



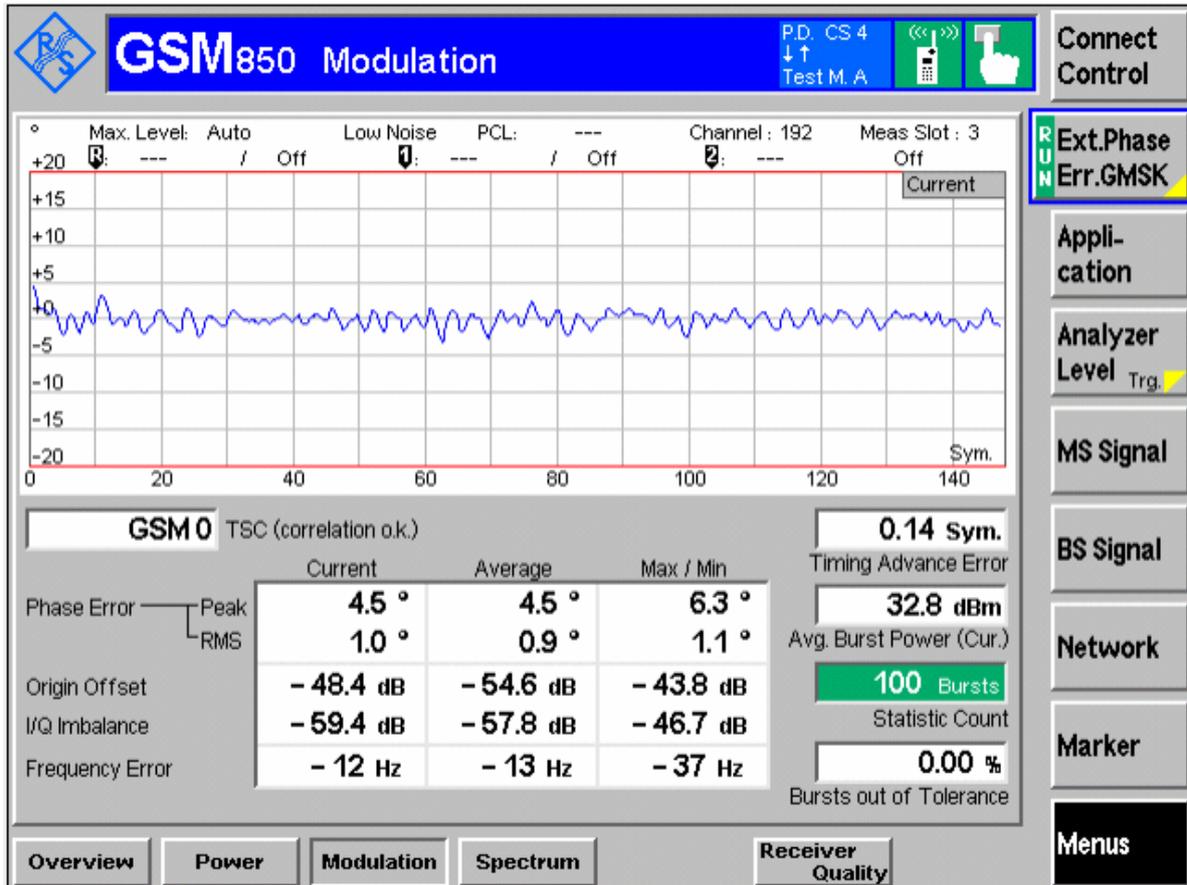
Appendix A

Modulation Characteristics

According to FCC Part 2.1047 & Part22 Subpart H

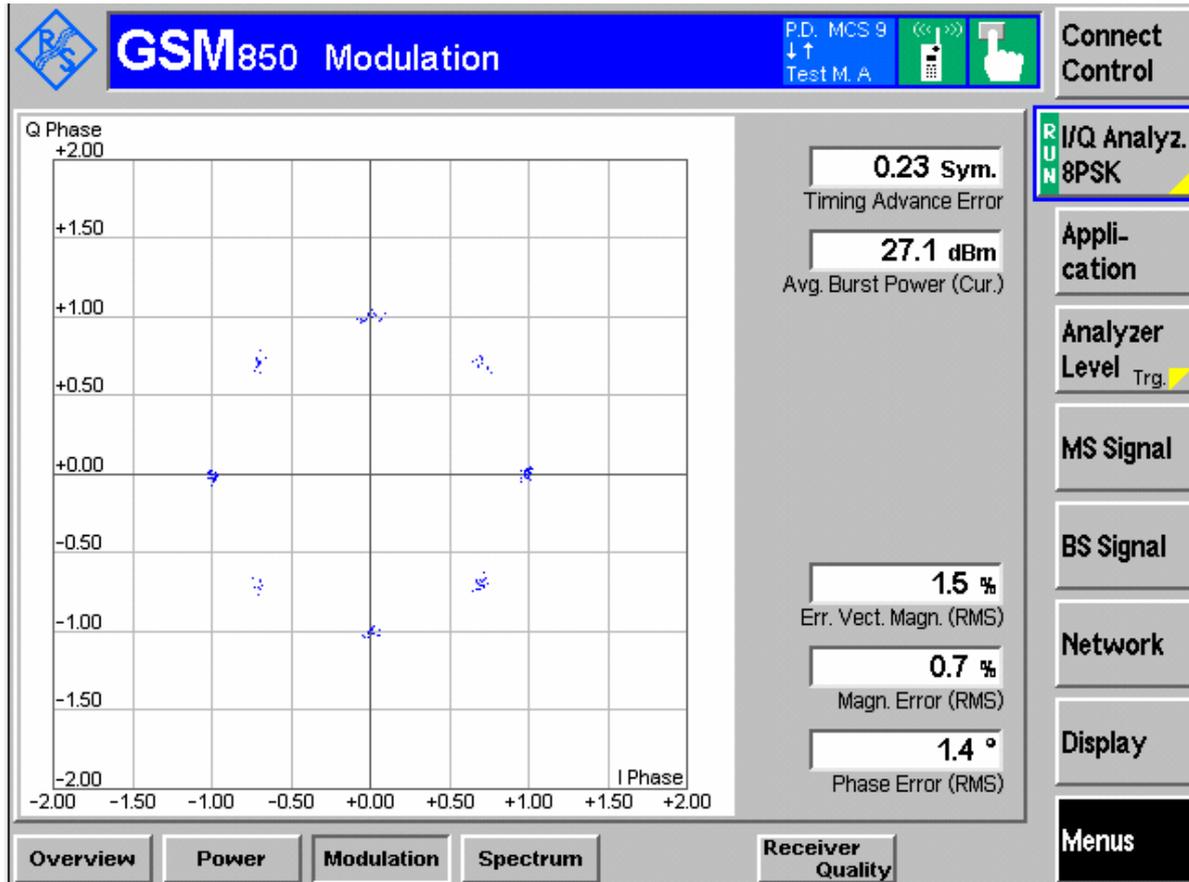


Channel 192 (TM1:GPRS/GSM)





Channel 192 (TM2:EDGE)





FCC RF Test Report of U3220
FCC ID: QISU3220



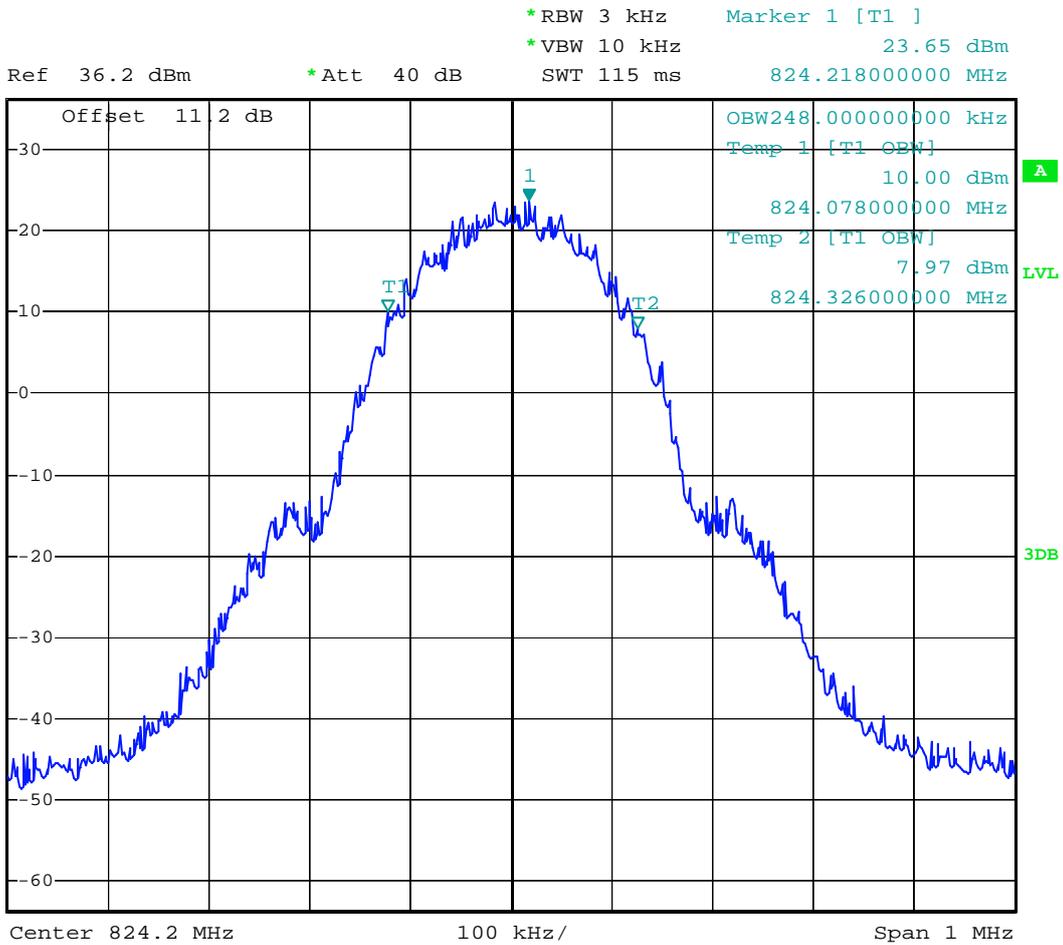
Appendix B

Occupied Bandwidth

According to FCC Part 2.1049 & Part 22 Subpart H



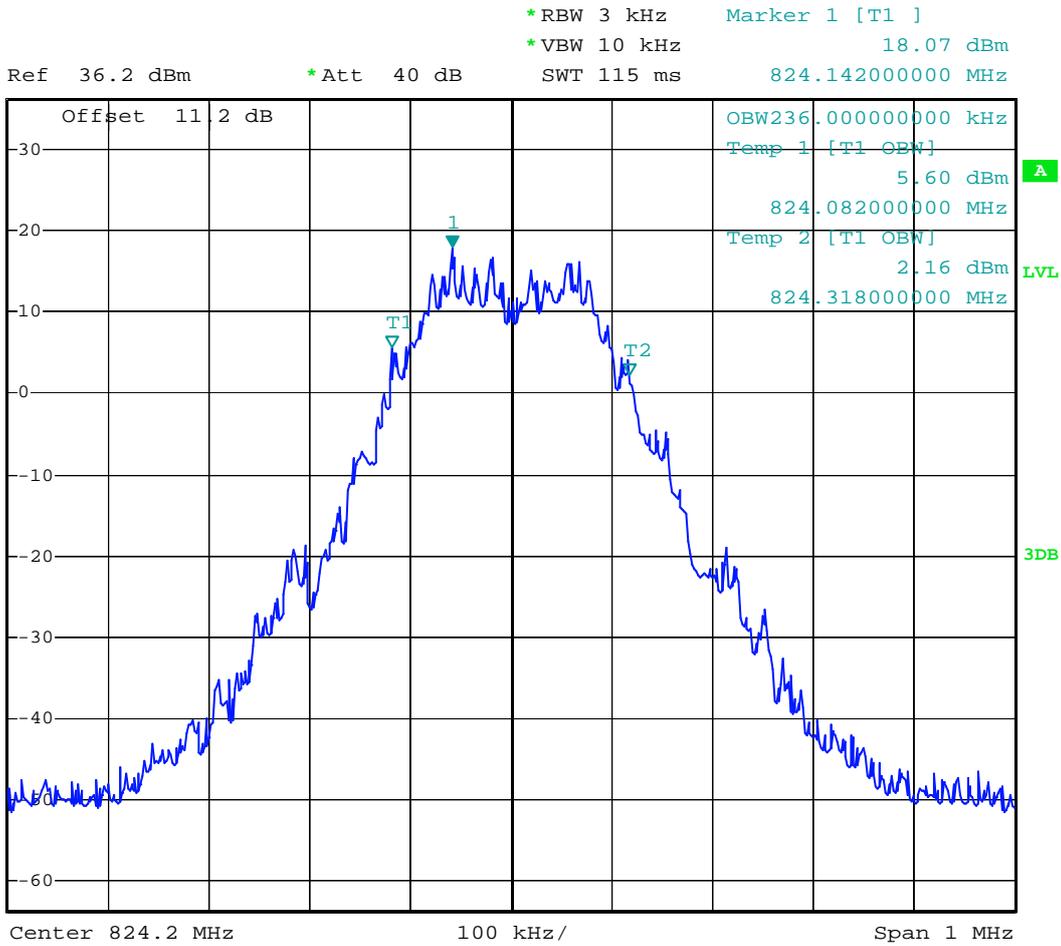
Channel 128 (TM1:GPRS/GSM)



