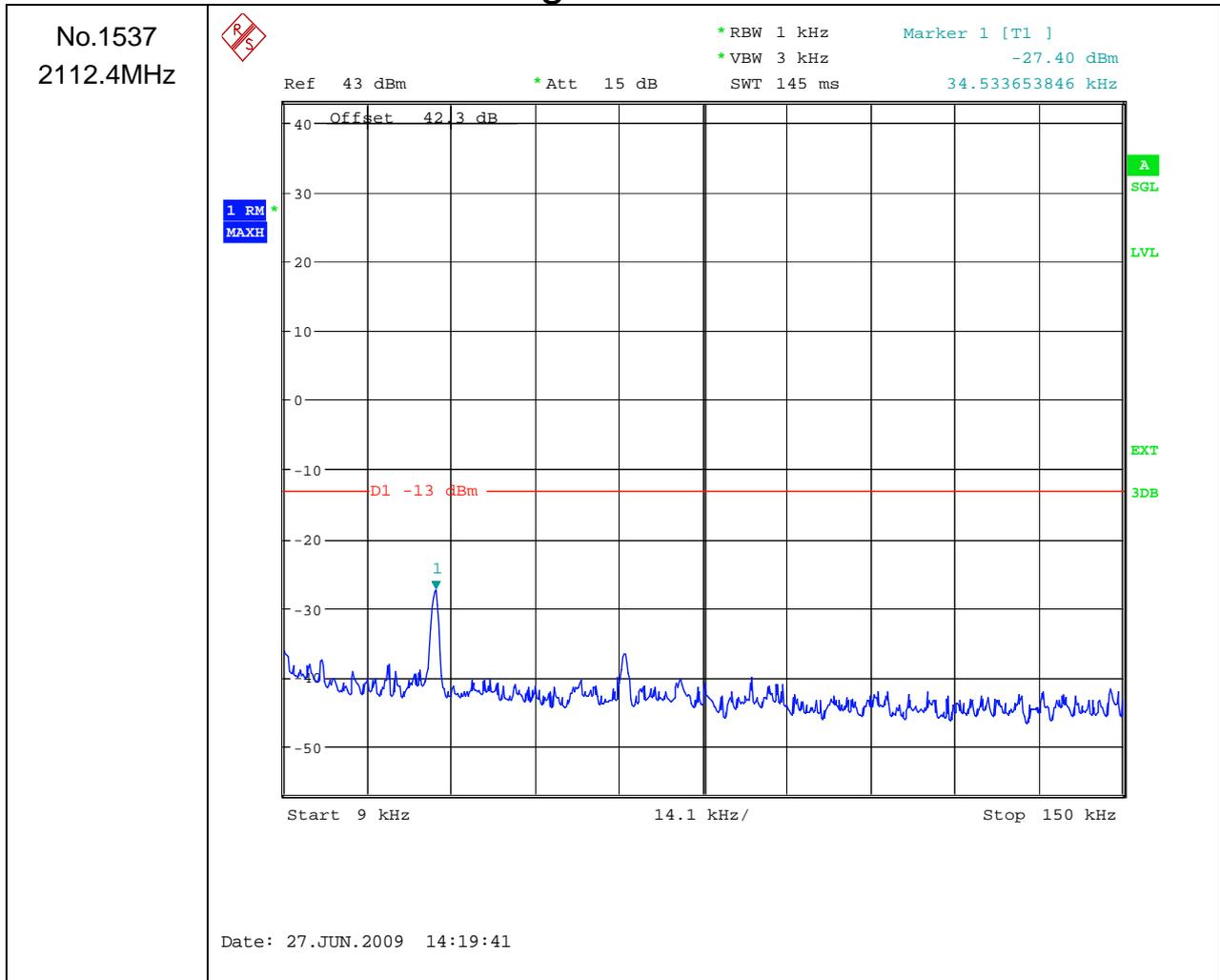


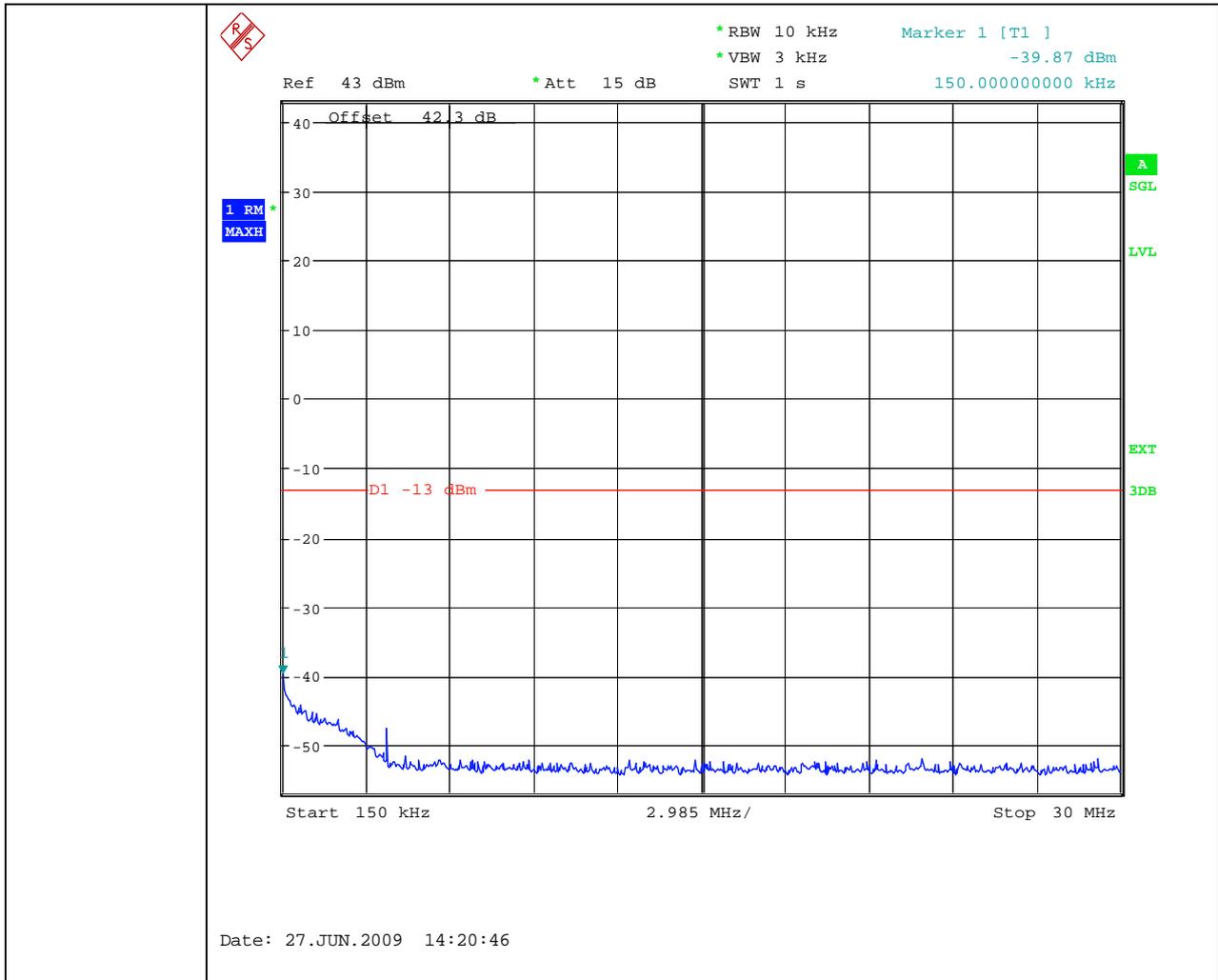


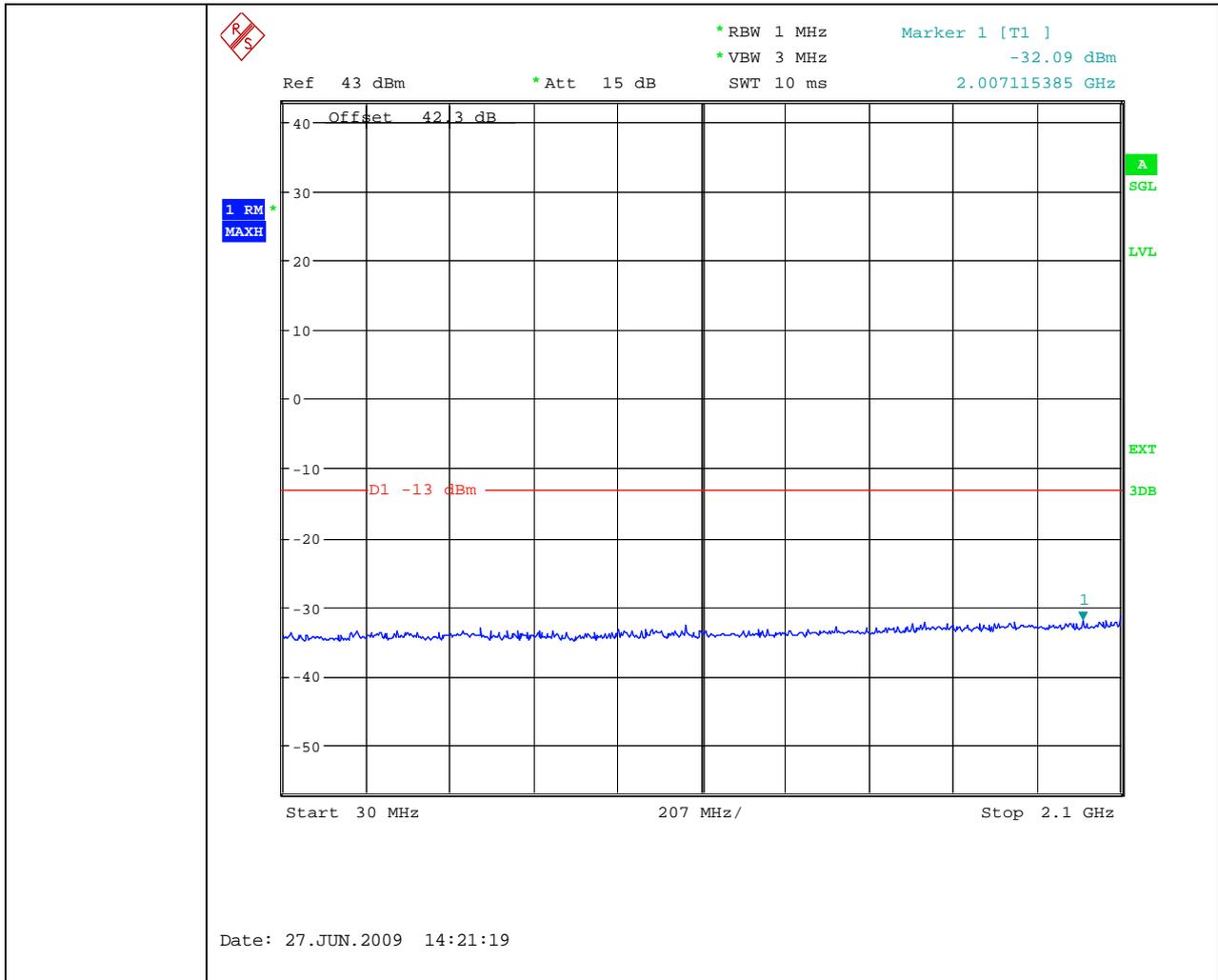


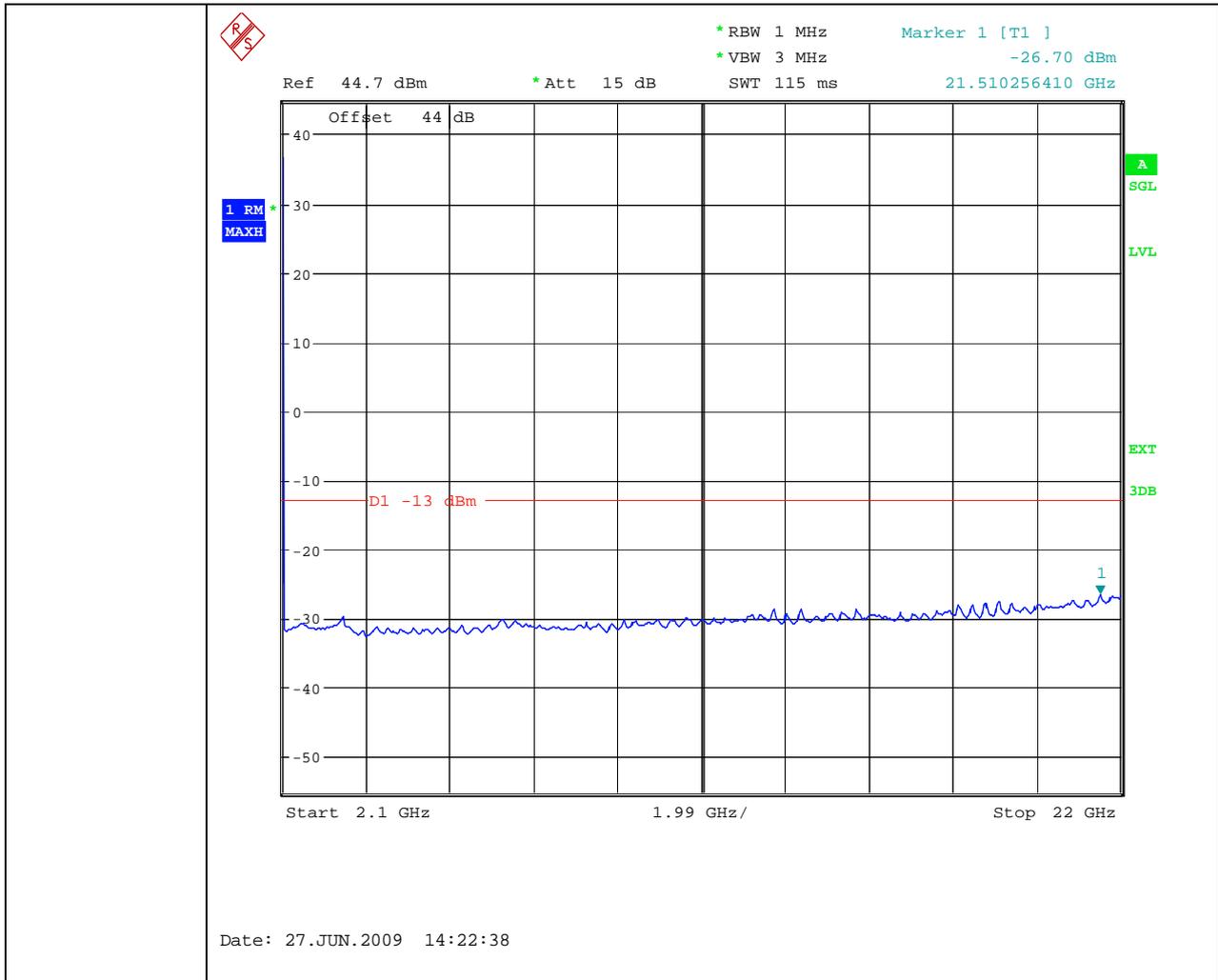
TM5:

### Single Carrier







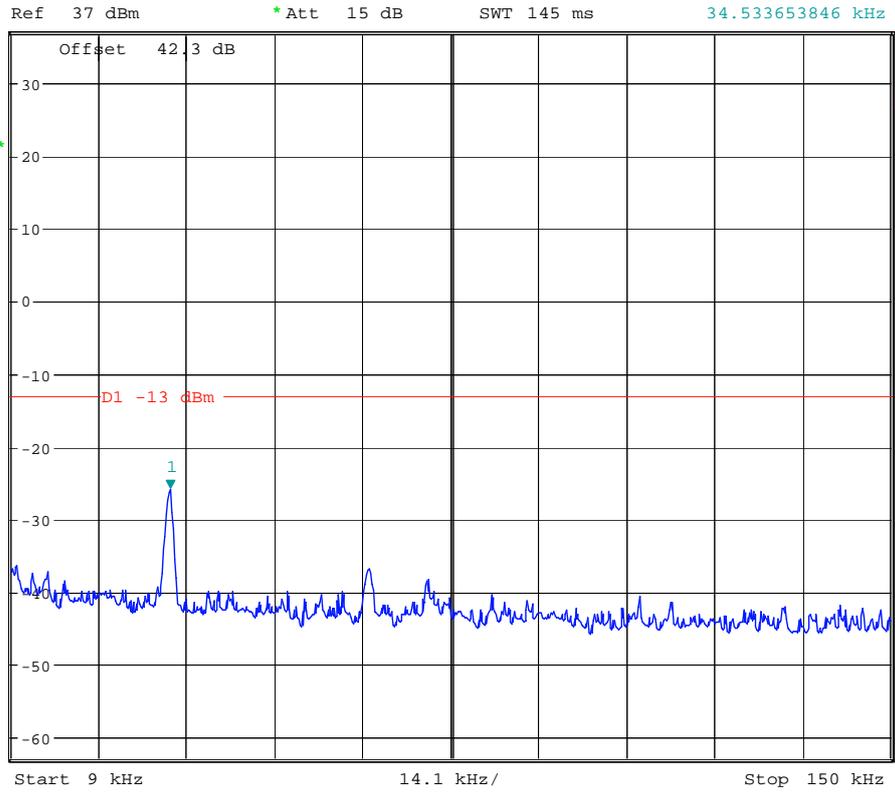




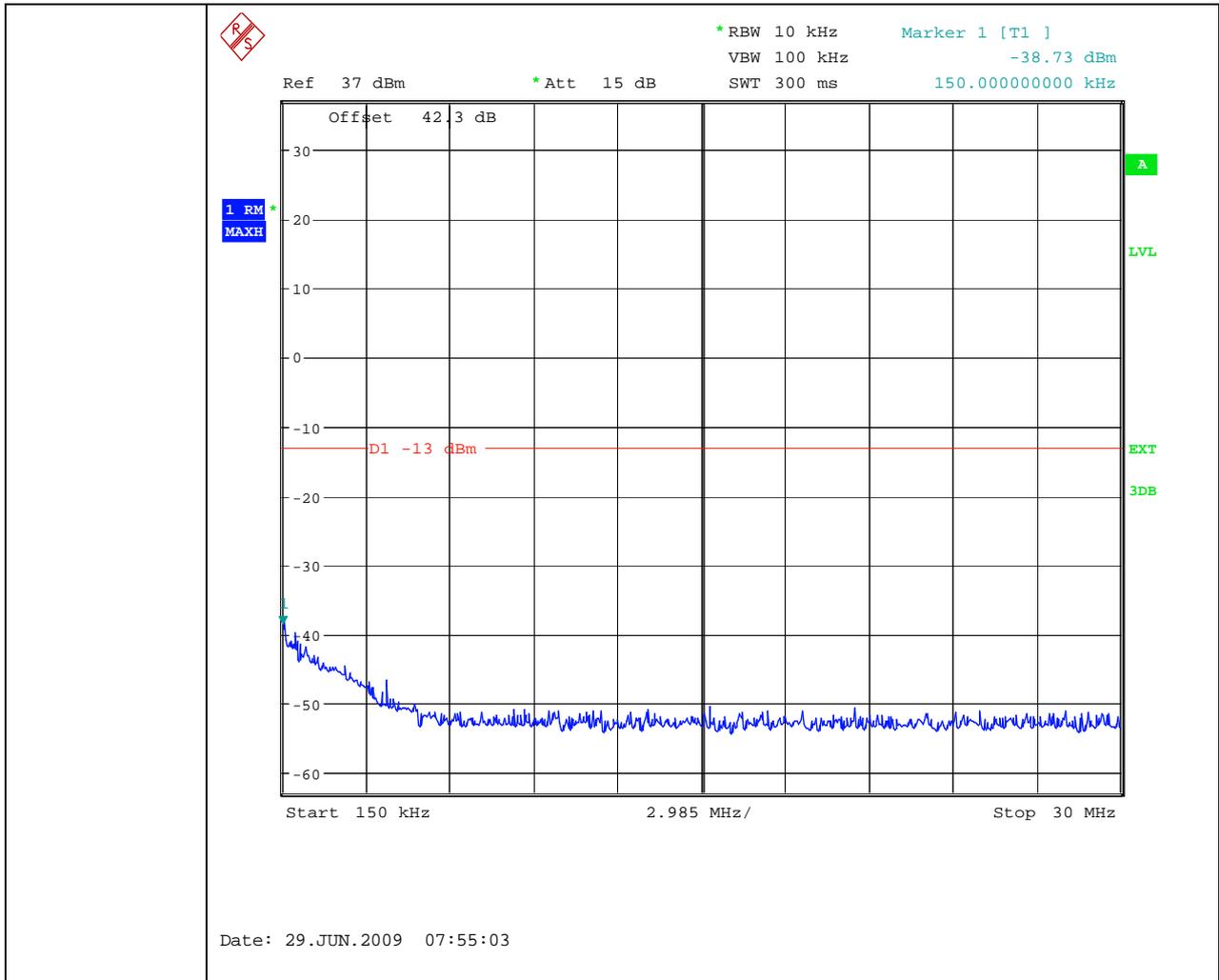
No.1640  
 2133MHz

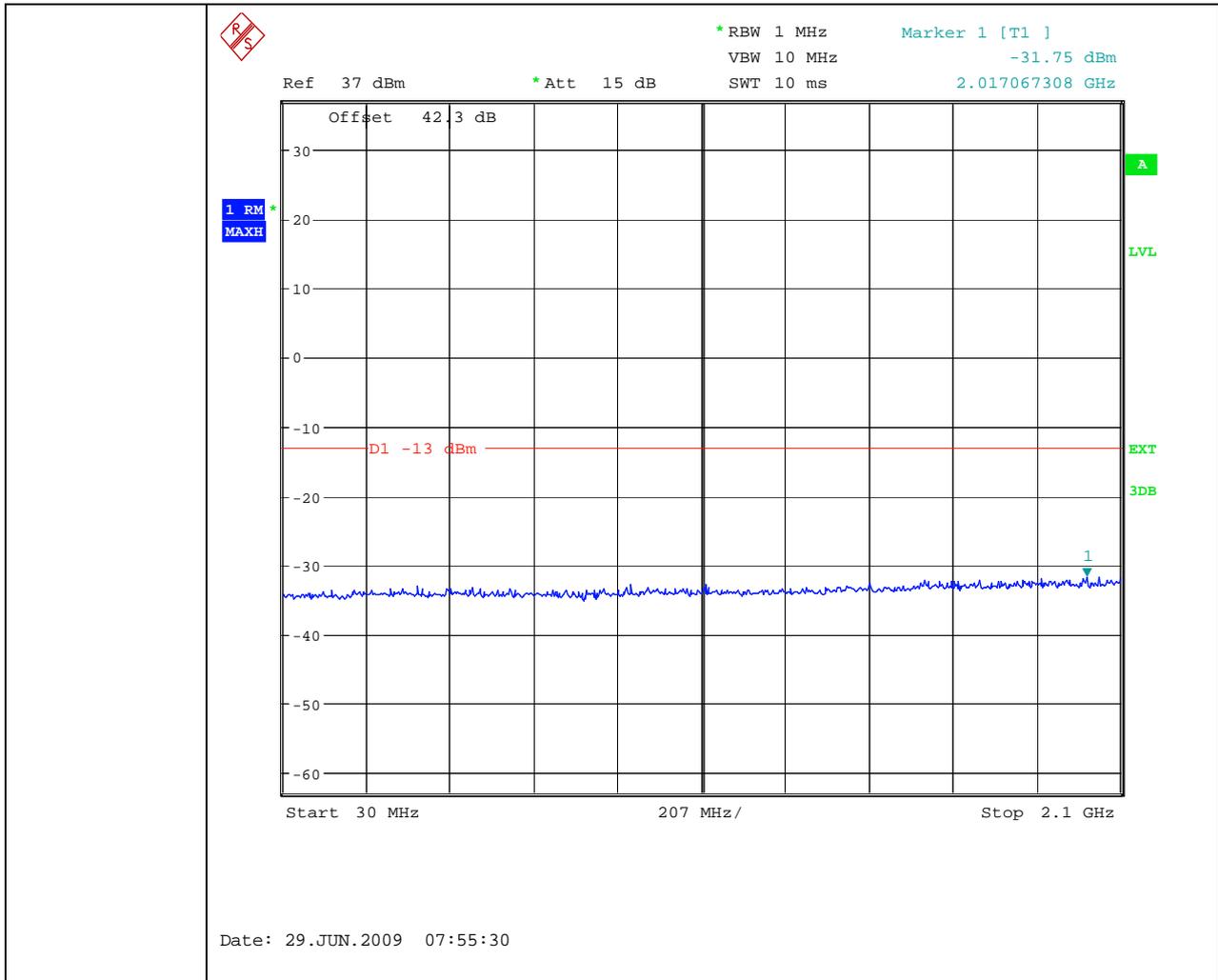


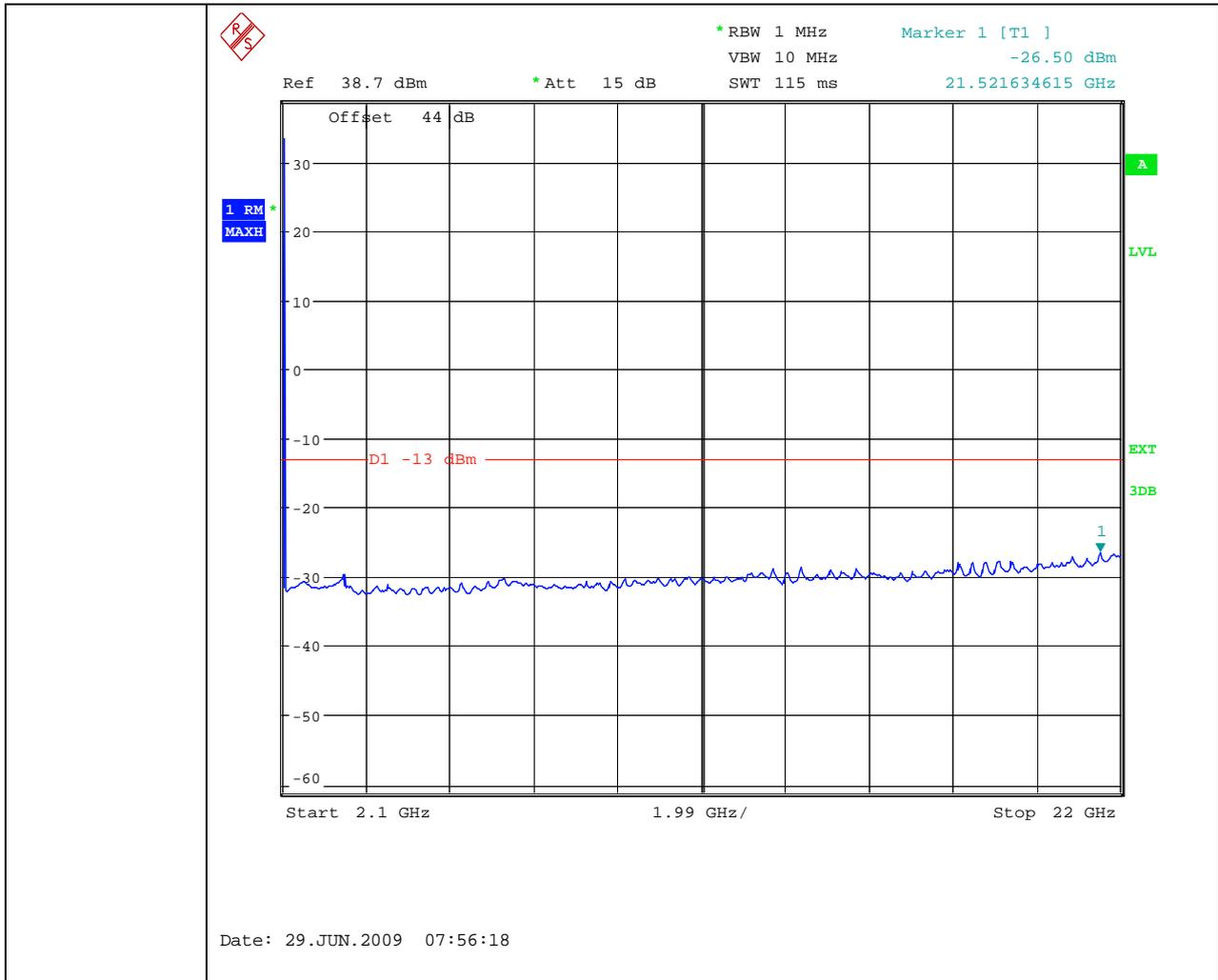
\*RBW 1 kHz  
 VBW 10 kHz  
 SWT 145 ms  
 Marker 1 [T1 ]  
 -25.88 dBm  
 34.533653846 kHz



Date: 29.JUN.2009 07:54:38





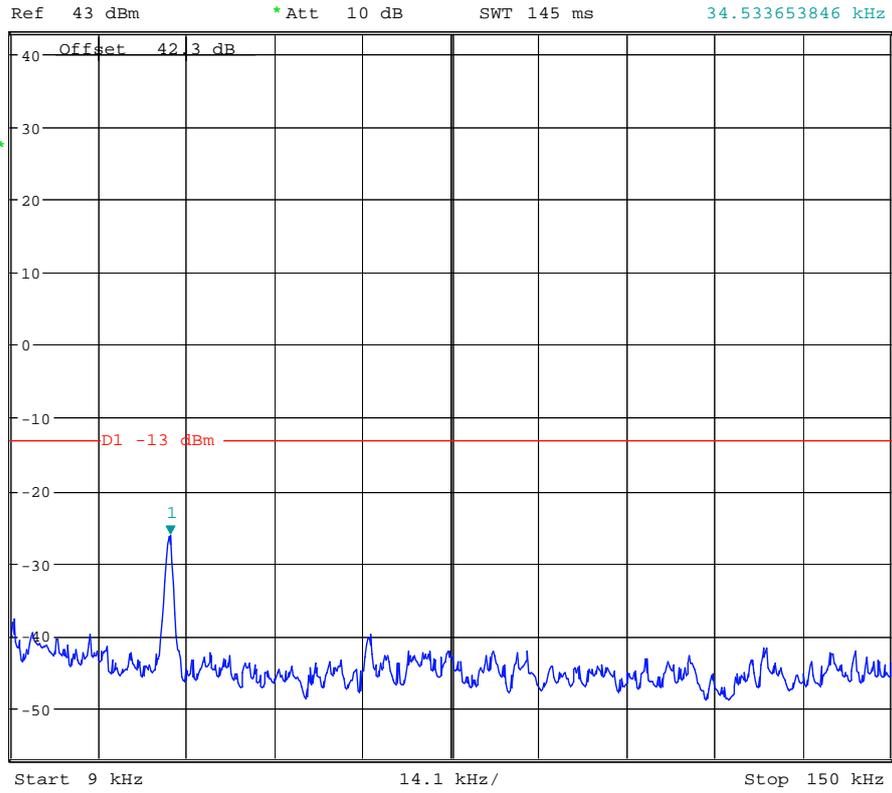




No:1738  
2152.6MHz

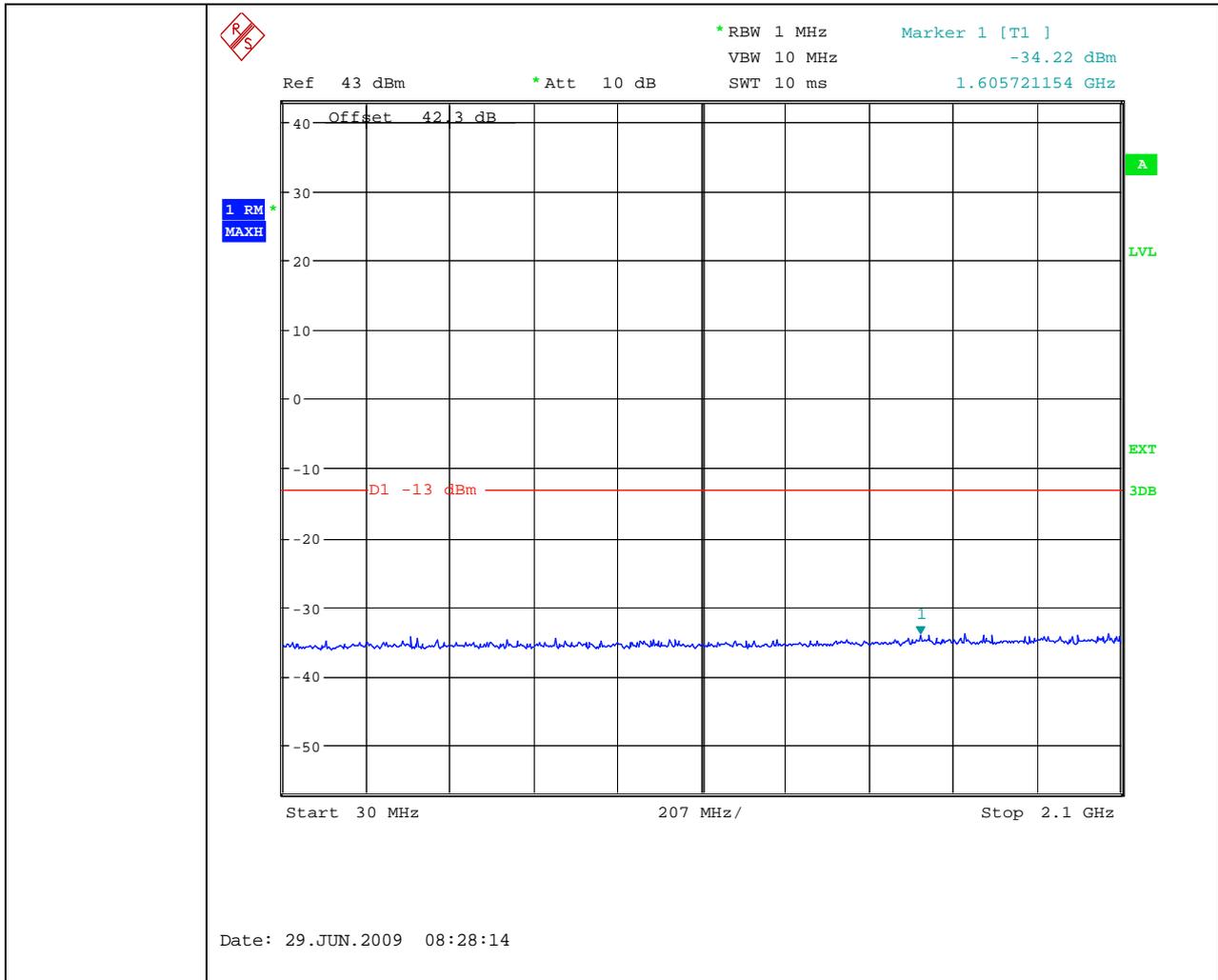


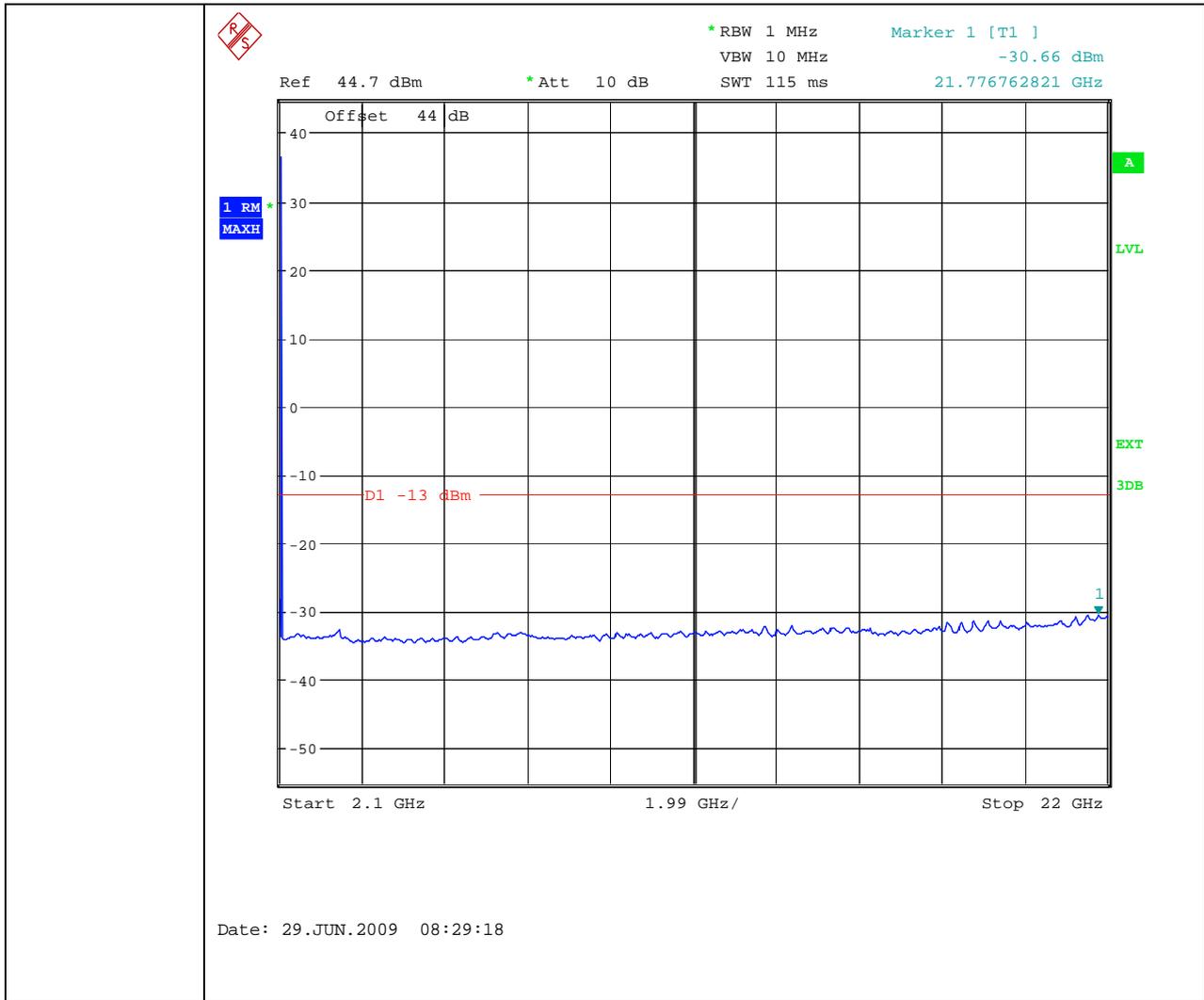
\*RBW 1 kHz      Marker 1 [T1 ]  
VBW 10 kHz      -26.29 dBm  
SWT 145 ms      34.533653846 kHz



