



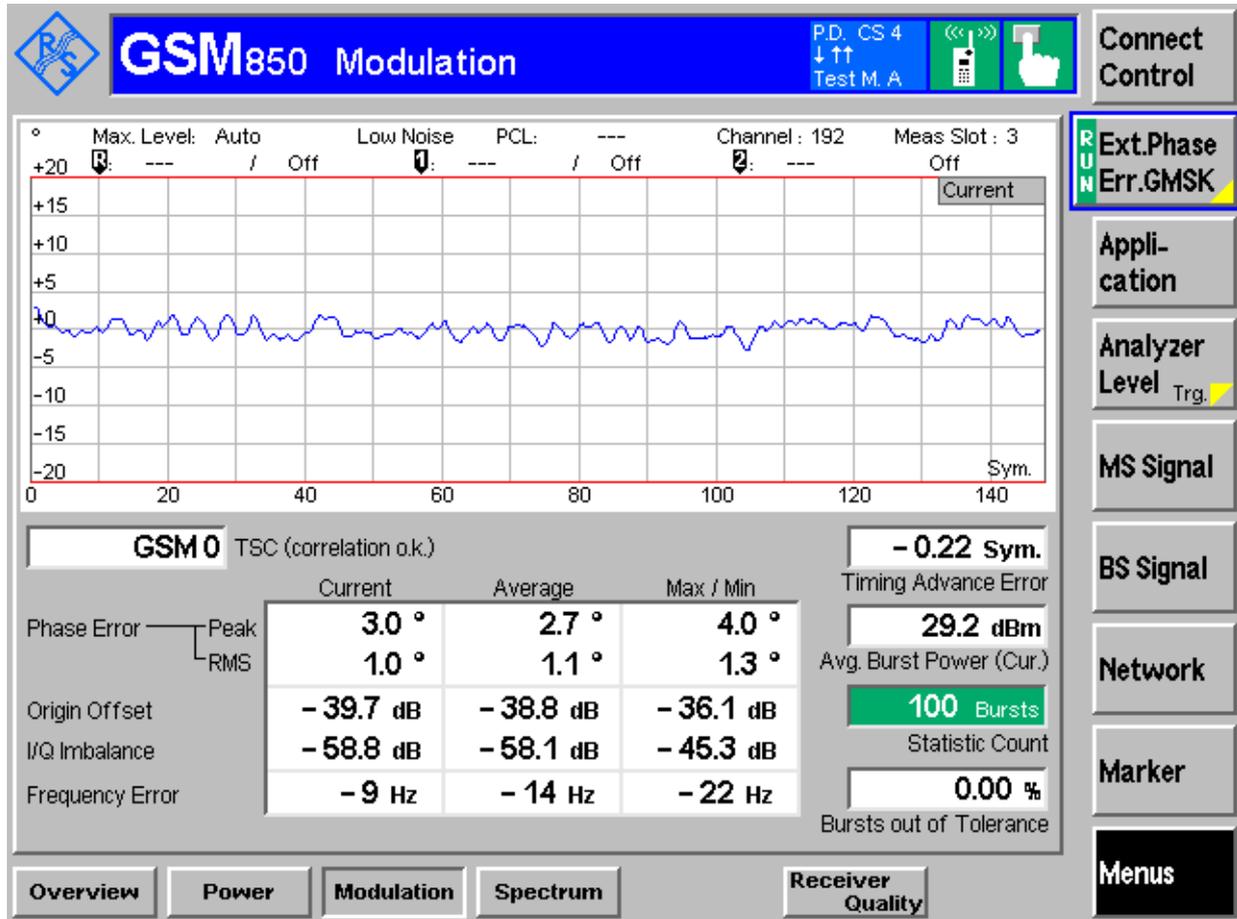
Appendix A

Modulation Characteristics

According to FCC Part 2.1047 & Part22 Subpart H

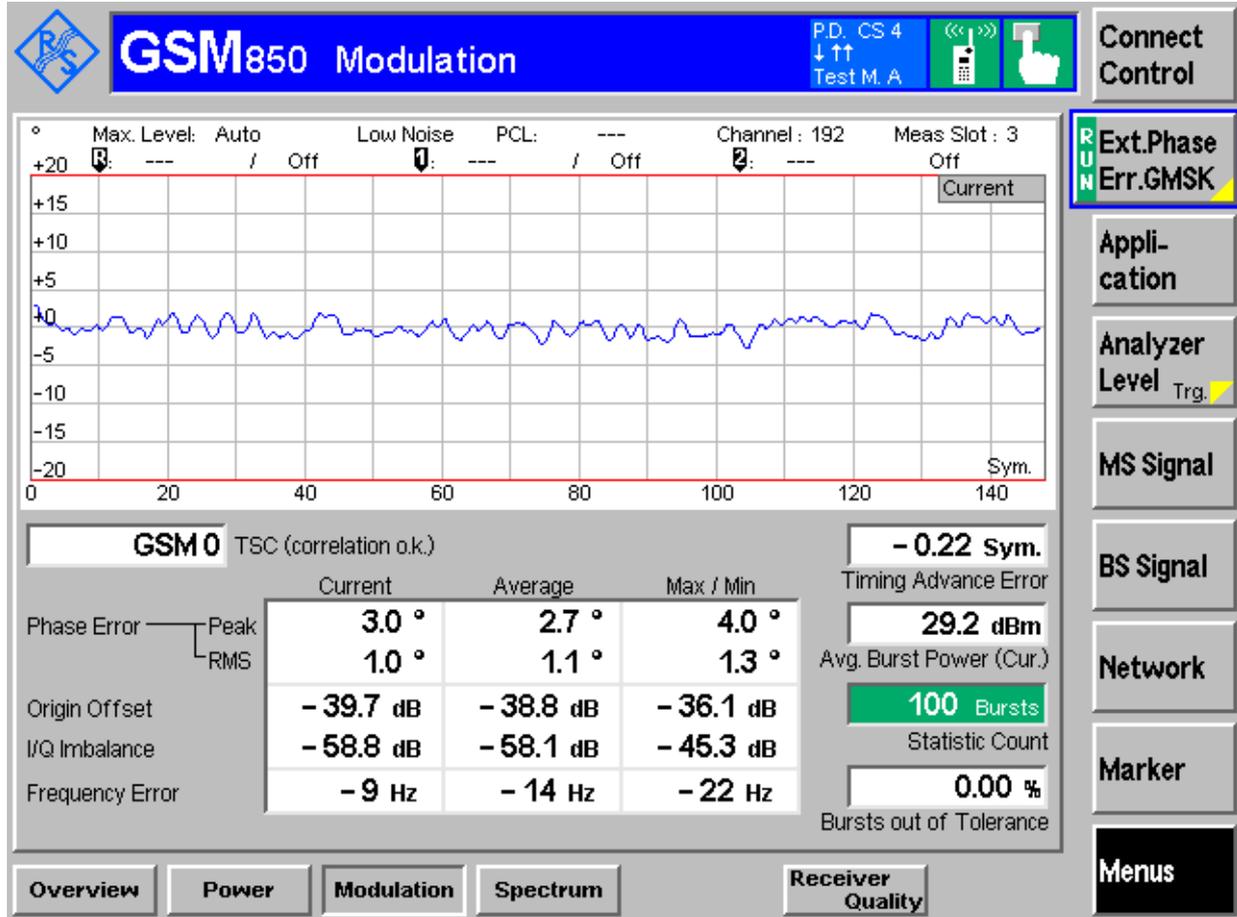


TM1:GPRS/GSM Channel 192



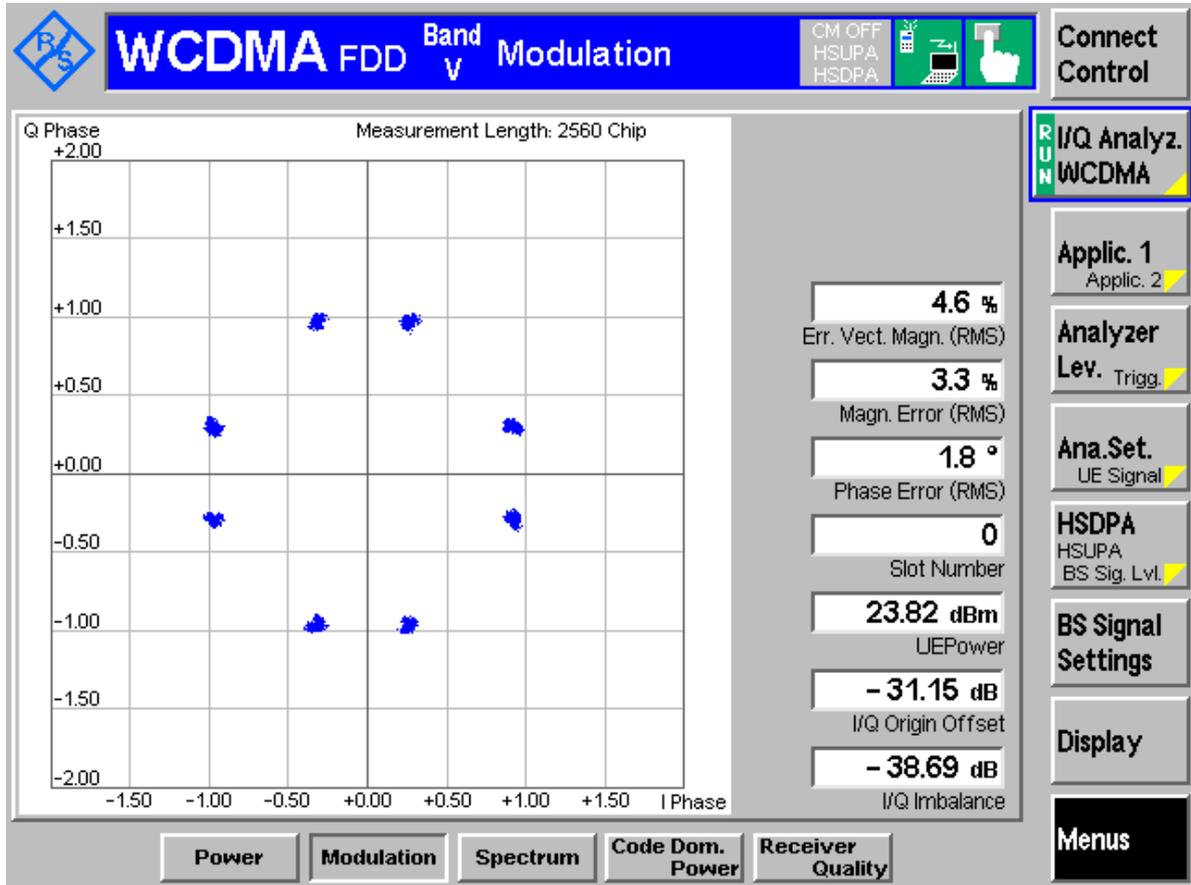


TM2:EDGE Channel 192





TM3: WCDMA Channel 4182





Appendix B

Occupied Bandwidth

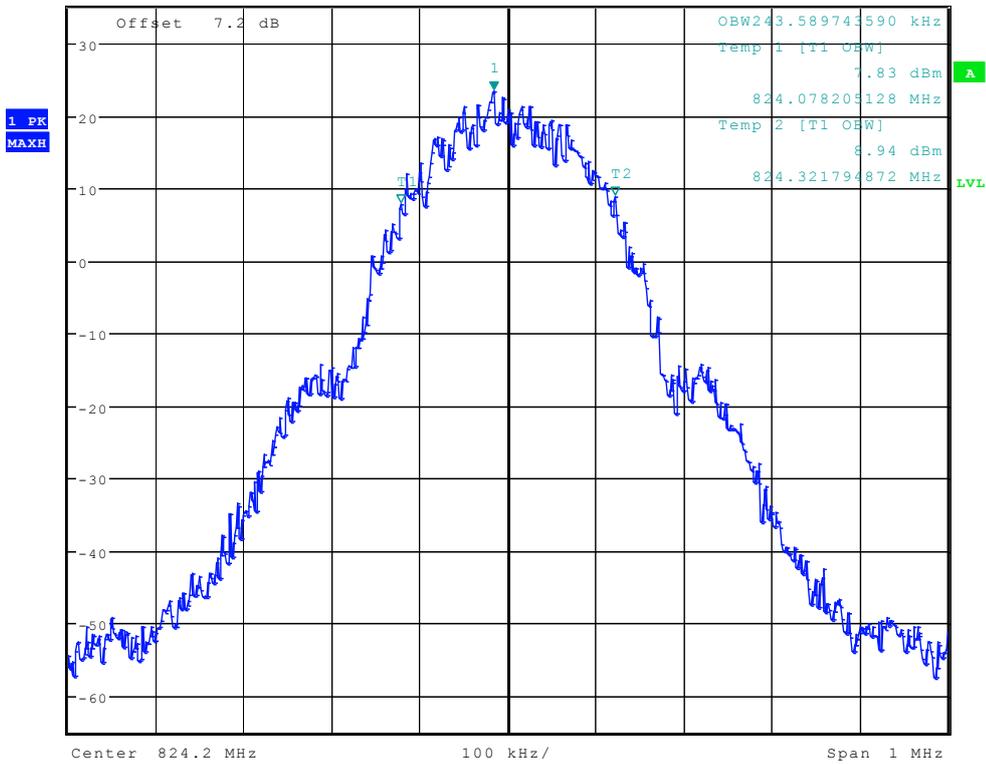
According to FCC Part 2.1049 & Part 22 Subpart H



TM1:GPRS/GSM Channel 128



*RBW 3 kHz Marker 1 [T1]
 *VBW 10 kHz 23.29 dBm
 Ref 35 dBm Att 35 dB SWT 115 ms 824.183974359 MHz

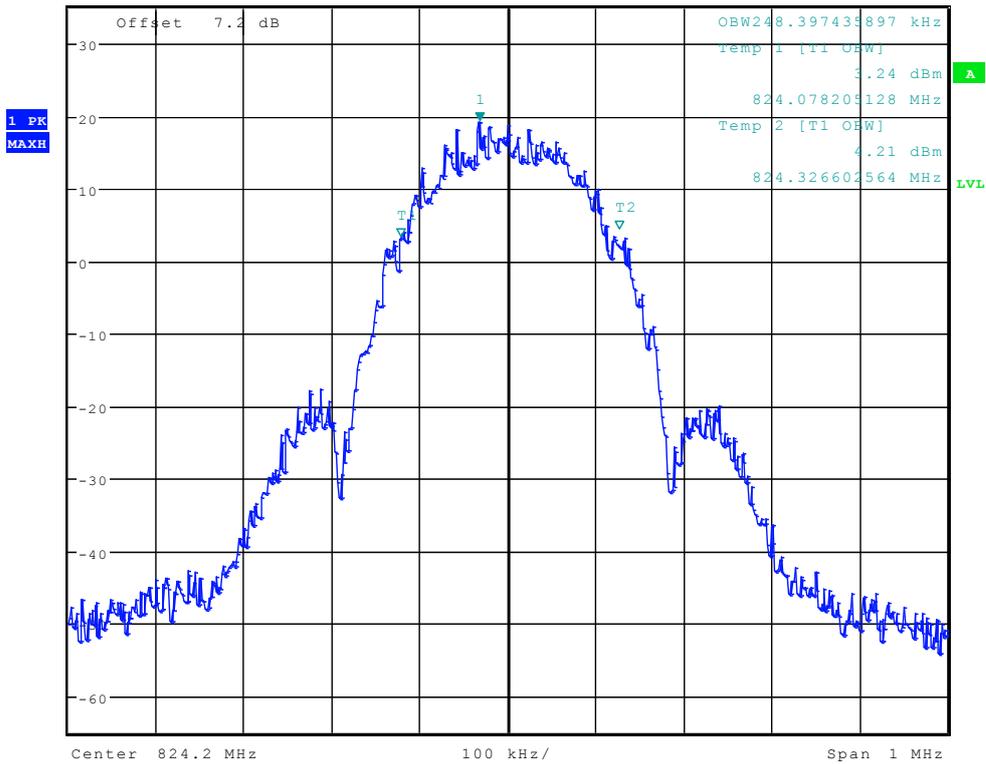




TM2:EDGE Channel 128

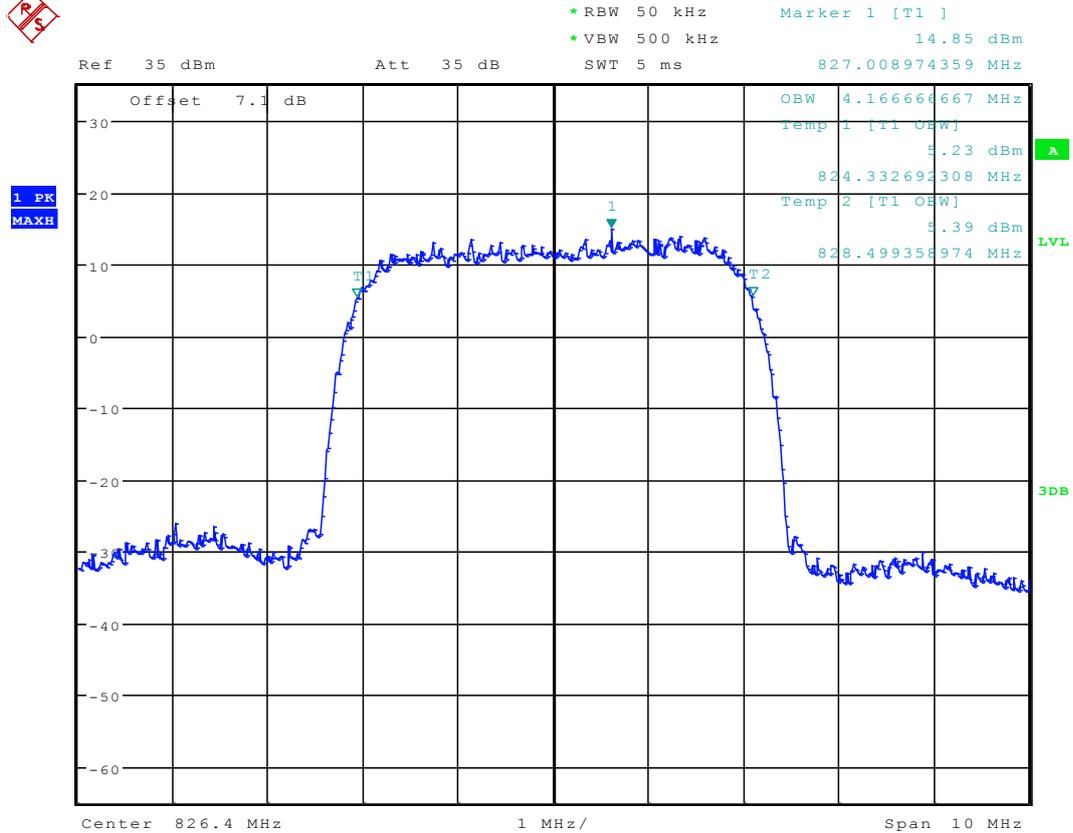


*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz 19.21 dBm
Ref 35 dBm Att 35 dB SWT 115 ms 824.167948718 MHz