Date: 16.NOV.2010 00:15:59



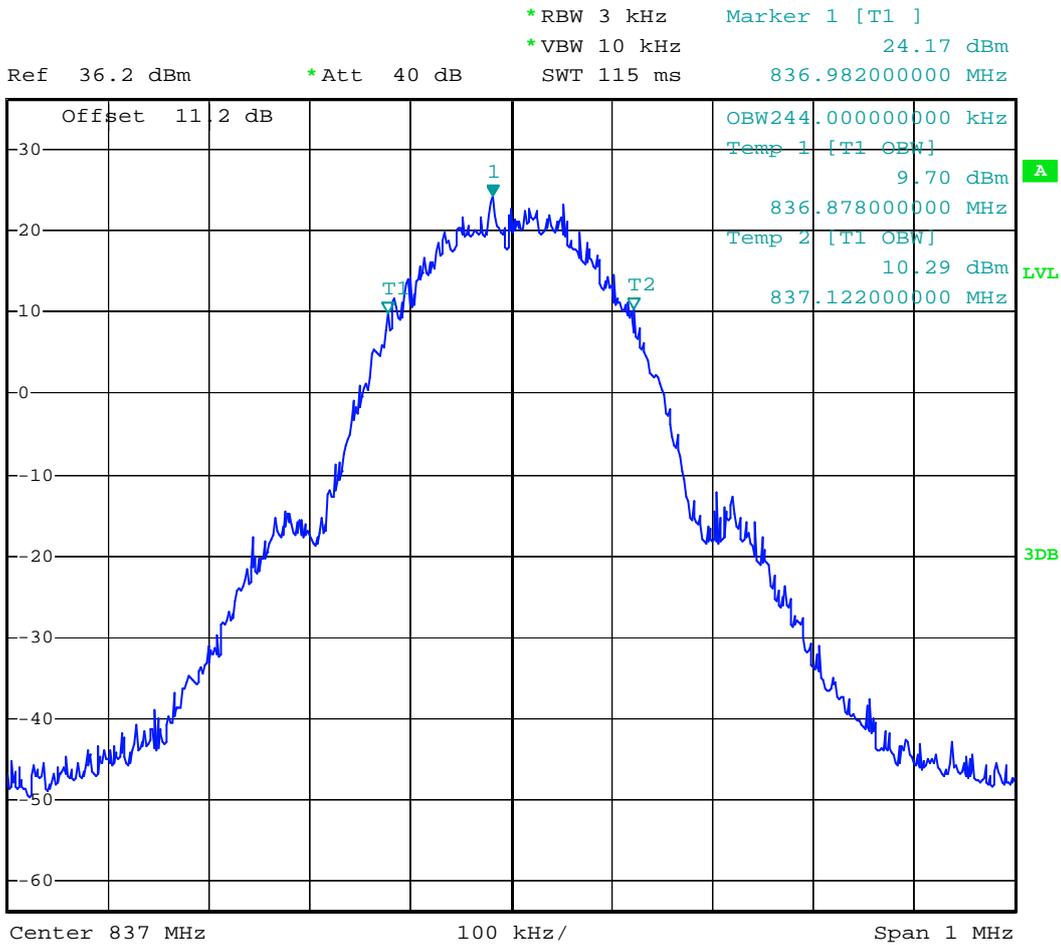
Channel 128 (TM2:EDGE)



Date: 16.NOV.2010 01:15:09



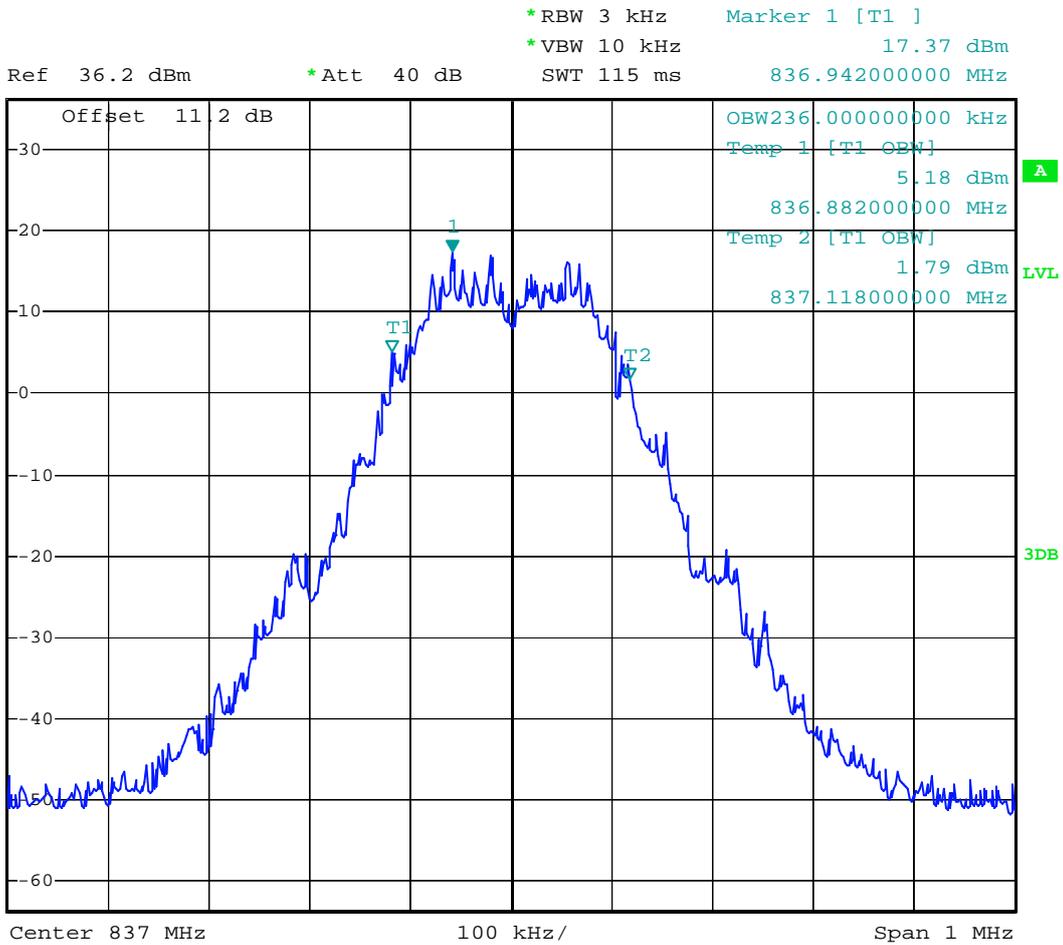
Channel 192 (TM1:GPRS/GSM)



Date: 16.NOV.2010 00:19:46



Channel 192 (TM2:EDGE)



Date: 16.NOV.2010 01:16:46

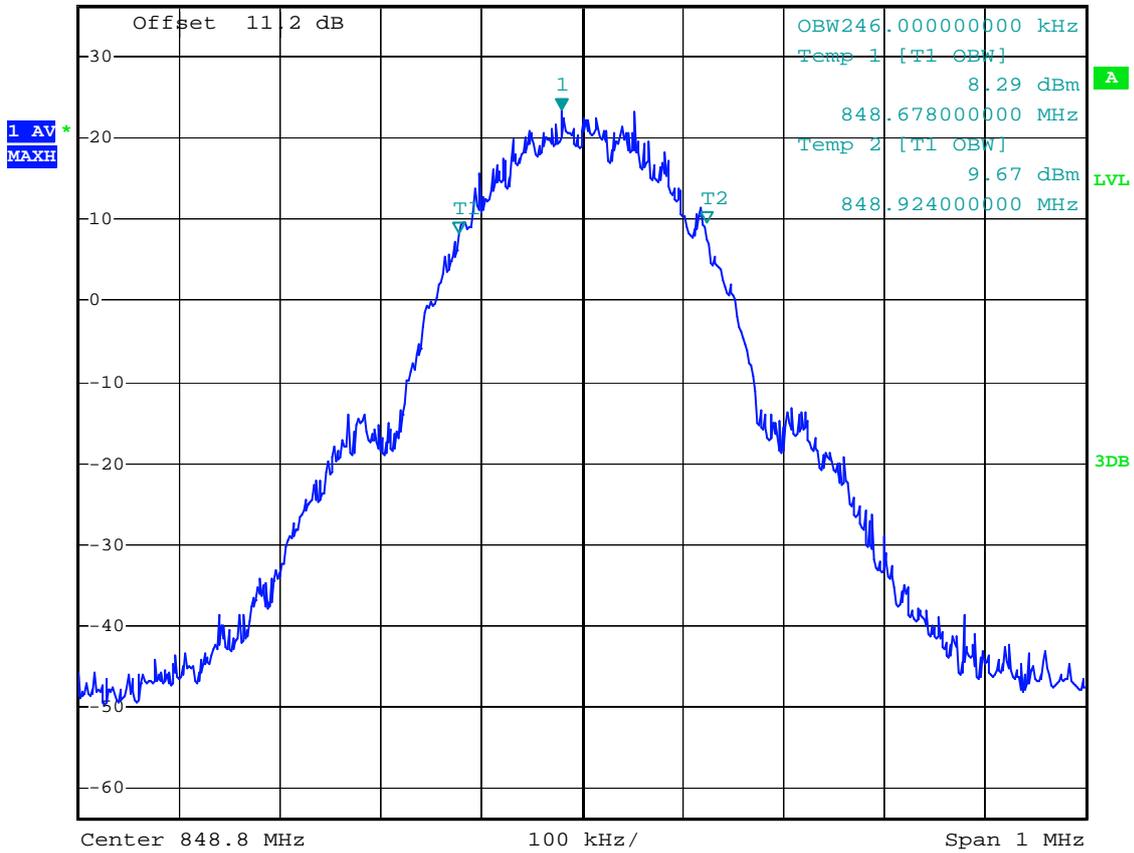


Channel 251 (TM1:GPRS/GSM)