Date: 29.JUN.2009 08:27:25







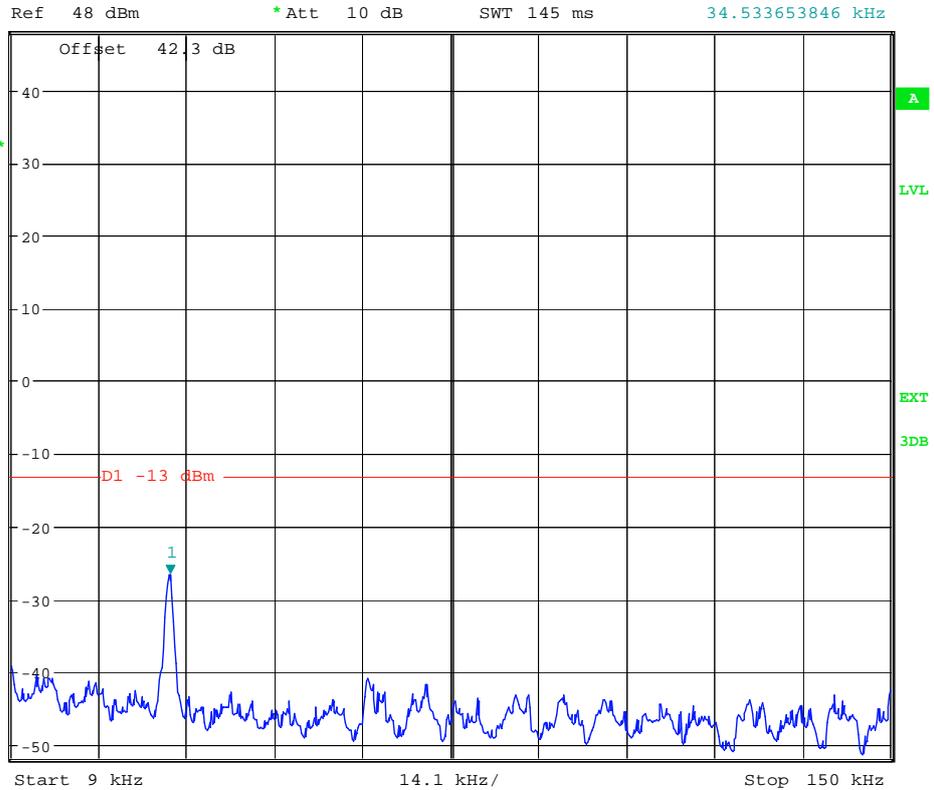


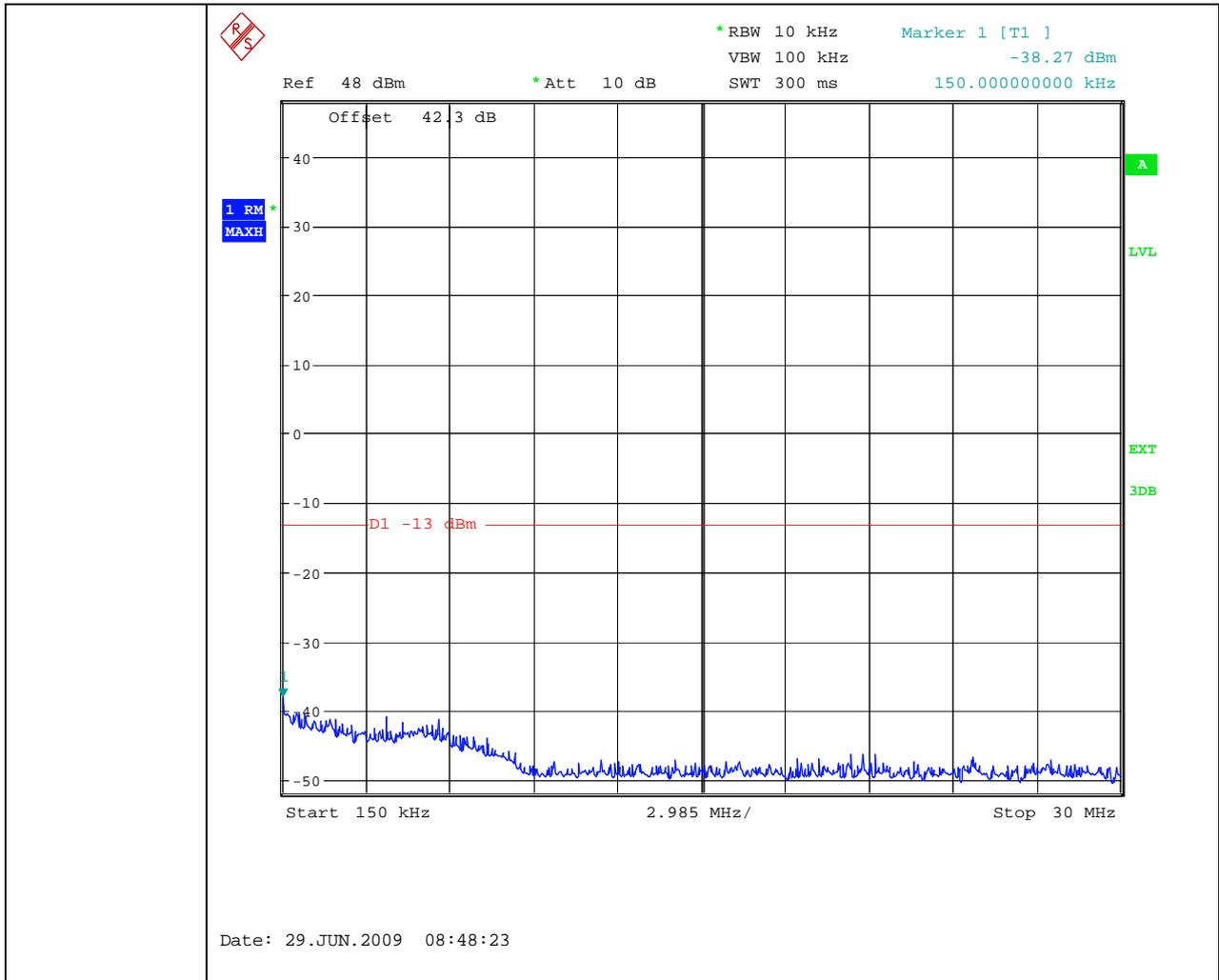
## Two Carriers

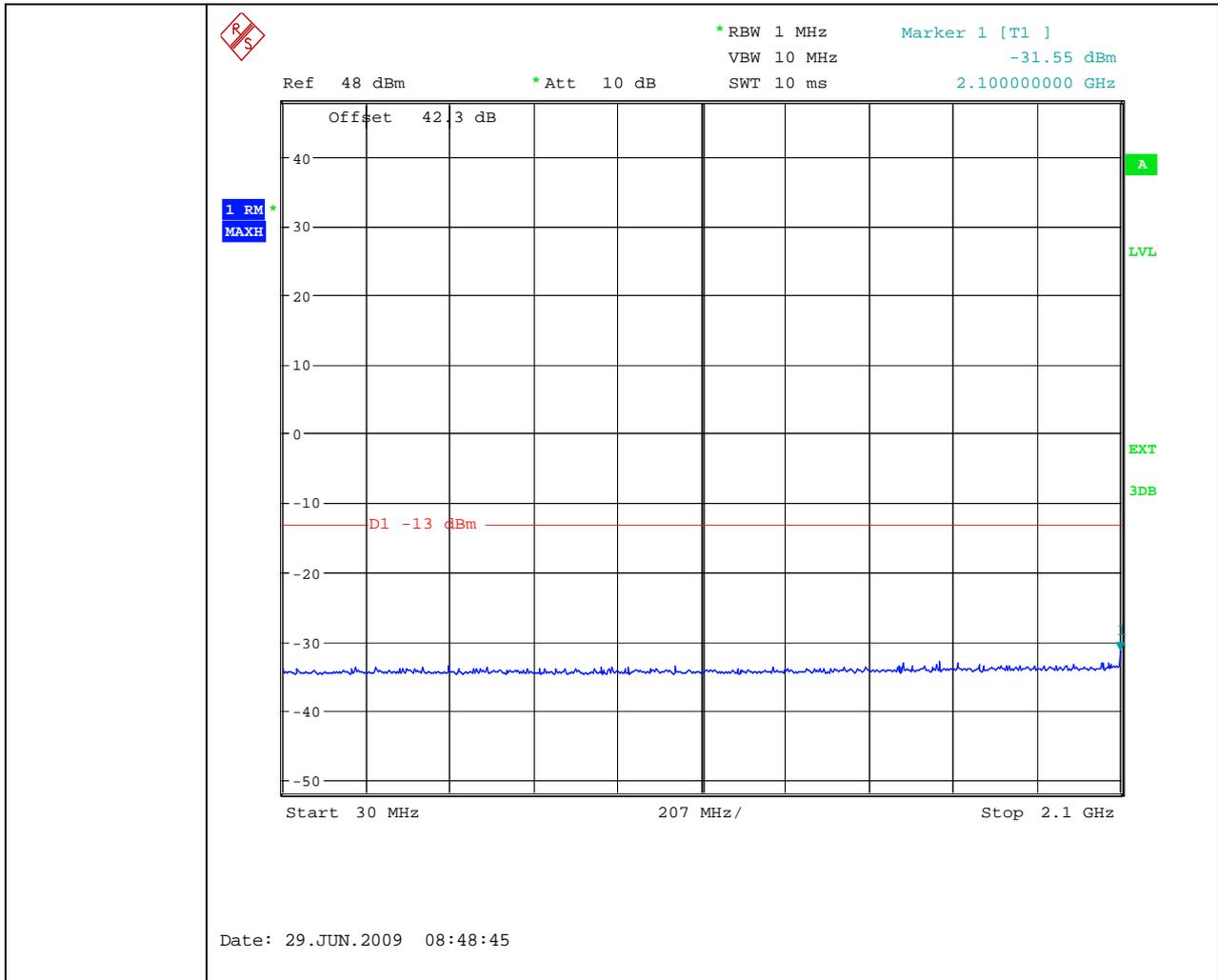
No.1537/1562  
2112.4MHz/21  
17.4MHz

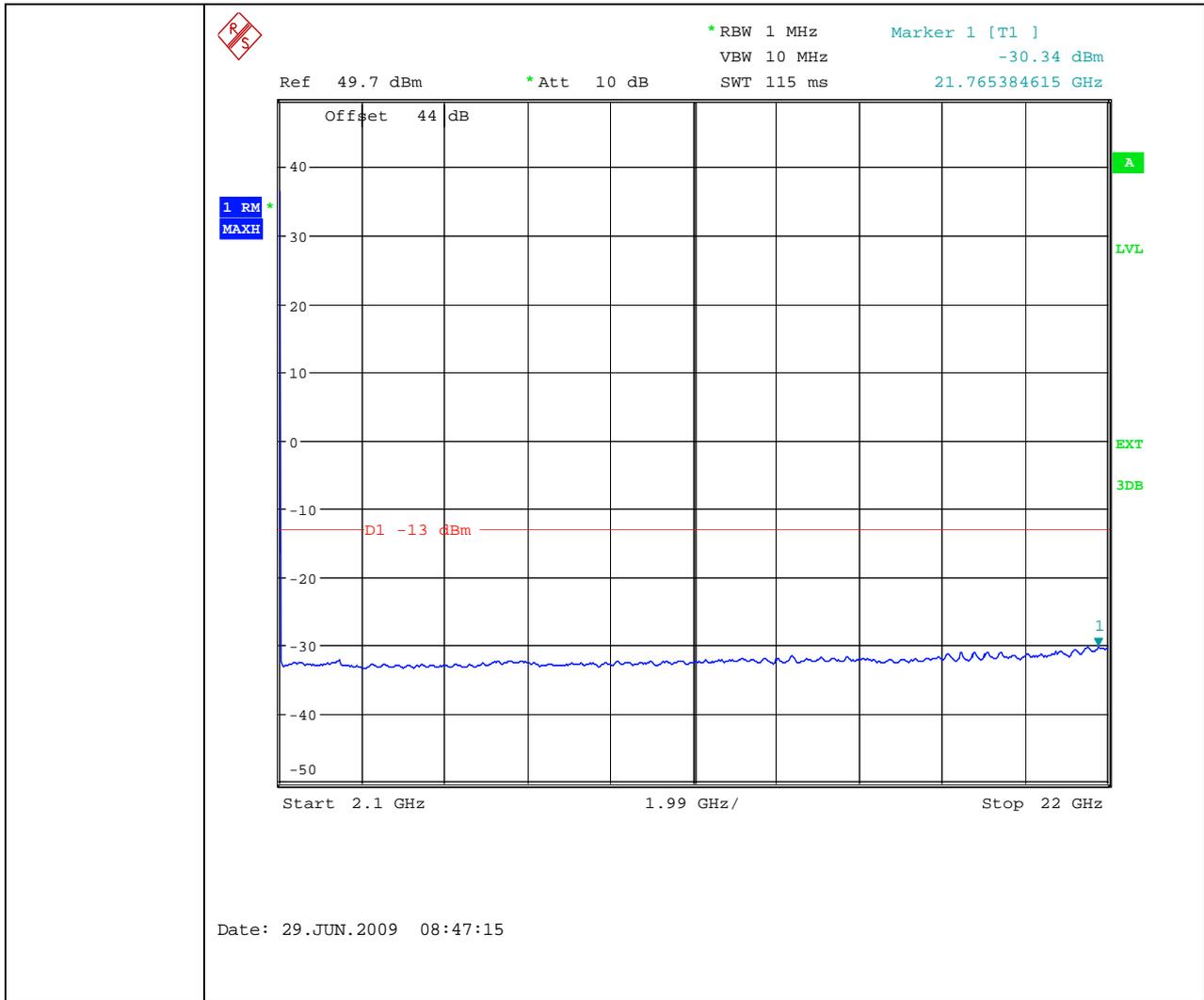


\*RBW 1 kHz  
VBW 10 kHz  
SWT 145 ms  
Marker 1 [T1 ]  
-26.59 dBm  
34.533653846 kHz