TM3: WCDMA Channel 4132

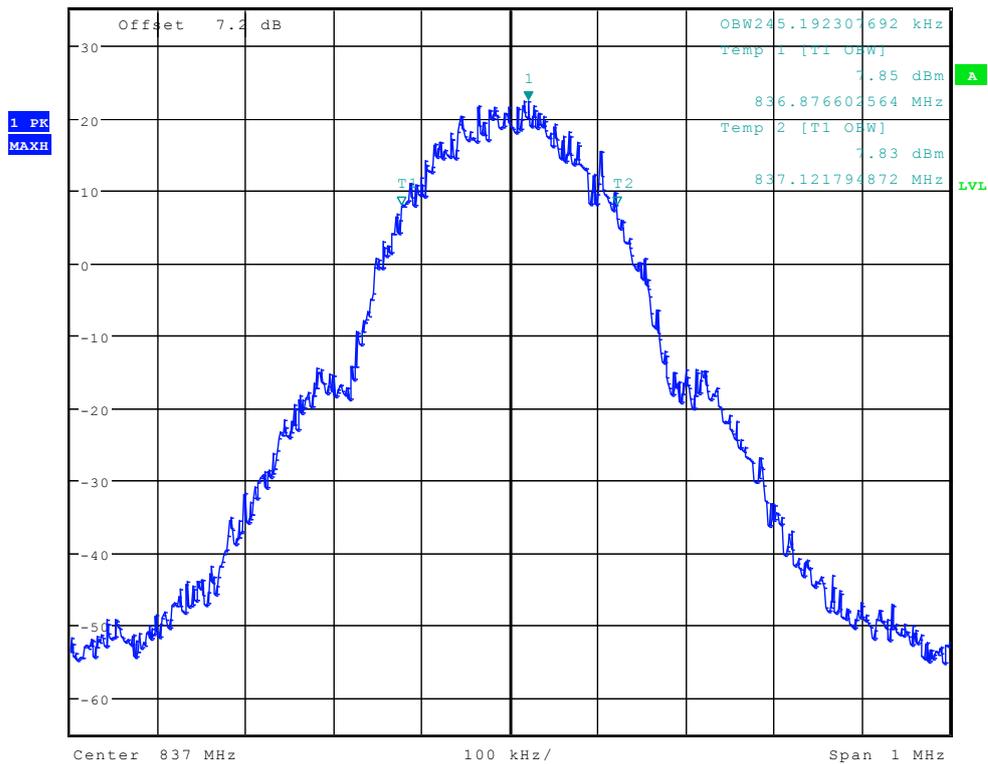




TM1:GPRS/GSM Channel 192

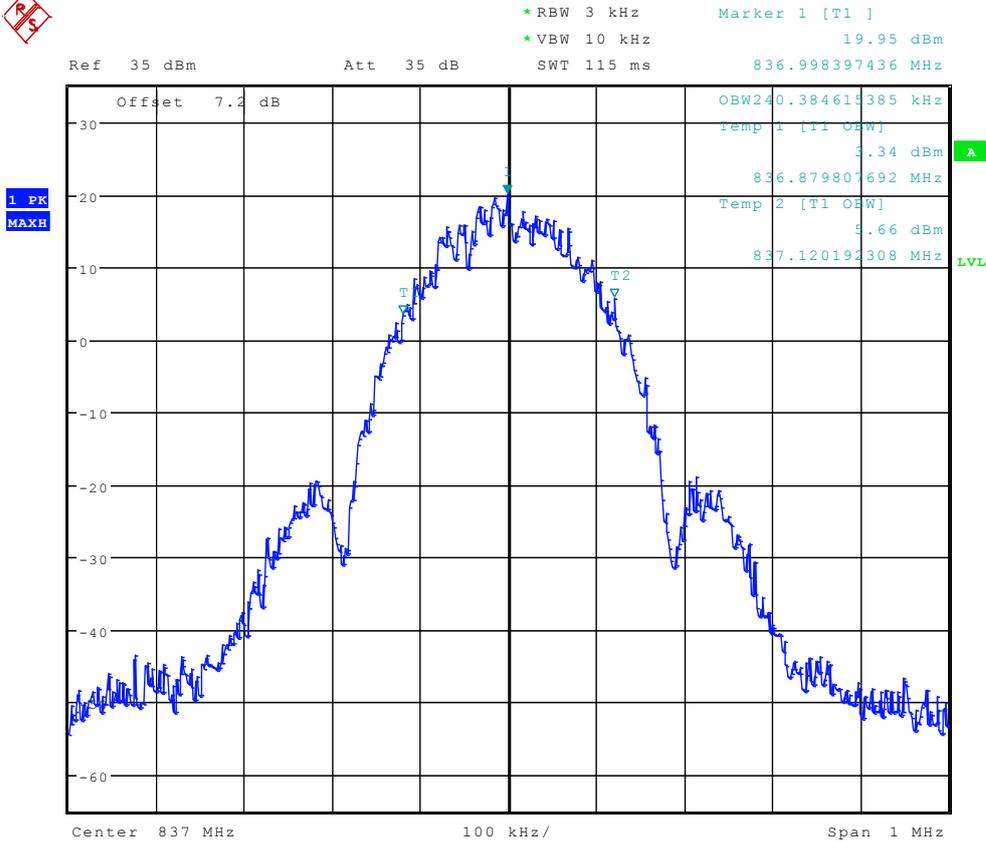


*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz 22.32 dBm
Ref 35 dBm Att 35 dB SWT 115 ms 837.020833333 MHz



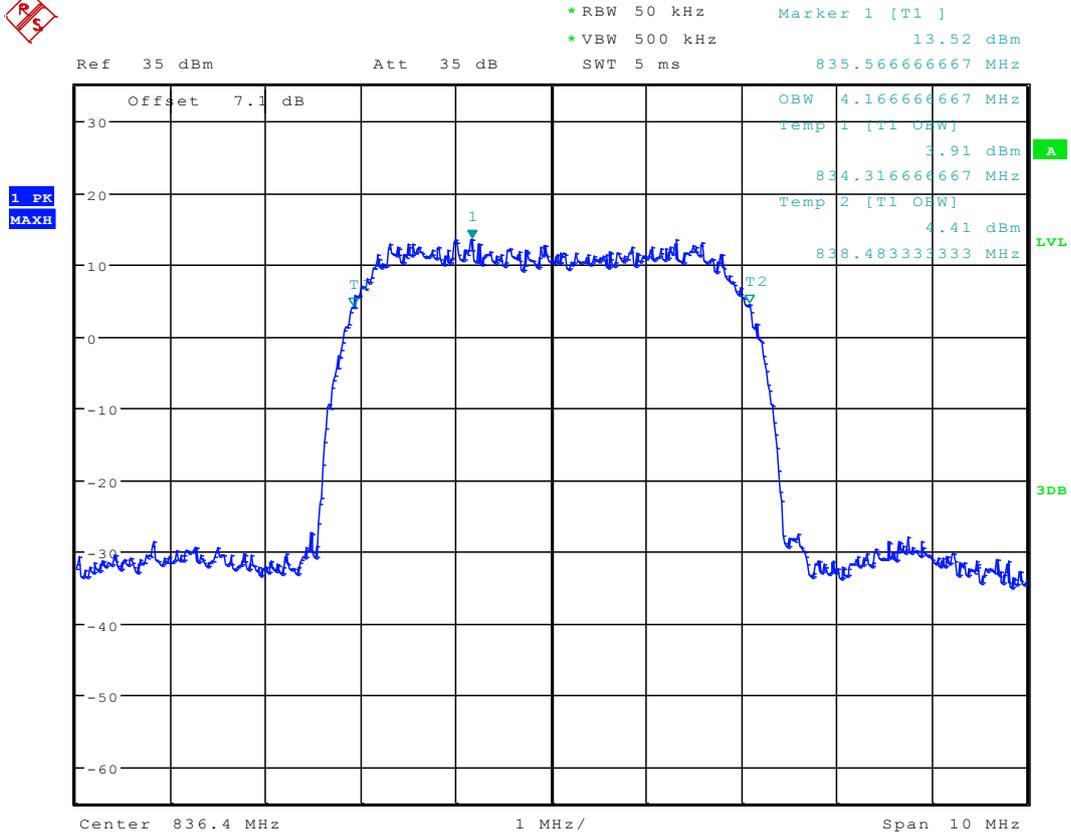


TM2:EDGE Channel 192





TM3: WCDMA Channel 4182

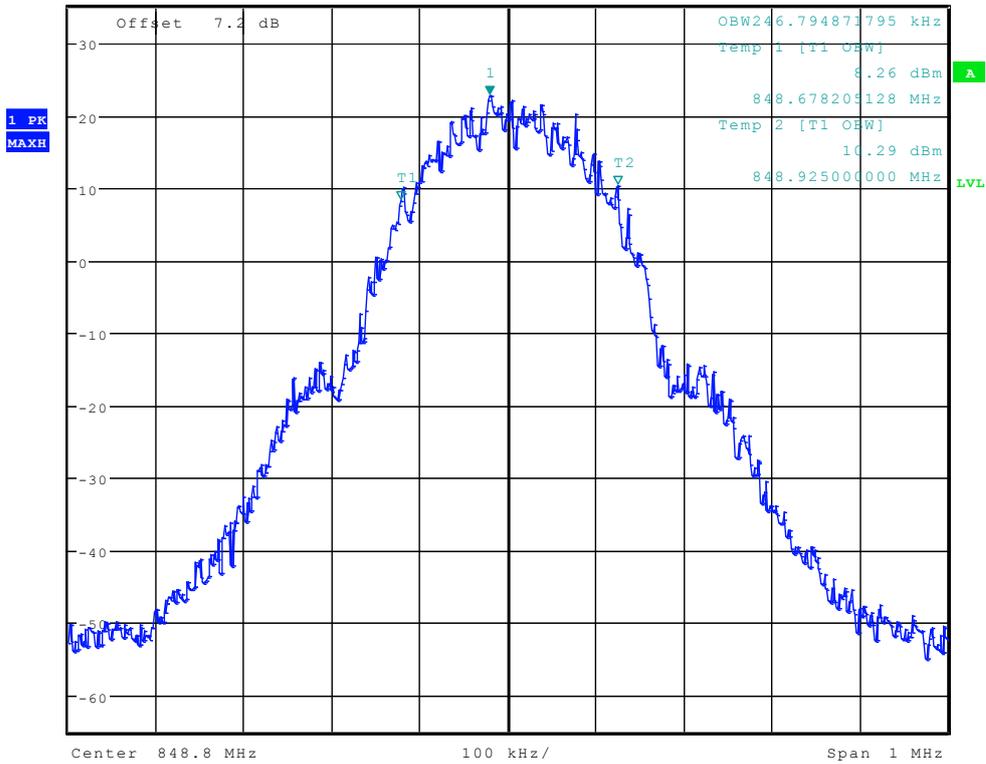




TM1:GPRS/GSM Channel 251

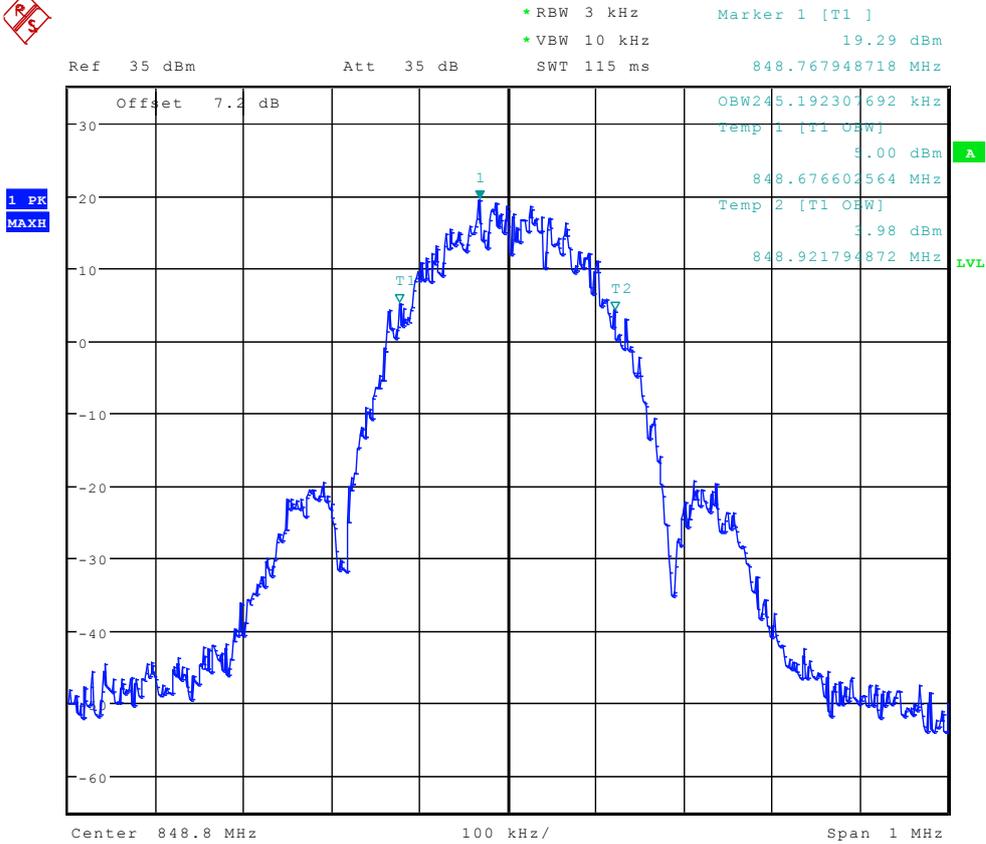


*RBW 3 kHz Marker 1 [T1]
 *VBW 10 kHz 22.73 dBm
 Ref 35 dBm Att 35 dB SWT 115 ms 848.779166667 MHz