Ref 36.2 dBm *Att 40 dB SWT 115 ms 848.78000000 MHz

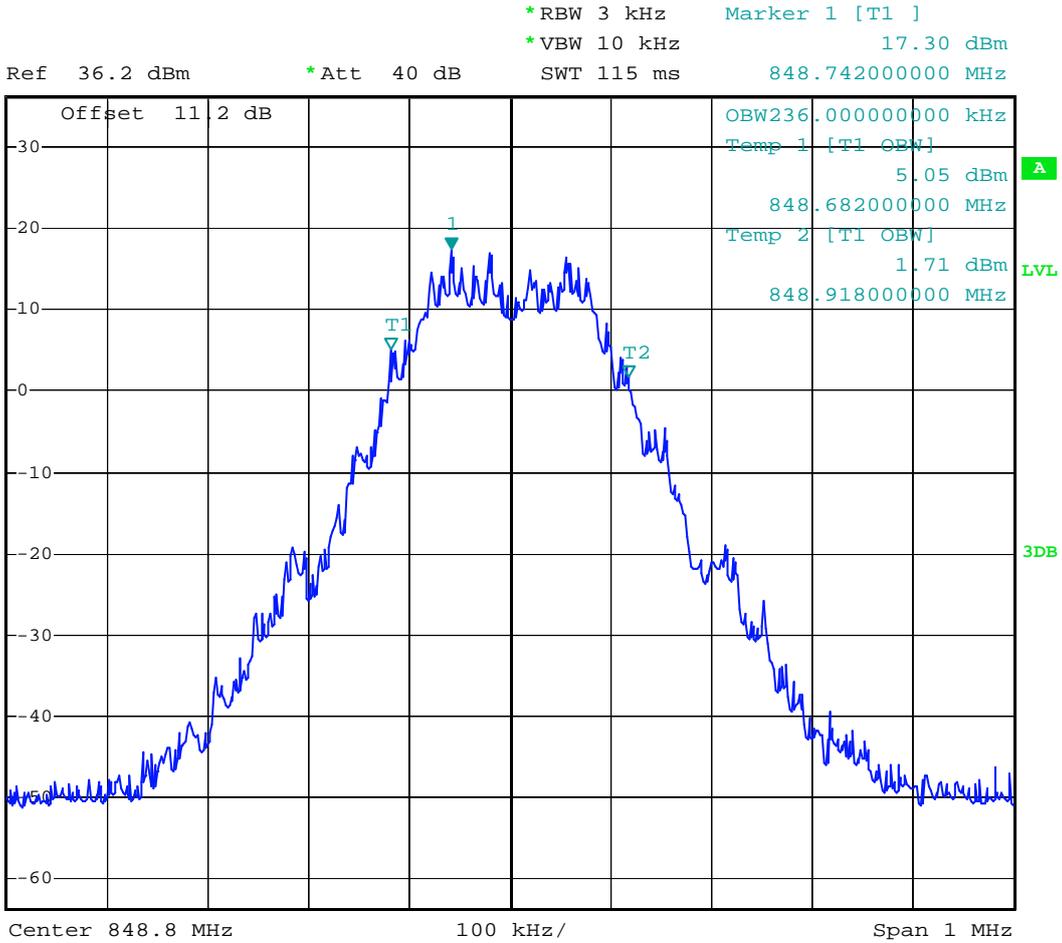
*RBW 3 kHz Marker 1 [T1] 23.56 dBm
*VBW 10 kHz



Date: 16.NOV.2010 00:22:26



Channel 251 (TM2:EDGE)



Date: 16.NOV.2010 01:18:26



Appendix C

Band Edges Compliance

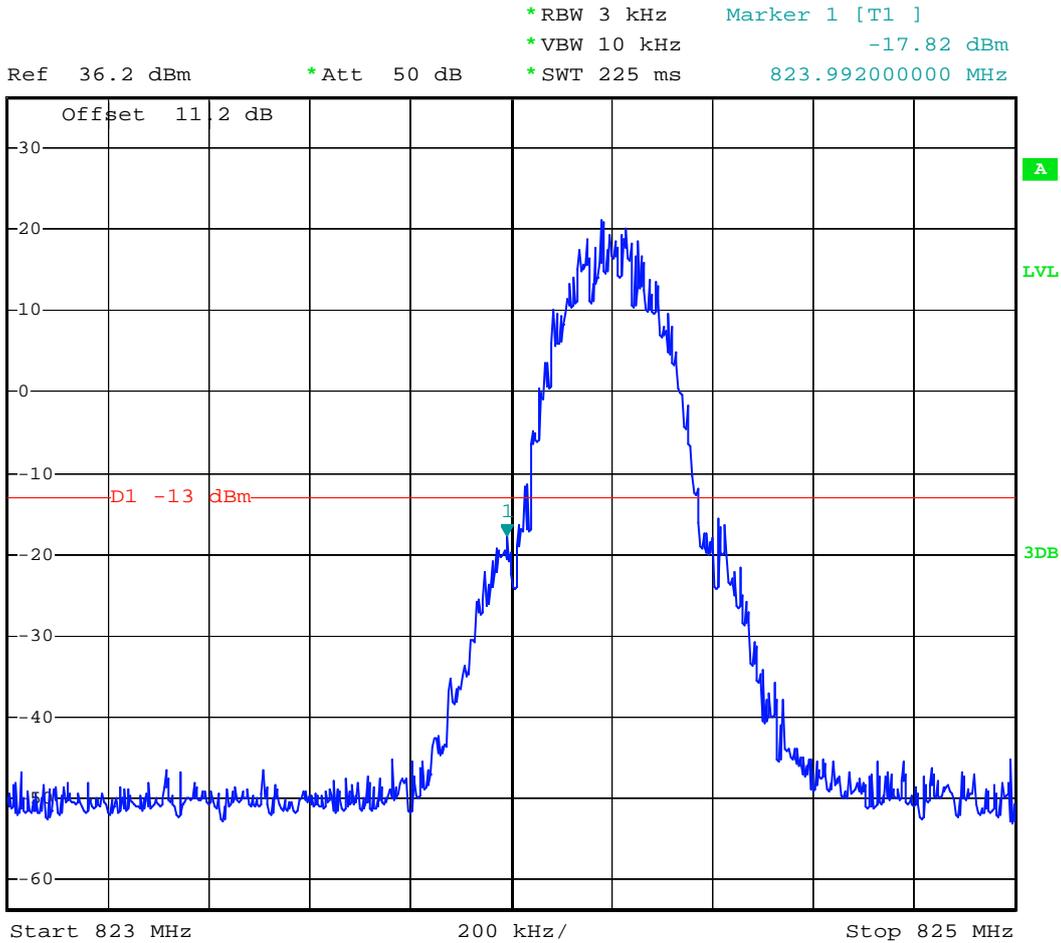
According to FCC Part 2.1051 & Part22 Subpart H



TM1:GPRS/GSM

Left Edge

Channel 128



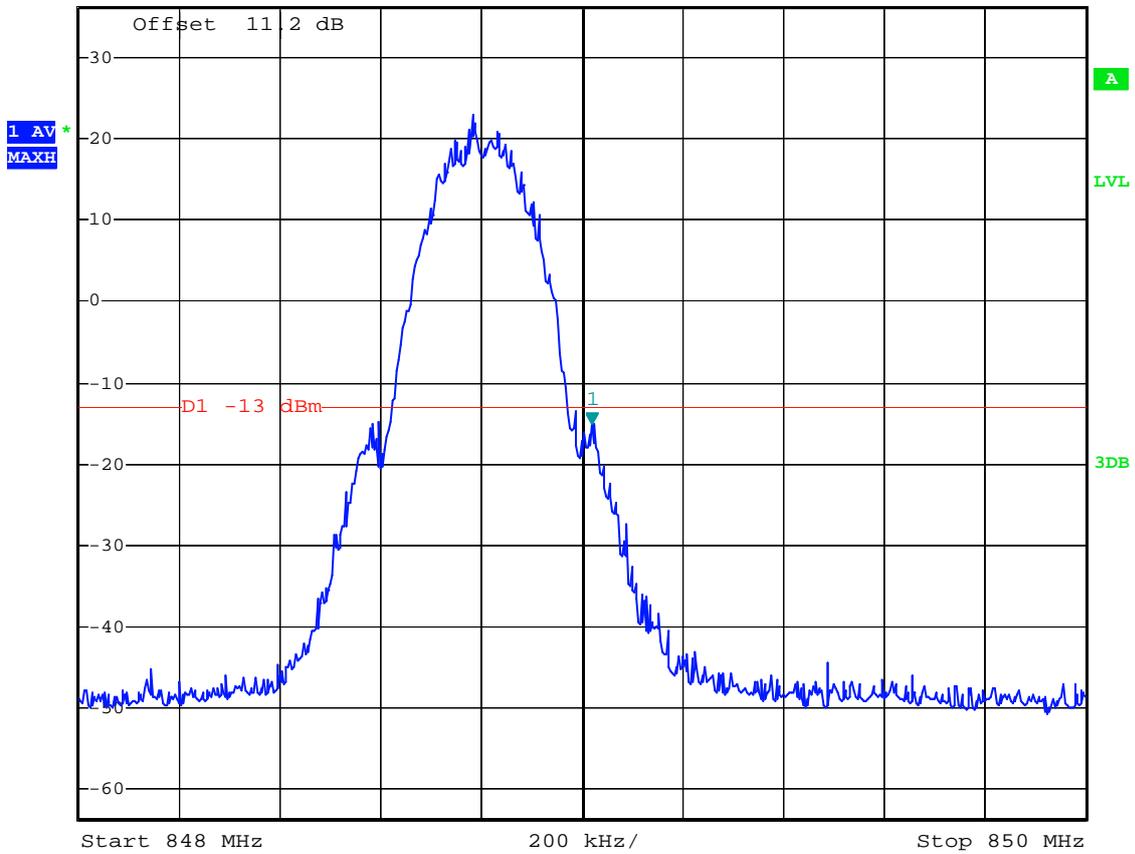
Date: 20.NOV.2010 06:55:36



Right Edge Channel 251



Ref 36.2 dBm *Att 50 dB *RBW 3 kHz Marker 1 [T1]
 *VBW 10 kHz -15.06 dBm
 *SWT 225 ms 849.02000000 MHz