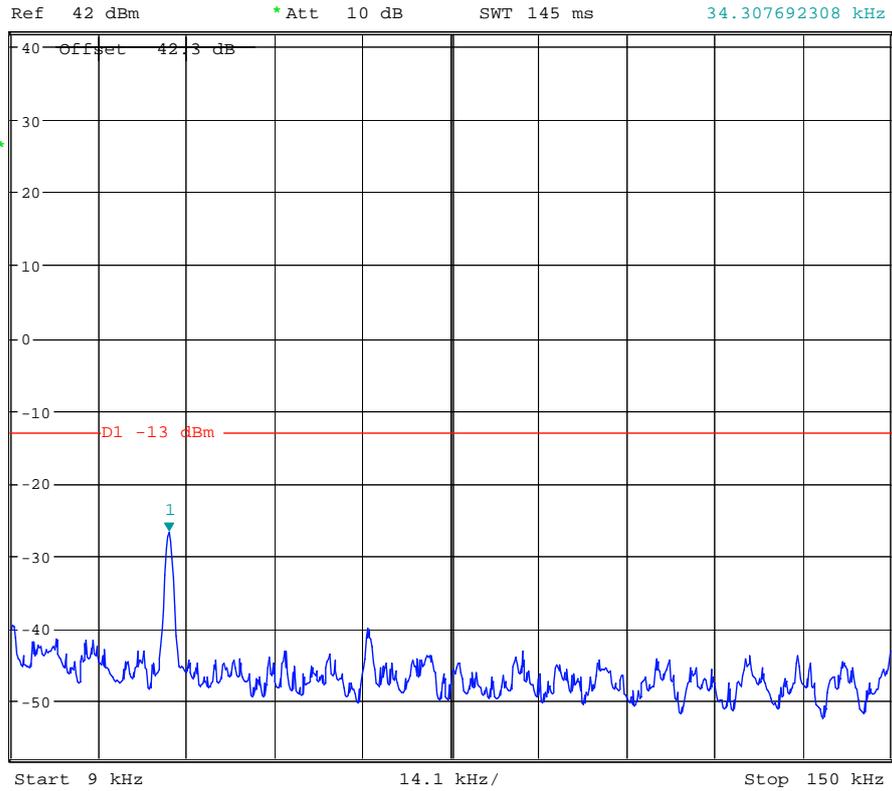




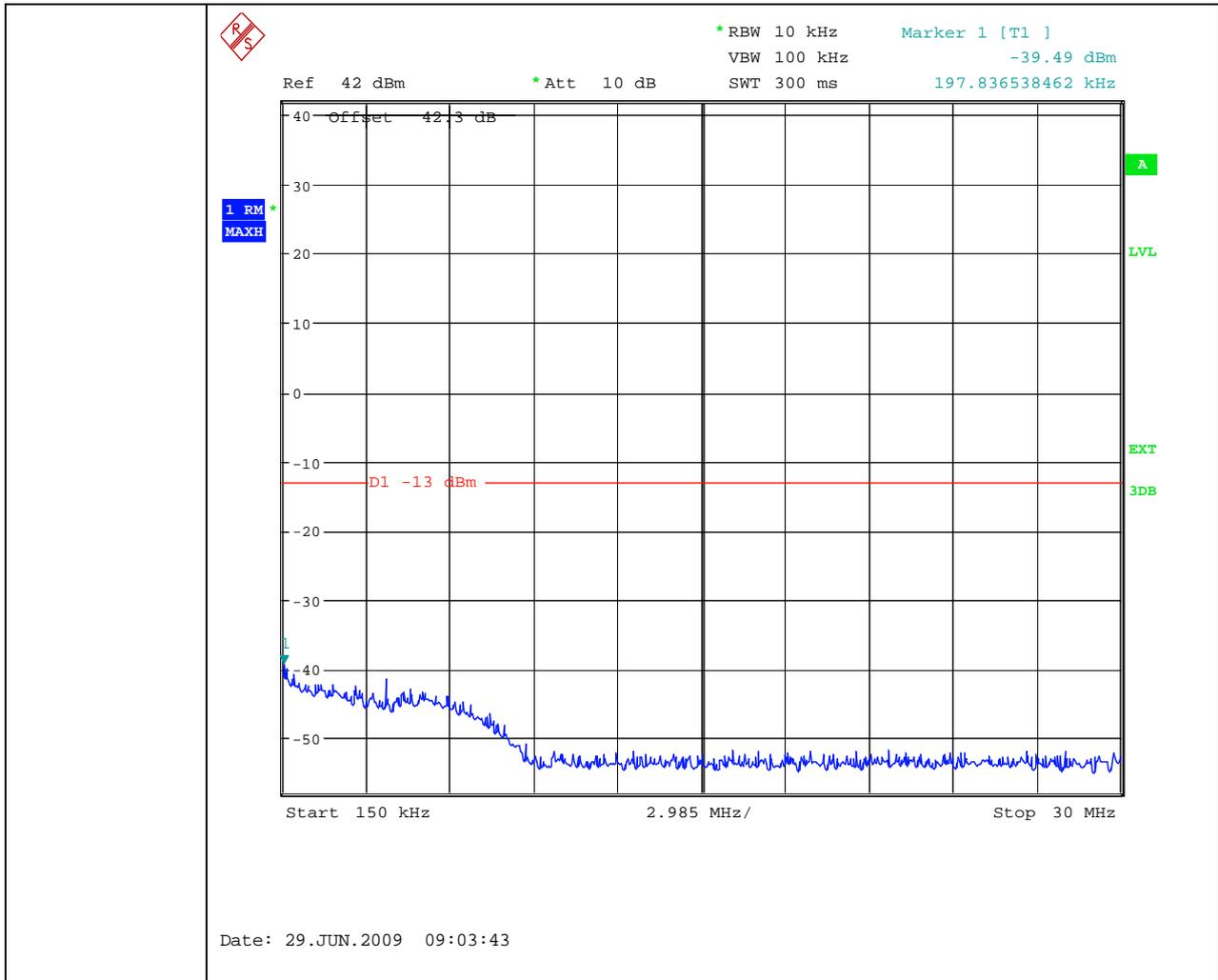
No.1640/1665  
2133MHz/213  
8MHz

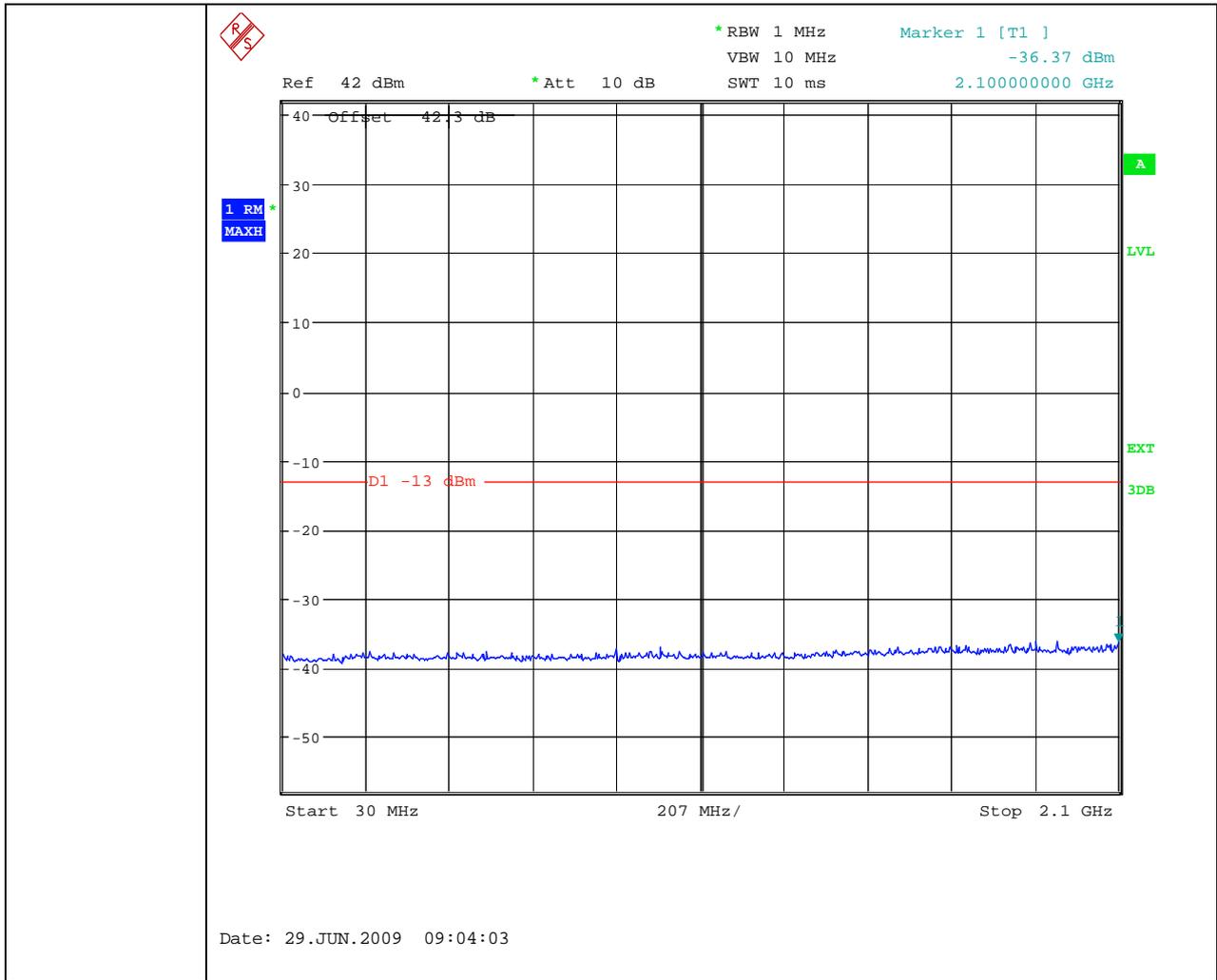


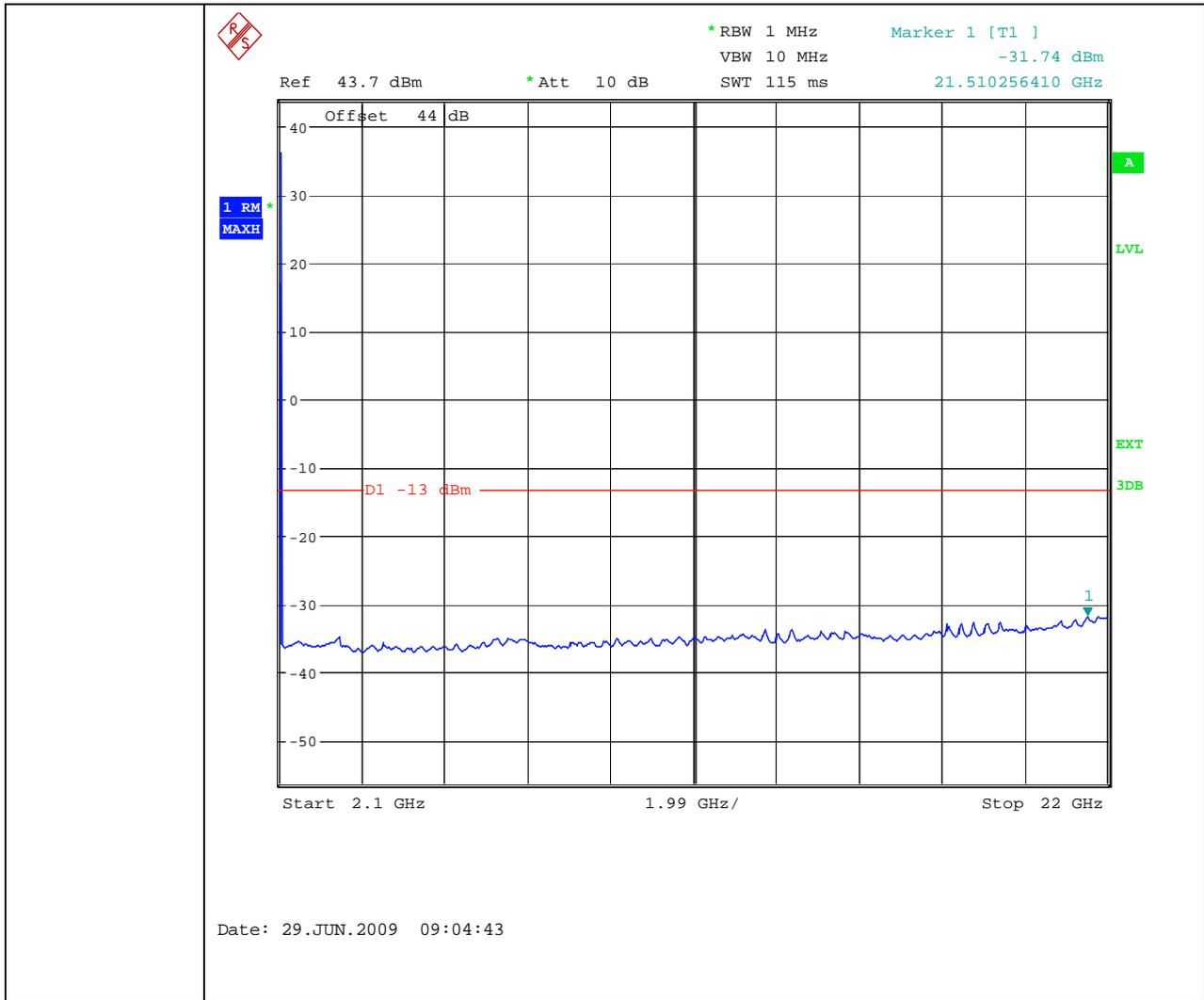
\*RBW 1 kHz  
VBW 10 kHz  
SWT 145 ms  
Marker 1 [T1 ]  
-26.79 dBm  
34.307692308 kHz