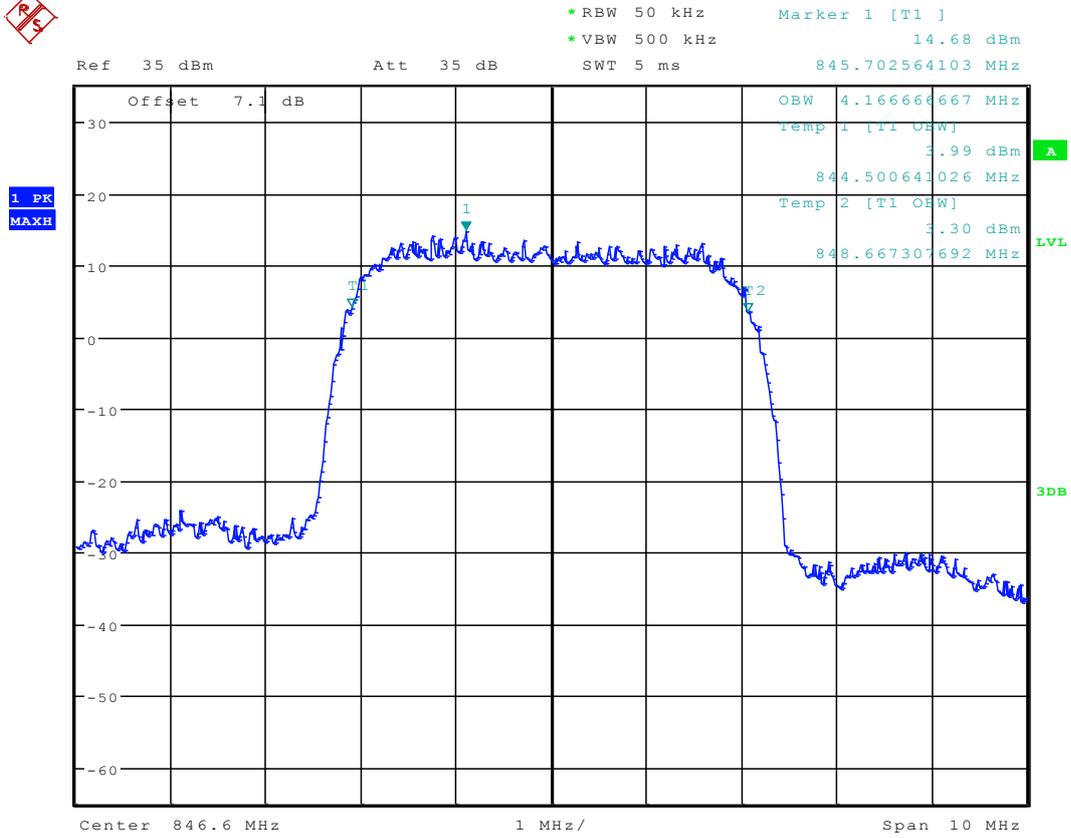


TM2:EDGE Channel 251





TM3: WCDMA Channel 4233





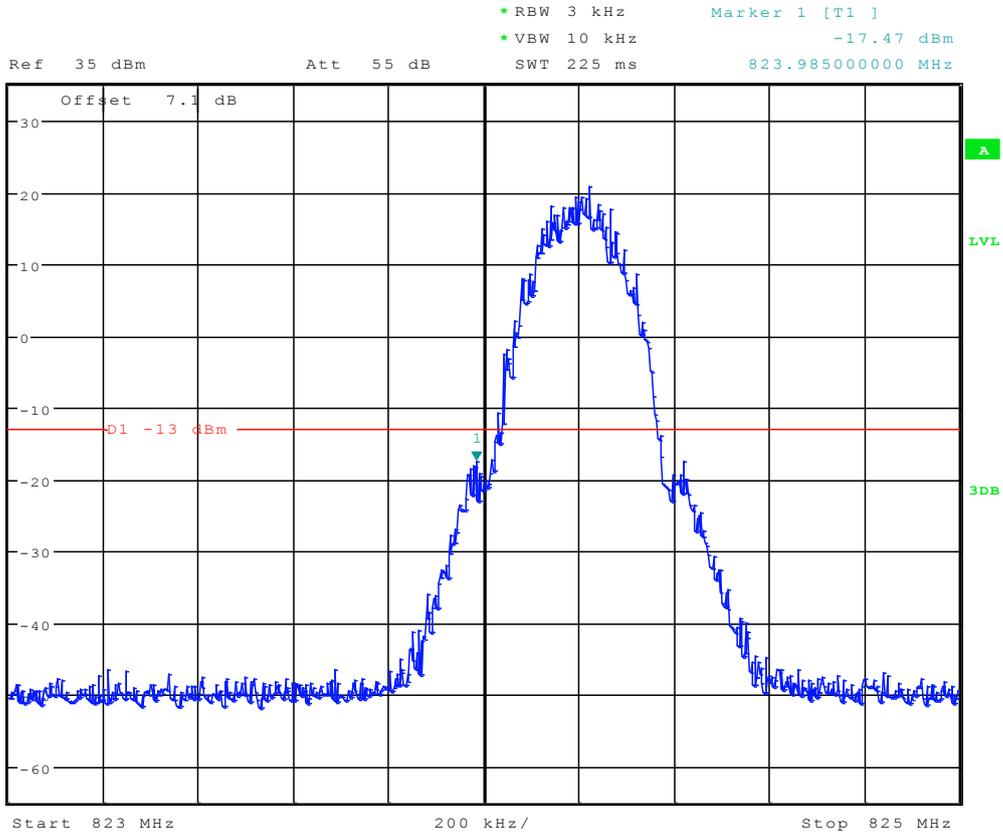
Appendix C

Band Edges Compliance According to FCC Part 2.1051 & 22.917



TM1:GPRS/GSM

Left Edge Channel 128





Right Edge Channel 251



*RBW 3 kHz
*VBW 10 kHz
Marker 1 [T1]
-18.27 dBm
849.025000000 MHz

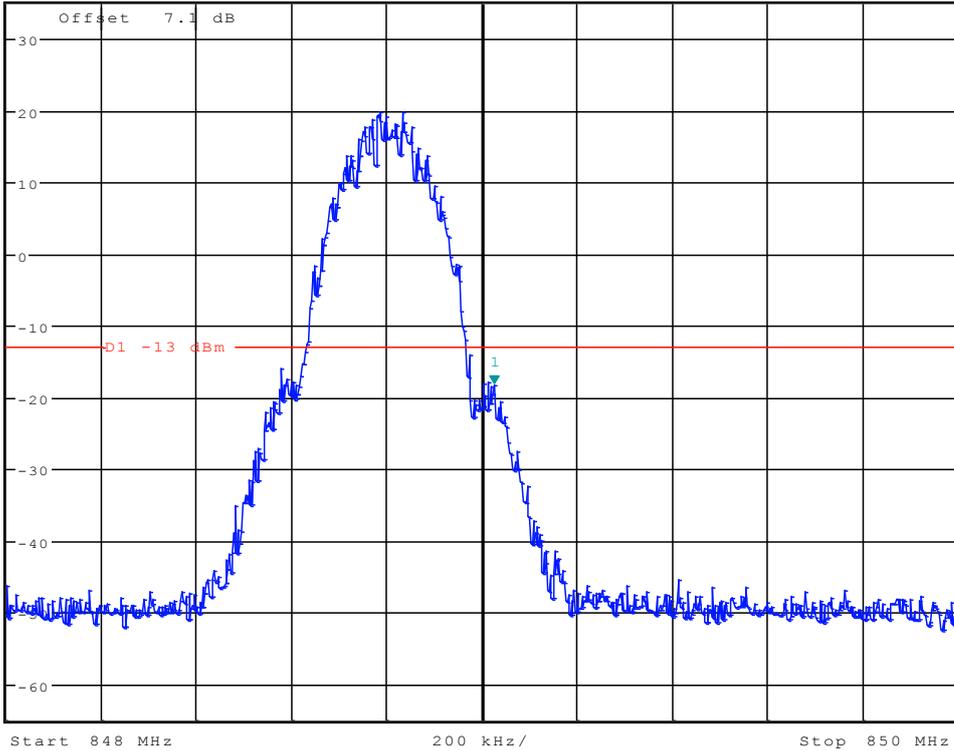
Ref 35 dBm

Att 55 dB

SWT 225 ms

Offset 7.1 dB

1 RM
MAXH

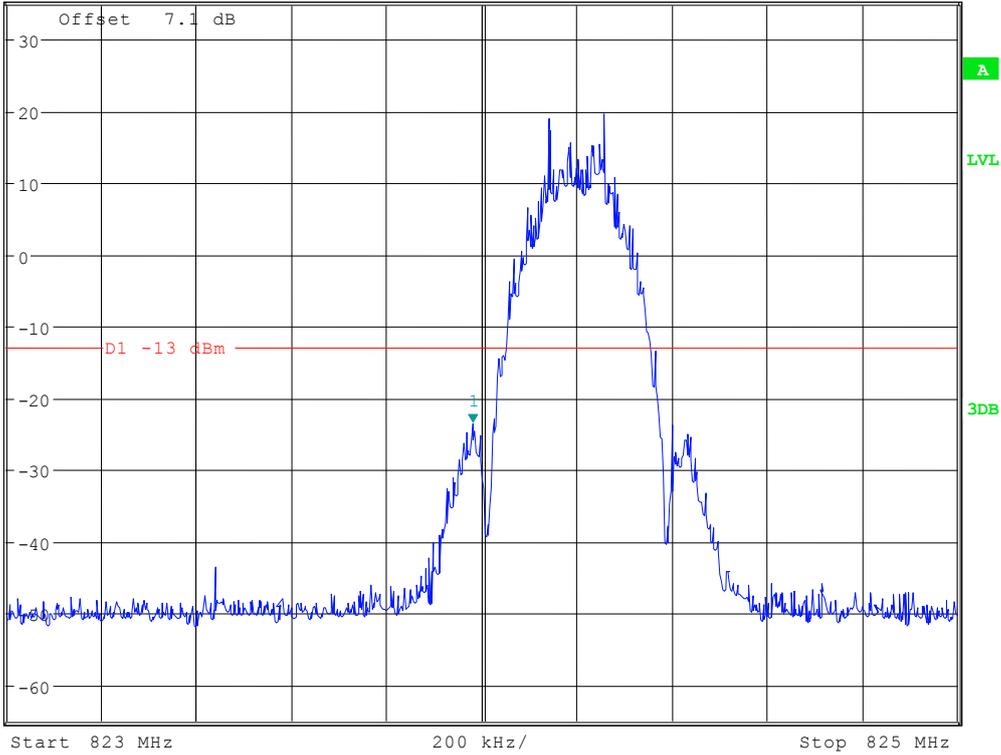




TM2:EDGE Left Edge Channel 128



Ref 35 dBm Att 55 dB *RBW 3 kHz *VBW 10 kHz SWT 225 ms Marker 1 [T1]
-23.49 dBm
823.980000000 MHz

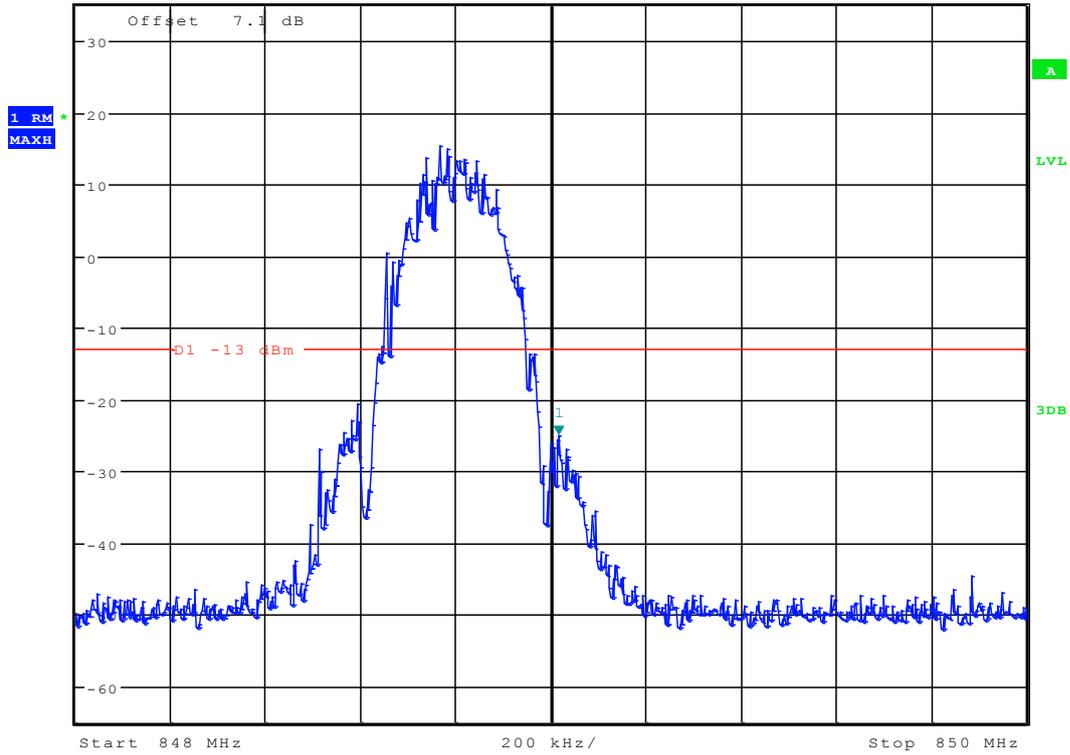




Right Edge Channel 251



Ref 35 dBm Att 55 dB RBW 3 kHz Marker 1 [T1] -24.99 dBm
* VBW 10 kHz SWT 225 ms 849.015000000 MHz

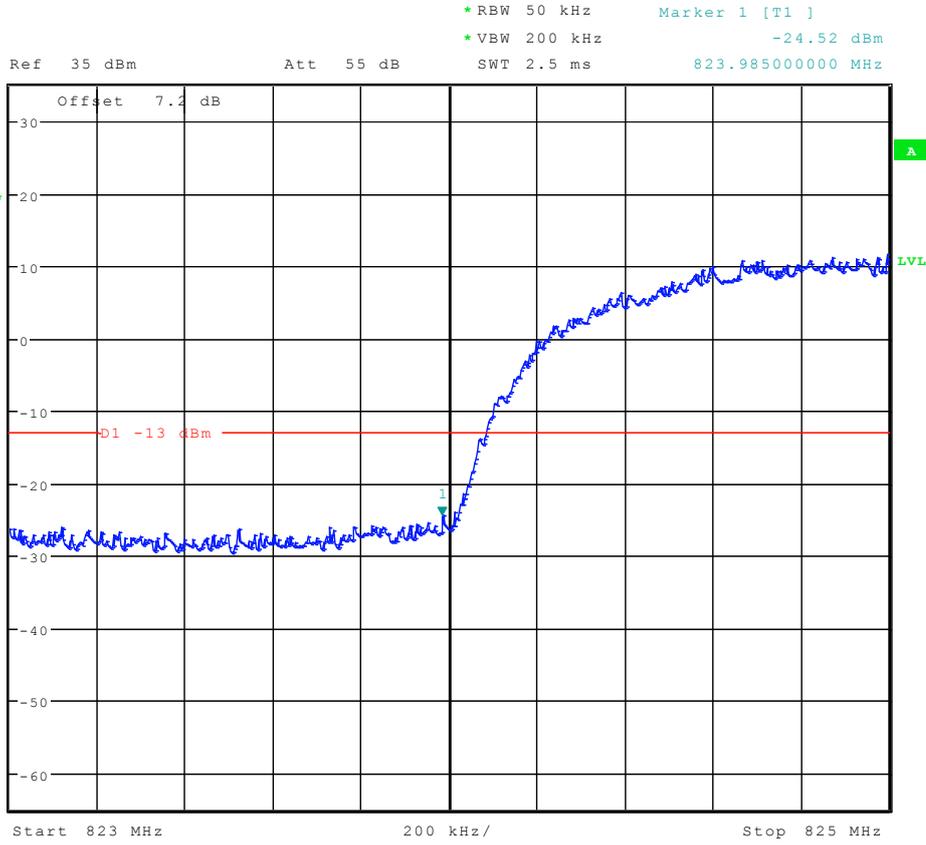




TM3: WCDMA

Left Edge

Channel 4132

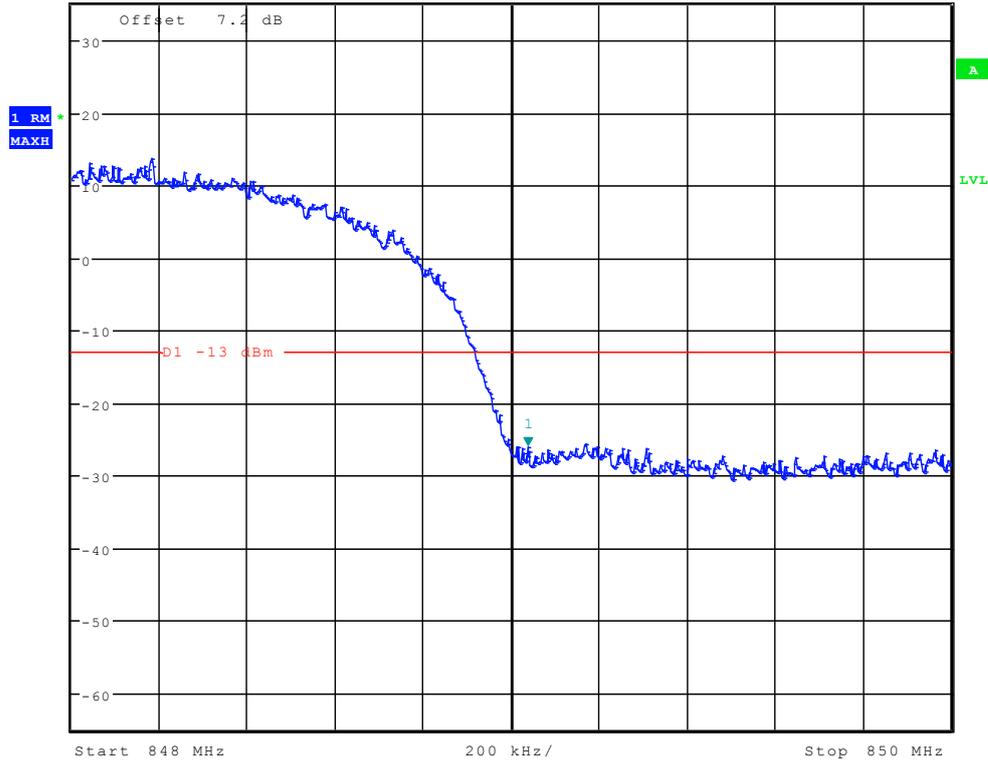




Right Edge Channel 4233



Ref 35 dBm Att 55 dB Offset 7.2 dB
*RBW 50 kHz *VBW 200 kHz SWT 2.5 ms
Marker 1 [T1] -26.08 dBm
849.04000000 MHz