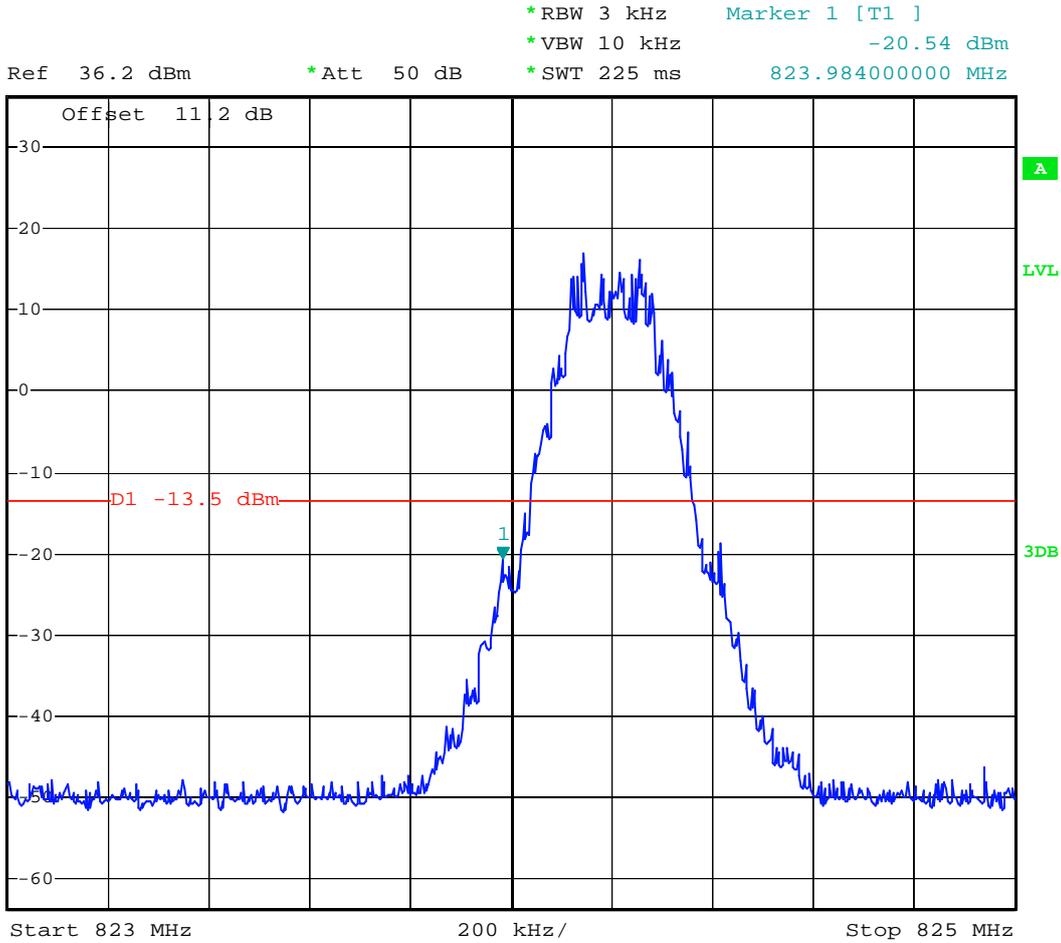
Date: 20.NOV.2010 06:59:28



TM2:EDGE

Left Edge

Channel 128



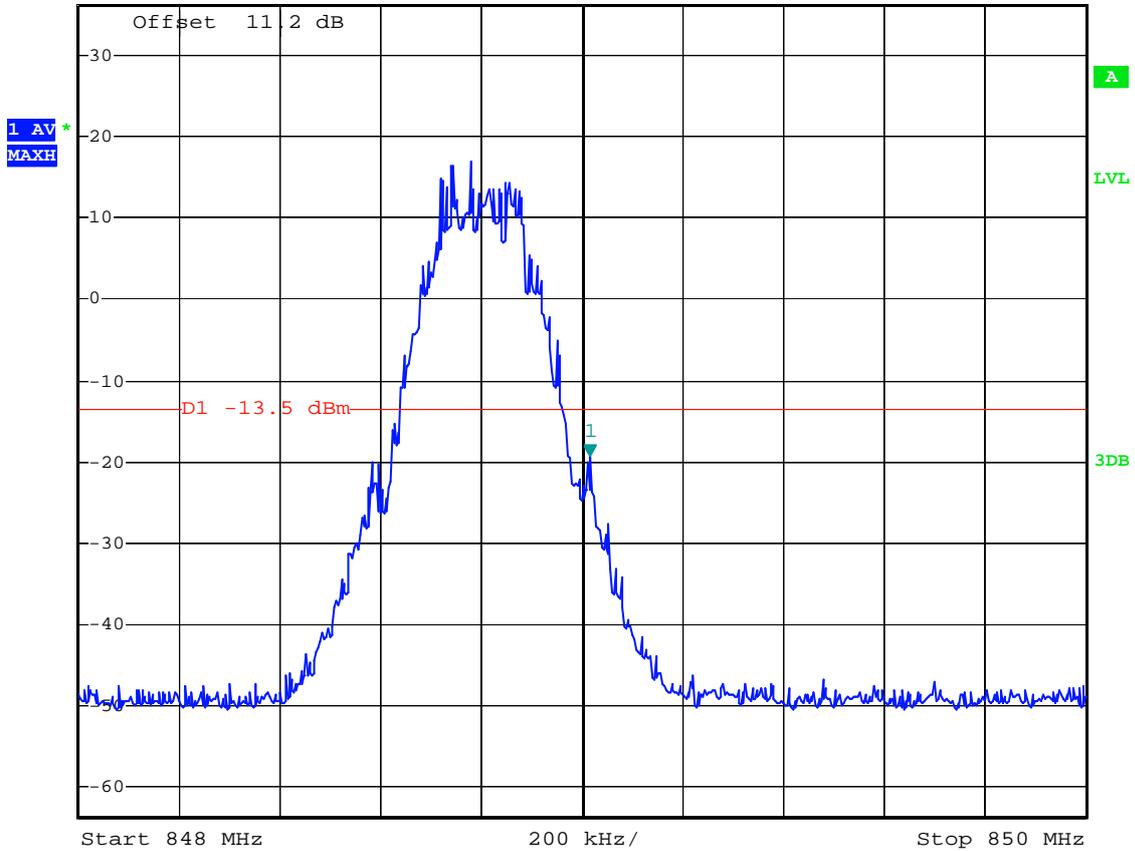
Date: 20.NOV.2010 07:14:50



Right Edge Channel 251



Ref 36.2 dBm *Att 50 dB *RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -19.33 dBm
*SWT 225 ms 849.01600000 MHz



Date: 20.NOV.2010 07:18:37



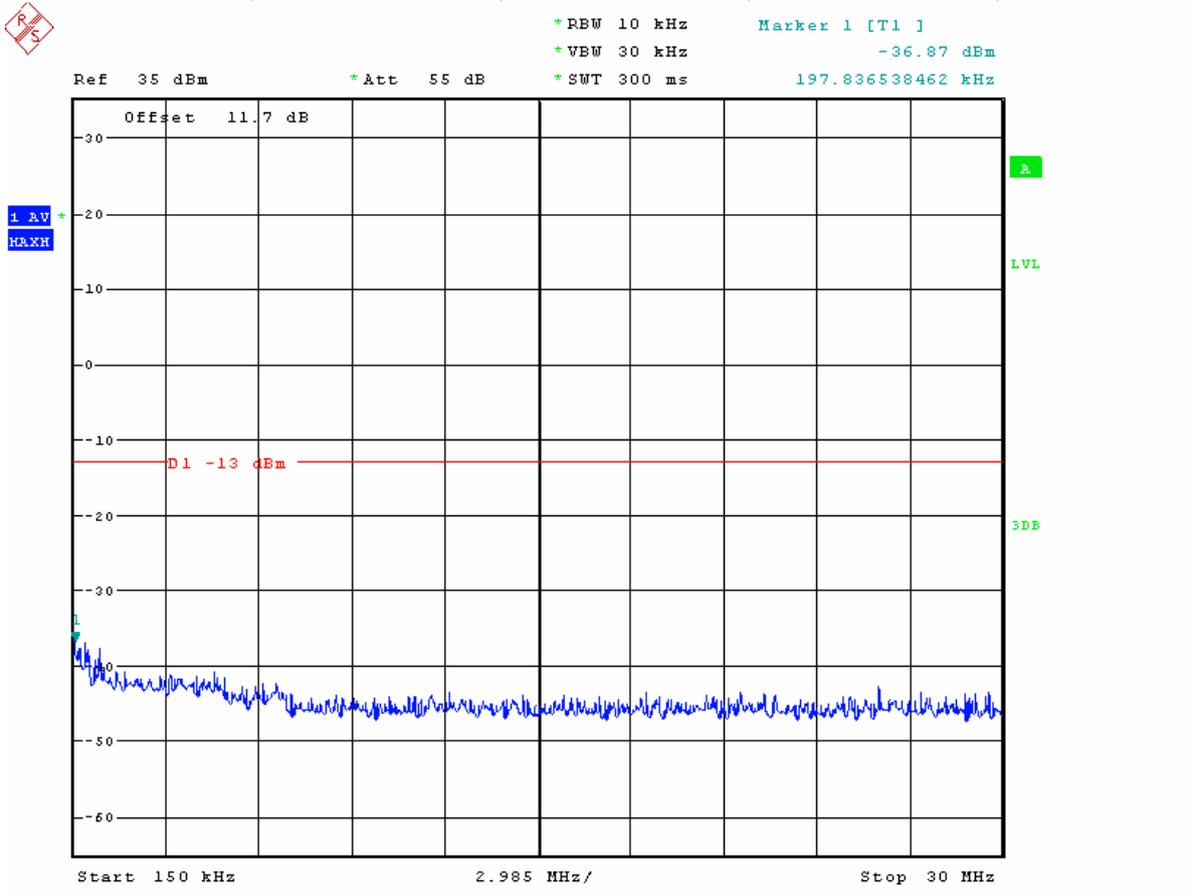
FCC RF Test Report of U3220
FCC ID: QISU3220



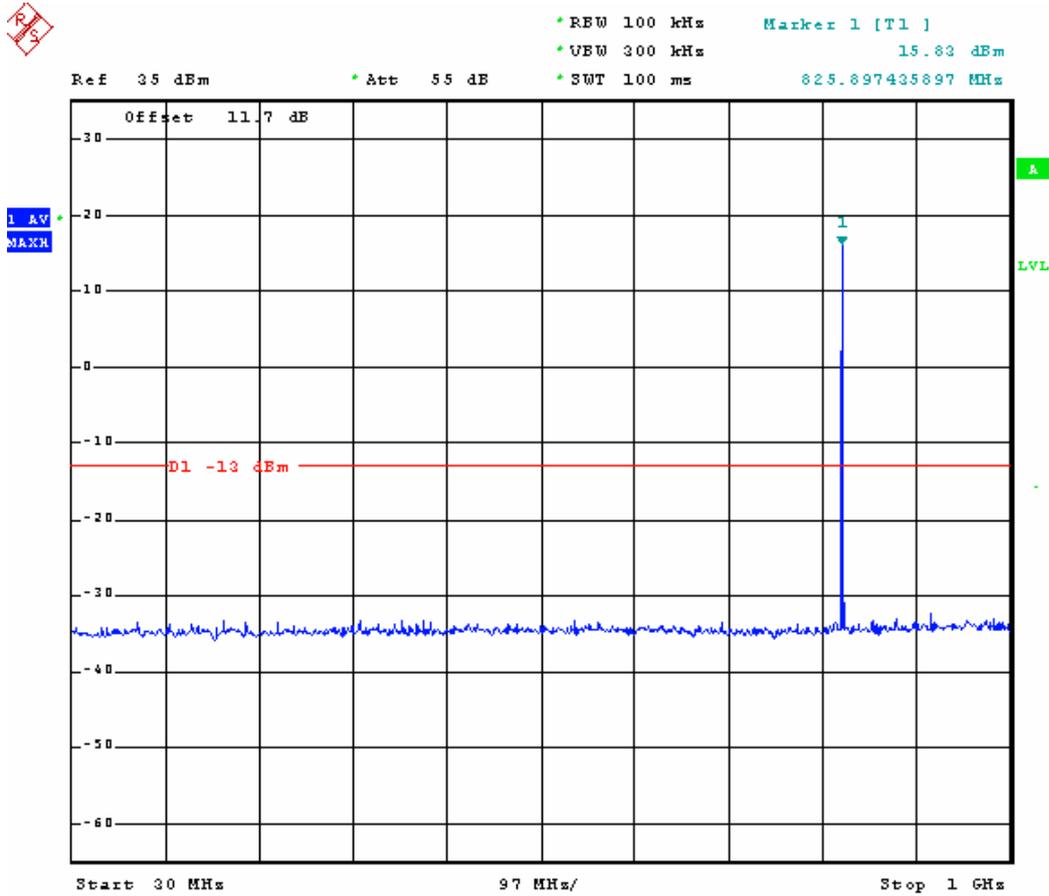
Appendix D

Spurious Emission at Antenna Terminal

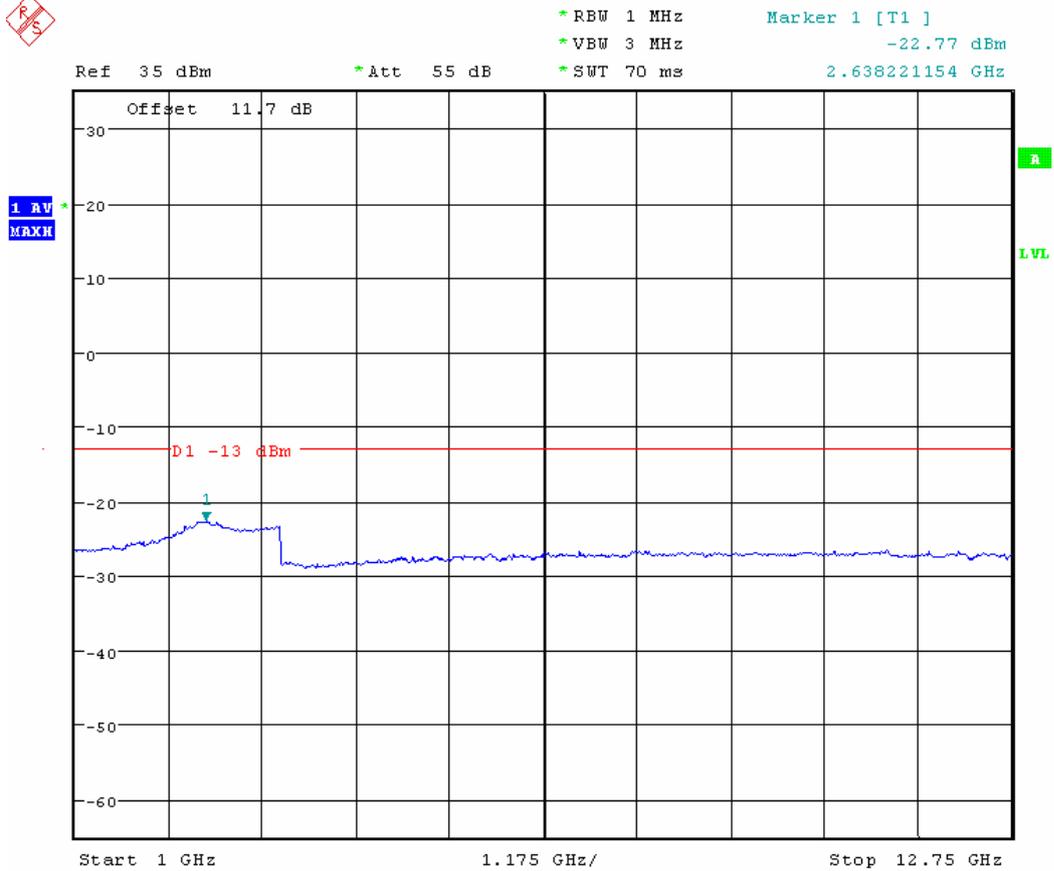
According to FCC Part 2.1051 & Part22 Subpart H