Date: 29.JUN.2009 09:03:14





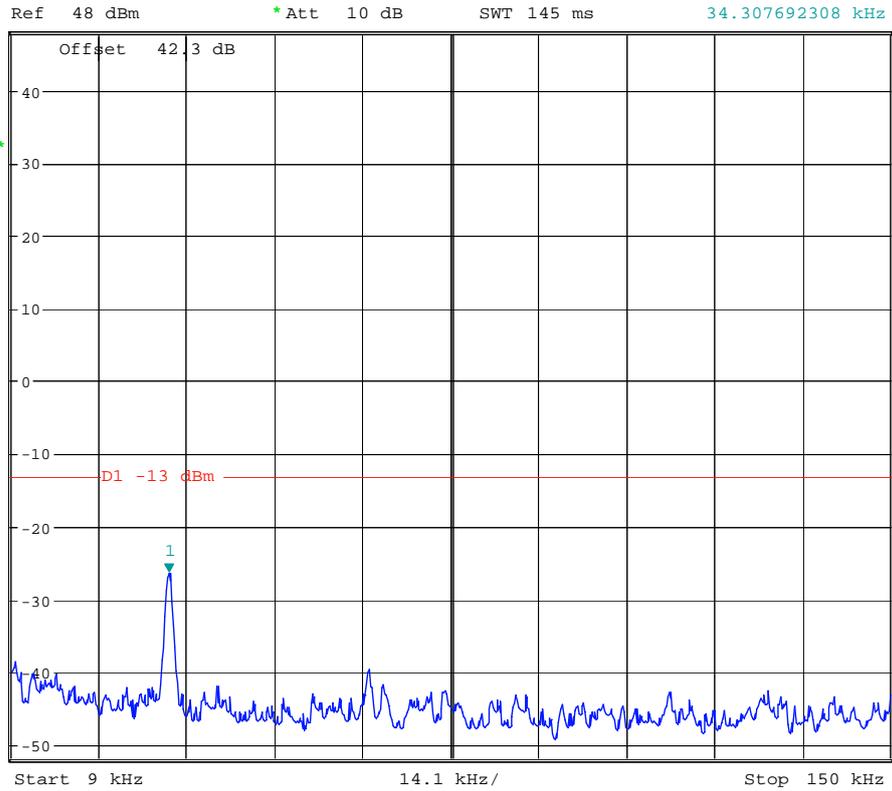




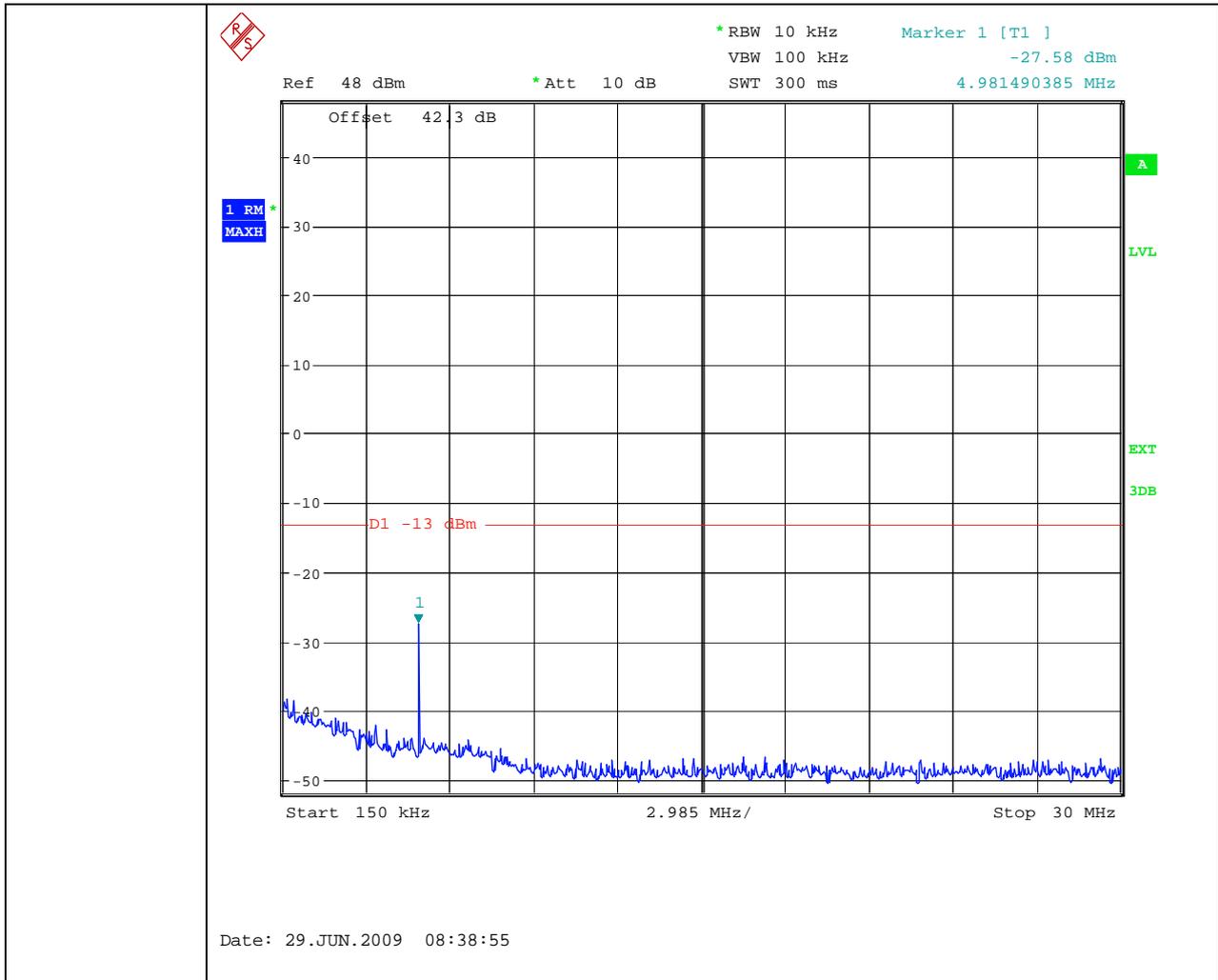
No:1713/1738  
2147.6MHz/21  
52.6MHz

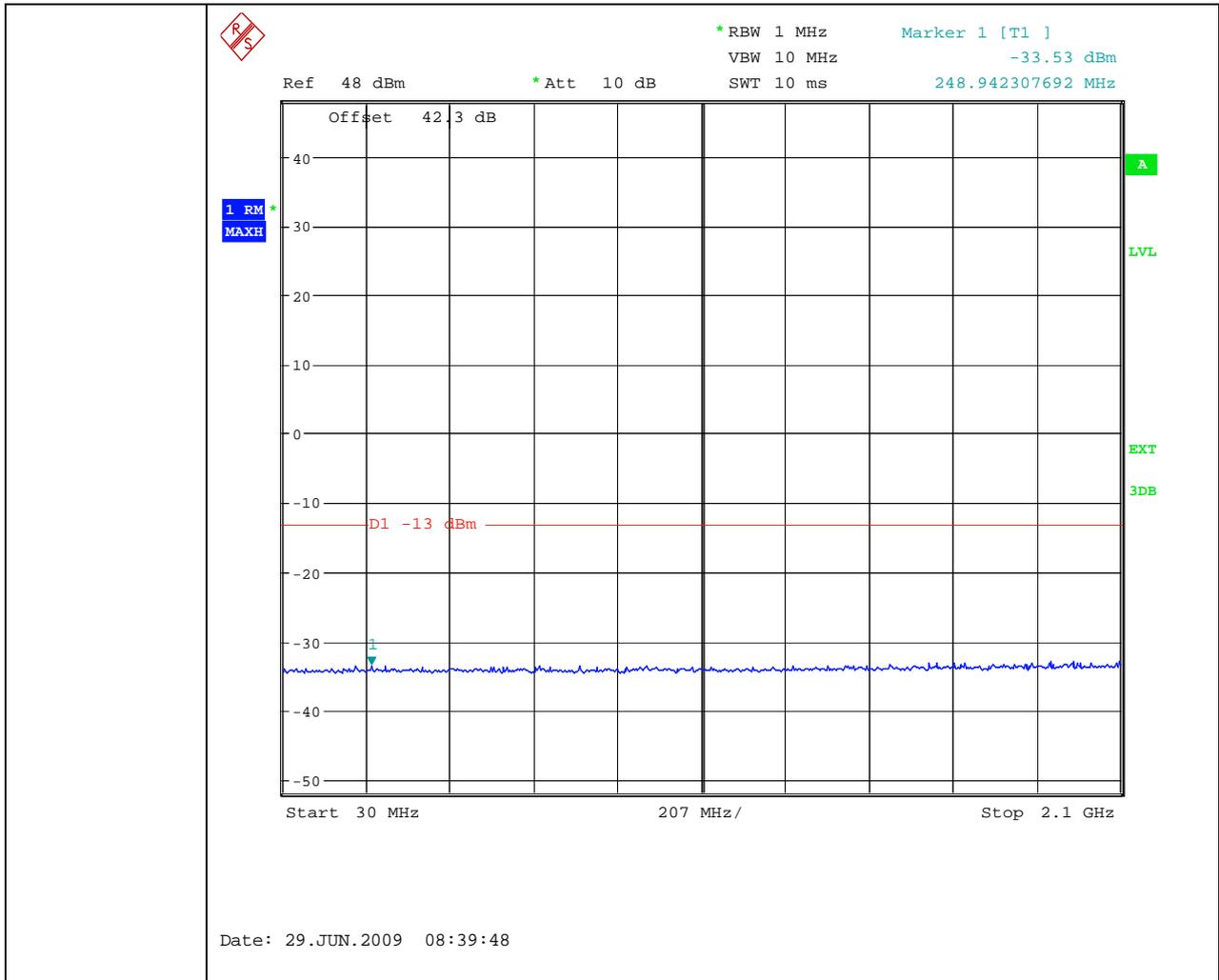


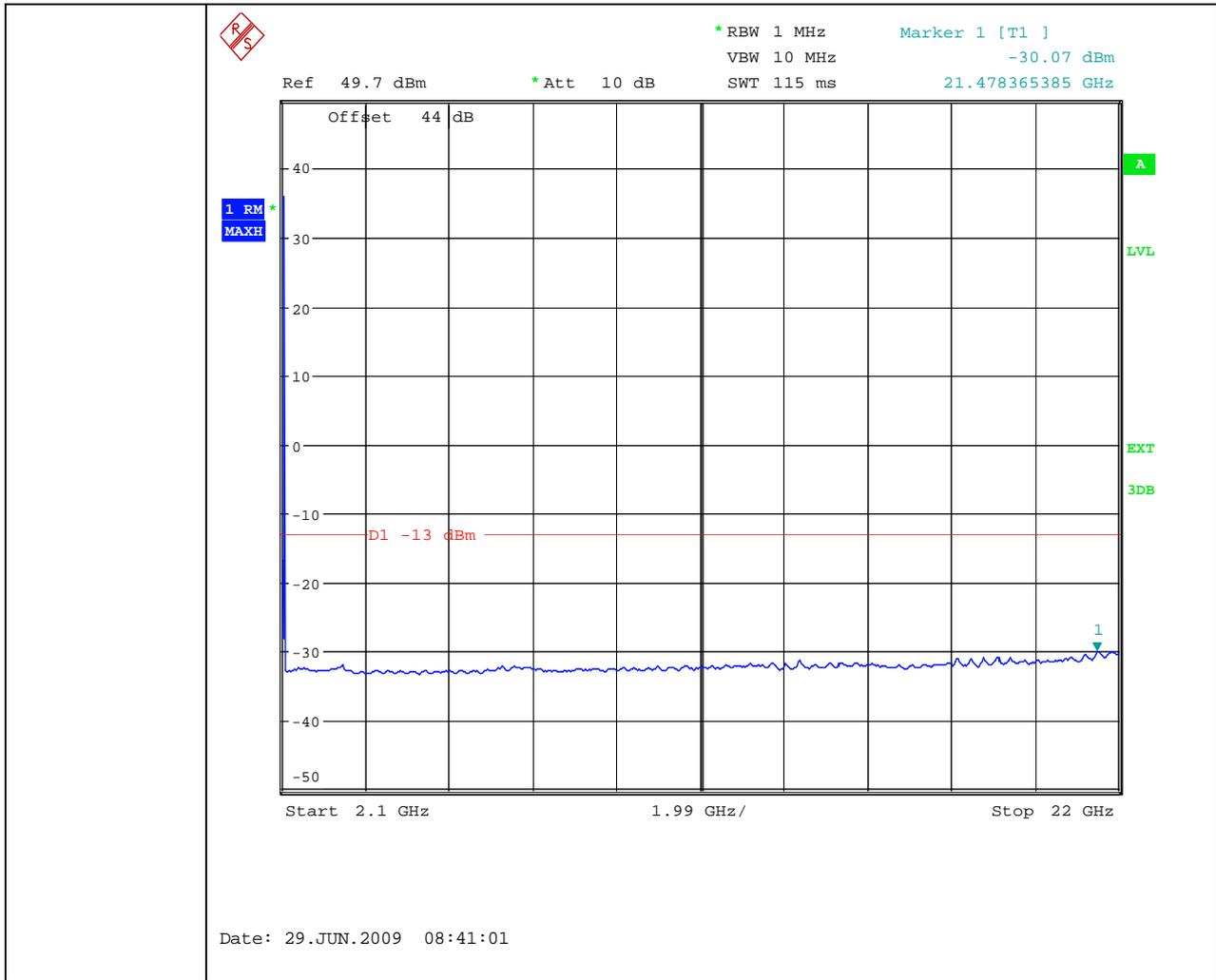
\*RBW 1 kHz      Marker 1 [T1 ]  
VBW 10 kHz      -26.39 dBm  
SWT 145 ms      34.307692308 kHz