Appendix D

Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & 22.917

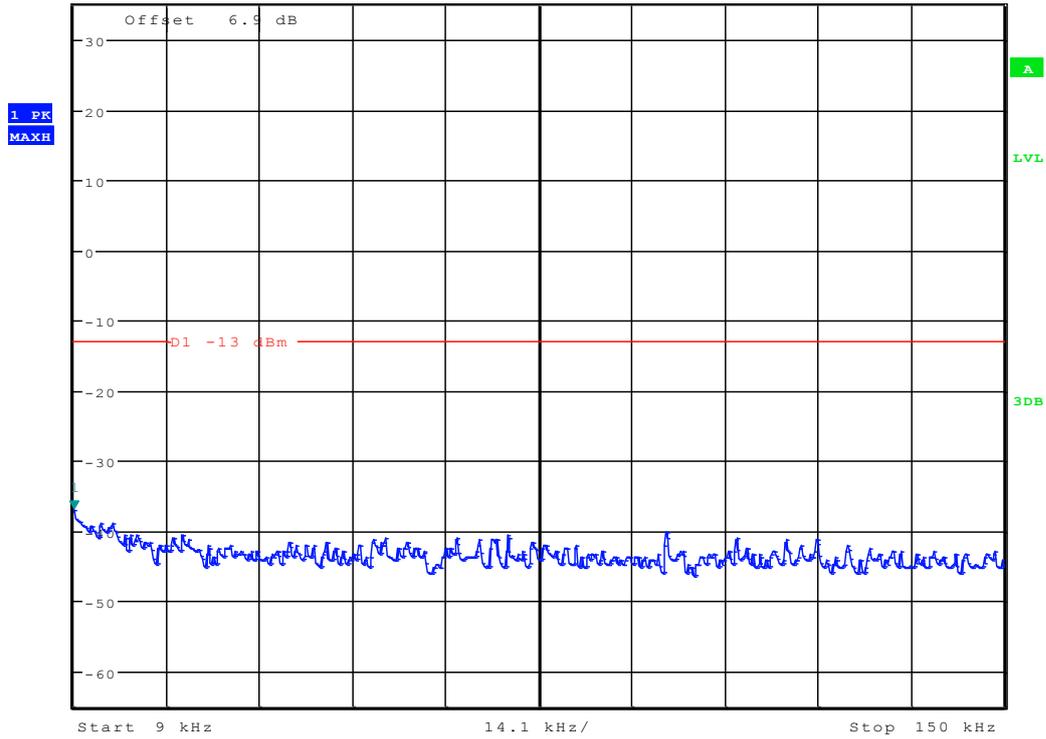


TM1:GPRS/GSM

Channel 128

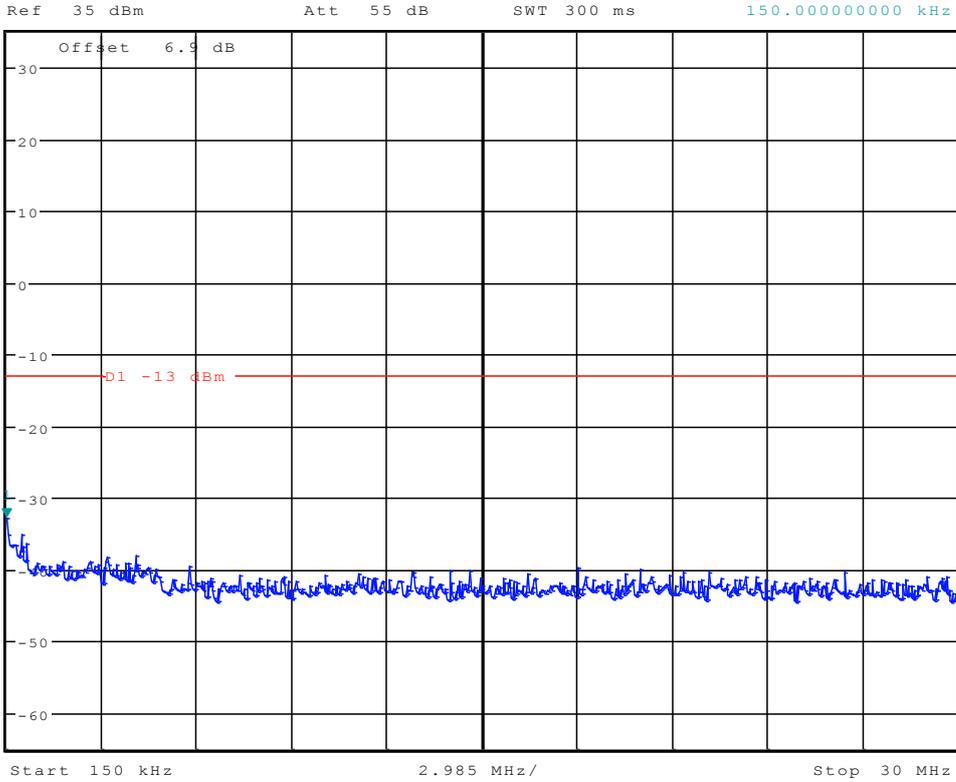


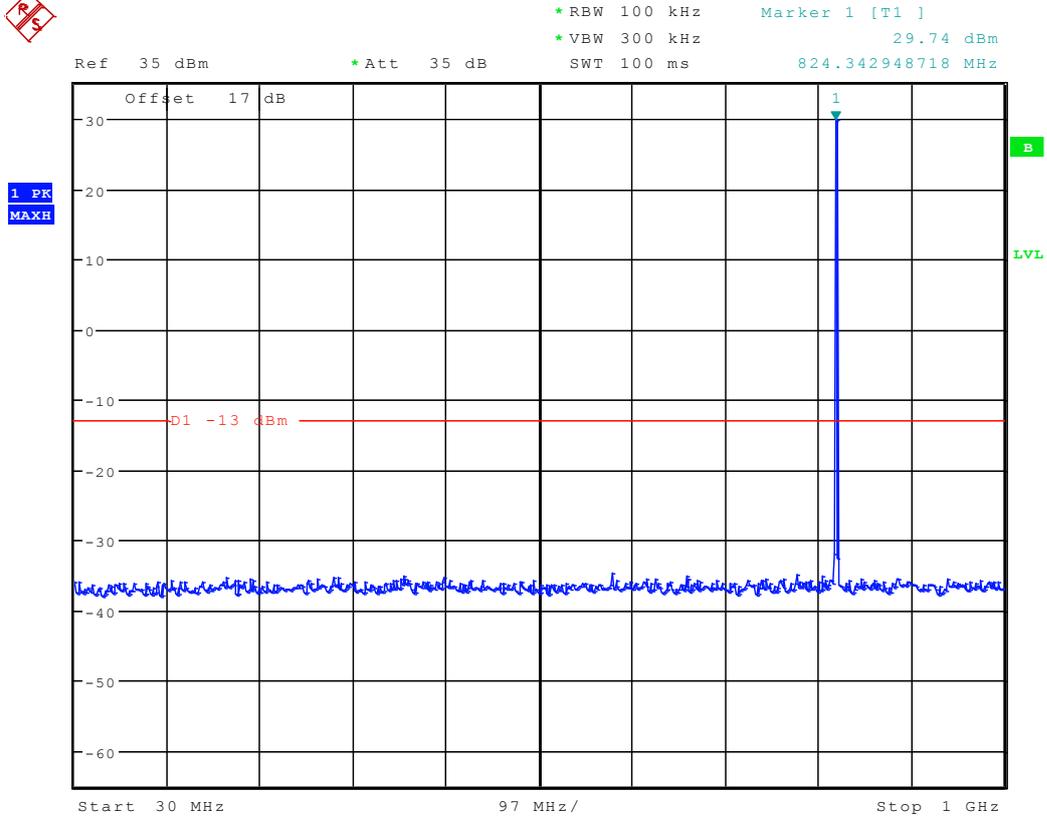
Ref 35 dBm Att 55 dB * RBW 1 kHz Marker 1 [T1]
* VBW 10 kHz -36.92 dBm
SWT 145 ms 9.000000000 kHz





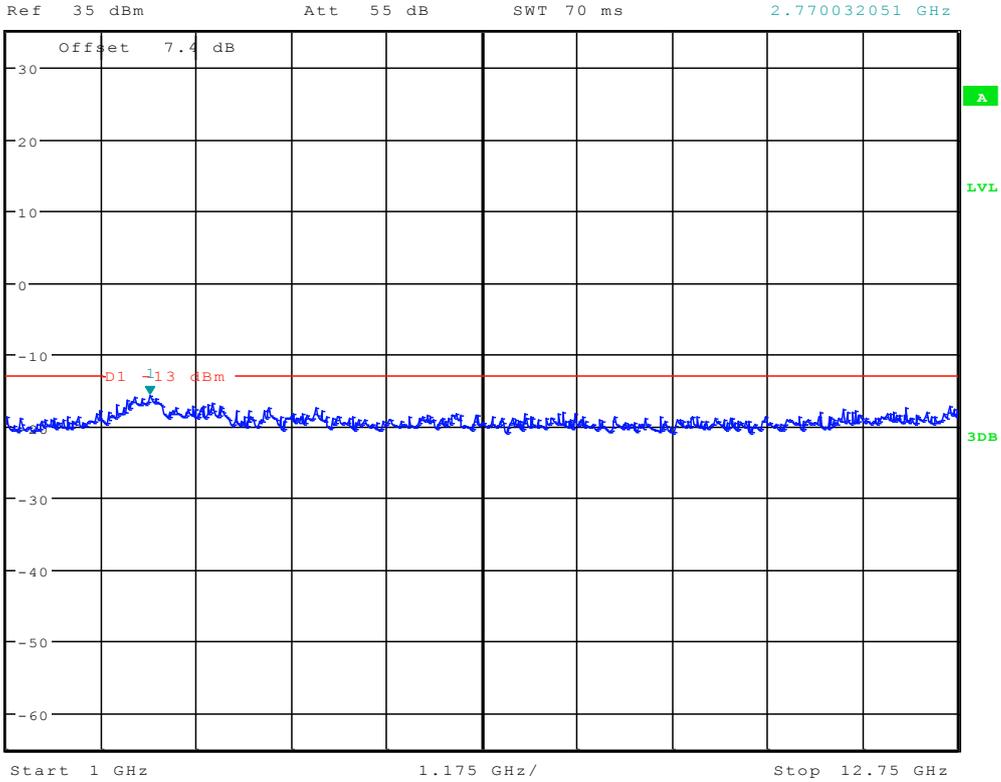
* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -32.81 dBm
SWT 300 ms 150.000000000 kHz







* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz -15.81 dBm
SWT 70 ms 2.770032051 GHz





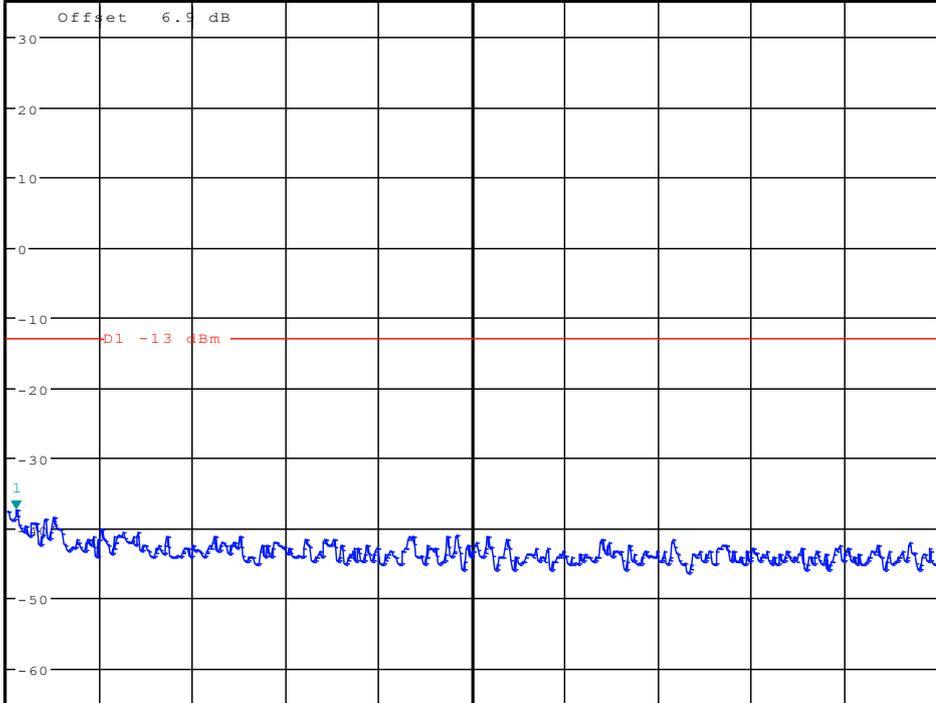
Channel 192



* RBW 1 kHz Marker 1 [T1]
* VBW 10 kHz -37.38 dBm
SWT 145 ms 10.355769231 kHz

Ref 35 dBm

Att 55 dB



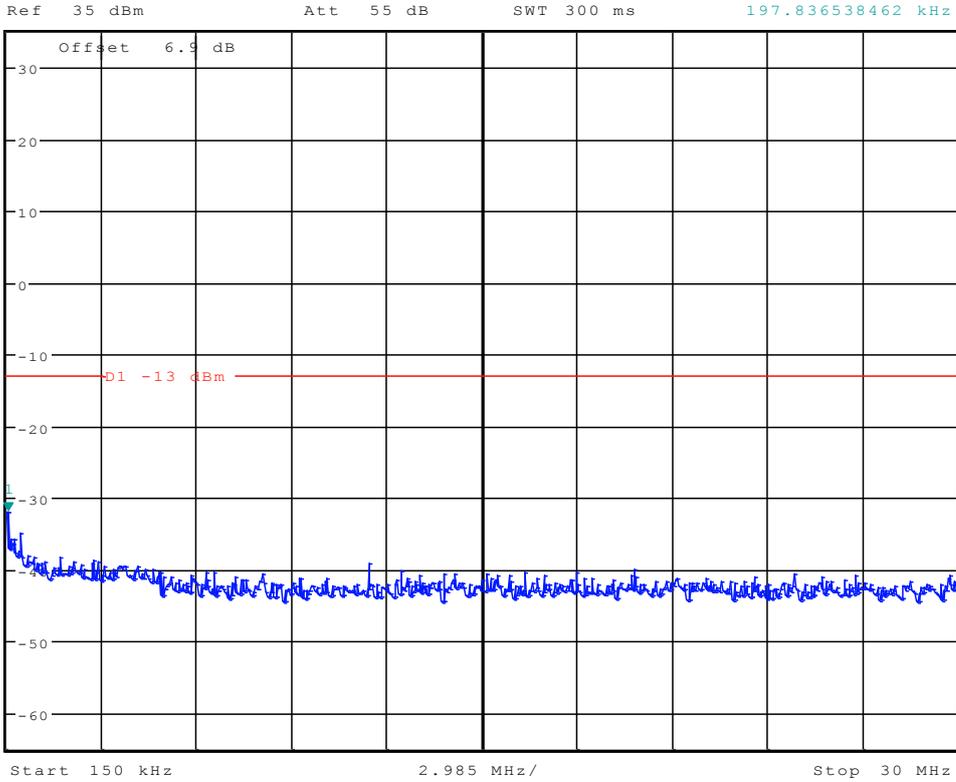
Start 9 kHz

14.1 kHz/

Stop 150 kHz

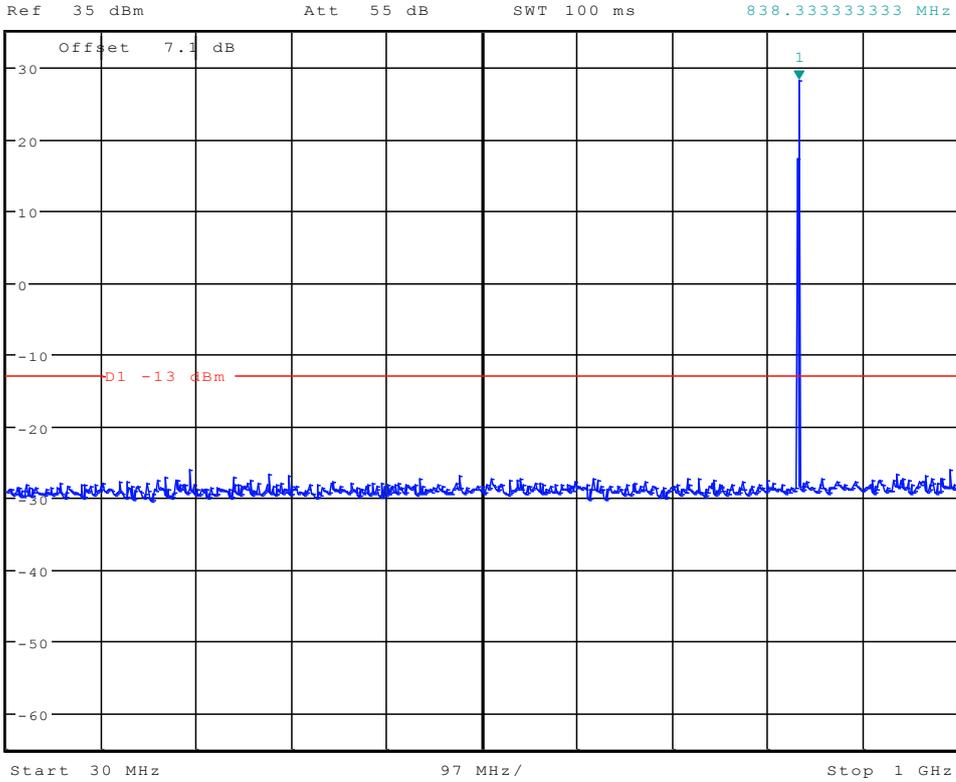


* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -31.90 dBm
SWT 300 ms 197.836538462 kHz