Date: 20.NOV.2010 11:21:48



Date: 19.NOV.2010 17:18:37



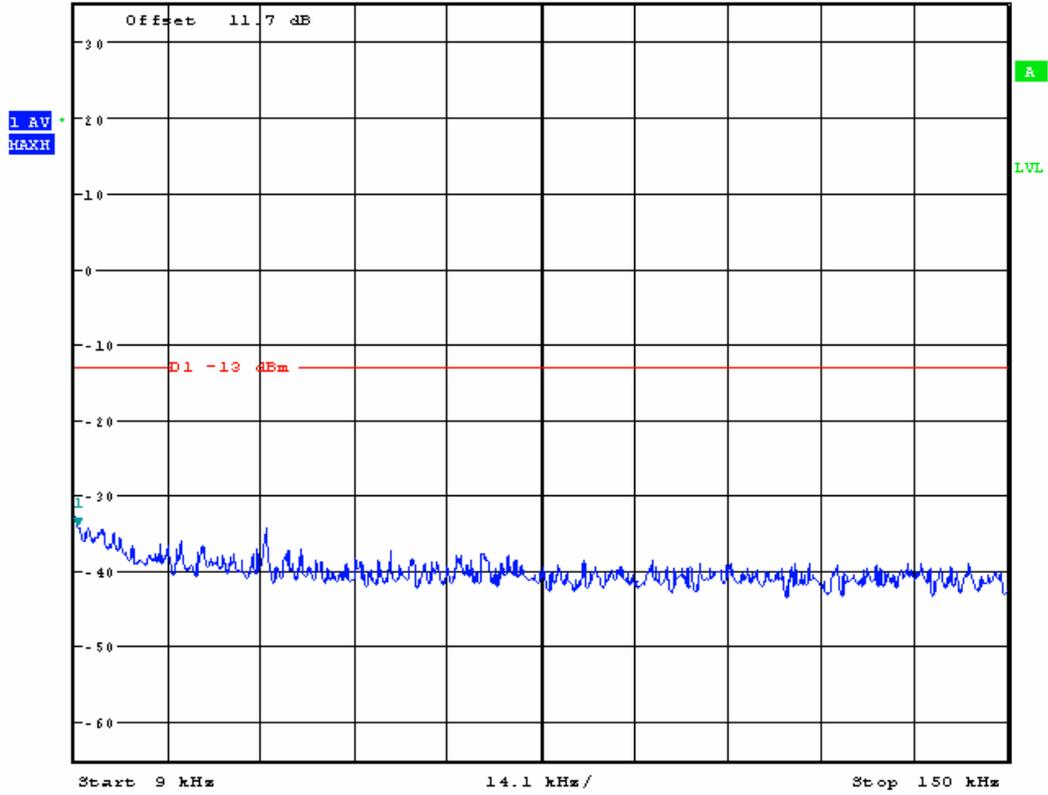
Date: 19.NOV.2010 17:28:28



Channel192



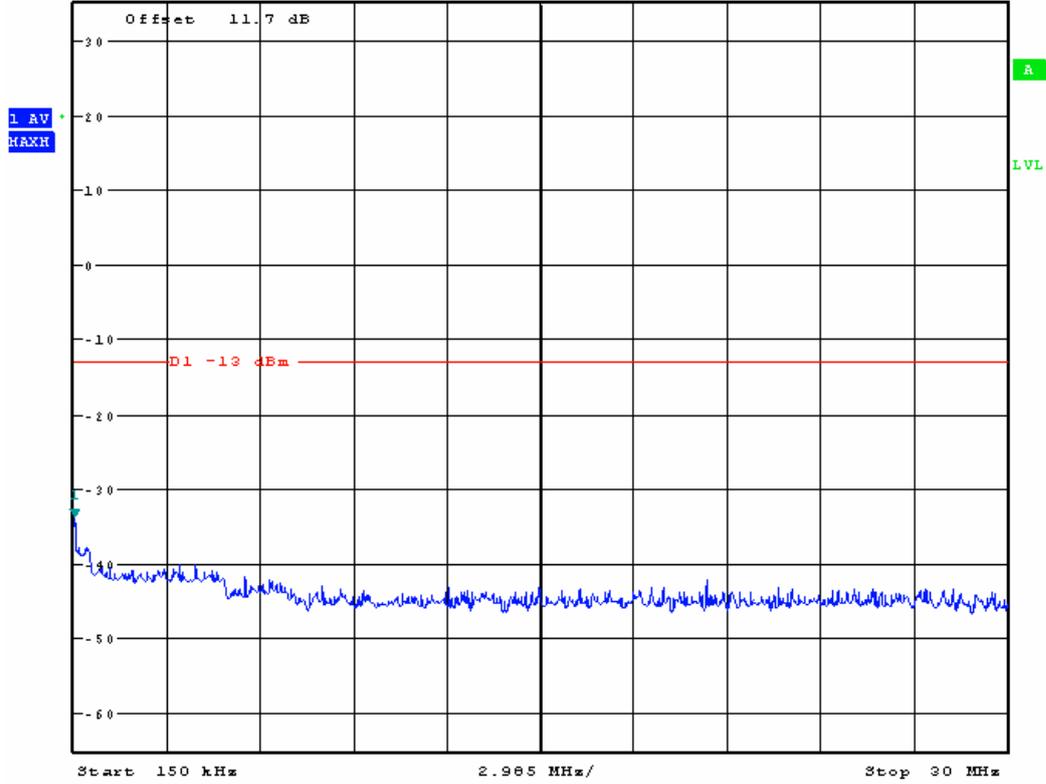
Ref 35 dBm * Att 55 dB * RBW 1 kHz Marker 1 [T1] -34.25 dBm
 * VBW 10 kHz * SWT 145 ms 9.451923077 kHz



Date: 20.NOV.2010 11:17:00



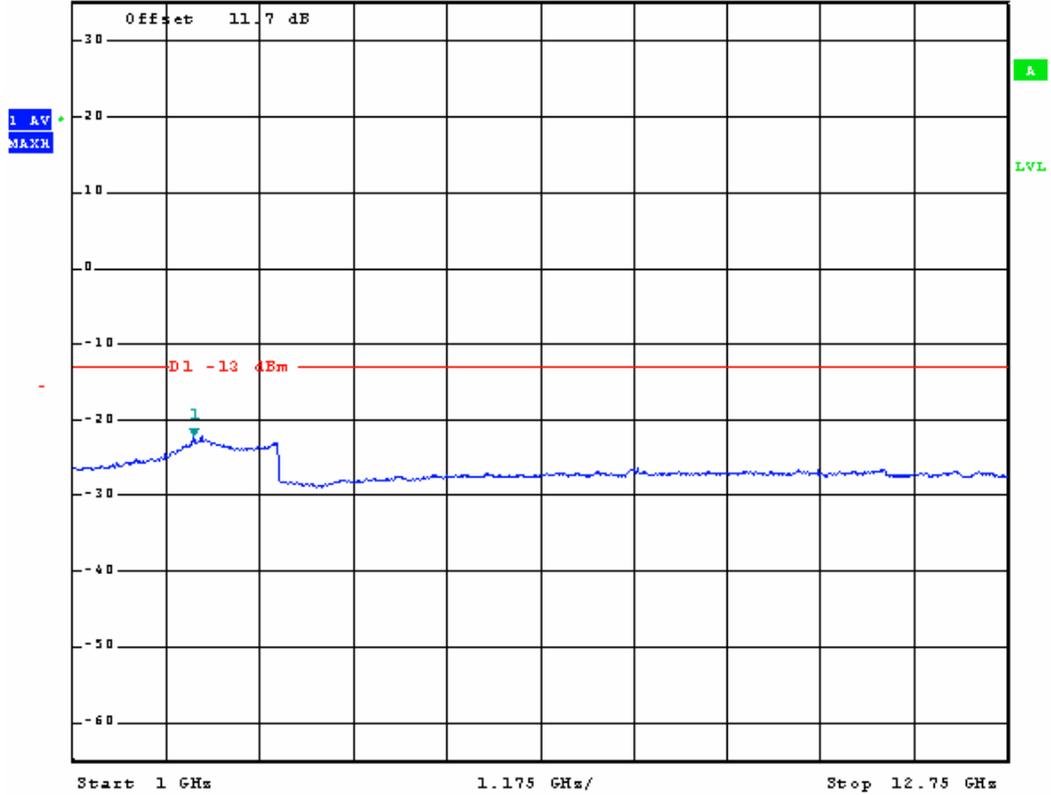
Ref 35 dBm Att 55 dB RBW 10 kHz Marker 1 [T1]
 Offset 11.7 dB VBW 30 kHz -34.04 dBm
 SWT 300 ms 150.000000000 kHz



Date: 20.NOV.2010 11:21:03



Ref 35 dBm Att 55 dB RBW 1 MHz Marker 1 [T1]
 Offset 11.7 dB REW 3 MHz -22.53 dBm
 SWT 70 ms 2.506410256 GHz



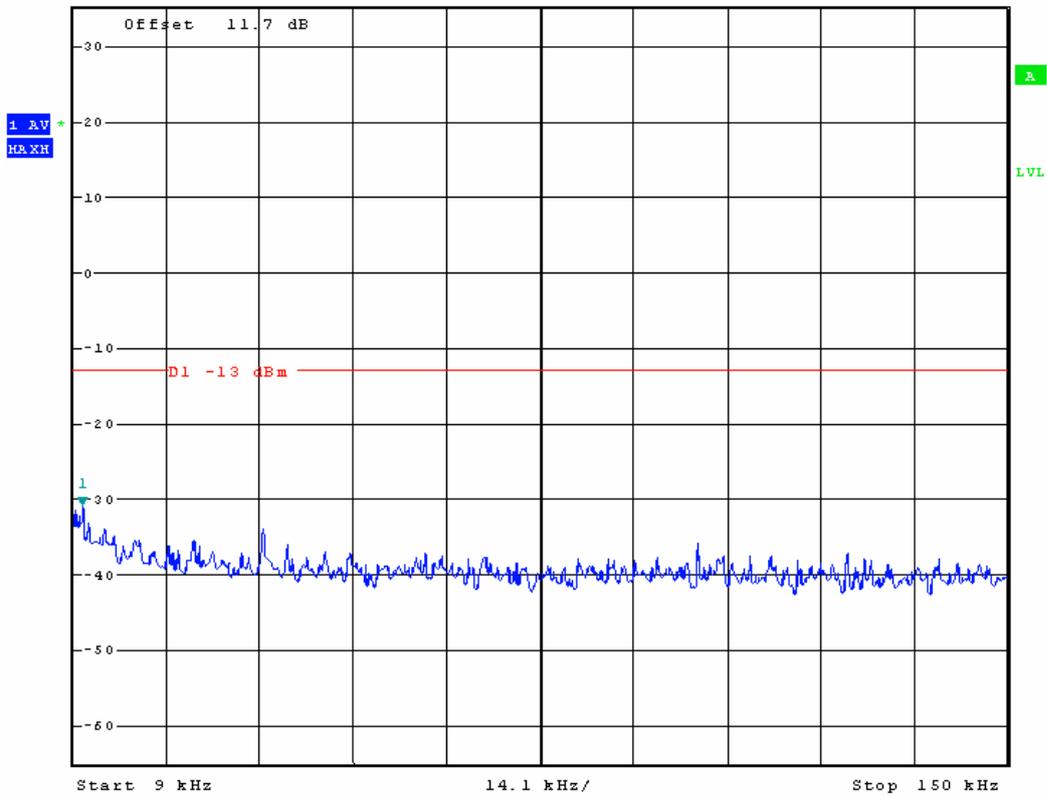
Date: 19.NOV.2010 17:26:02



Channel 251



Ref 35 dBm * Att 55 dB * RBW 1 kHz Marker 1 [T1]
 * VBW 10 kHz -31.04 dBm
 * SWT 145 ms 10.355769231 kHz