Date: 29.JUN.2009 08:38:03









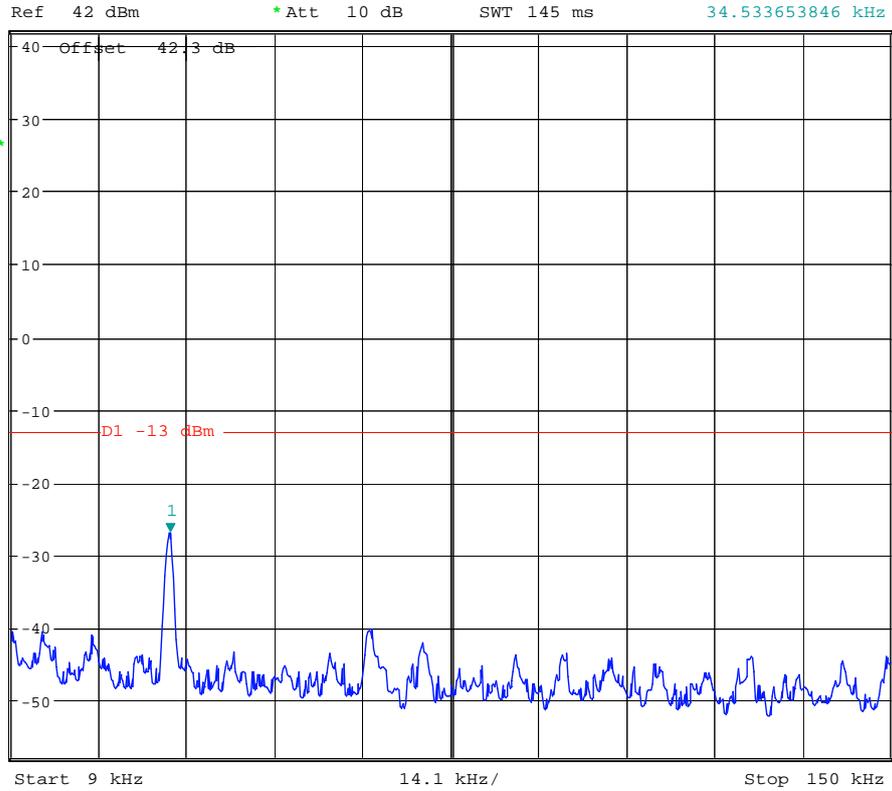
# Three Carriers

No.1537/1562/  
1587

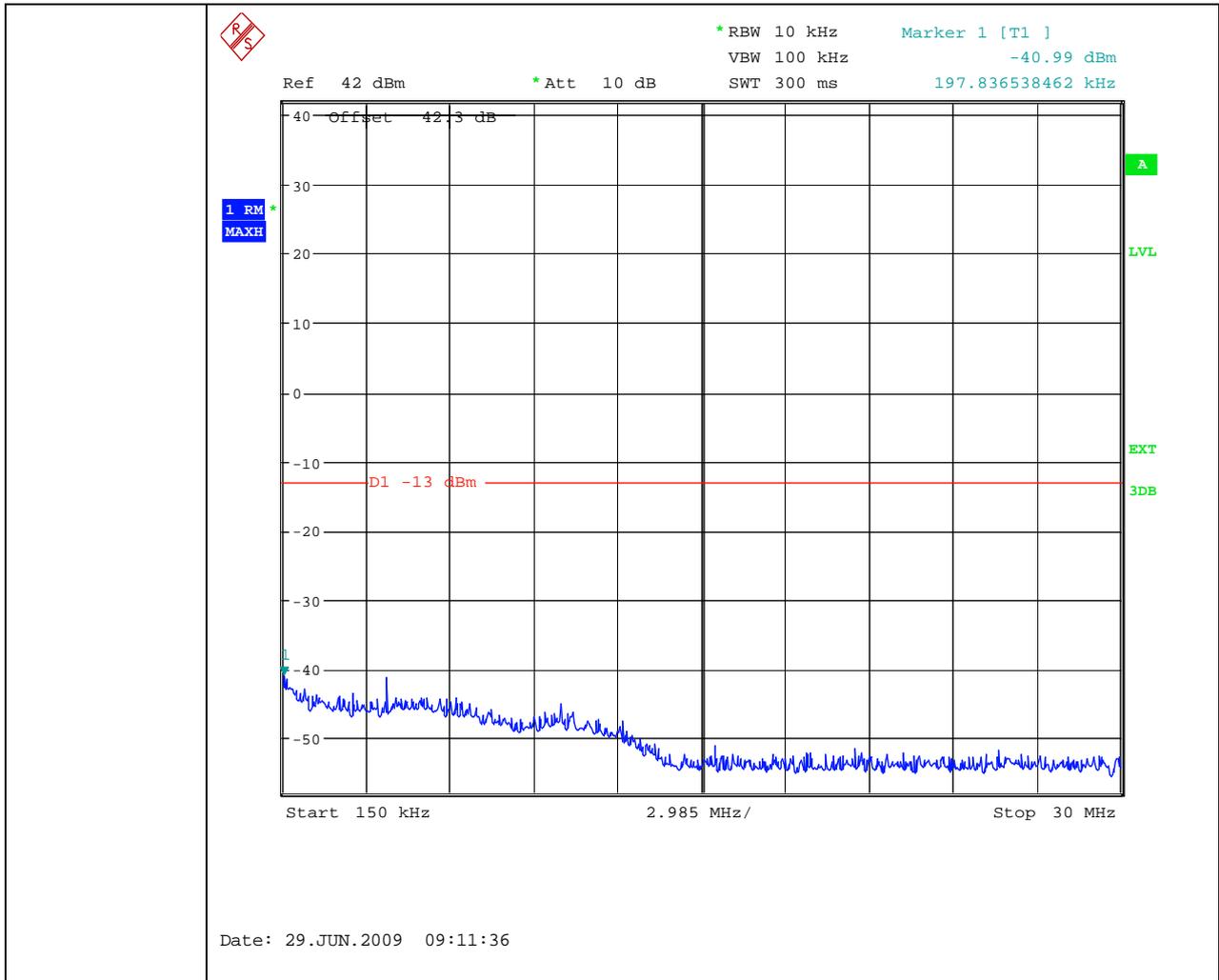
2112.4MHz/21  
17.4MHz/2122  
.4MHz

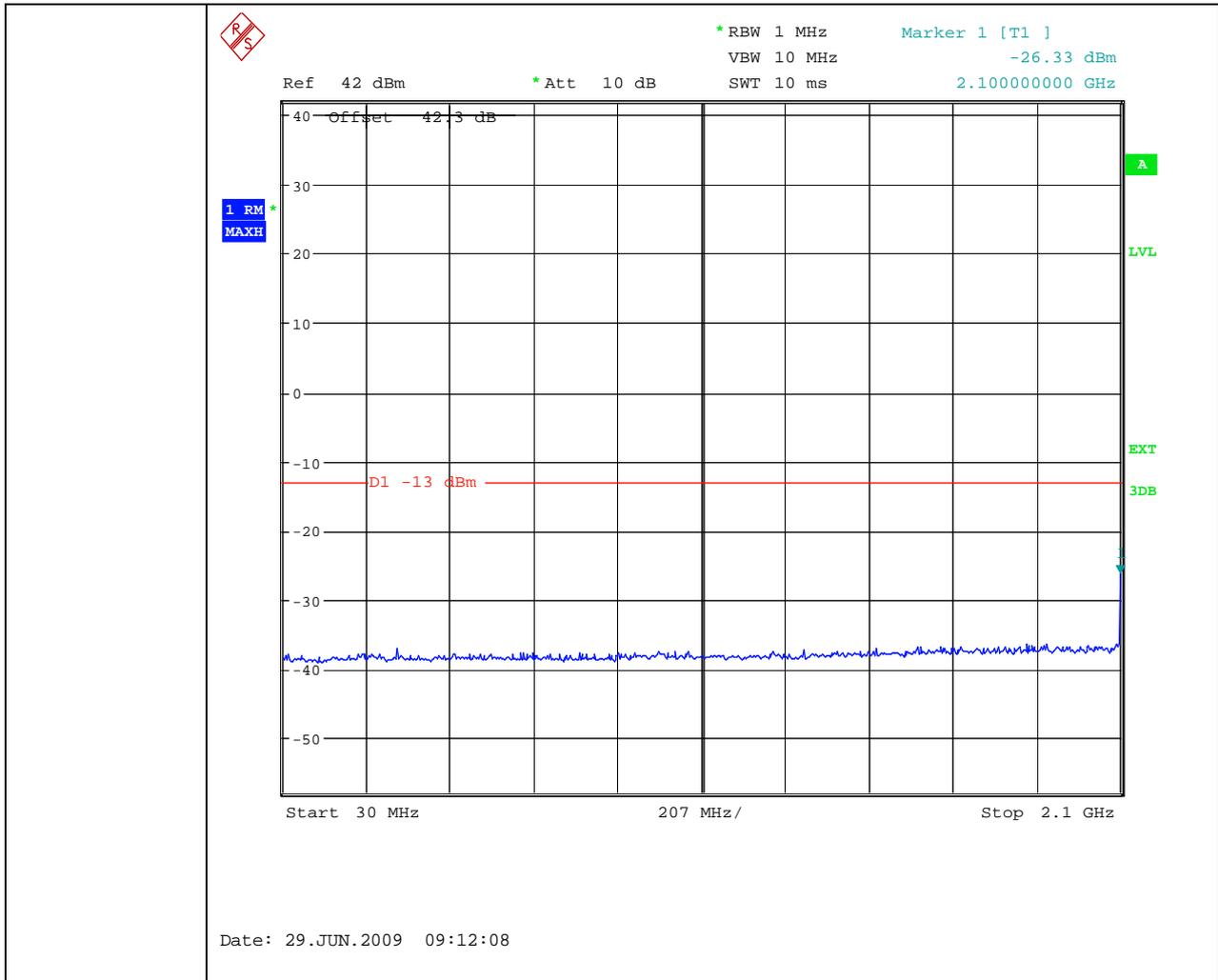


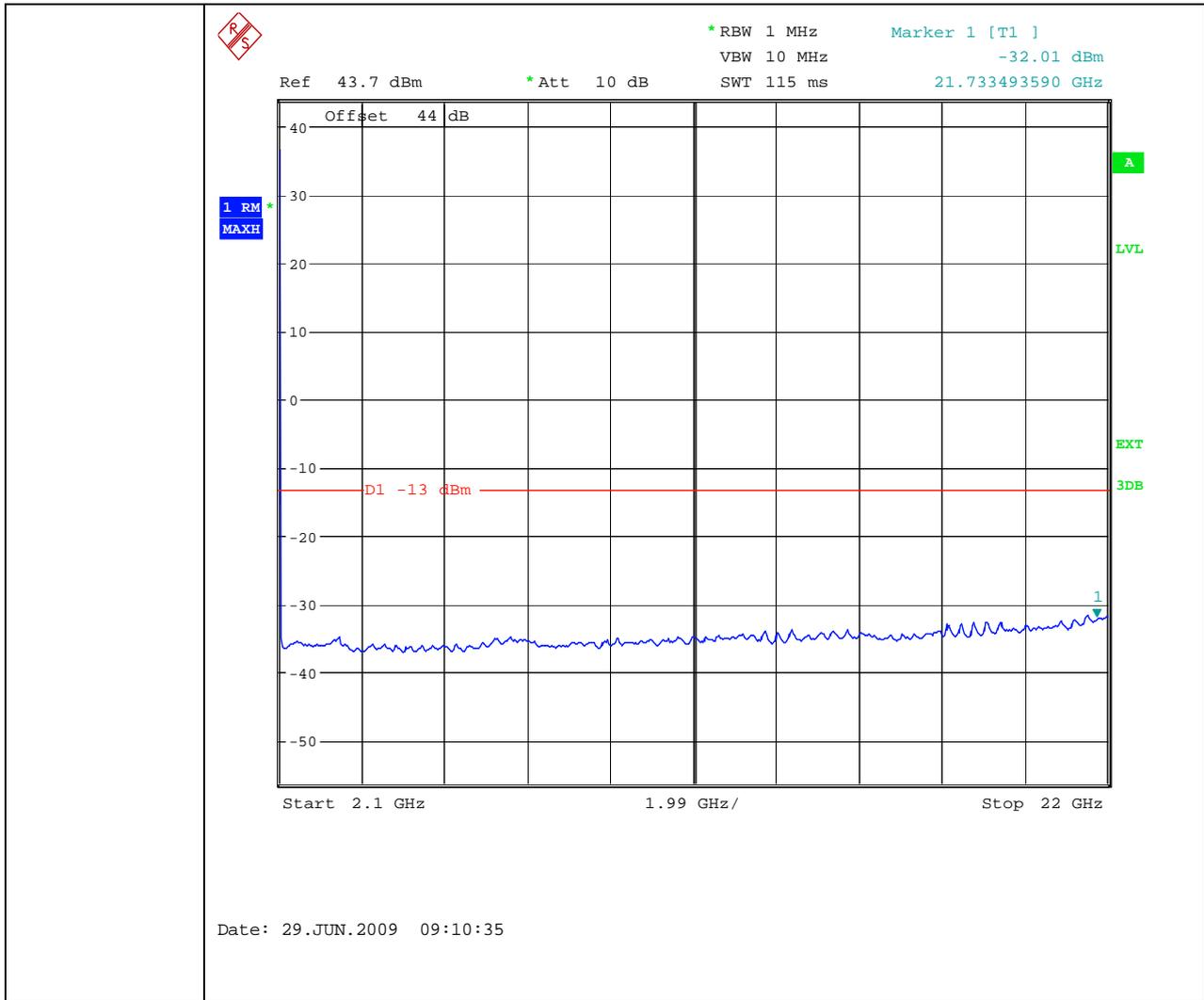
\*RBW 1 kHz      Marker 1 [T1 ]  
 VBW 10 kHz      -27.03 dBm  
 SWT 145 ms      34.533653846 kHz



Date: 29.JUN.2009 09:11:13







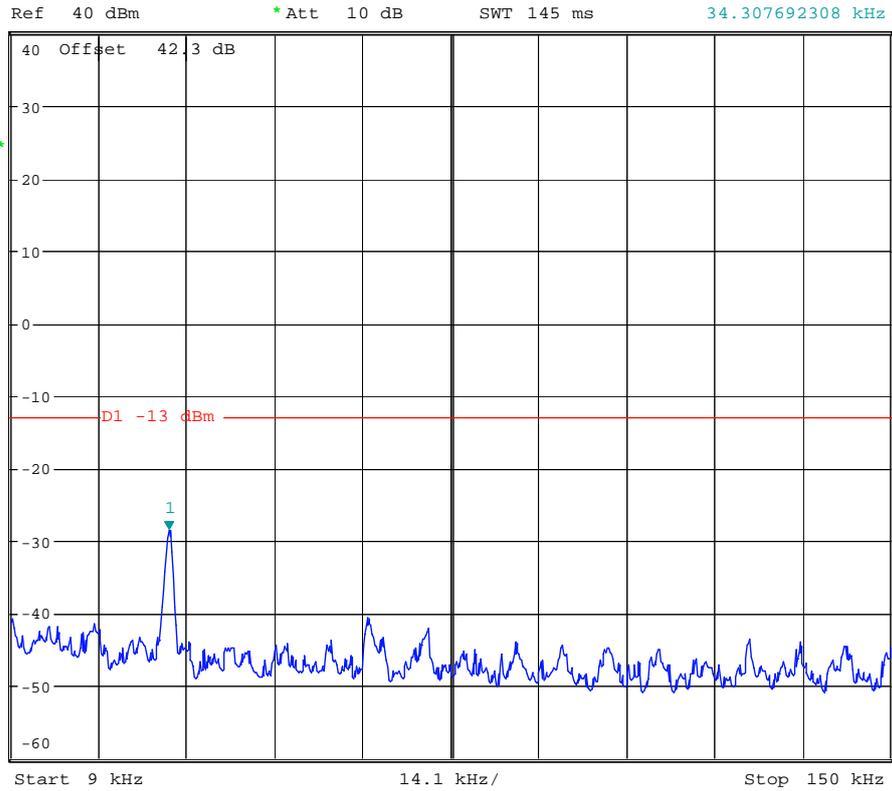


No.1615/1640/  
1665

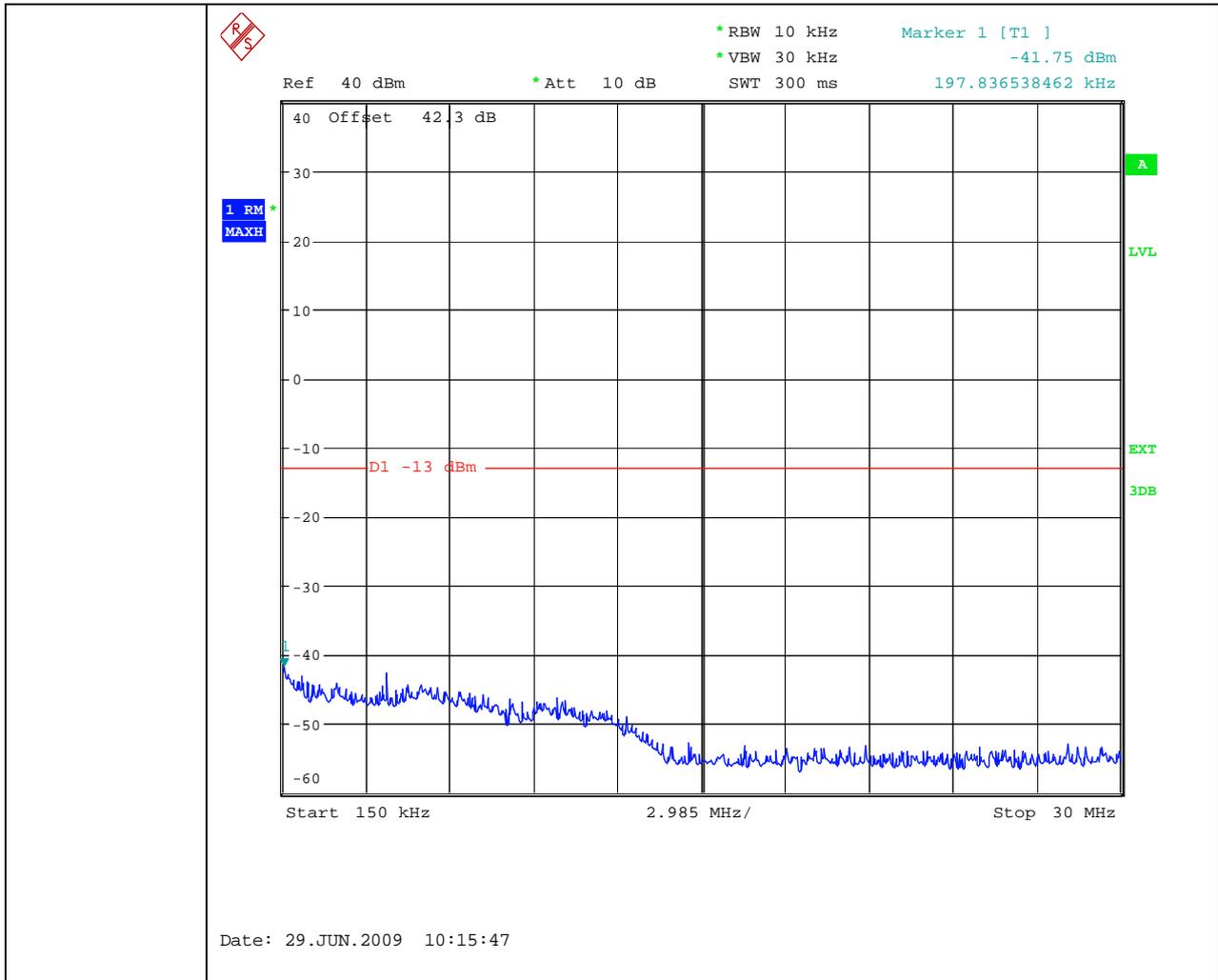
2128MHz/213  
3MHz/2138M  
Hz



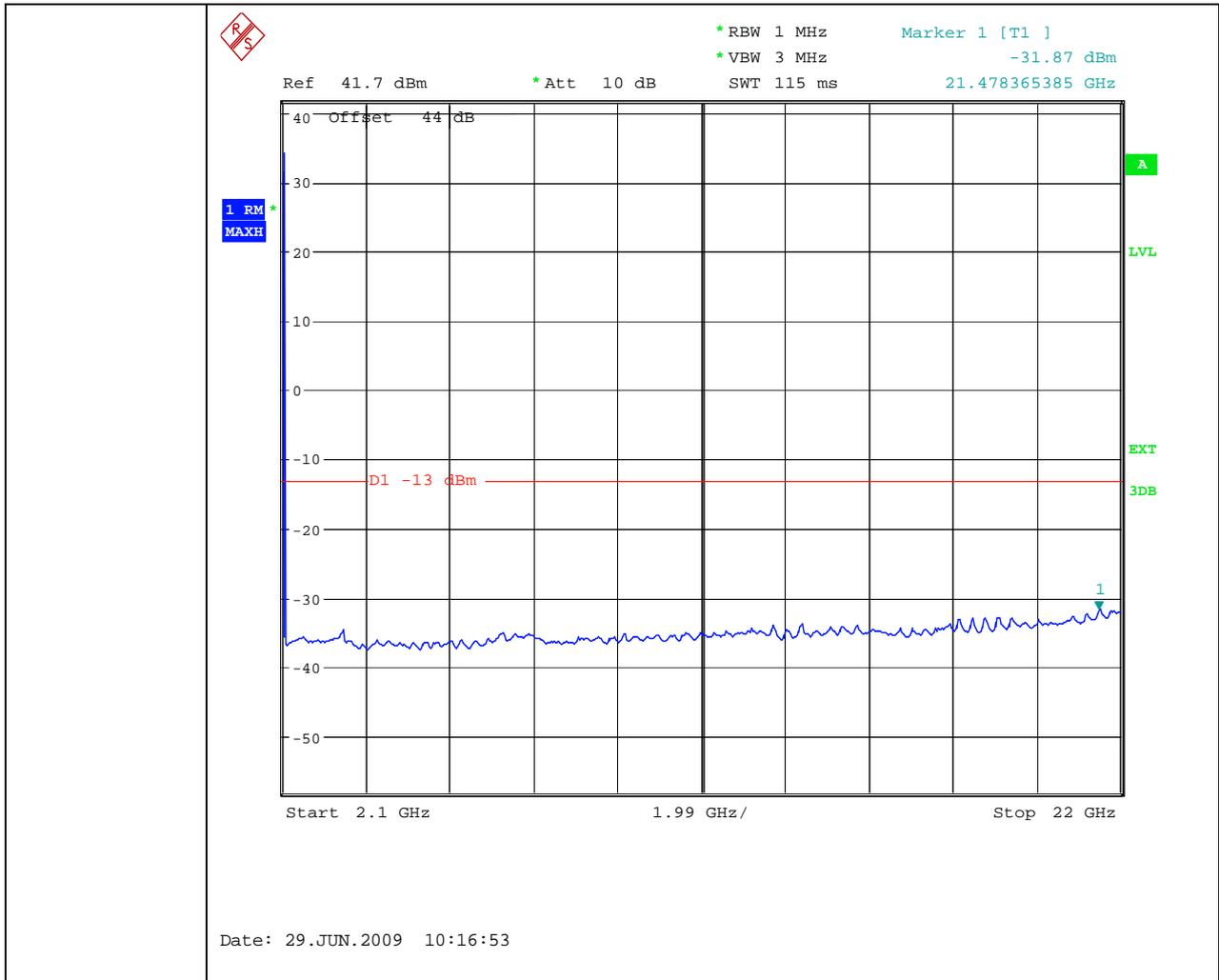
\*RBW 1 kHz      Marker 1 [T1 ]  
\*VBW 3 kHz      -28.55 dBm  
SWT 145 ms      34.307692308 kHz



Date: 29.JUN.2009 10:15:22





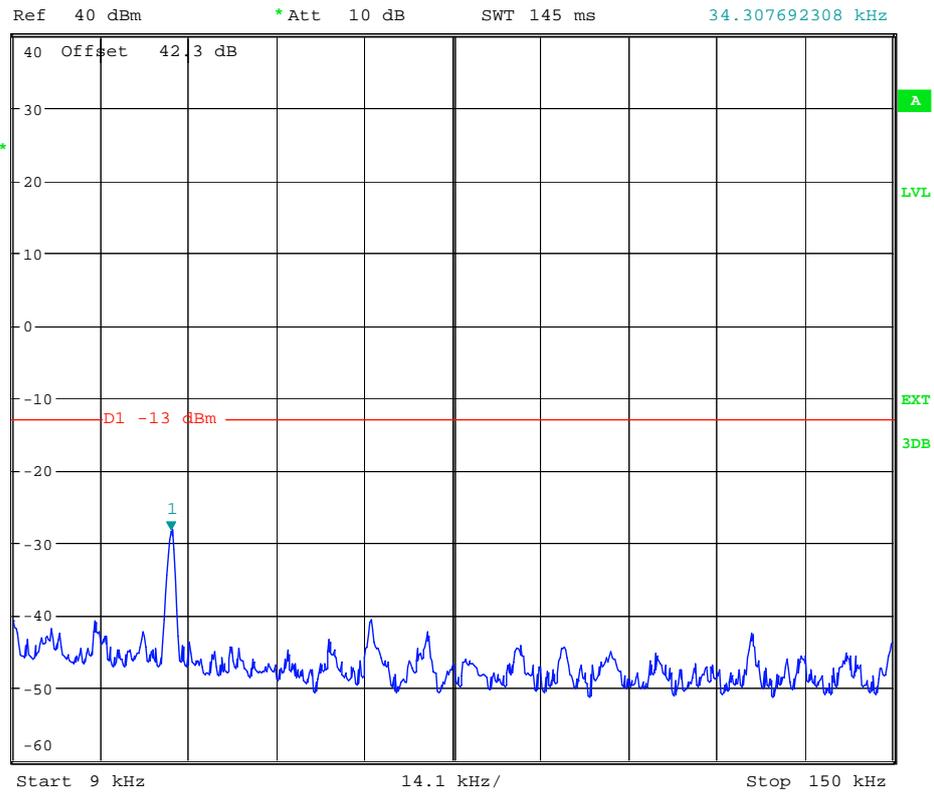




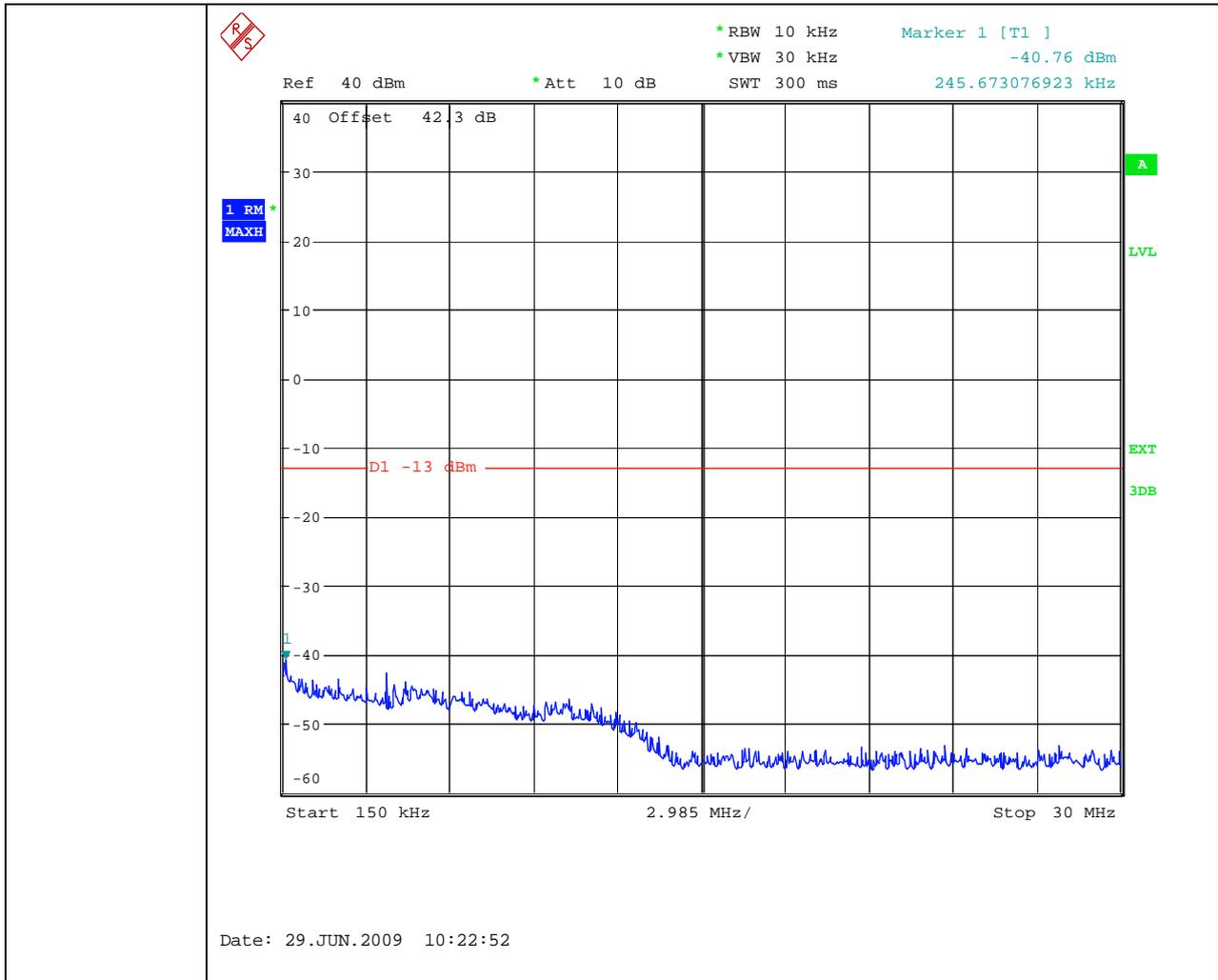
No:1688/1713/  
 1738  
 2142.6MHz/M  
 Hz/2147.6MHz  
 /  
 2152.6MHz