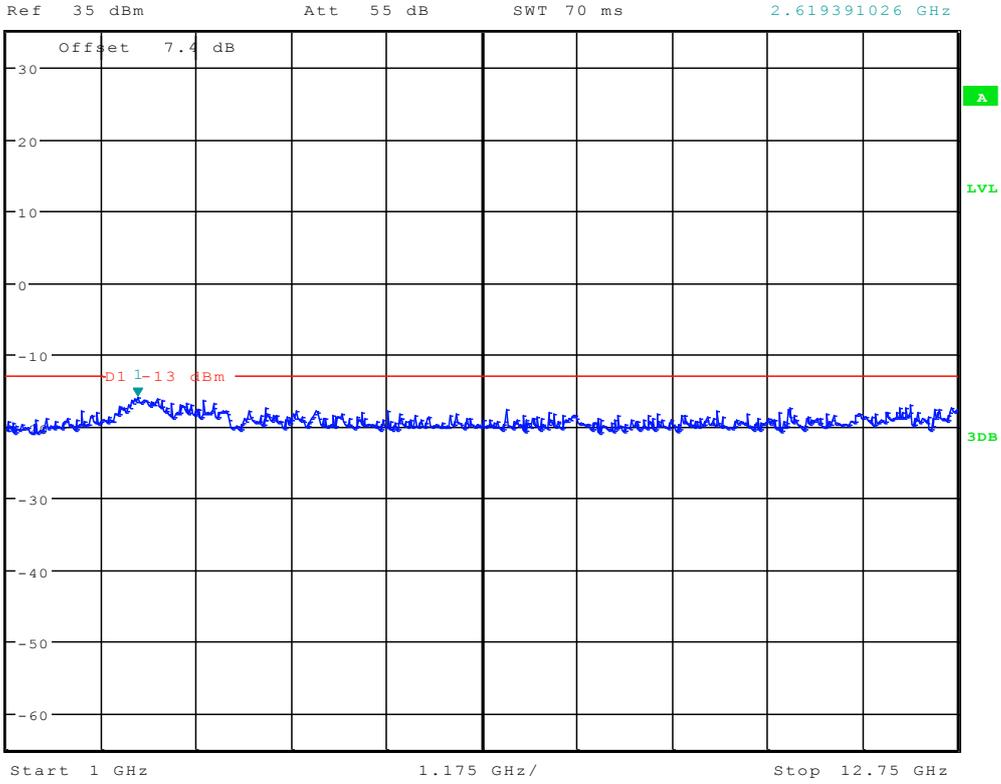


* RBW 100 kHz Marker 1 [T1]
* VBW 300 kHz 28.20 dBm
SWT 100 ms 838.333333333 MHz



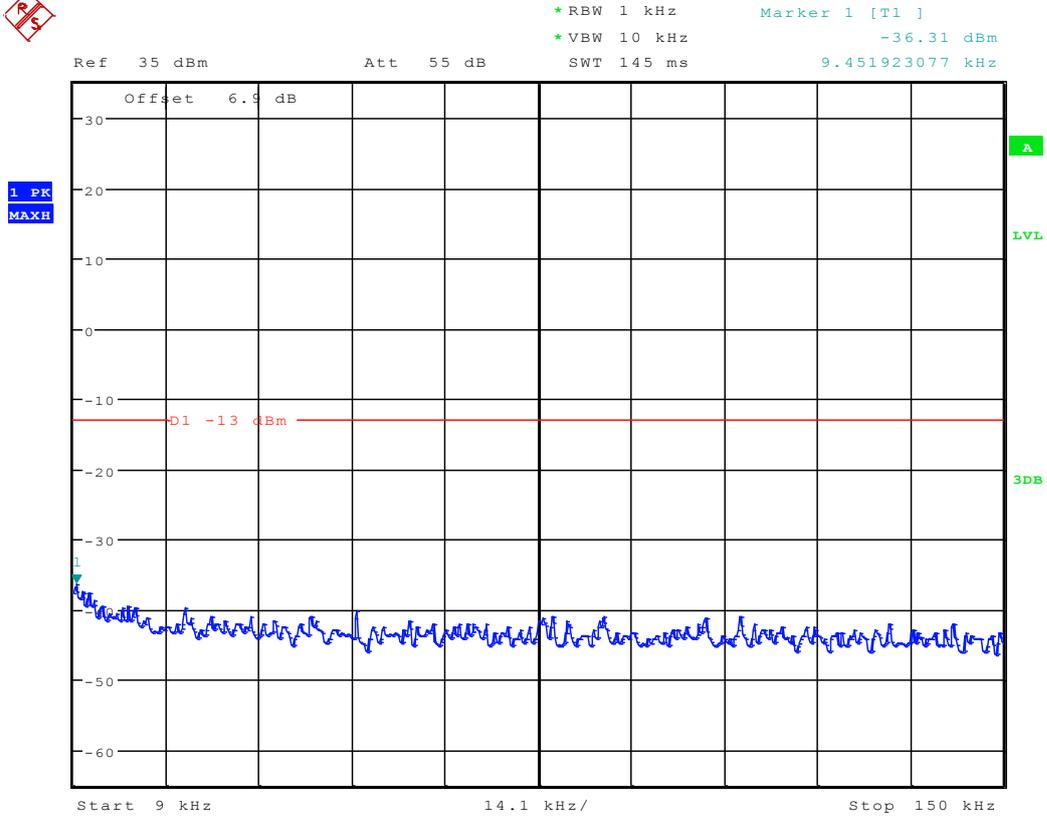


* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz -15.90 dBm
SWT 70 ms 2.619391026 GHz





Channel 251





* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -32.43 dBm
SWT 300 ms 197.836538462 kHz

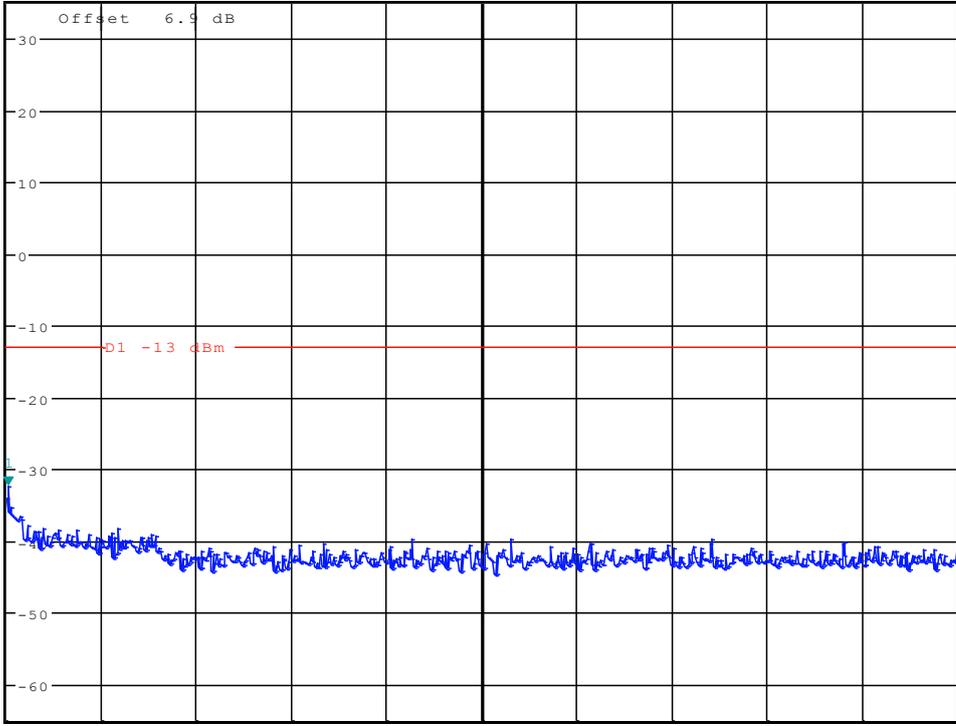
Ref 35 dBm

Att 55 dB

SWT 300 ms

197.836538462 kHz

1 PK
MAXH



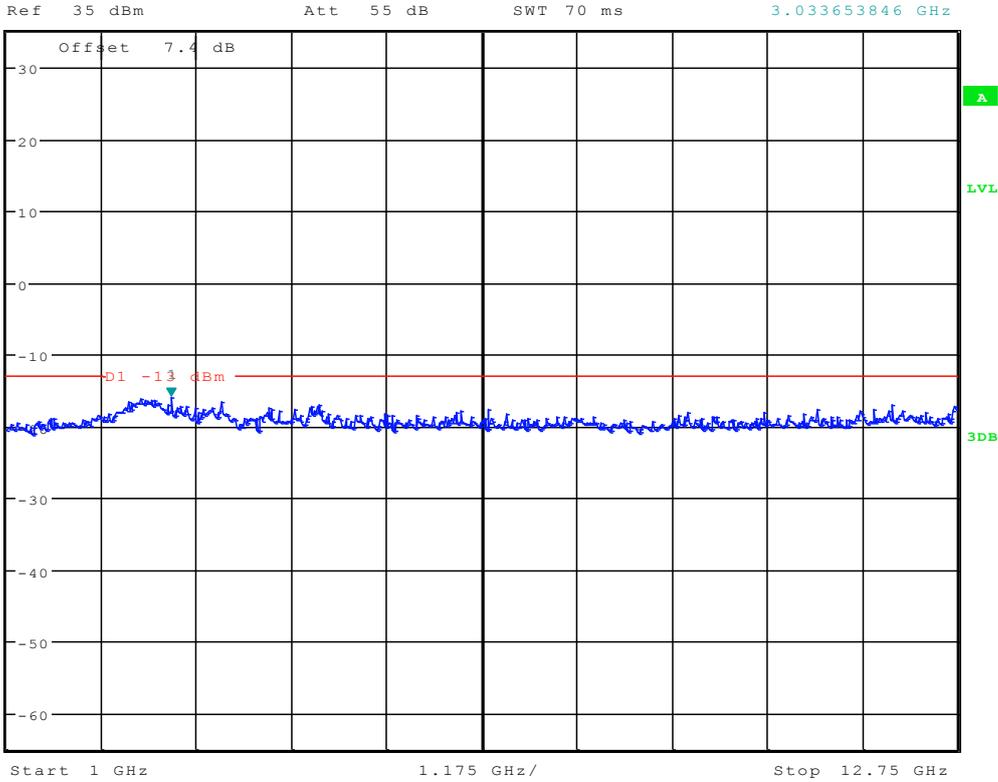
Start 150 kHz

2.985 MHz/

Stop 30 MHz

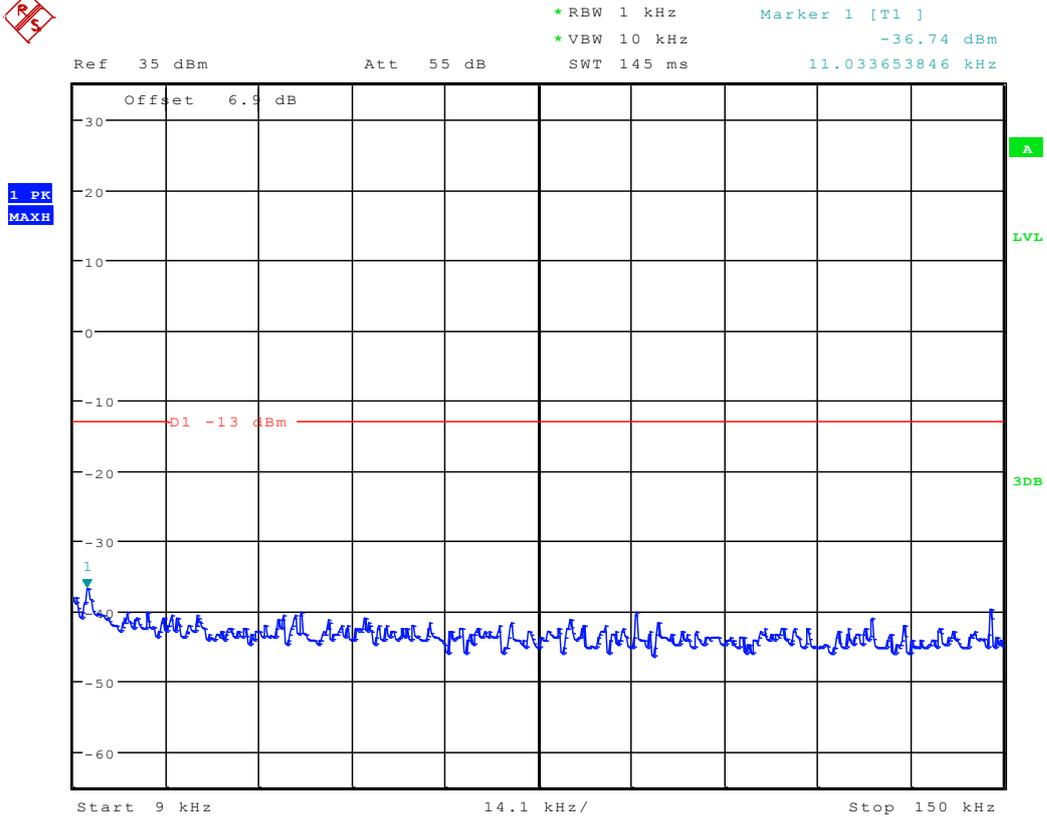


* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz -16.01 dBm
SWT 70 ms 3.033653846 GHz





TM2:EDGE Channel 128





* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -34.09 dBm
SWT 300 ms 197.836538462 kHz

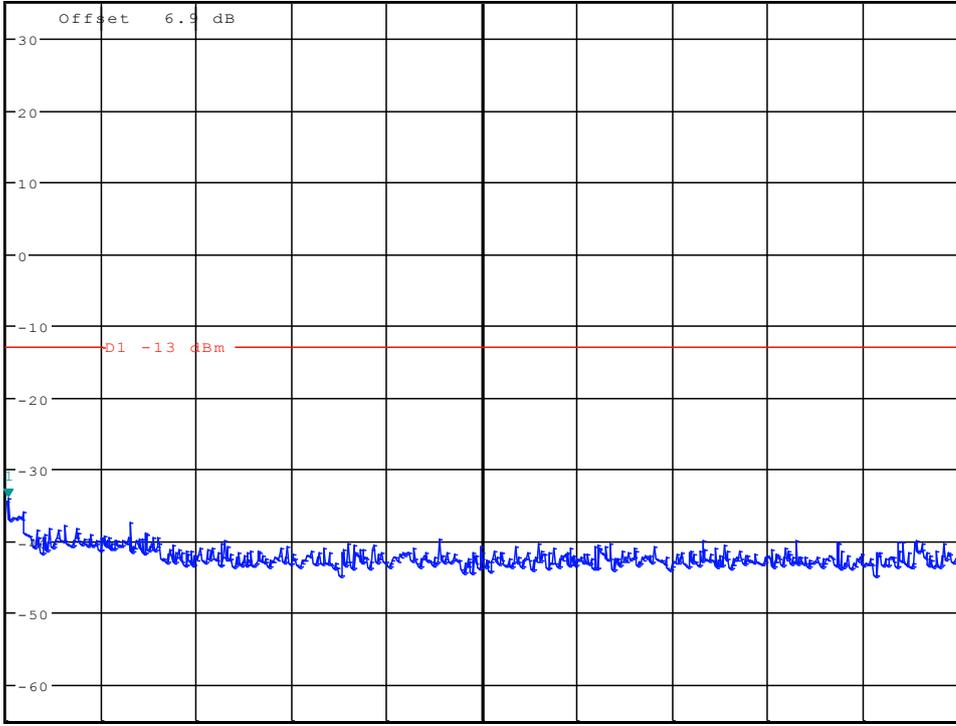
Ref 35 dBm

Att 55 dB

SWT 300 ms

197.836538462 kHz

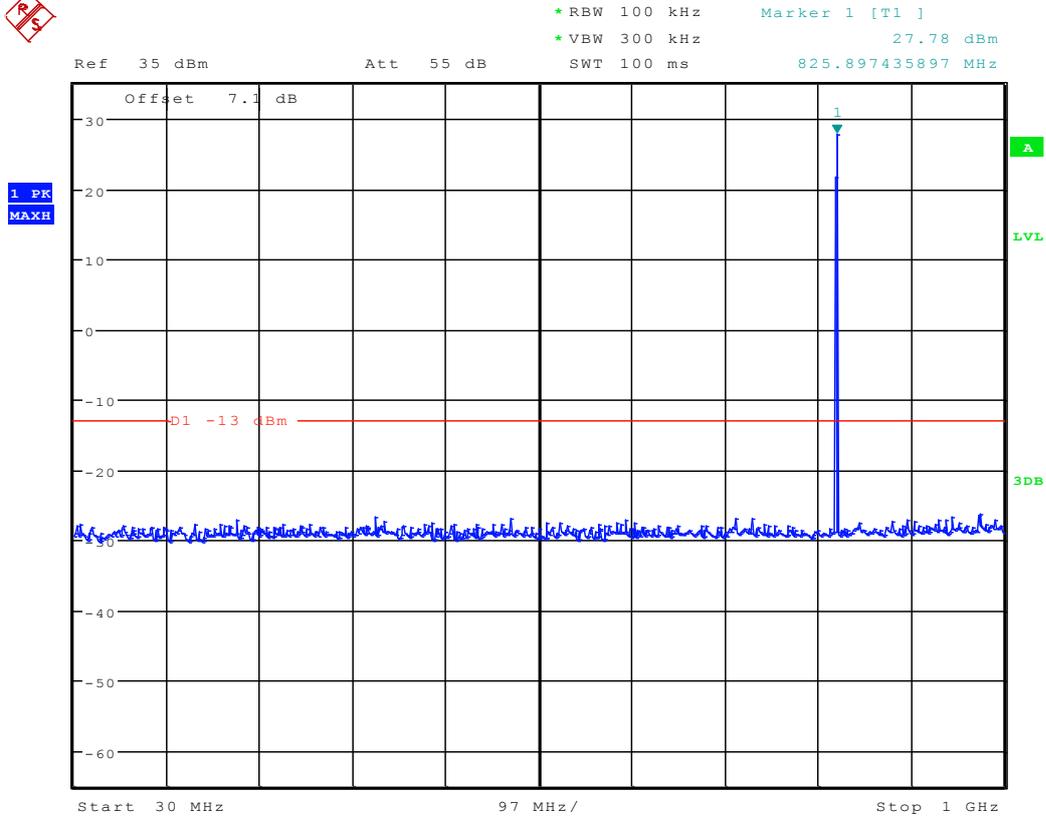
1 PK
MAXH



Start 150 kHz

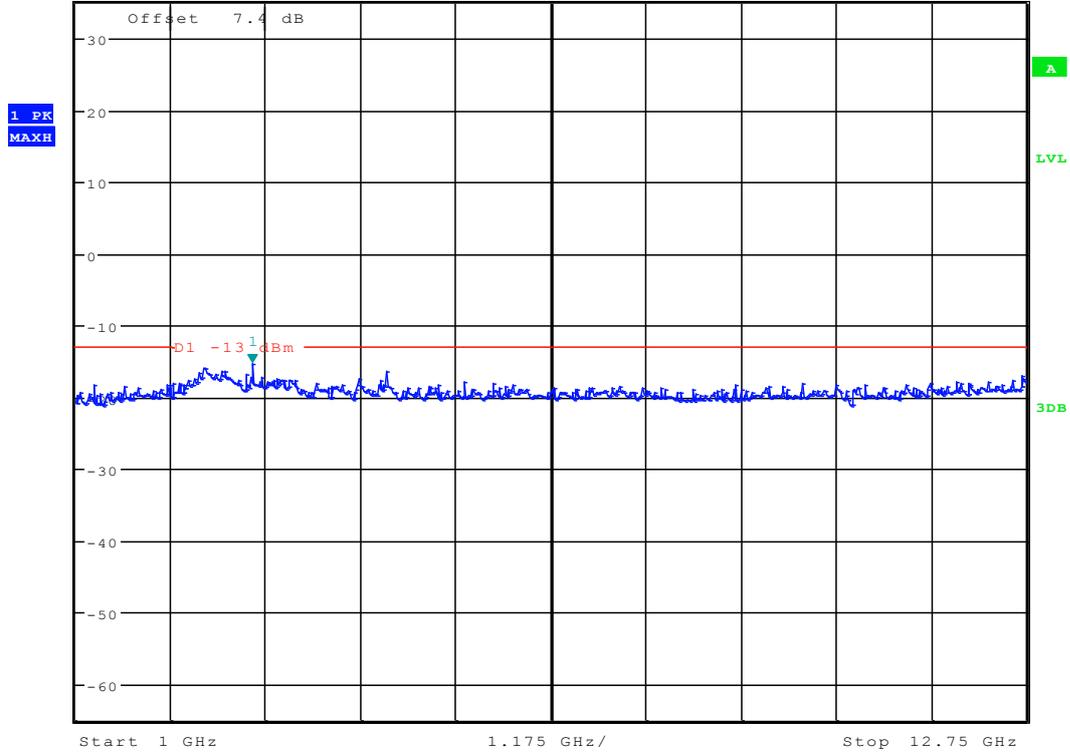
2.985 MHz/

Stop 30 MHz





* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz -15.24 dBm
Ref 35 dBm Att 55 dB SWT 70 ms 3.184294872 GHz

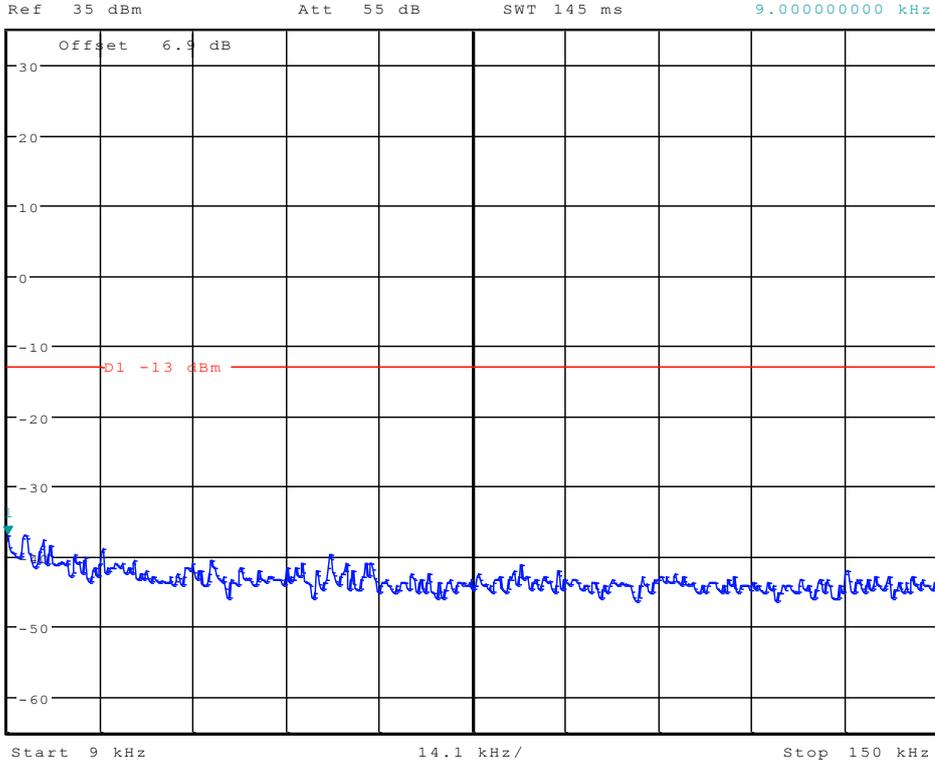




Channel 192

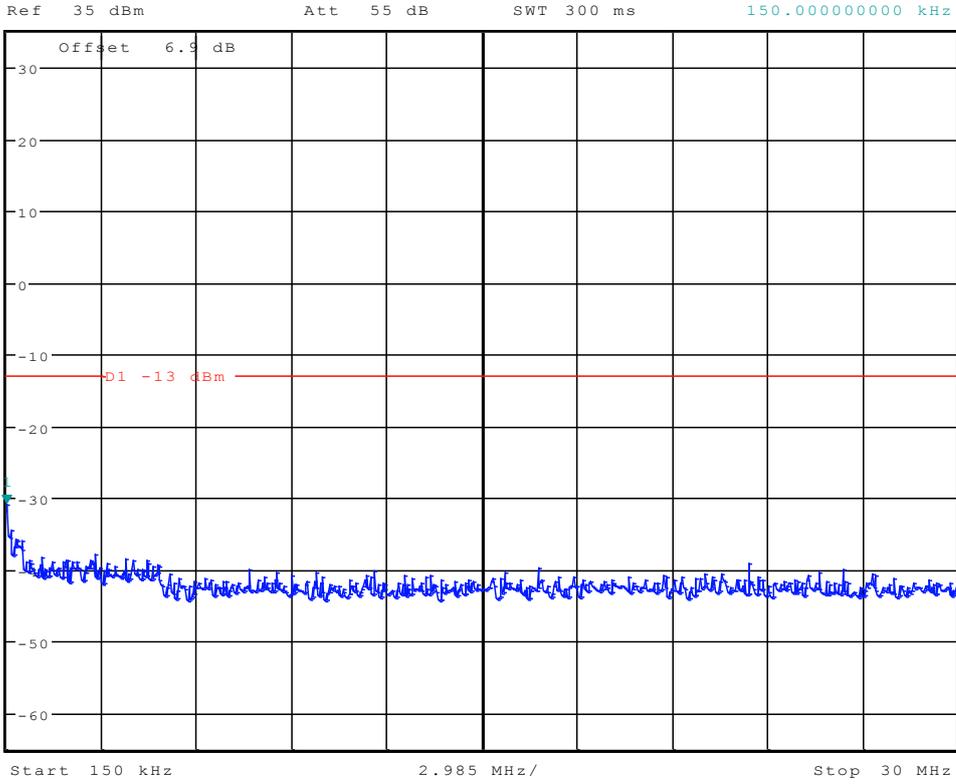


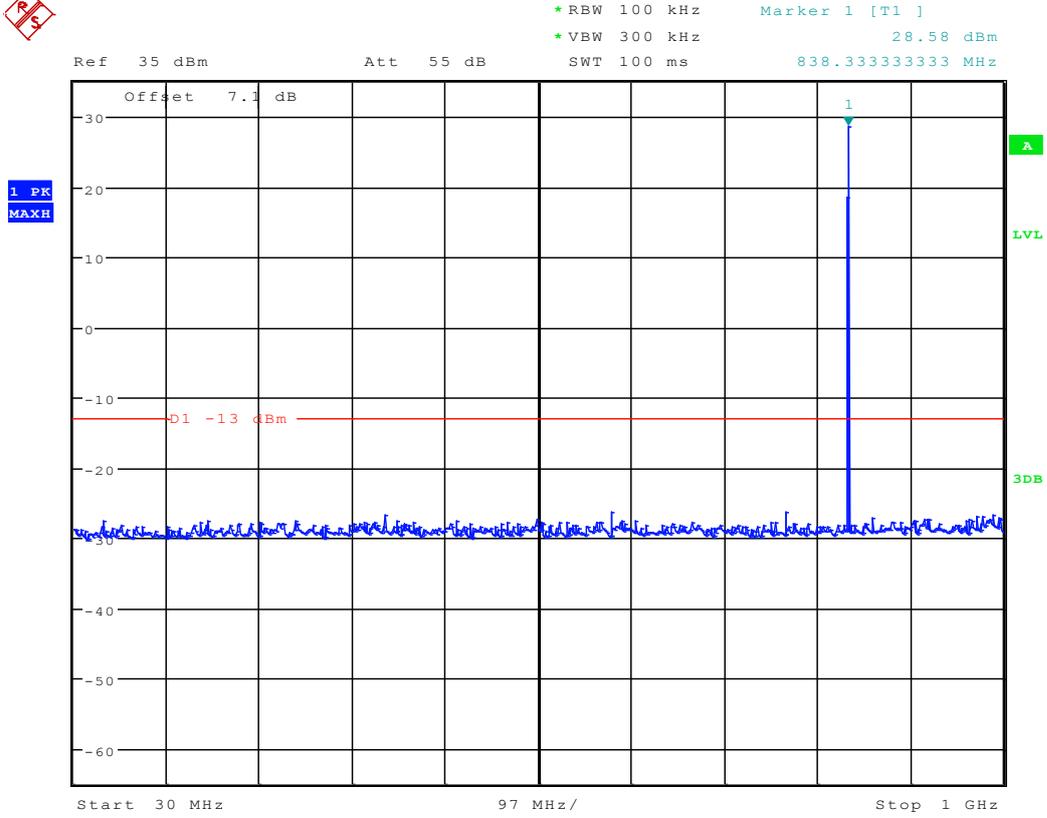
* RBW 1 kHz
* VBW 10 kHz
Marker 1 [T1]
-36.92 dBm
9.000000000 kHz





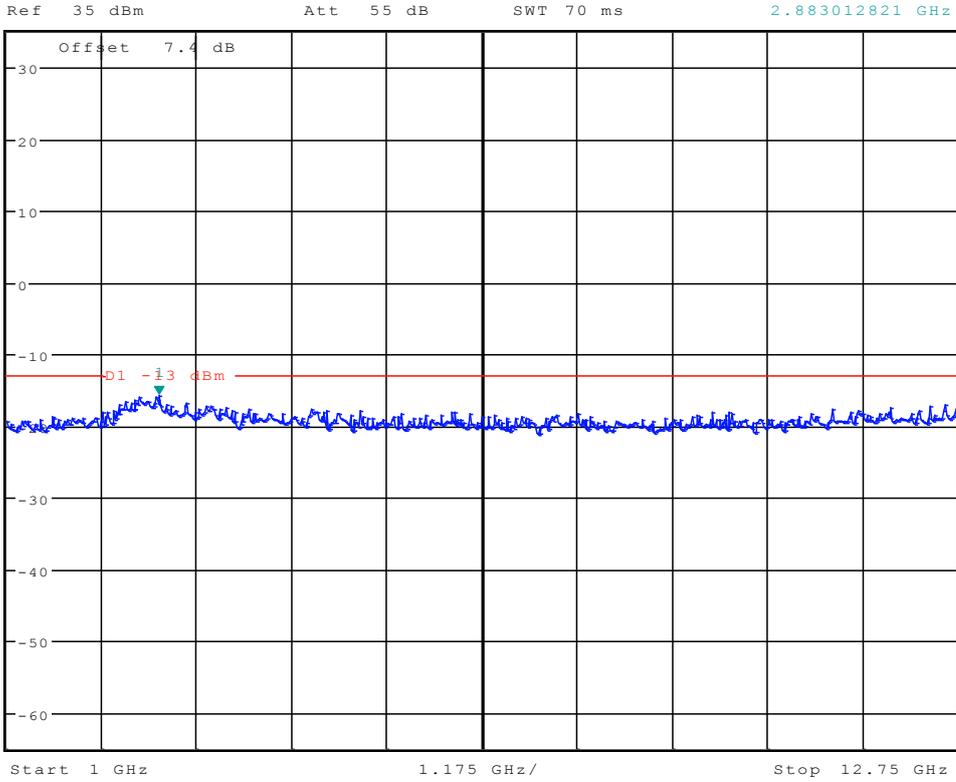
* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -30.94 dBm
SWT 300 ms 150.000000000 kHz







* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz -15.82 dBm
SWT 70 ms 2.883012821 GHz



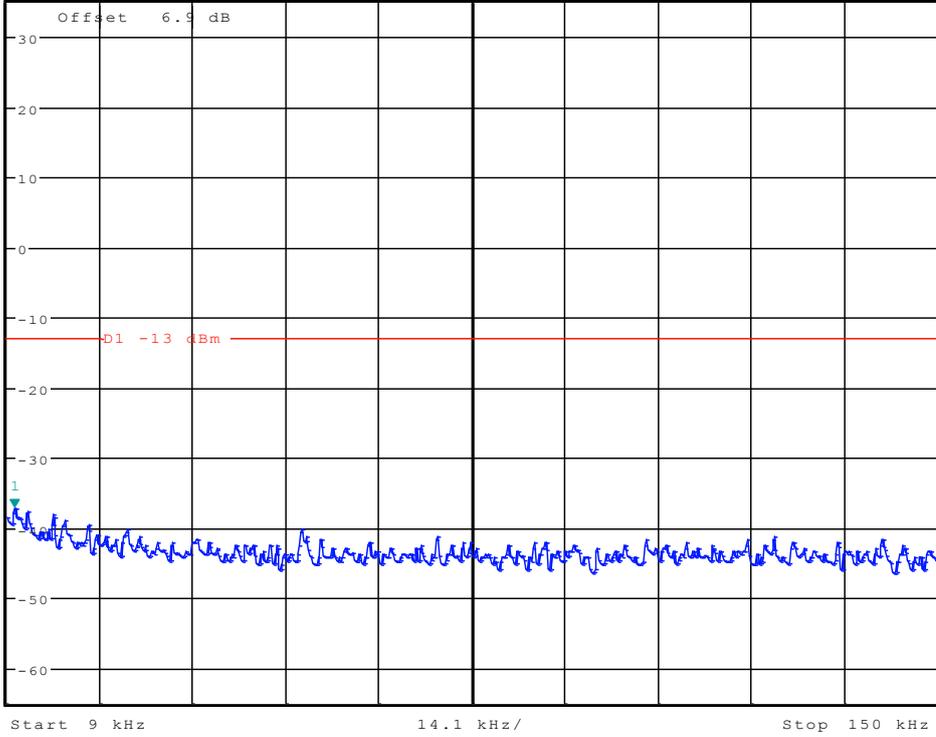


Channel 251



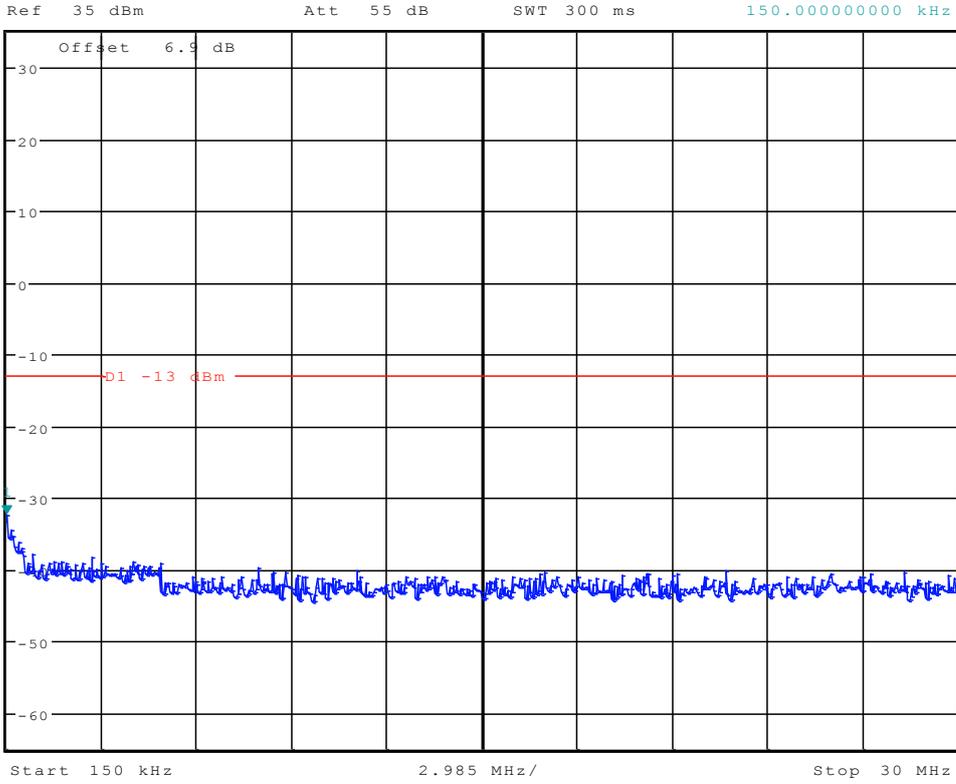
* RBW 1 kHz Marker 1 [T1]
* VBW 10 kHz -37.19 dBm
SWT 145 ms 10.129807692 kHz

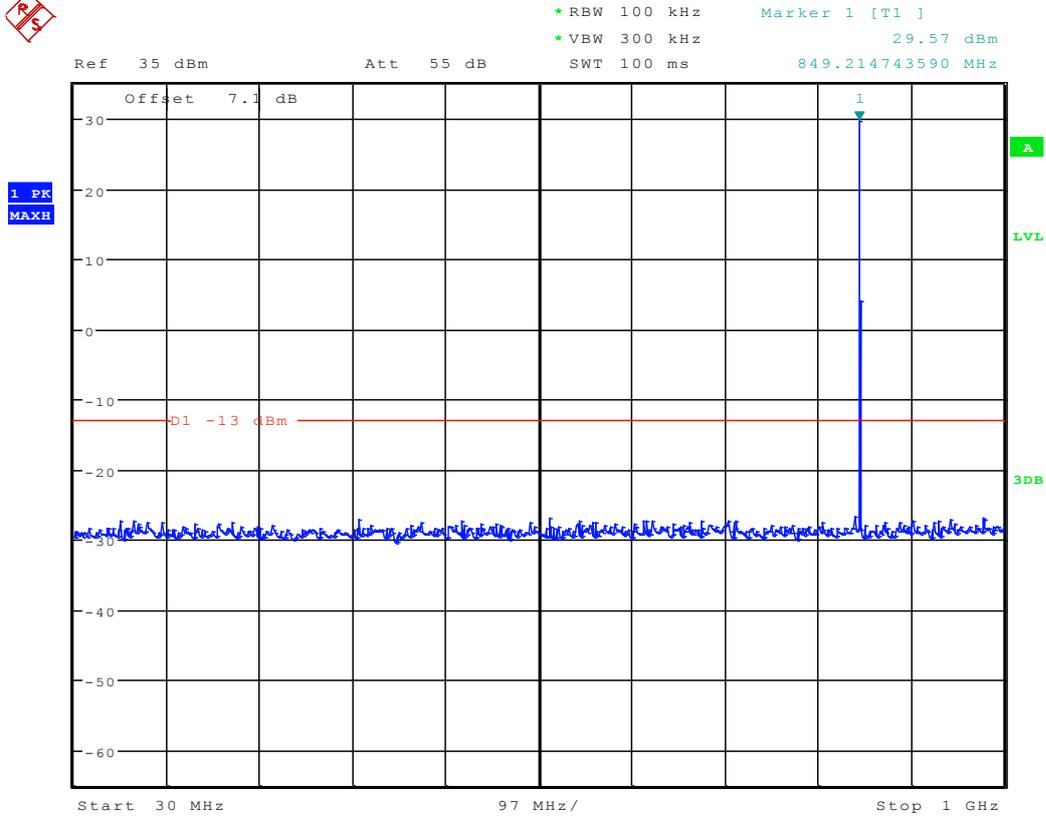
Ref 35 dBm Att 55 dB





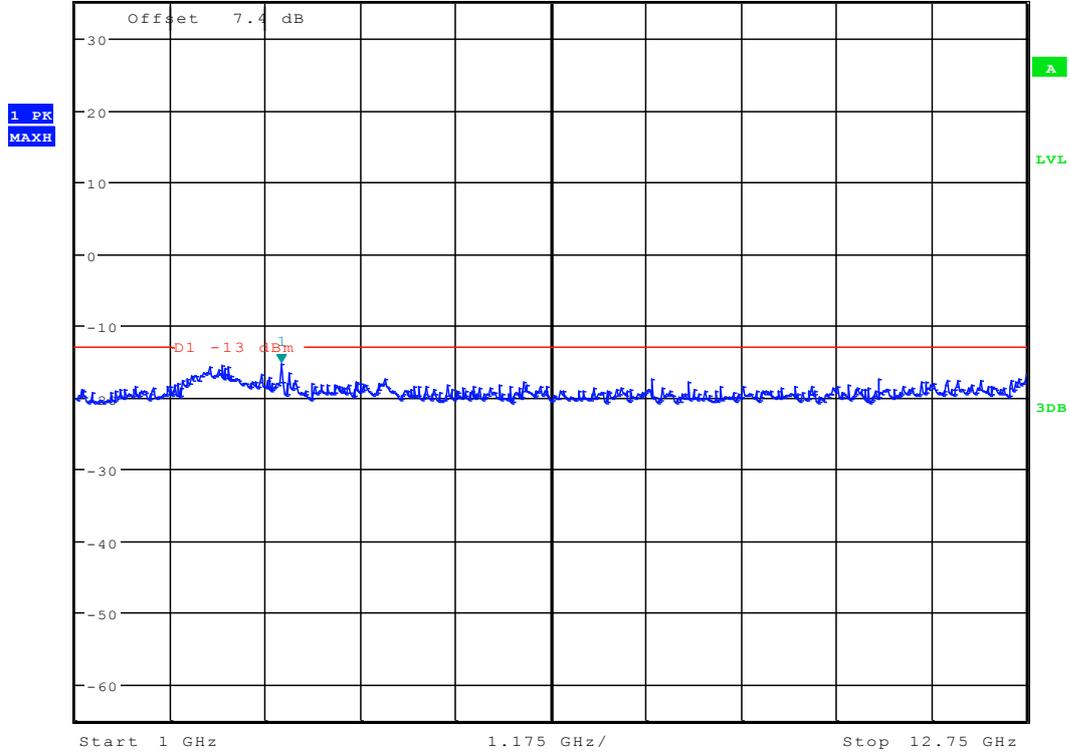
* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -32.32 dBm
SWT 300 ms 150.000000000 kHz





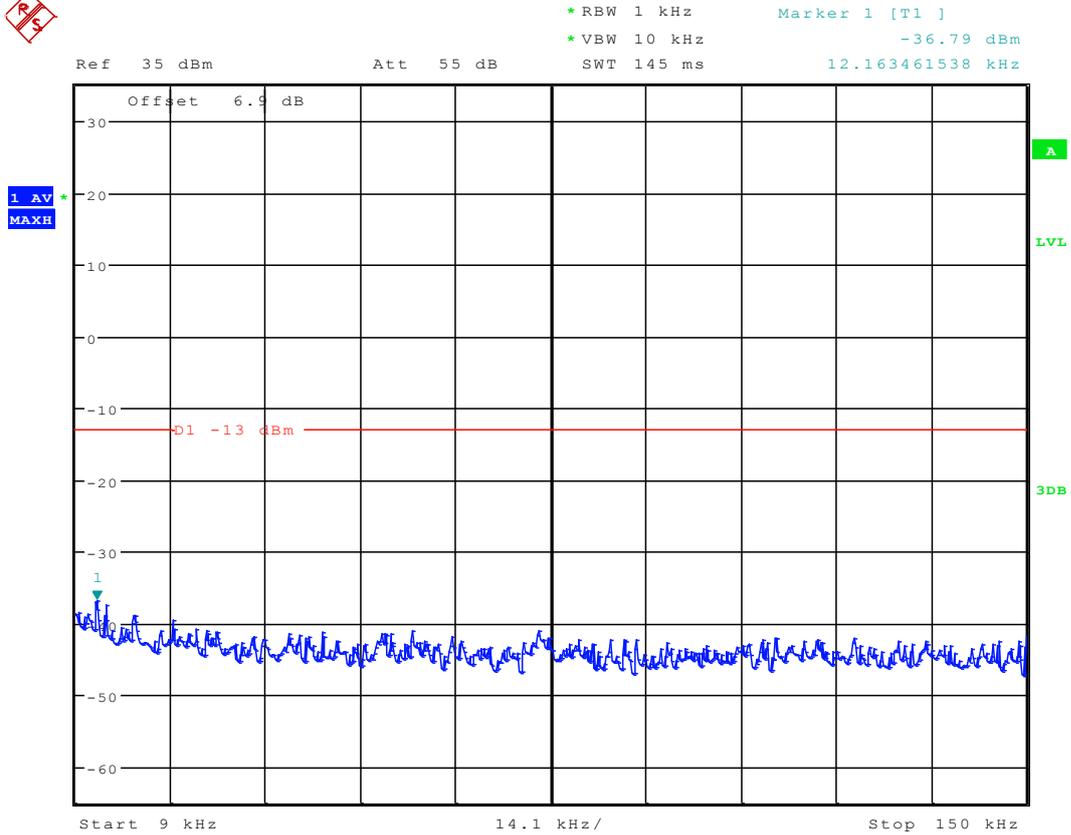


* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz -15.24 dBm
Ref 35 dBm Att 55 dB SWT 70 ms 3.542067308 GHz



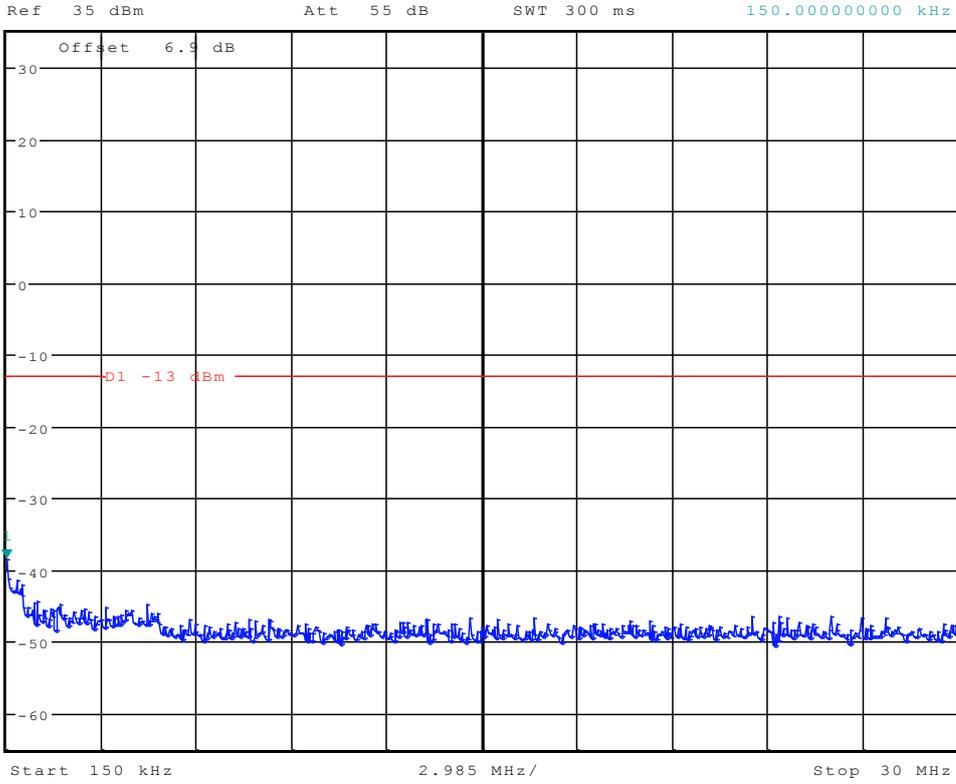


TM3: WCDMA Channel 4132



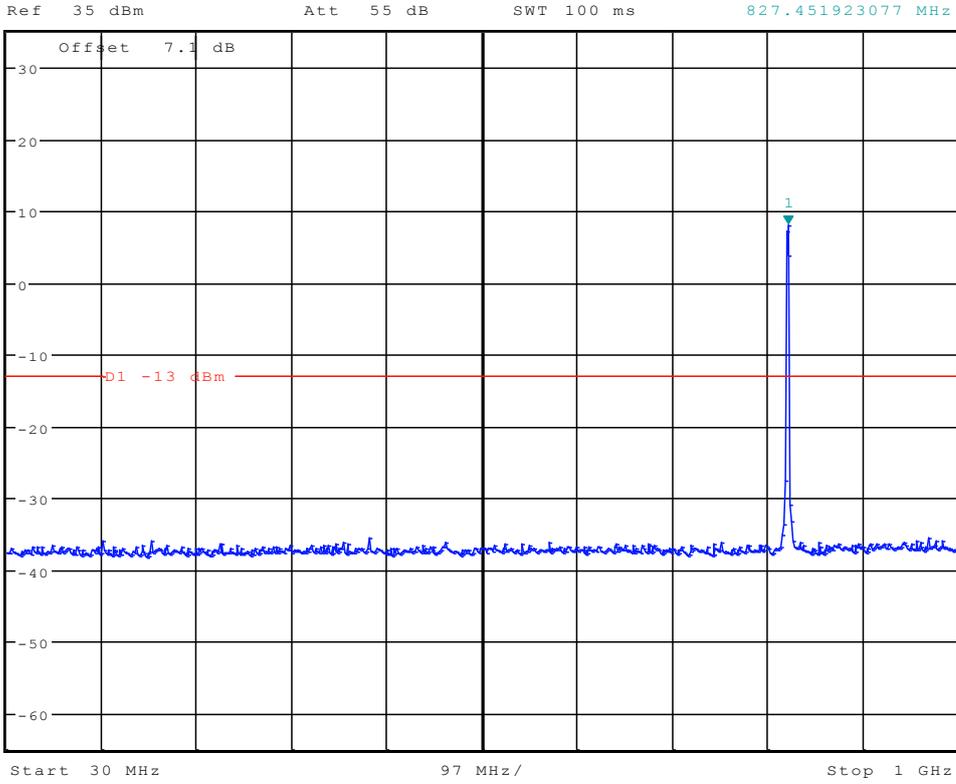


* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -38.39 dBm
SWT 300 ms 150.000000000 kHz



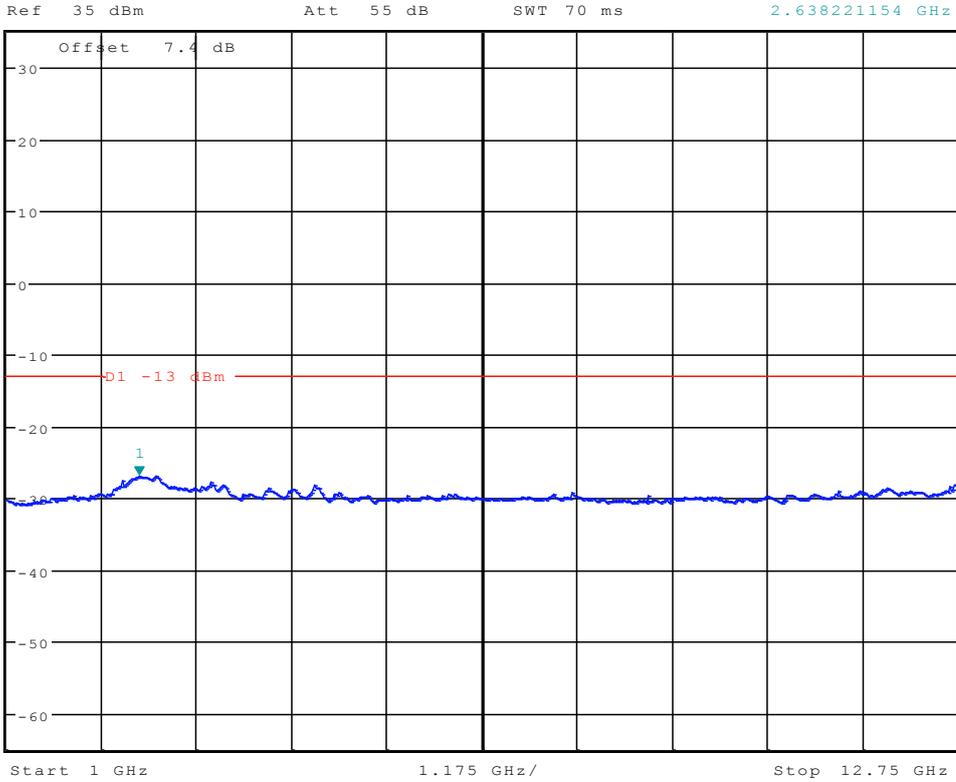


* RBW 100 kHz Marker 1 [T1]
* VBW 300 kHz 7.90 dBm
SWT 100 ms 827.451923077 MHz





* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz -26.87 dBm
SWT 70 ms 2.638221154 GHz





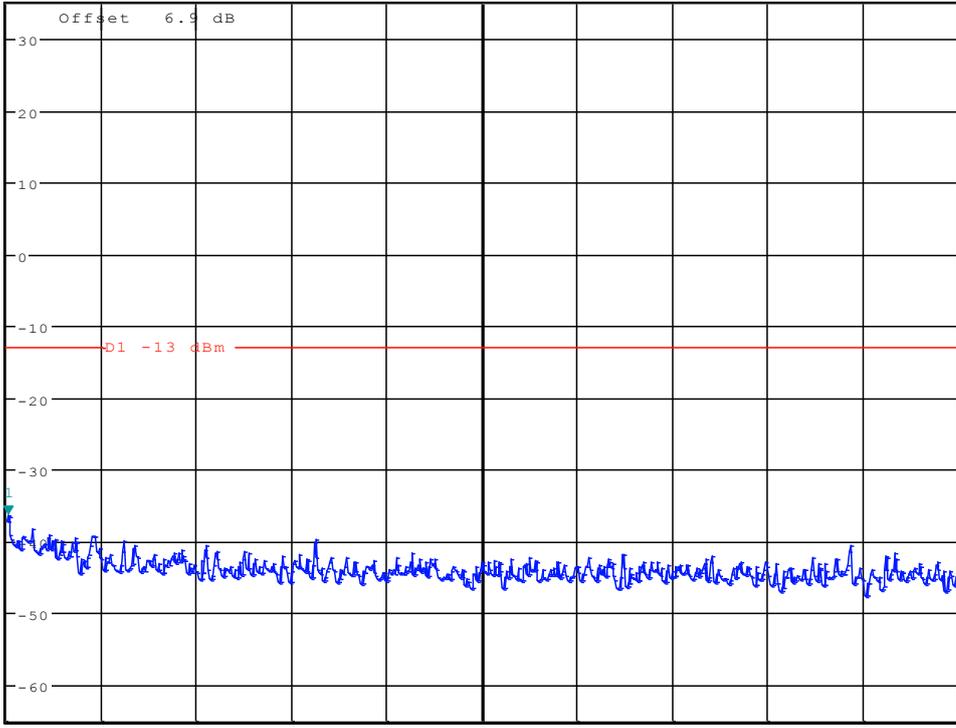
Channel 4182



*RBW 1 kHz Marker 1 [T1]
*VBW 10 kHz -36.32 dBm
SWT 145 ms 9.225961538 kHz

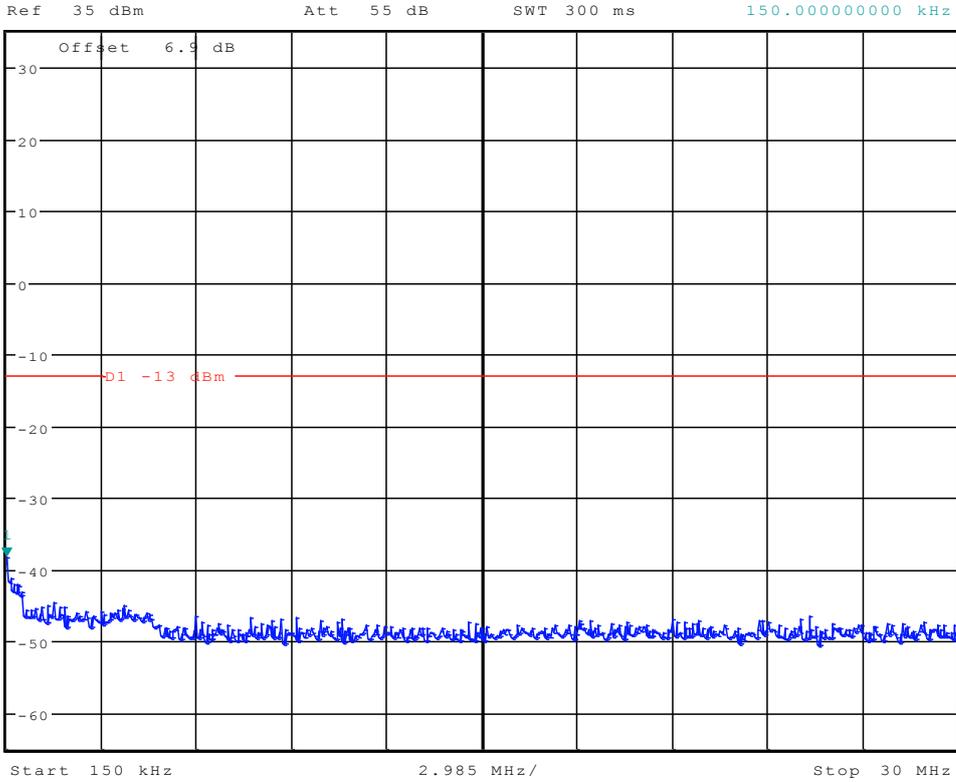
Ref 35 dBm

Att 55 dB



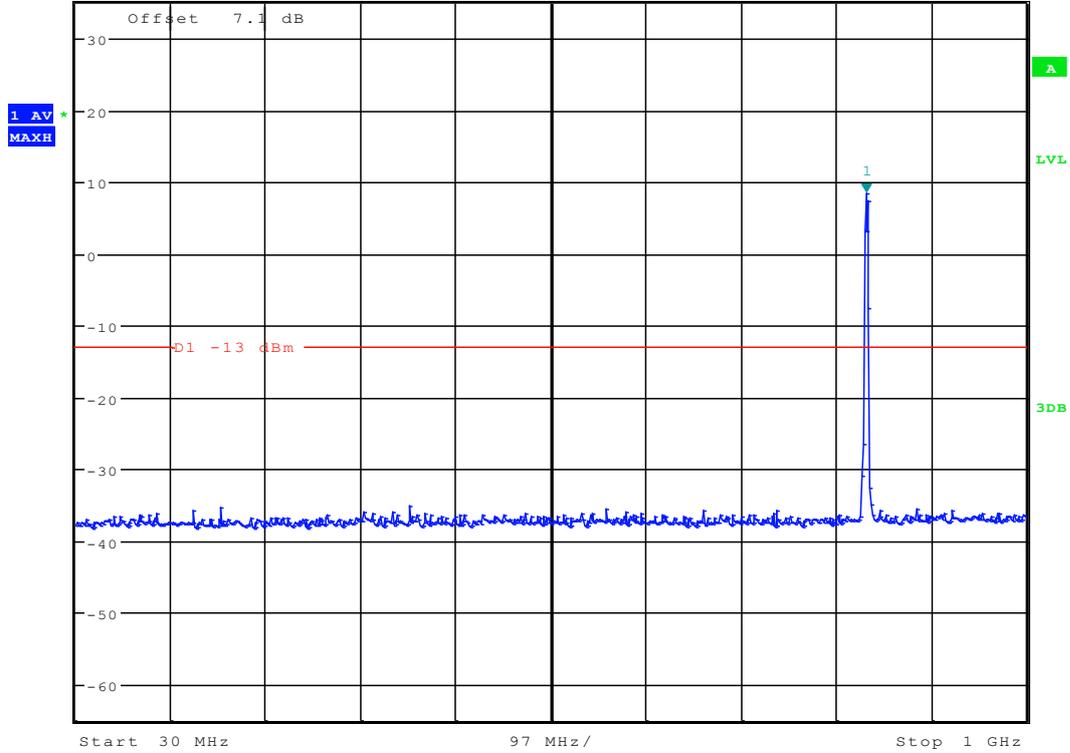


* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -38.23 dBm
SWT 300 ms 150.000000000 kHz





Ref 35 dBm Att 55 dB SWT 100 ms
*RBW 100 kHz *VBW 300 kHz
Marker 1 [T1] 8.40 dBm
836.778846154 MHz





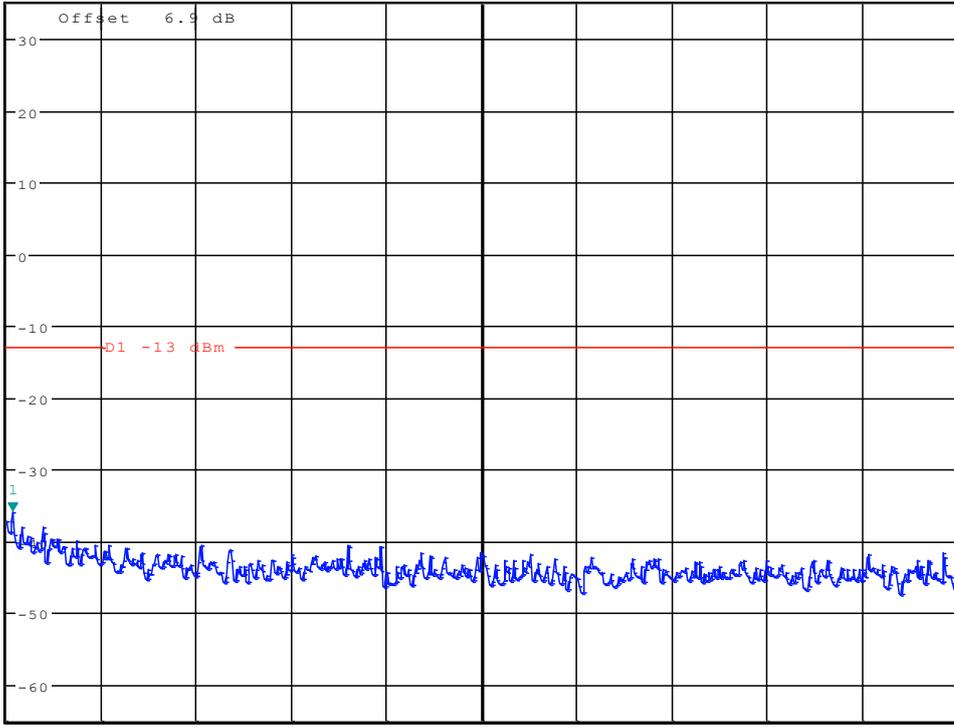
Channel 4233



*RBW 1 kHz Marker 1 [T1]
*VBW 10 kHz -35.93 dBm
SWT 145 ms 9.903846154 kHz

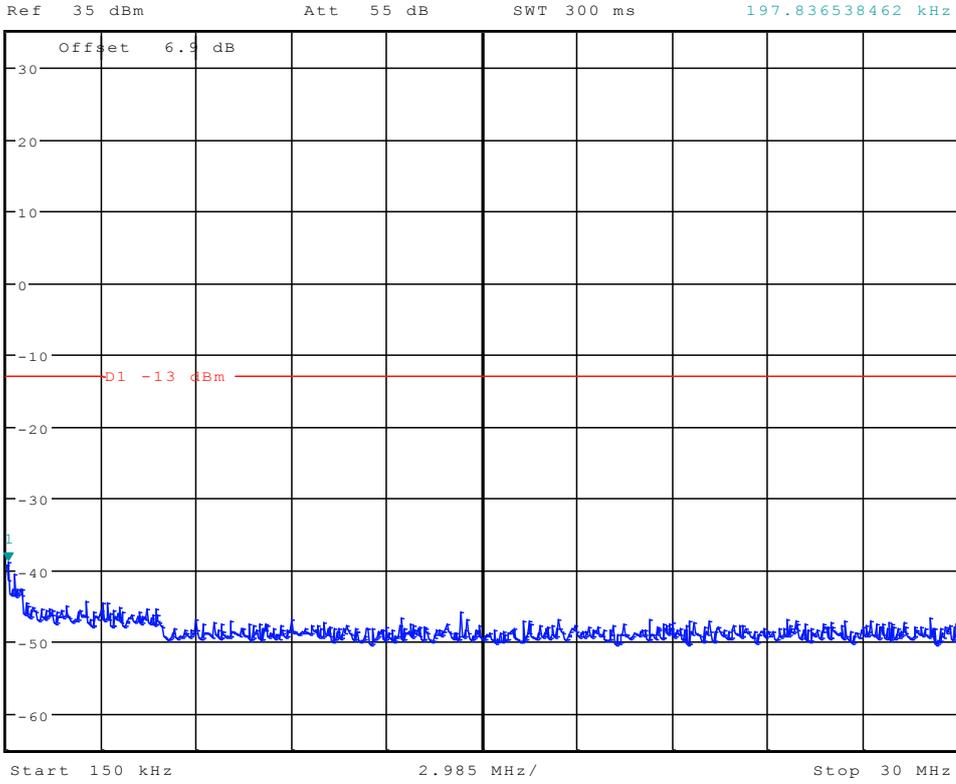
Ref 35 dBm

Att 55 dB



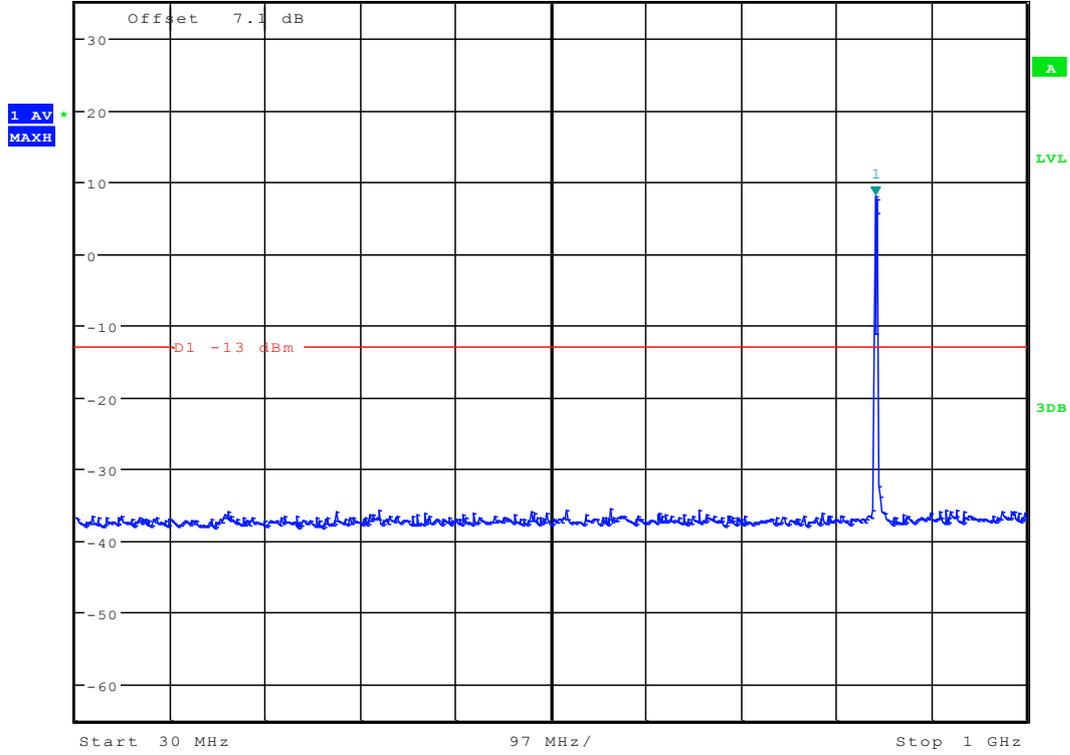


* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -38.90 dBm
SWT 300 ms 197.836538462 kHz





Ref 35 dBm Att 55 dB SWT 100 ms
*RBW 100 kHz *VBW 300 kHz
Marker 1 [T1] 7.92 dBm
846.105769231 MHz





* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz -26.55 dBm
SWT 70 ms 2.845352564 GHz