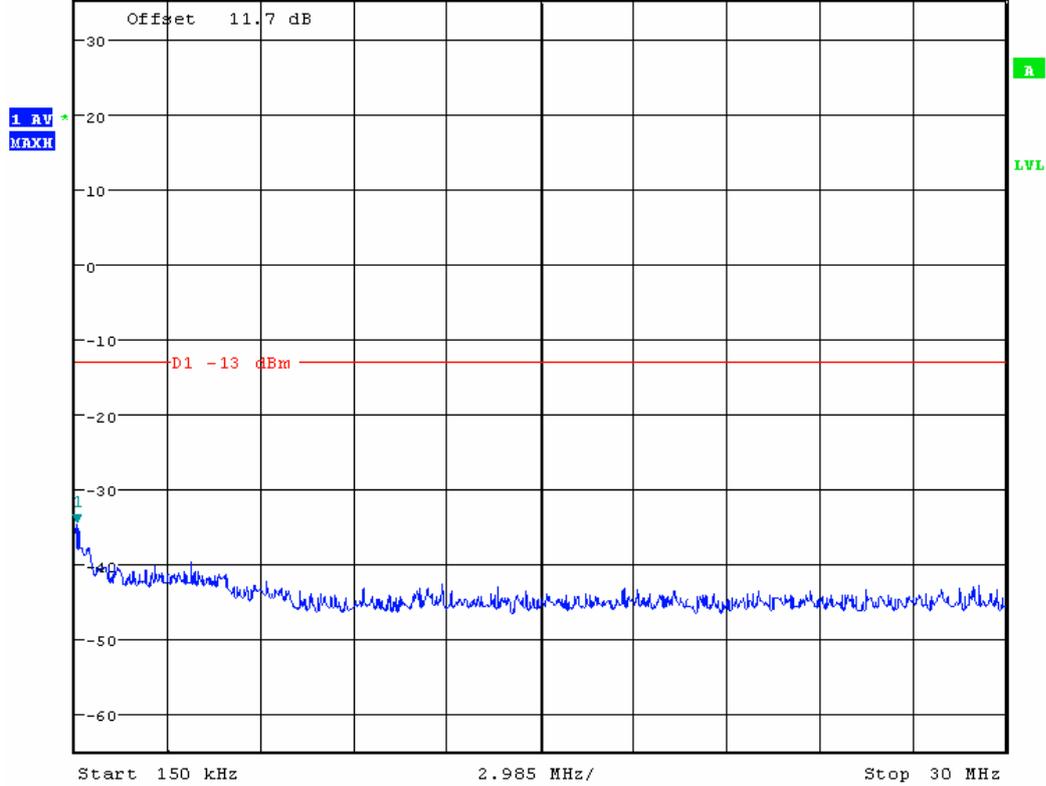


Date: 20.NOV.2010 11:18:01

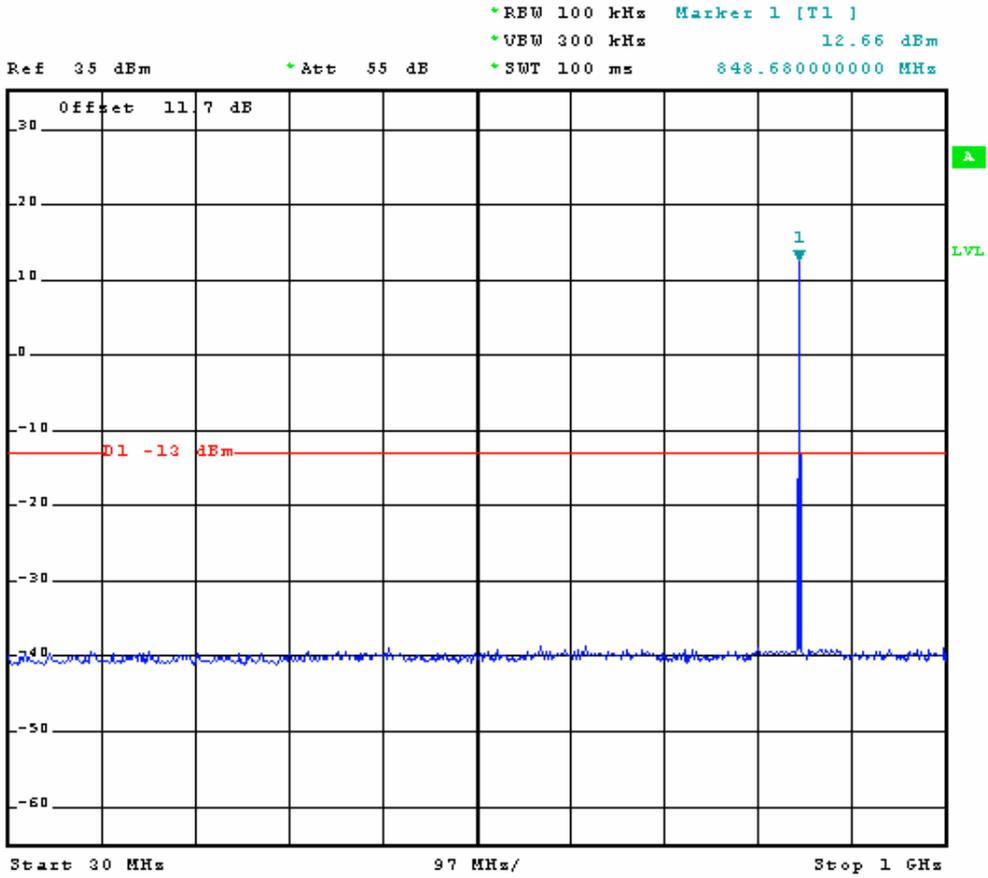


*RBW 10 kHz Marker 1 [T1]
*VBW 30 kHz -34.67 dBm
*SWT 300 ms 197.836538462 kHz

Ref 35 dBm *Att 55 dB



Date: 20.NOV.2010 11:20:10

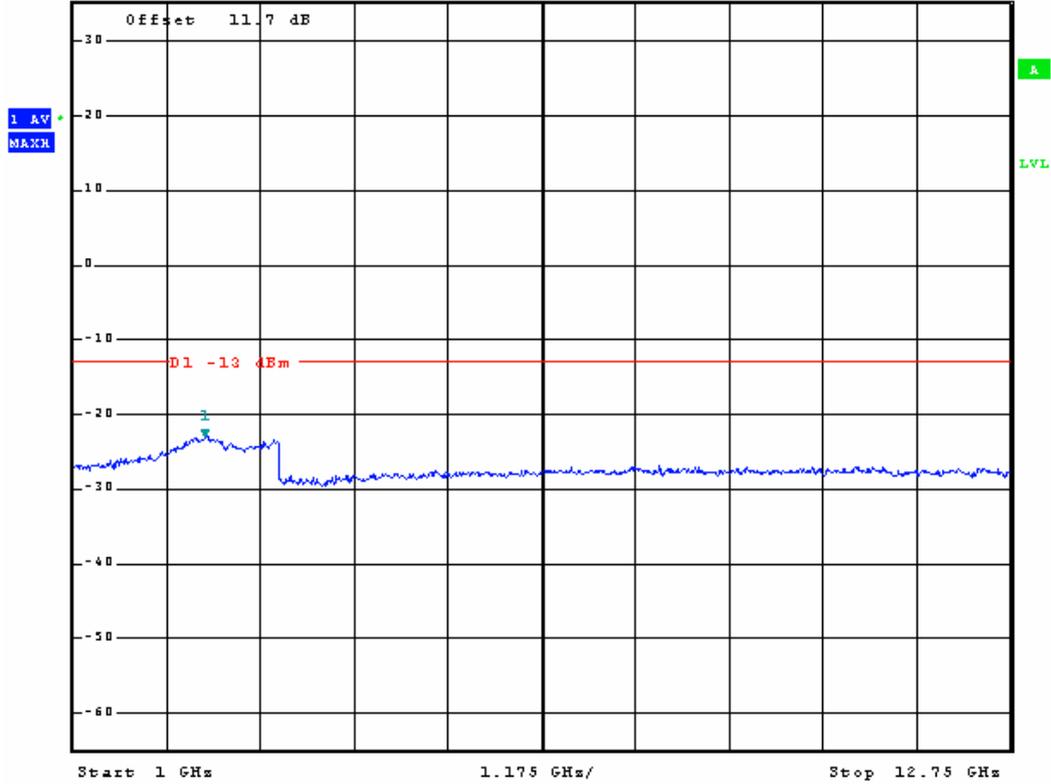


Date: 20.NOV.2010 07:35:02

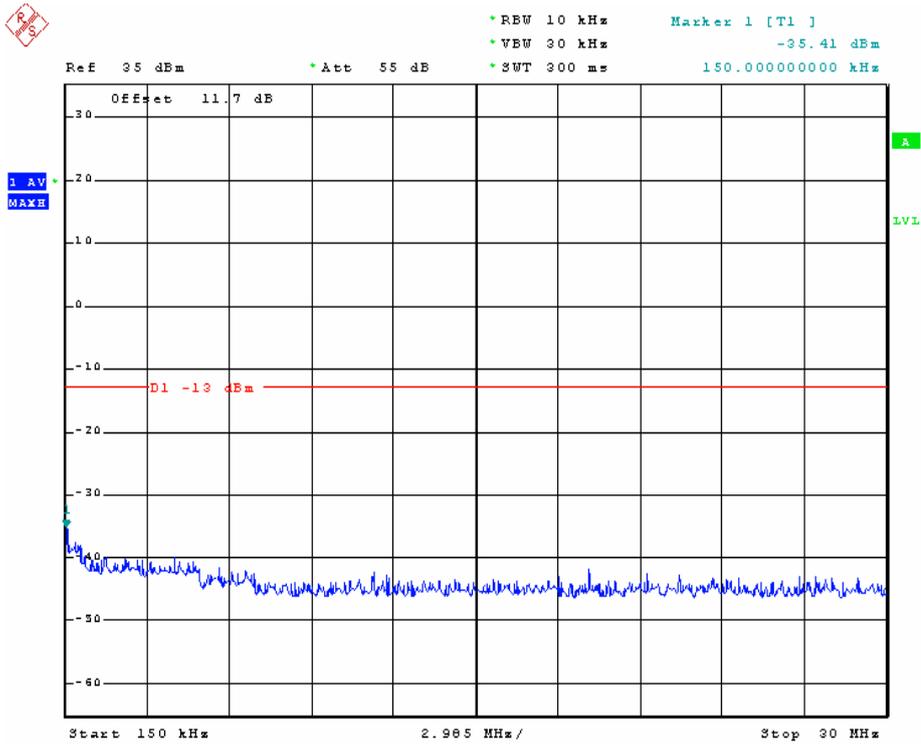




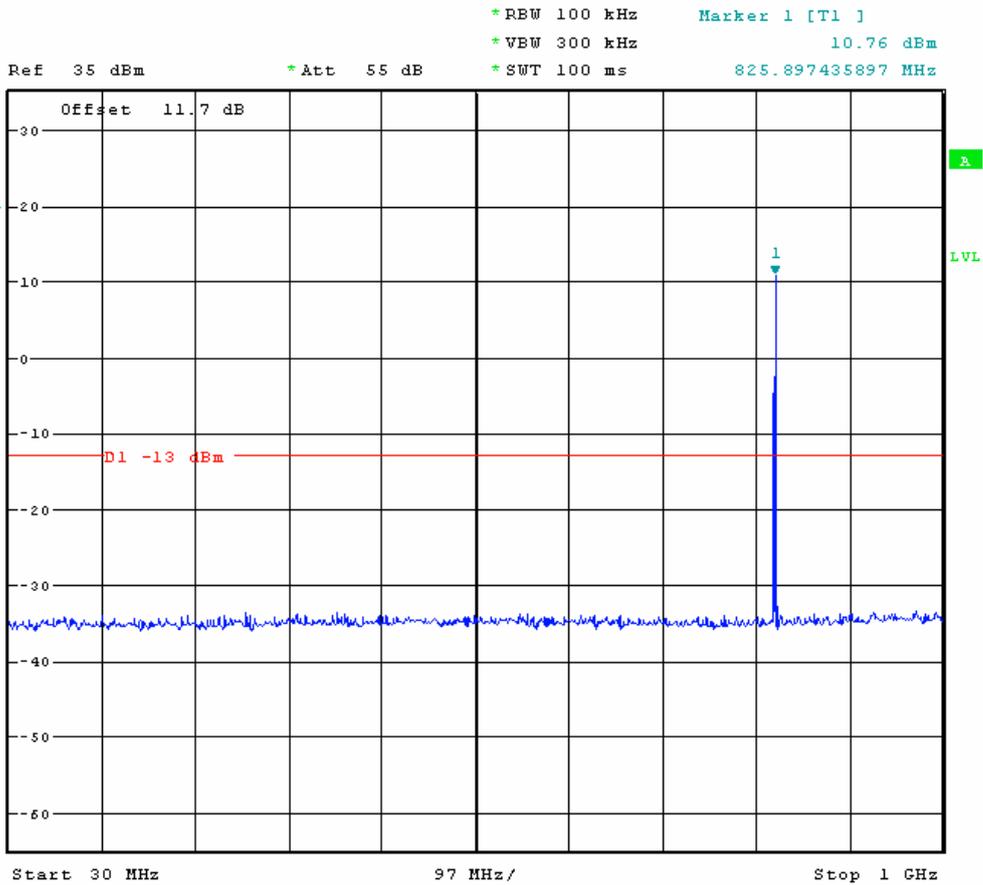
Ref 35 dBm Att 55 dB RBW 1 MHz Marker 1 [T1]
 VBW 3 MHz -23.37 dBm
 SWT 70 ms 2.638221154 GHz



Date: 19.NOV.2010 17:25:20



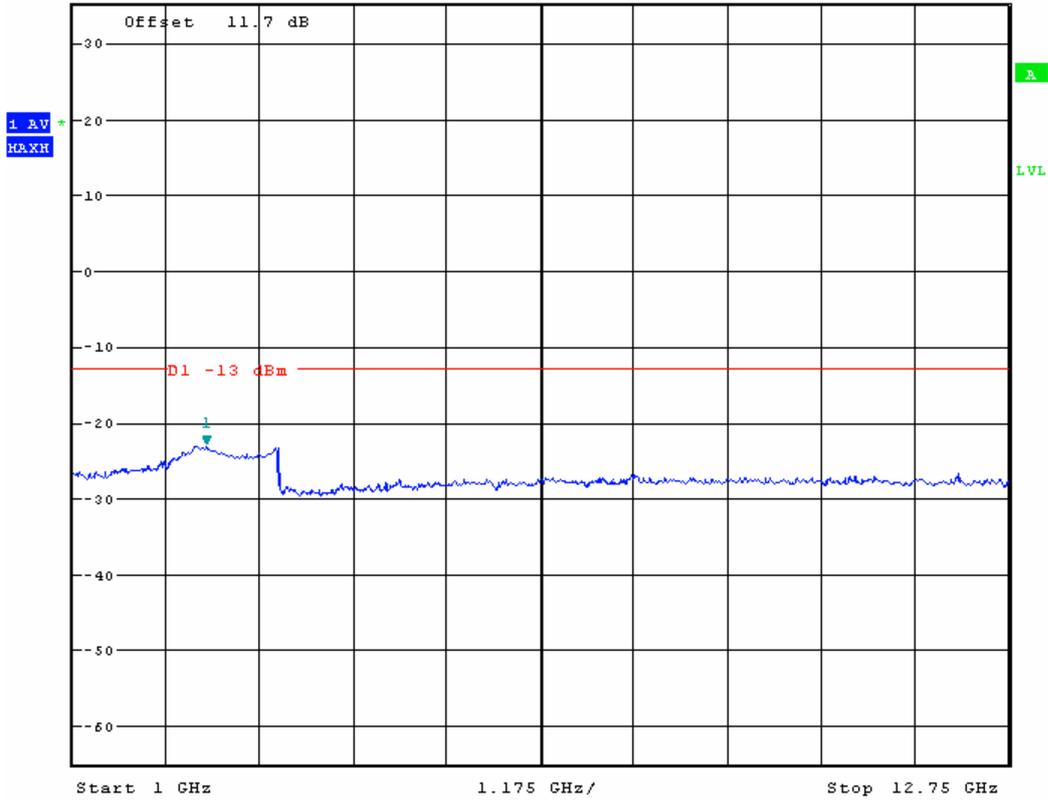
Date: 20.NOV.2010 10:56:40



Date: 19.NOV.2010 17:57:26



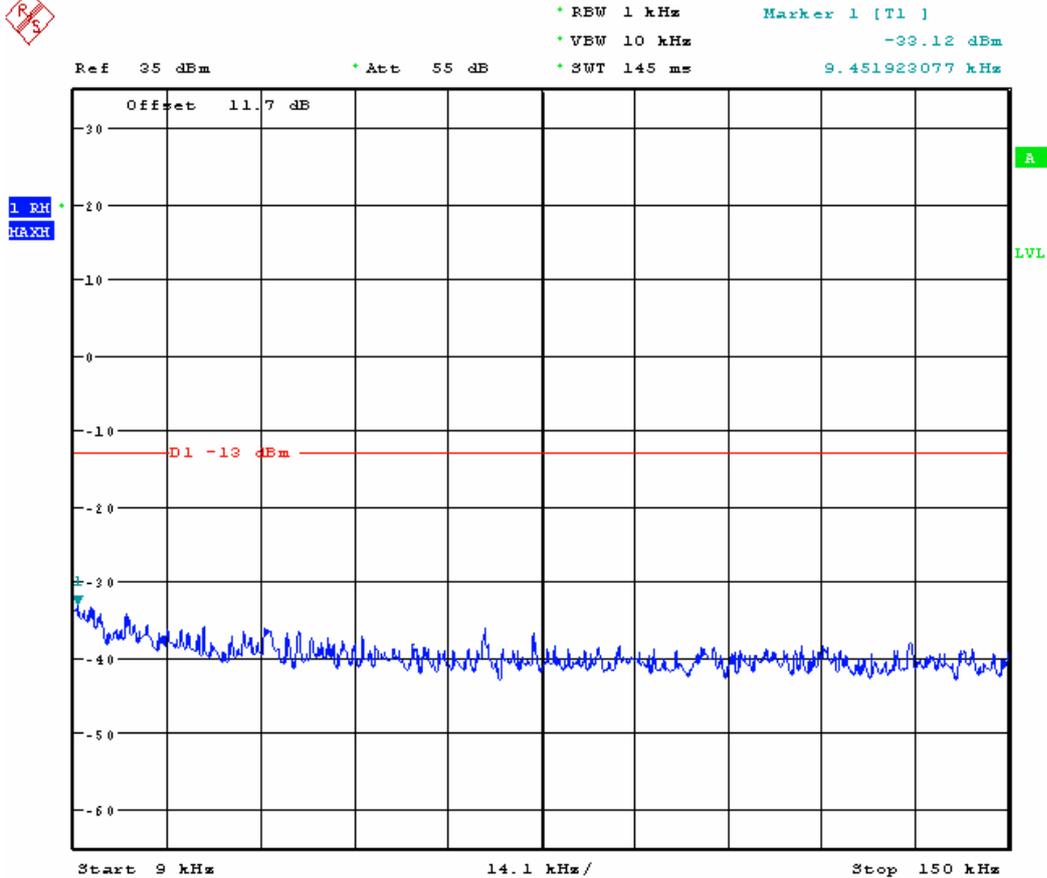
Ref 35 dBm *Att 55 dB *RBW 1 MHz Marker 1 [T1]
*VBW 3 MHz -23.18 dBm
*SWT 70 ms 2.675881410 GHz



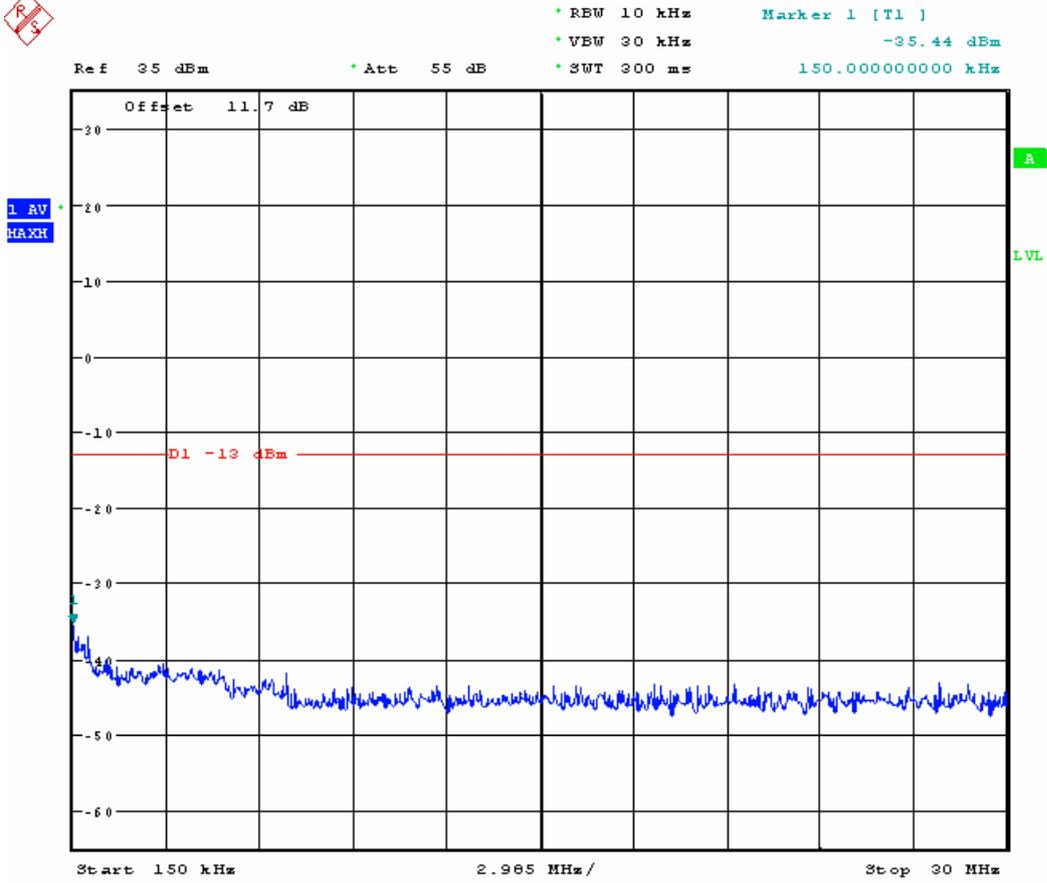
Date: 19.NOV.2010 17:59:52



Channel 192



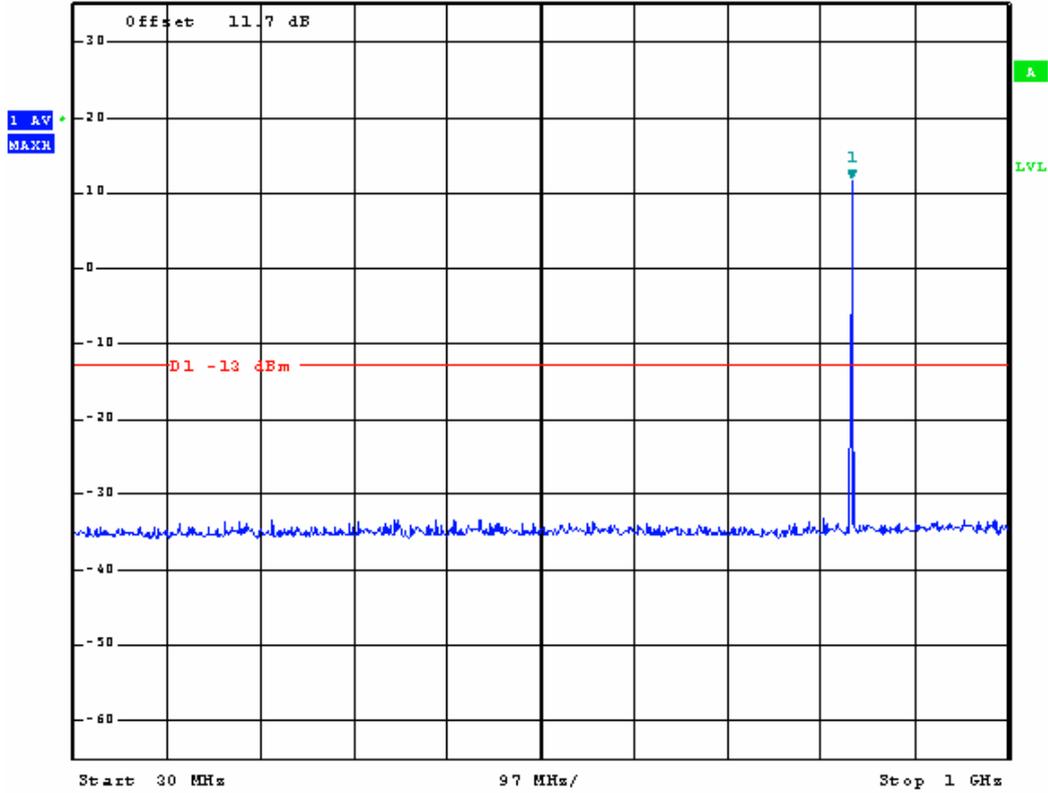
Date: 20.NOV.2010 10:41:27



Date: 20.NOV.2010 10:57:37



Ref 35 dBm Att 55 dB RBW 100 kHz Marker 1 [T1]
 Offset 11.7 dB VBW 300 kHz 11.56 dBm
 SWT 100 ms 838.333333333 MHz



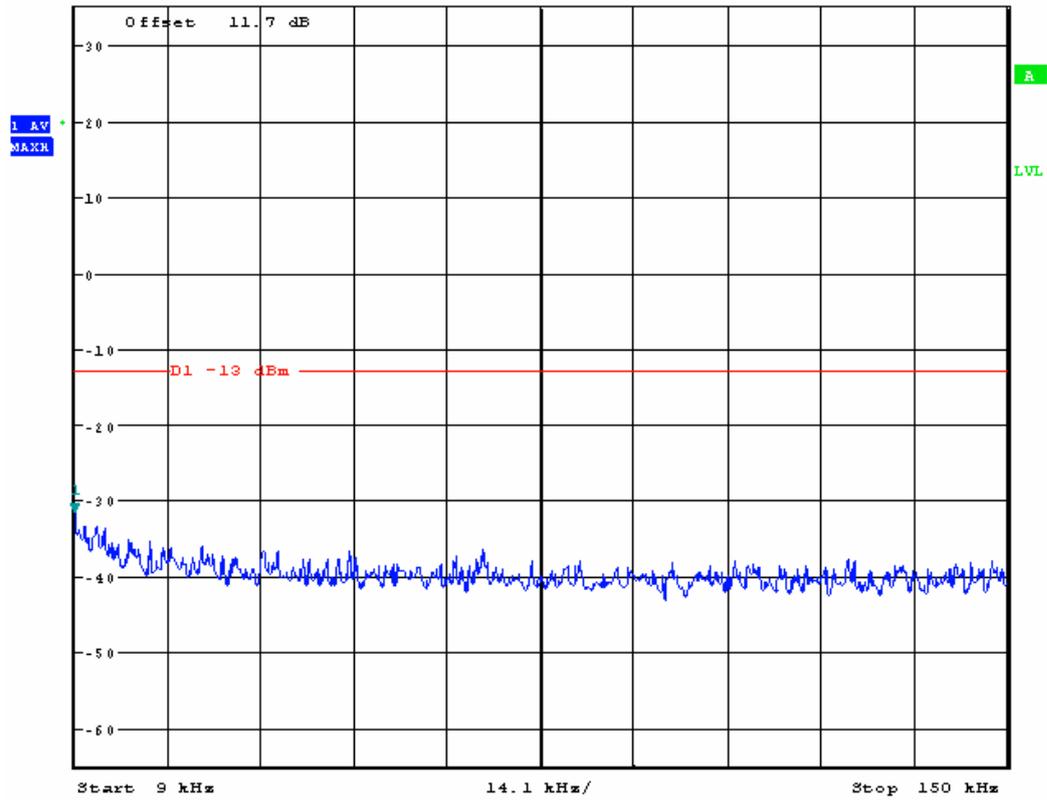
Date: 19.NOV.2010 17:55:48



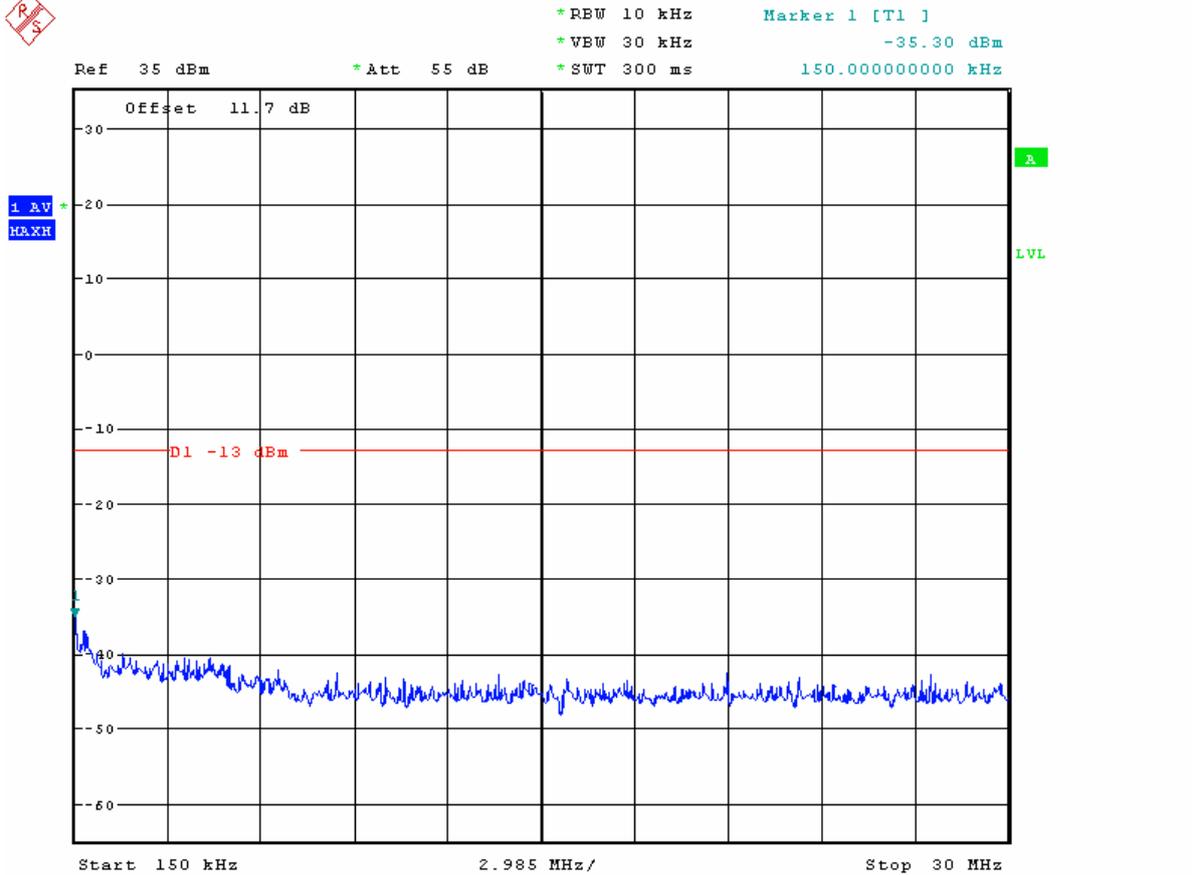
Channel 251



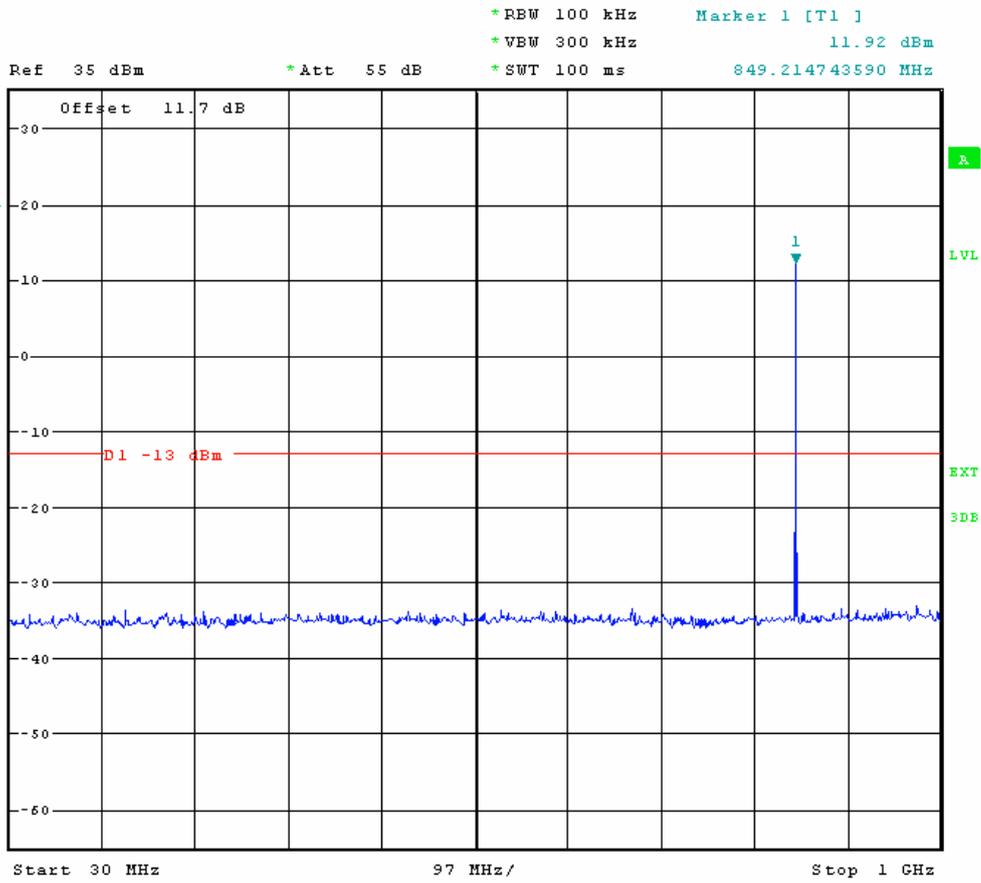
Ref 35 dBm Att 55 dB RBW 1 kHz Marker 1 [T1]
 Offset 11.7 dB VBW 10 kHz -31.73 dBm
 SWT 145 ms 9.000000000 kHz



Date: 20.NOV.2010 10:42:10



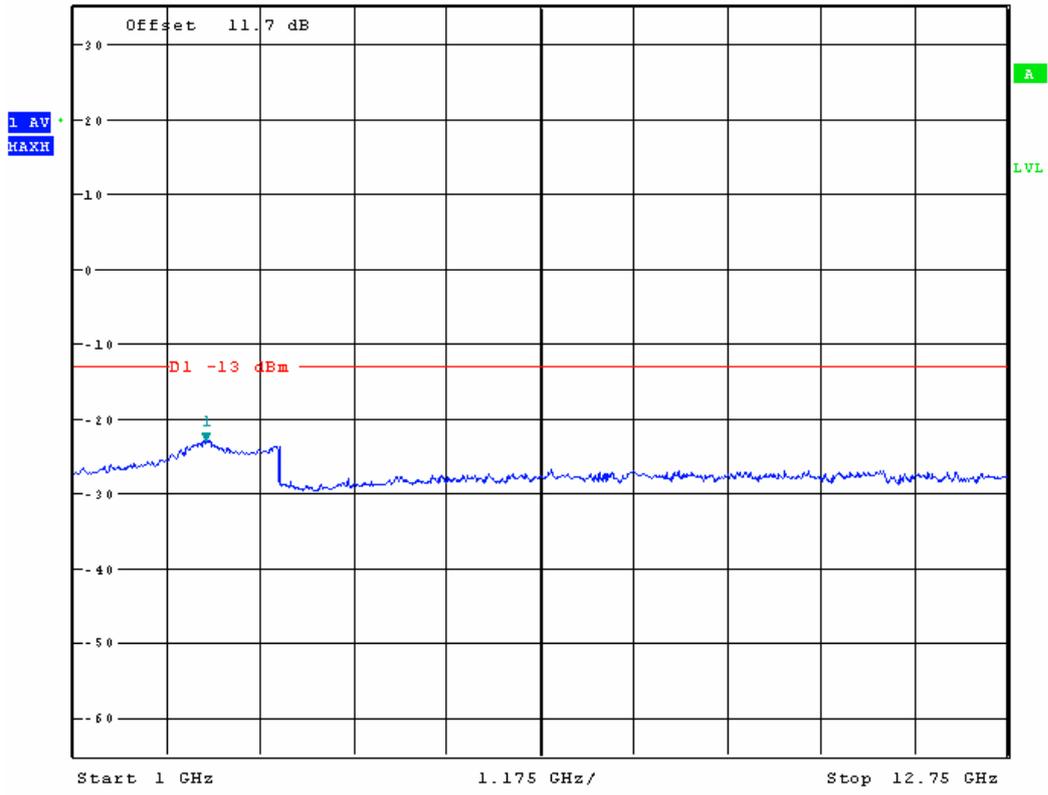
Date: 20.NOV.2010 11:01:33



Date: 19.NOV.2010 17:56:23



Ref 35 dBm * Att 55 dB * RBW 1 MHz Marker 1 [T1]
 * VBW 3 MHz -23.24 dBm
 * SWT 70 ms 2.657051282 GHz



Date: 20.NOV.2010 11:04:30