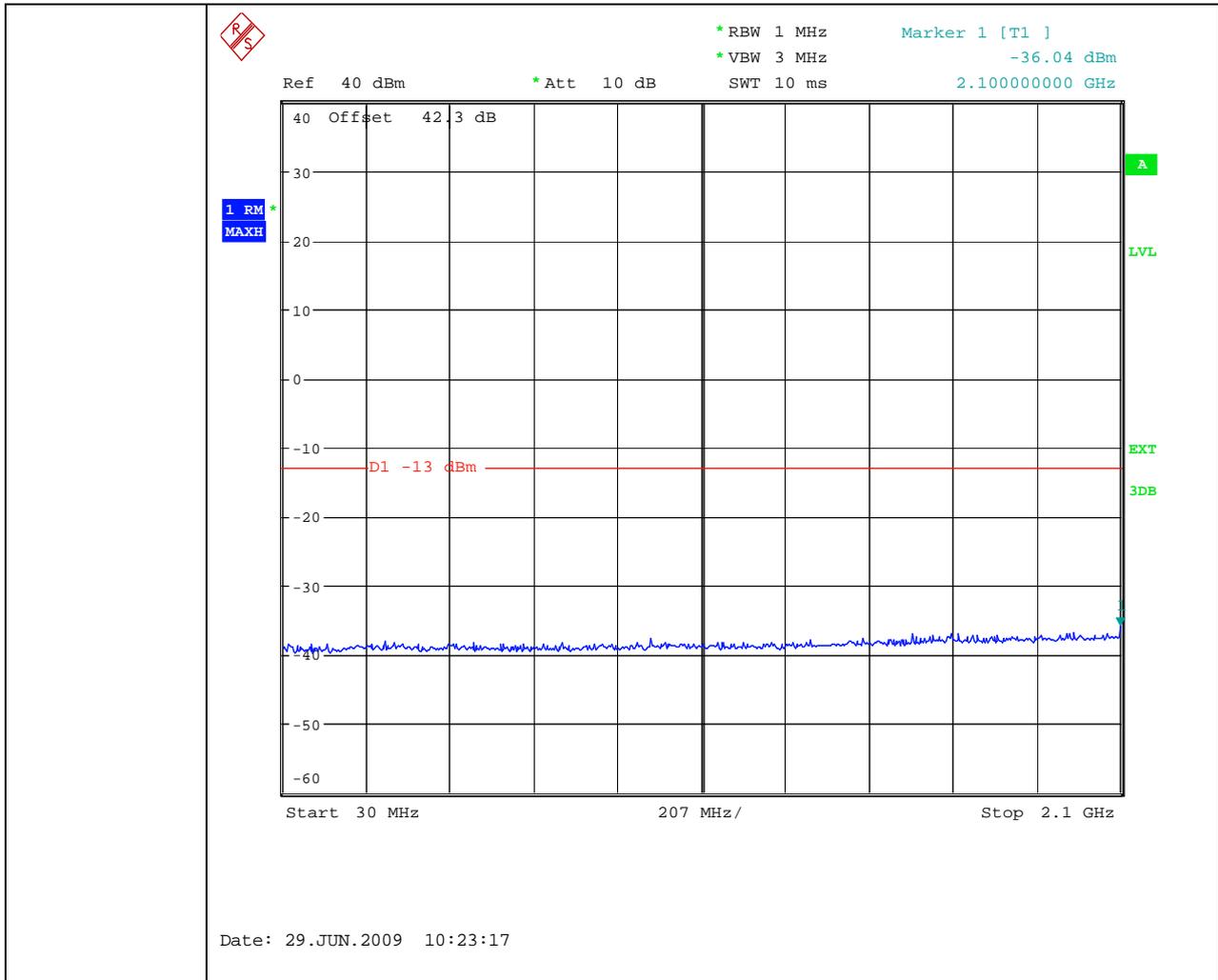


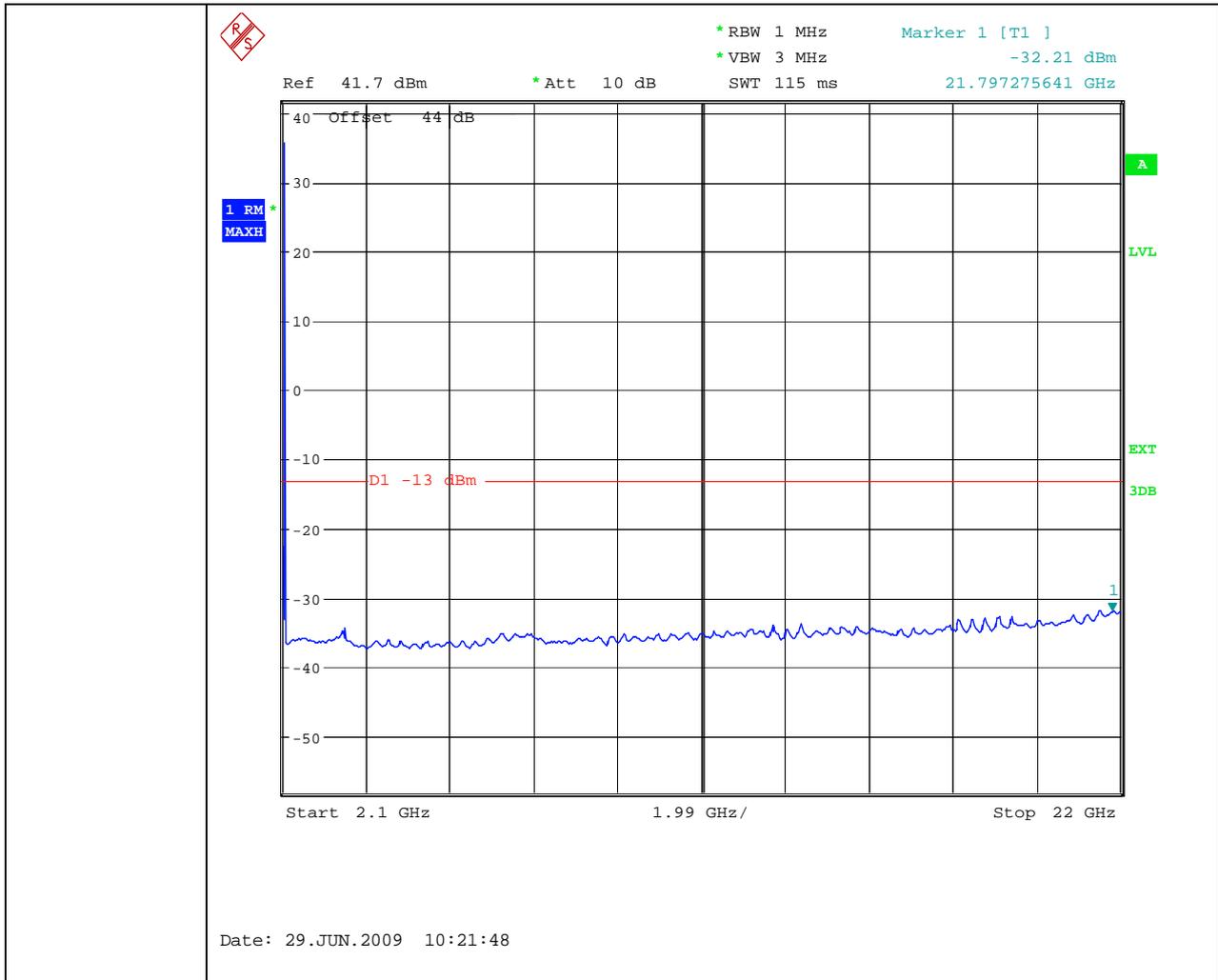
\*RBW 1 kHz      Marker 1 [T1 ]  
 \*VBW 3 kHz      -28.44 dBm  
 SWT 145 ms      34.307692308 kHz



Date: 29.JUN.2009 10:22:30









# Four Carriers

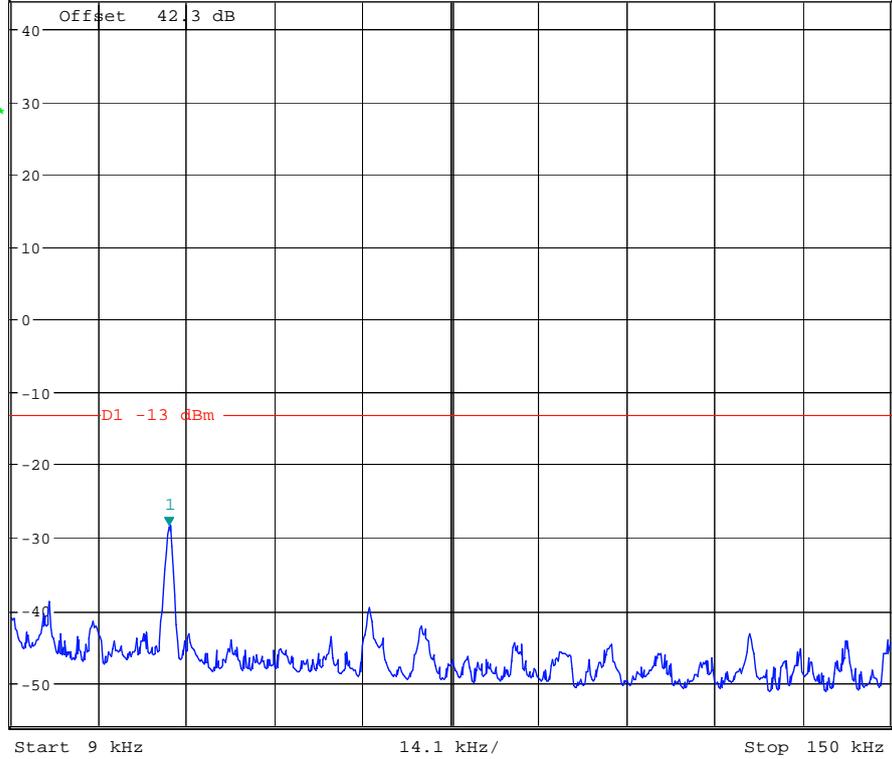
No.1537/1562/  
 1587/1612

2112.4MHz/21  
 17.4MHz/2122  
 .4MHz/2127.4  
 MHz

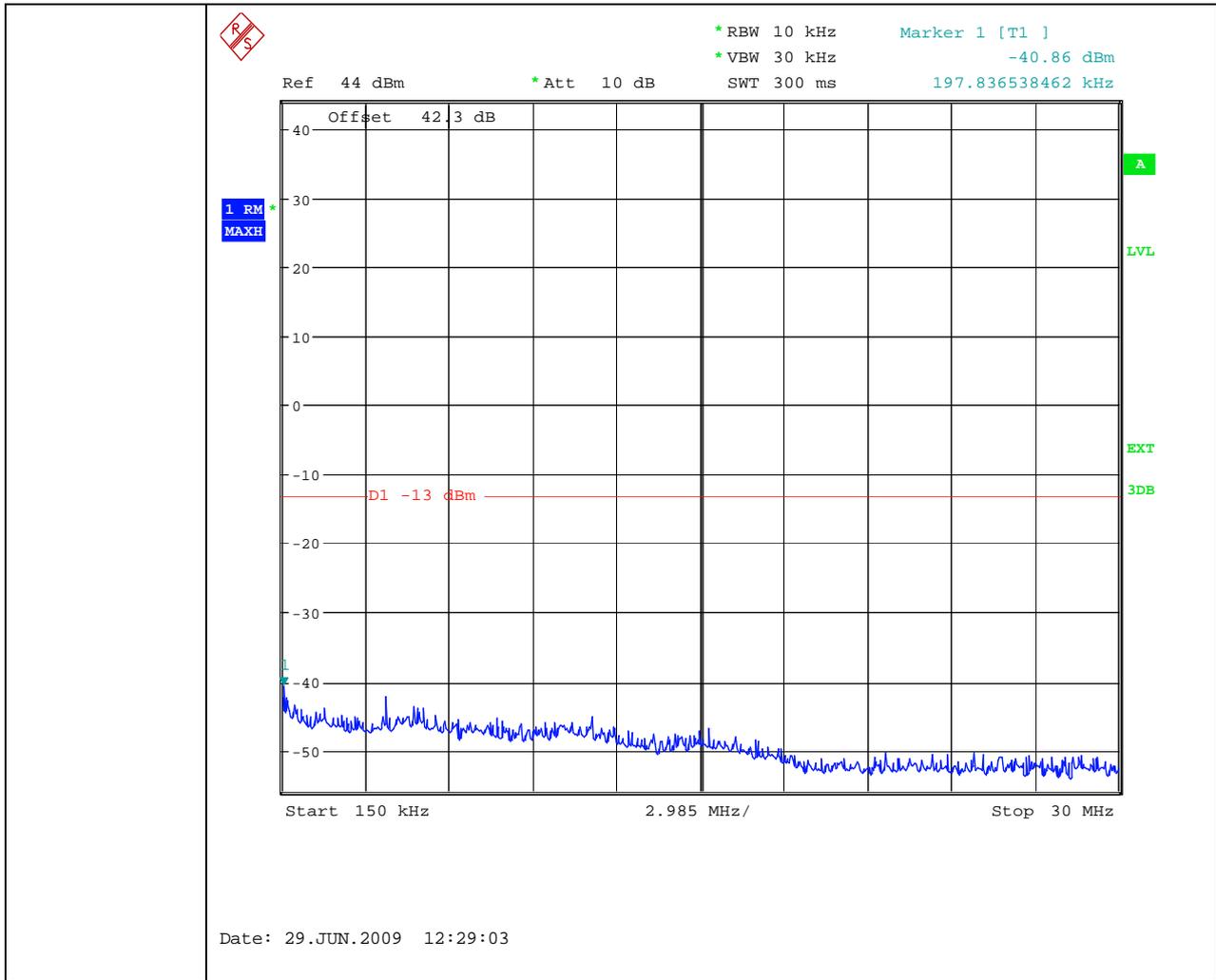


\*RBW 1 kHz      Marker 1 [T1 ]  
 \*VBW 3 kHz      -28.49 dBm  
 Ref 44 dBm      \*Att 10 dB      SWT 145 ms      34.307692308 kHz

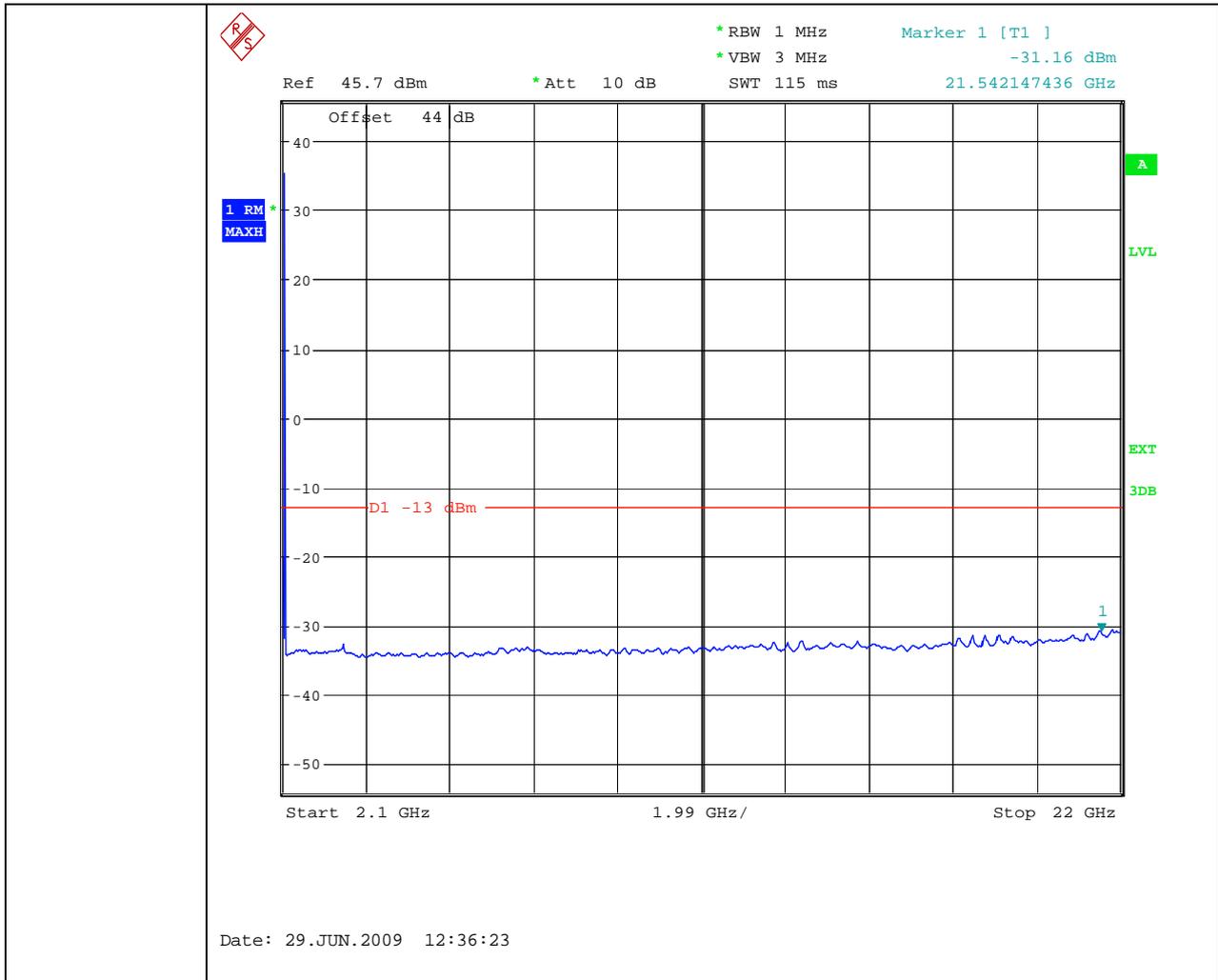
1 RM \*  
 MAXH



Date: 29.JUN.2009 12:28:37







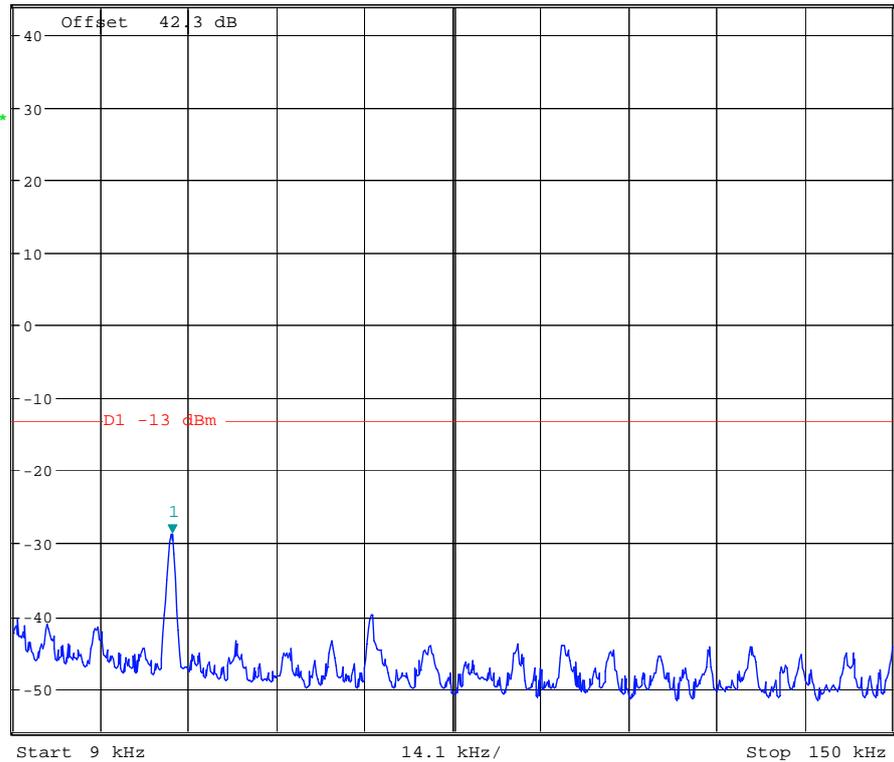


No:1663/1688/  
 1713/1738  
 2137.6MHz/21  
 42.6MHz/  
 2147.6MHz/21  
 52.6MHz

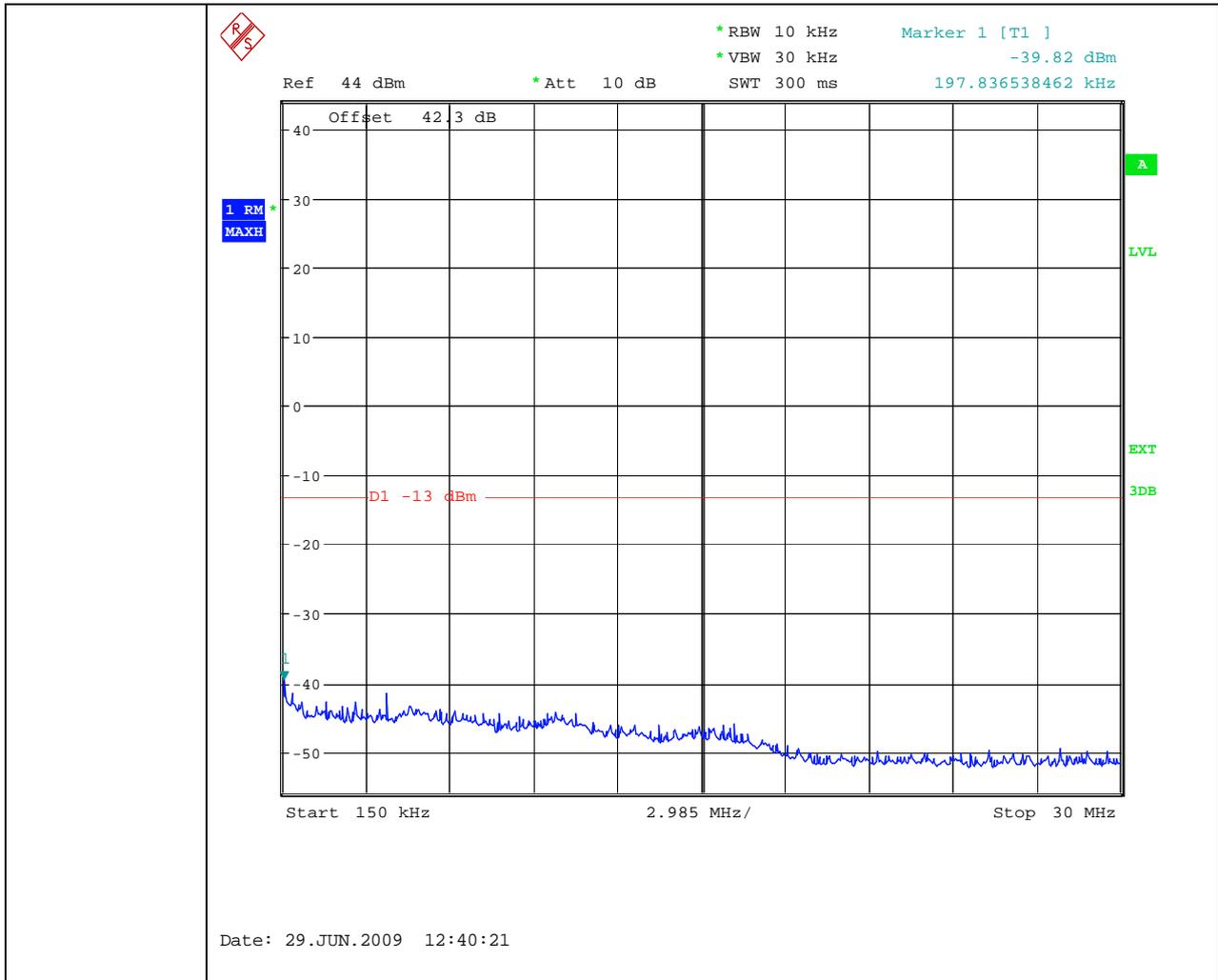


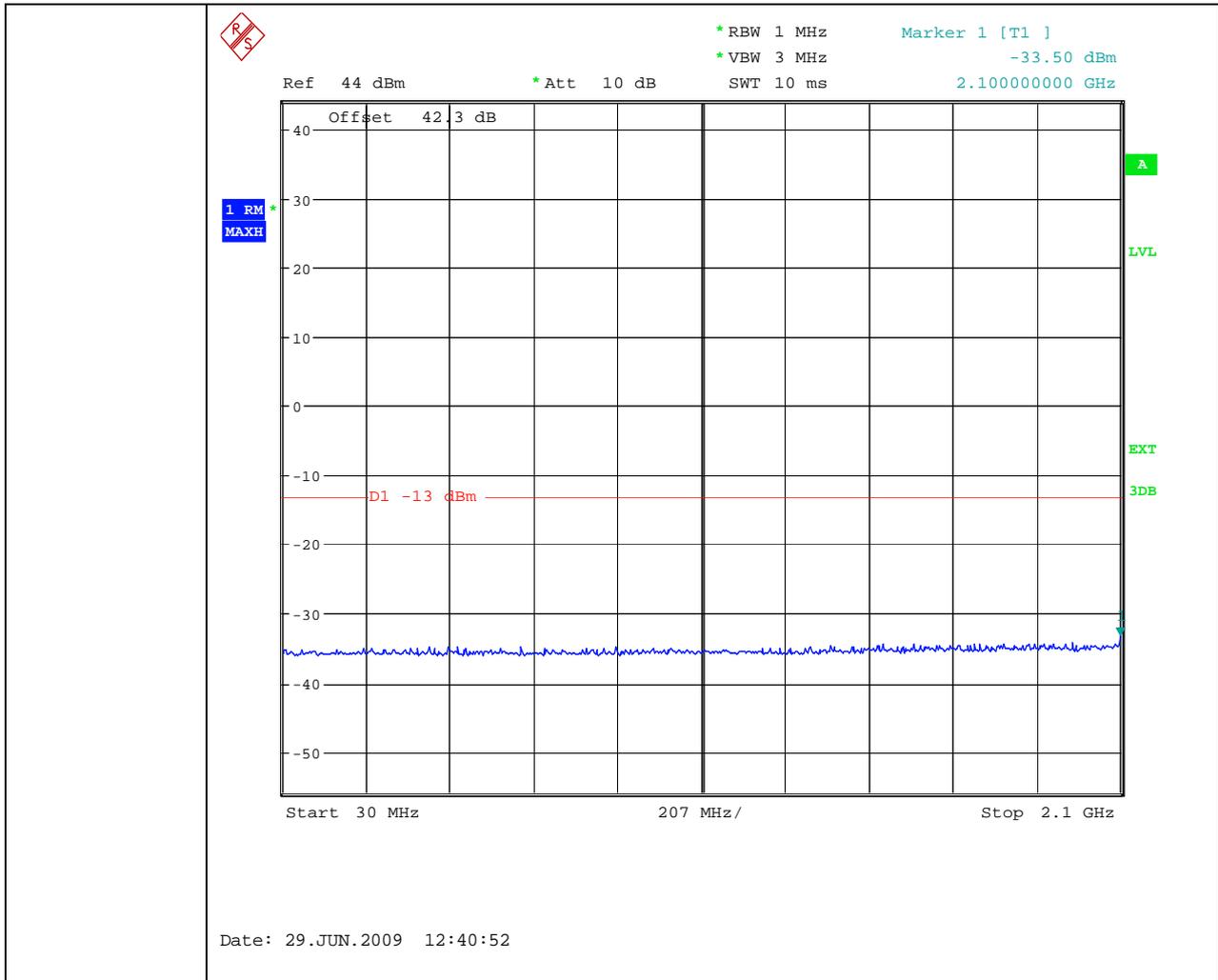
\*RBW 1 kHz  
 \*VBW 3 kHz  
 Ref 44 dBm \*Att 10 dB SWT 145 ms  
 Marker 1 [T1 ]  
 -28.88 dBm  
 34.533653846 kHz

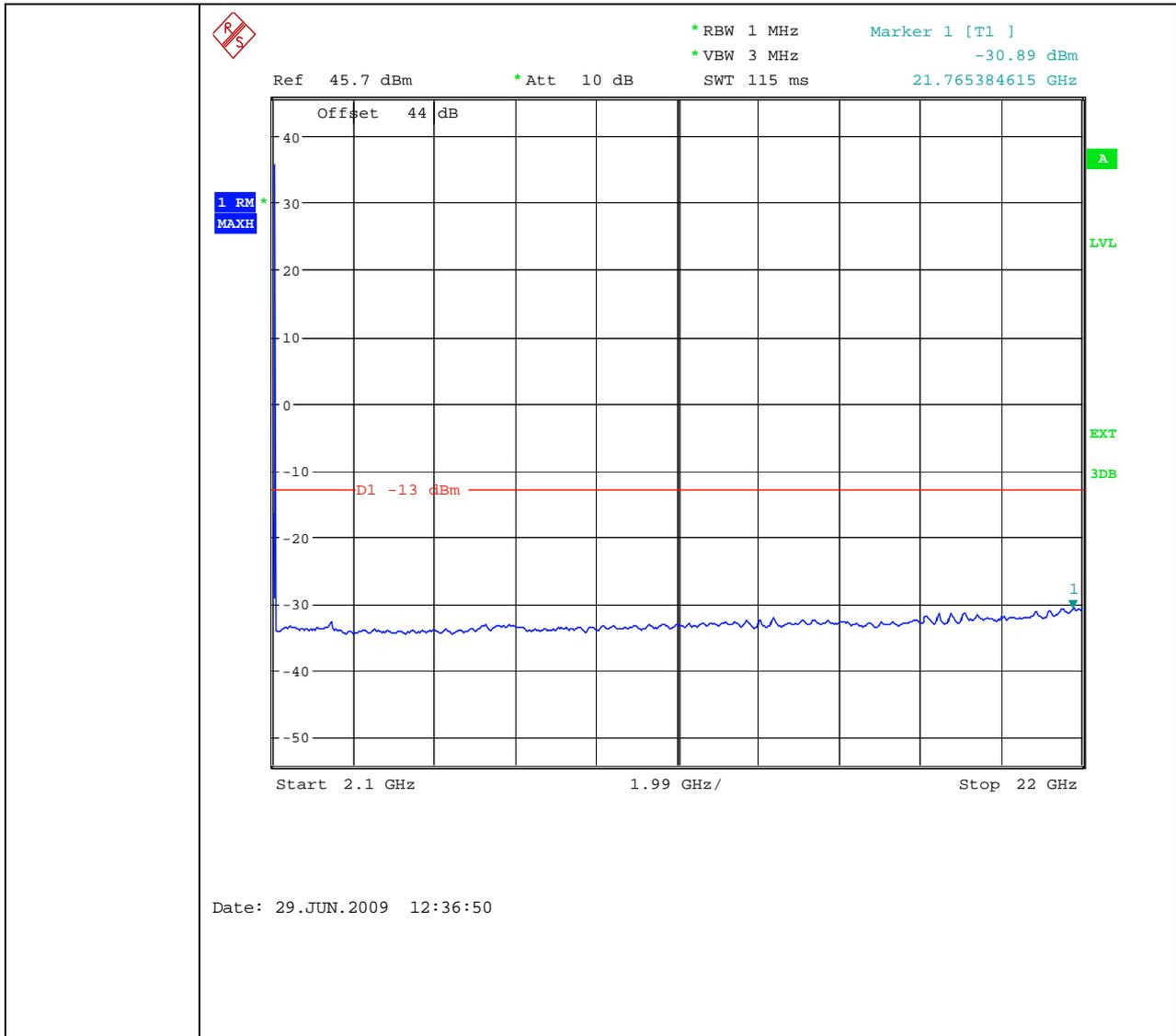
1 RM  
 MAXH



Date: 29.JUN.2009 12:37:26





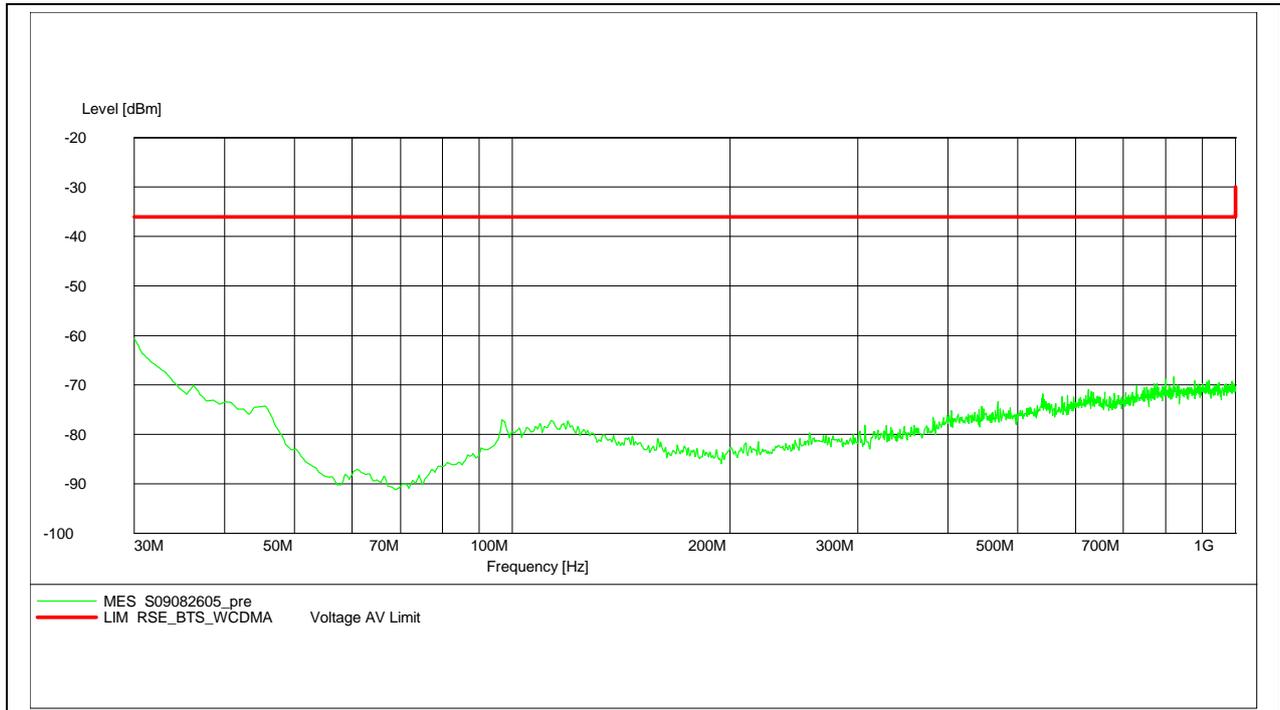




## 6 APPENDIX F- RADIATED SPURIOUS EMISSIONS



## Below 1GHz:





## Above 1GHz:

