



FCC RF Test Report of U3220
FCC ID: QISU3220



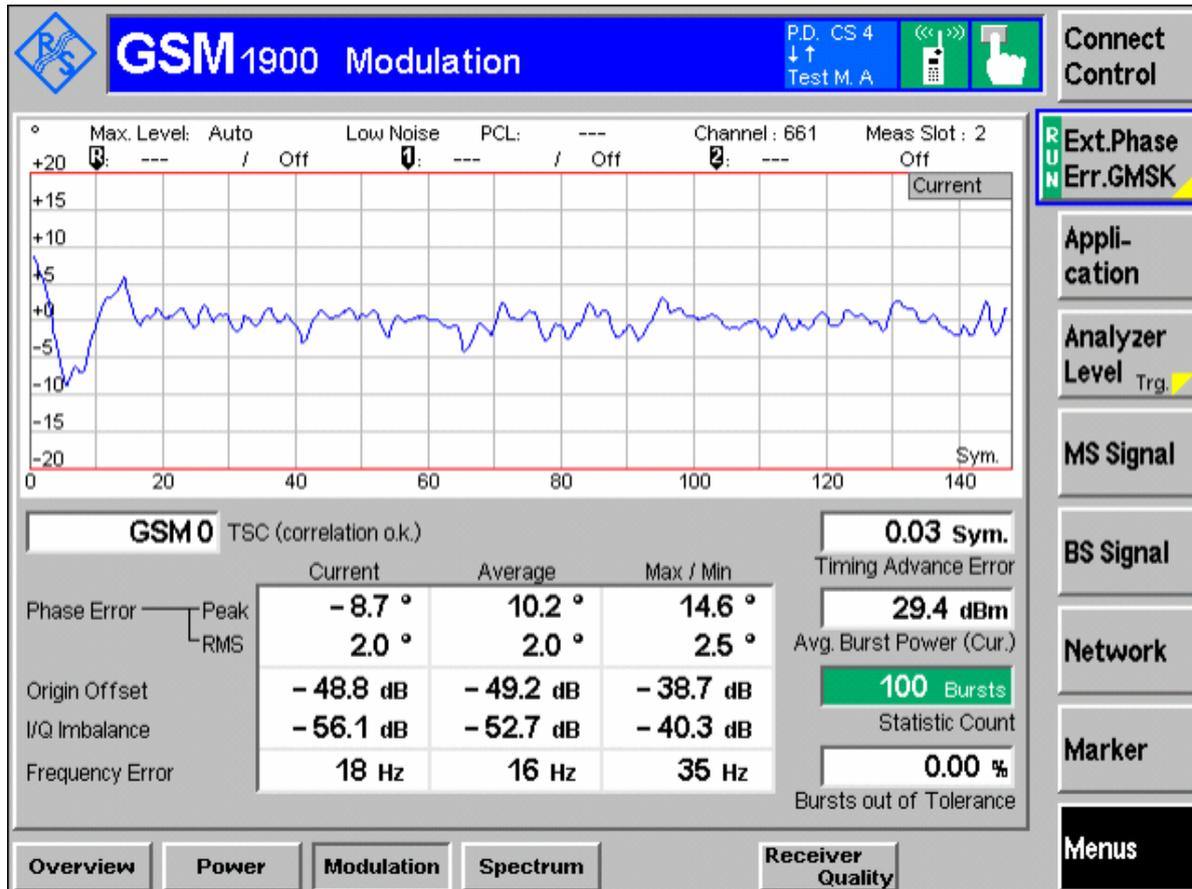
Appendix A

Modulation Characteristics

According to FCC Part 2.1047 & Part24 Subpart E

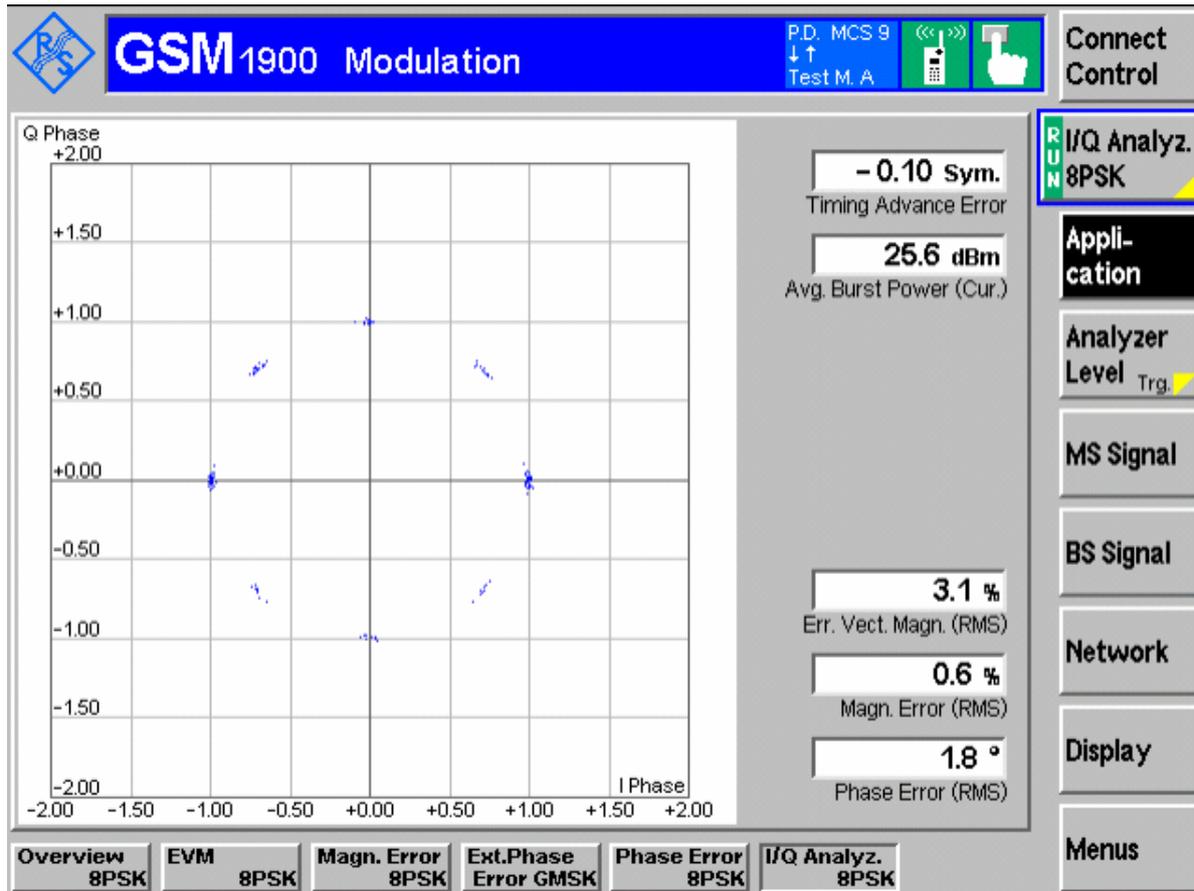


TM1:GPRS/GSM Channel 661



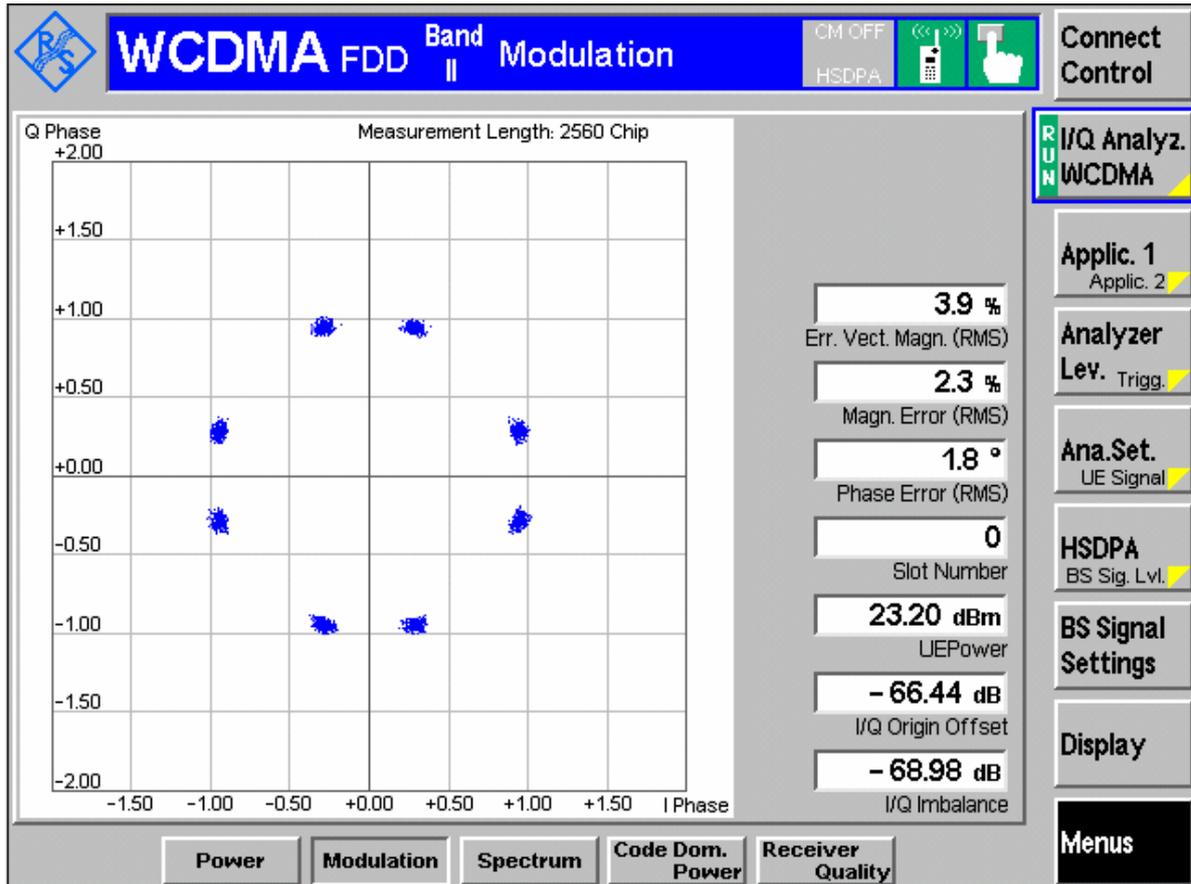


TM2:EDGE Channel 661





TM3: WCDMA Channel 9400





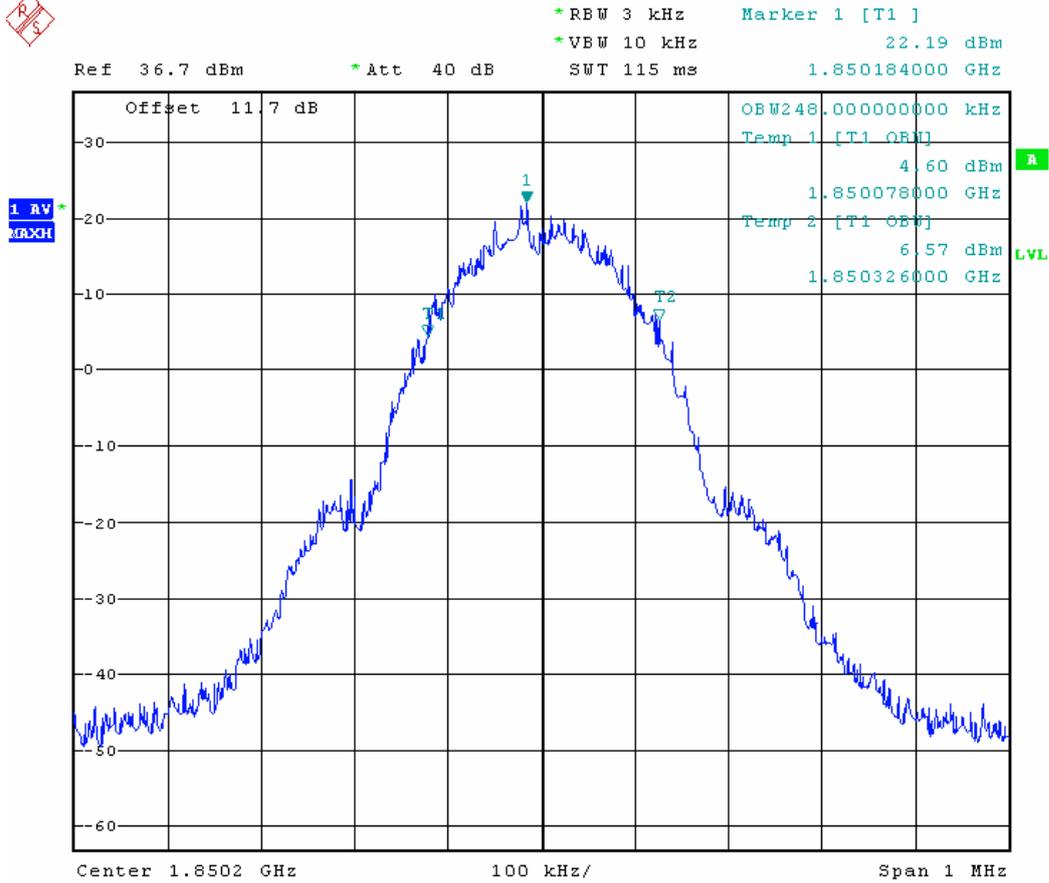
Appendix B

Occupied Bandwidth

According to FCC Part 2.1049 & Part 24 Subpart E



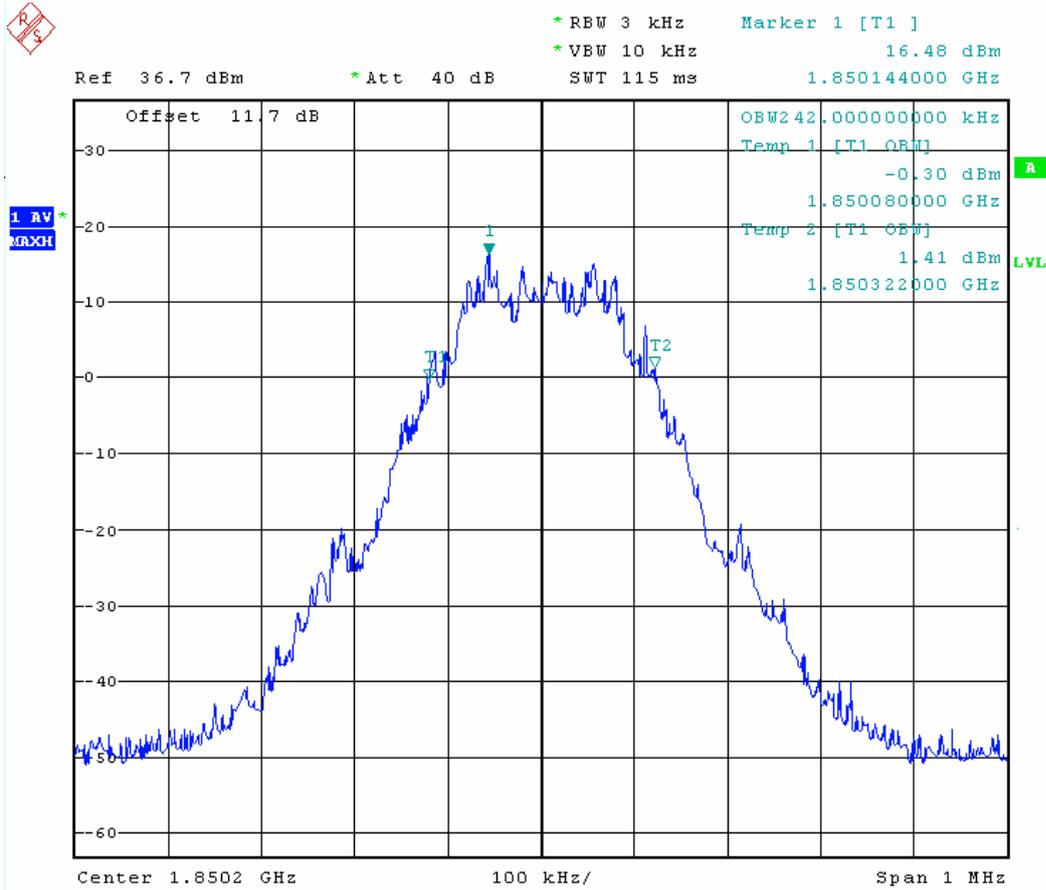
TM1:GPRS/GSM Channel 512



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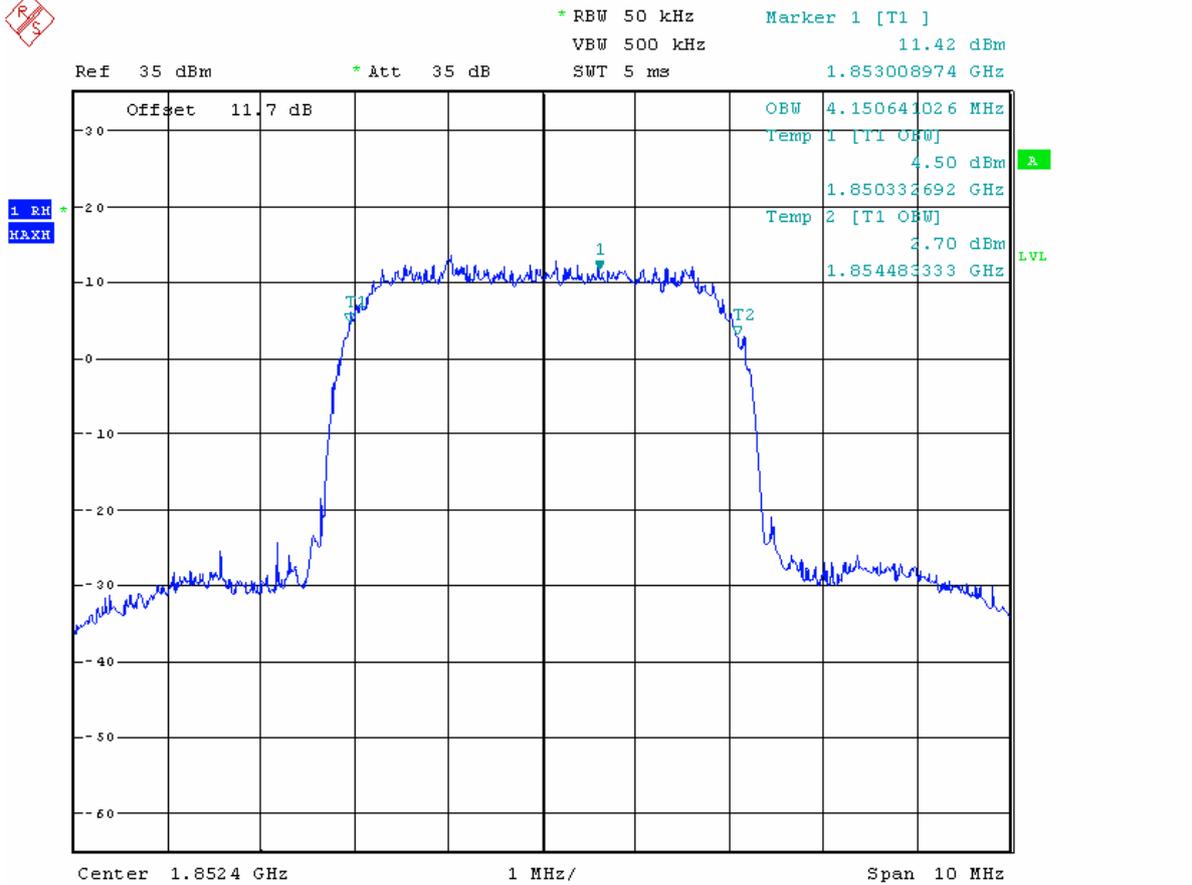
TM2:EDGE Channel 512



Date: 16.NOV.2010 01:03:36



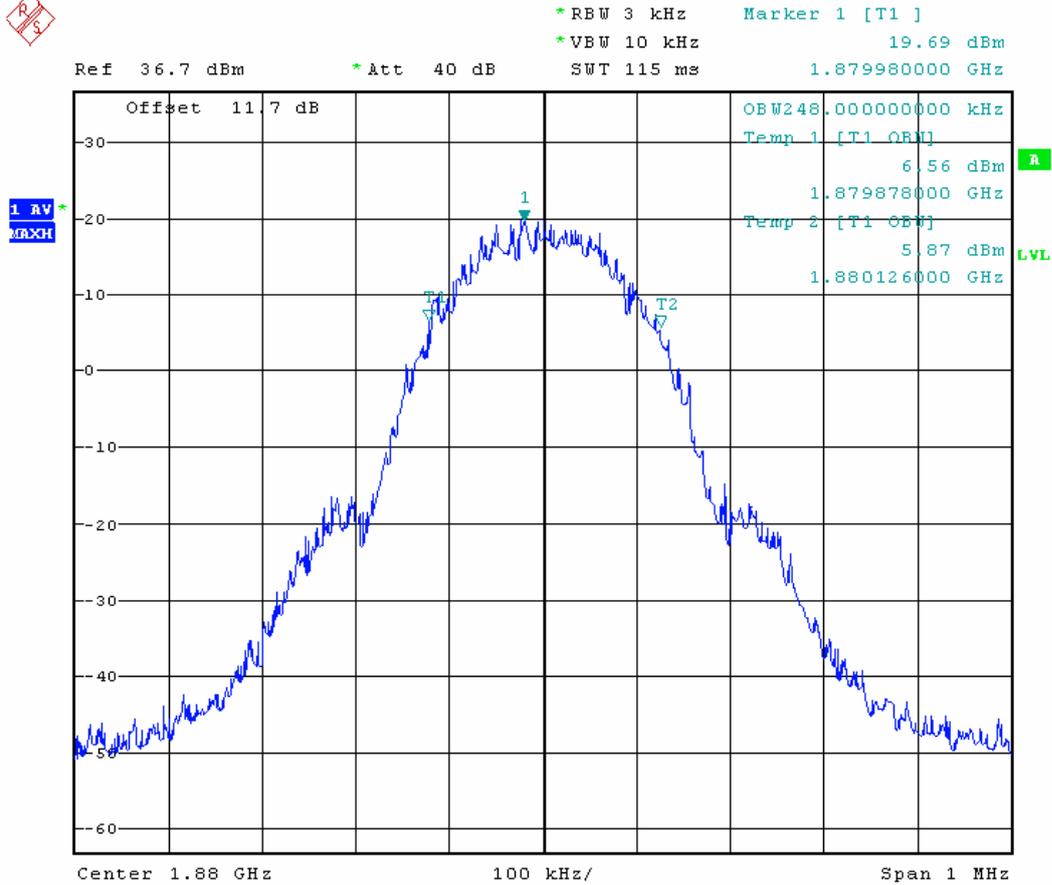
TM3: WCDMA Channel 9262



Date: 19.NOV.2010 16:25:20



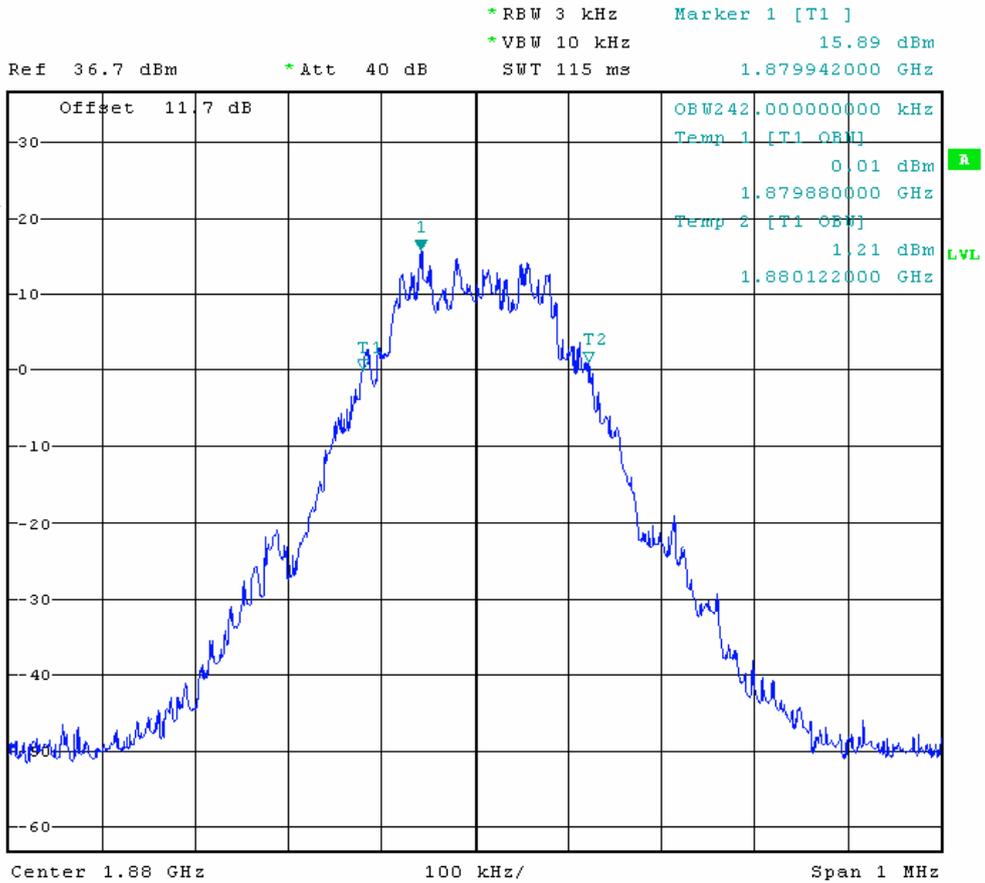
TM1:GPRS/GSM Channel 661



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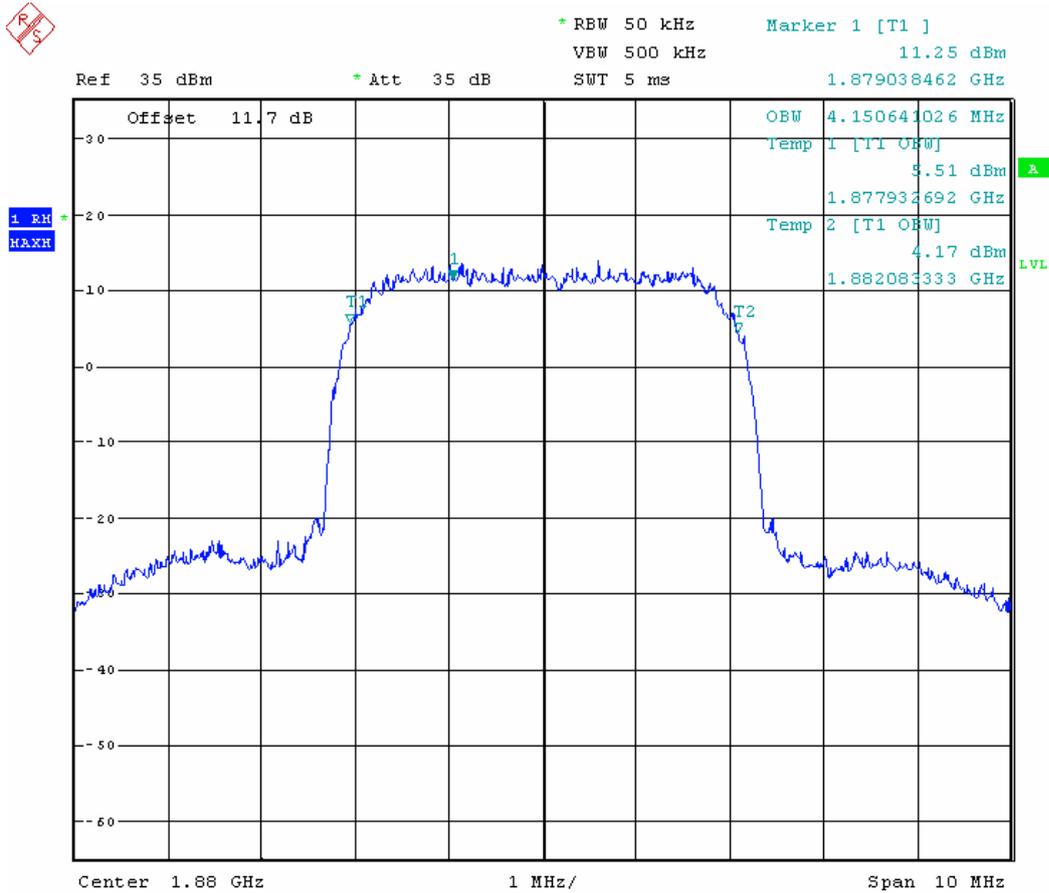
TM2:EDGE Channel 661



Date: 16.NOV.2010 01:05:02



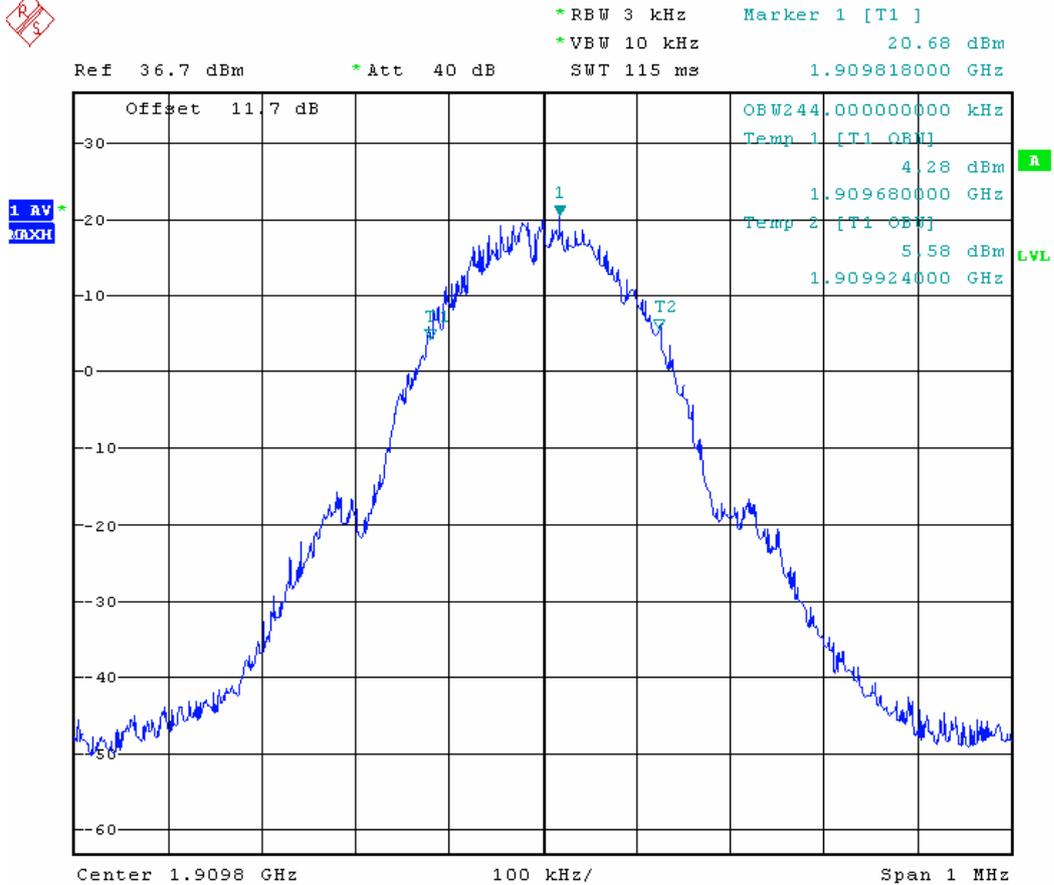
TM3: WCDMA Channel 9400



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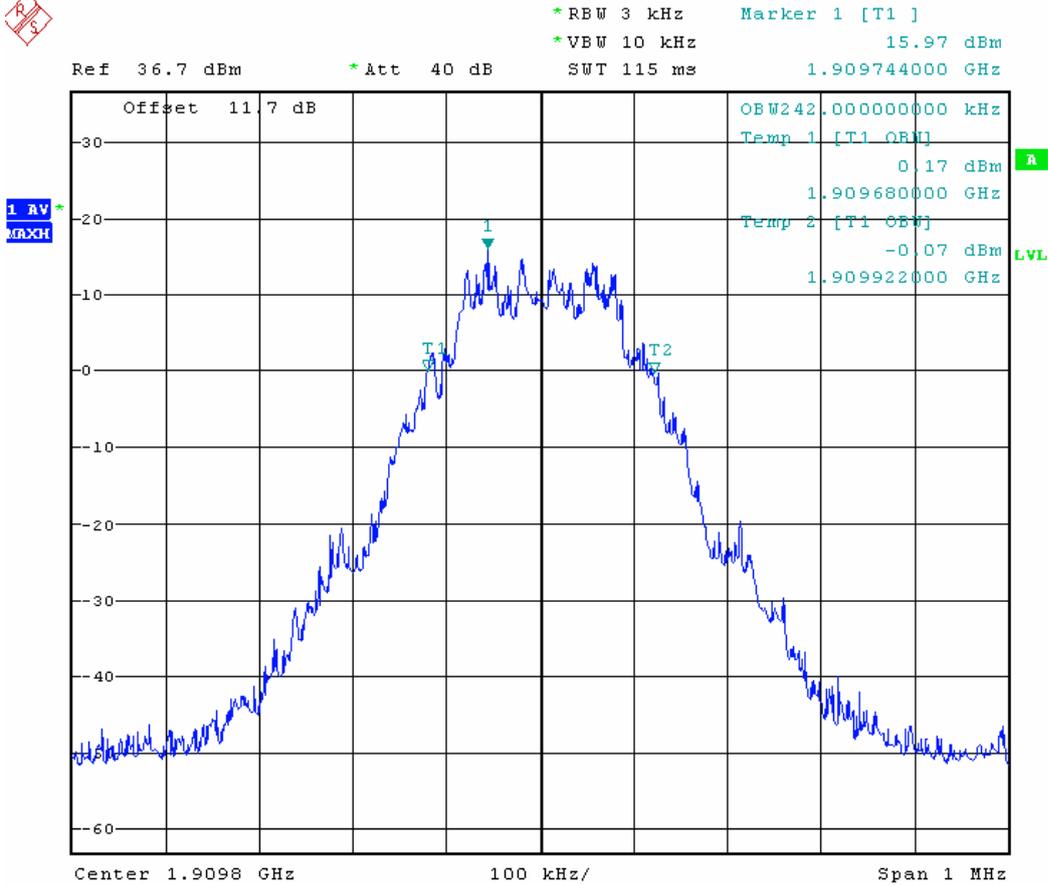
TM1:GPRS/GSM Channel 810



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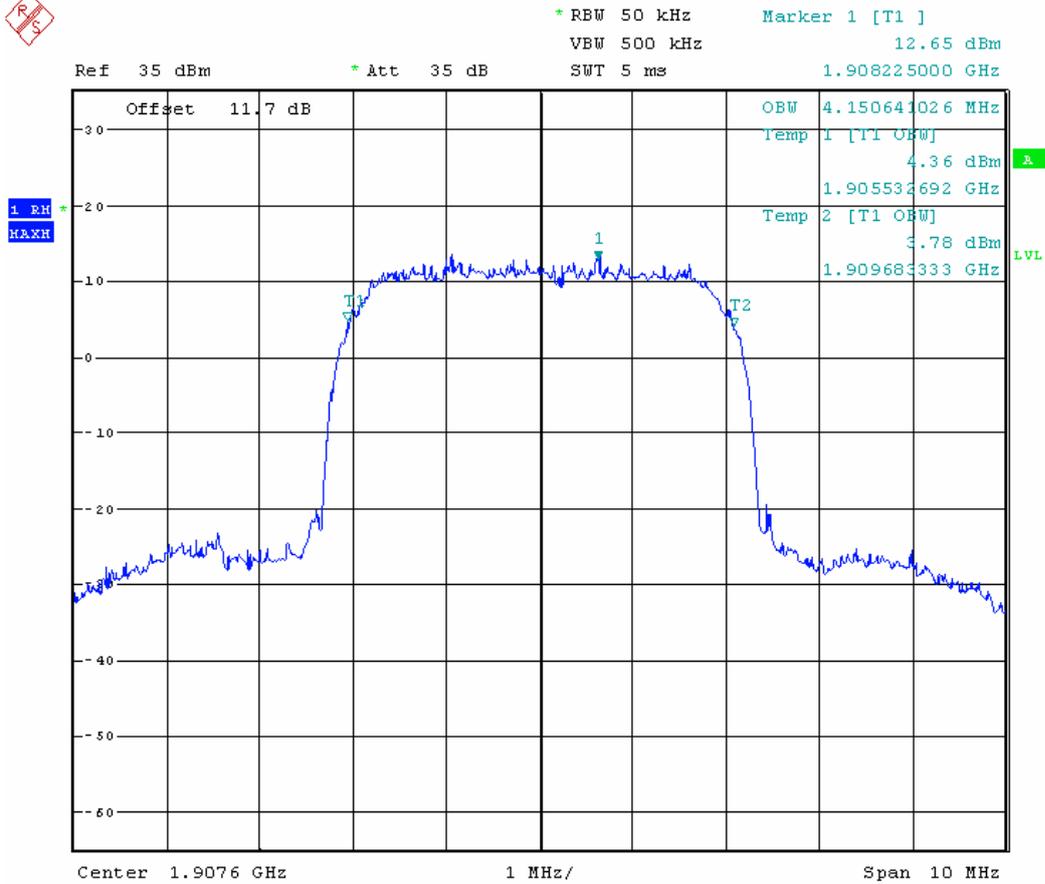
TM2:EDGE Channel 810



Date: 16.NOV.2010 01:05:59



TM3: WCDMA Channel 9538



Date: 19.NOV.2010 16:35:50



Appendix C

Band Edges Compliance

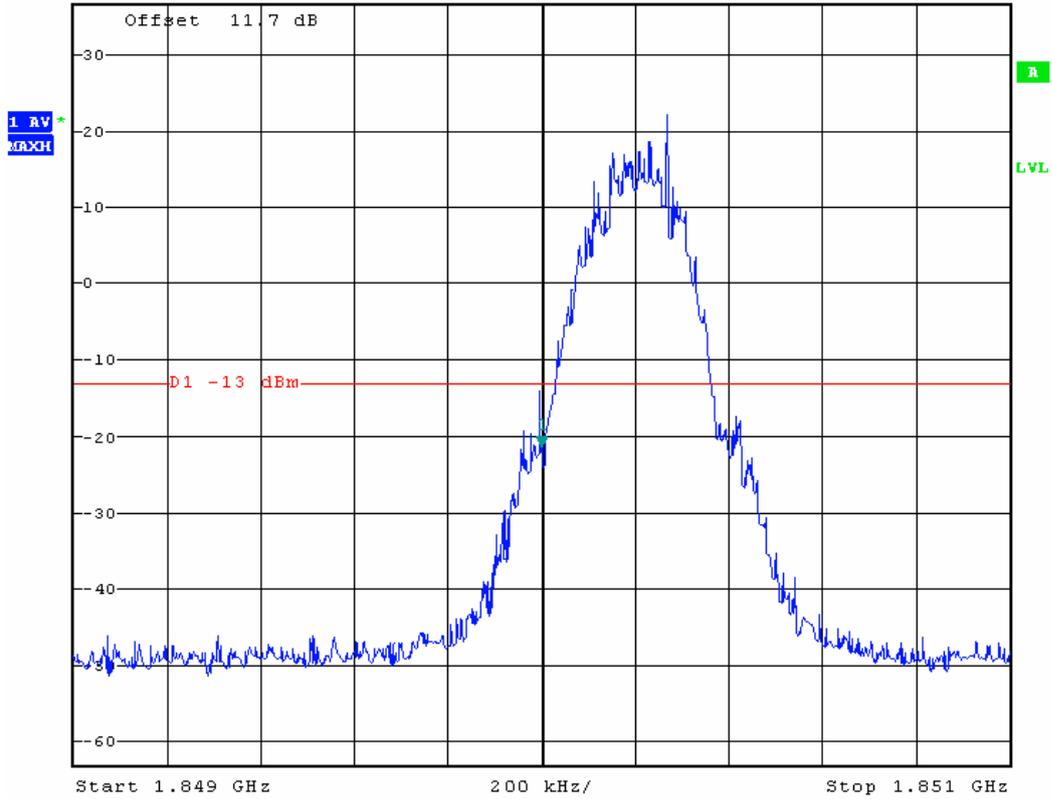
According to FCC Part 2.1051 & Part24 Subpart E



TM1:GPRS/GSM Left Edge Channel 512



Ref 36.7 dBm *Att 50 dB *RBW 3 kHz Marker 1 [T1] -21.41 dBm
*VBW 10 kHz 1.850000000 GHz
*SWT 225 ms



Date: 16.NOV.2010 02:38:48

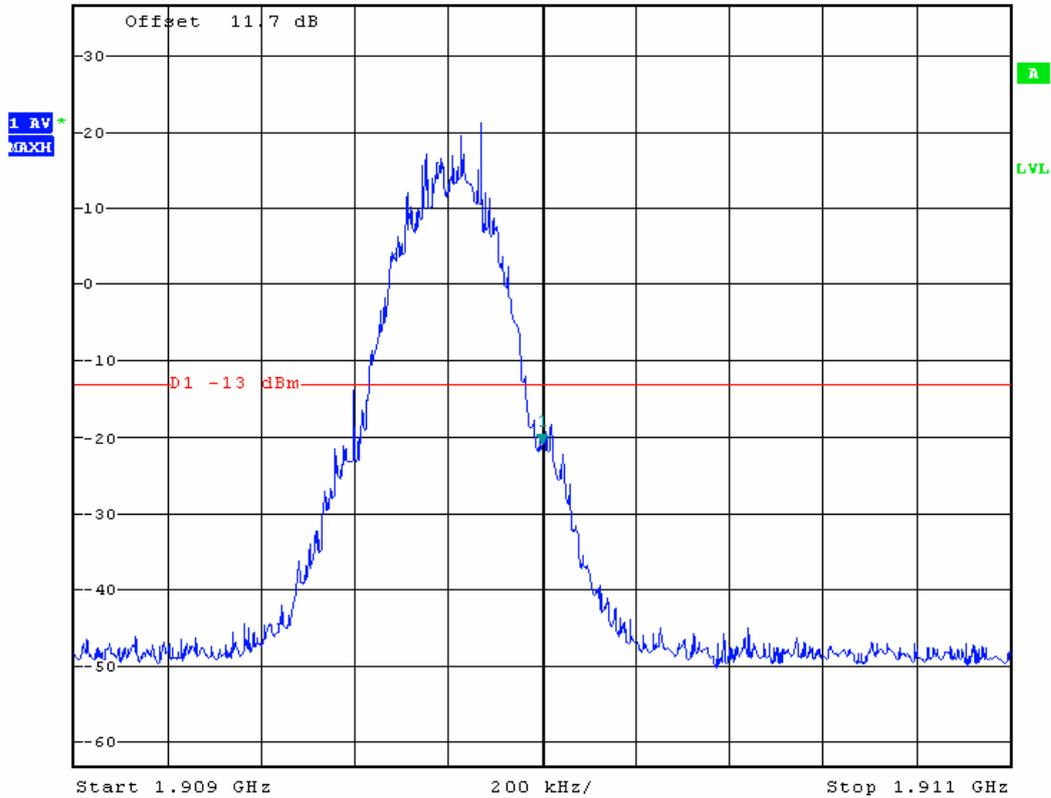


Right Edge Channel 810



*RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -21.01 dBm
*SWT 225 ms 1.910000000 GHz

Ref 36.7 dBm *Att 50 dB



Date: 16.NOV.2010 02:36:55



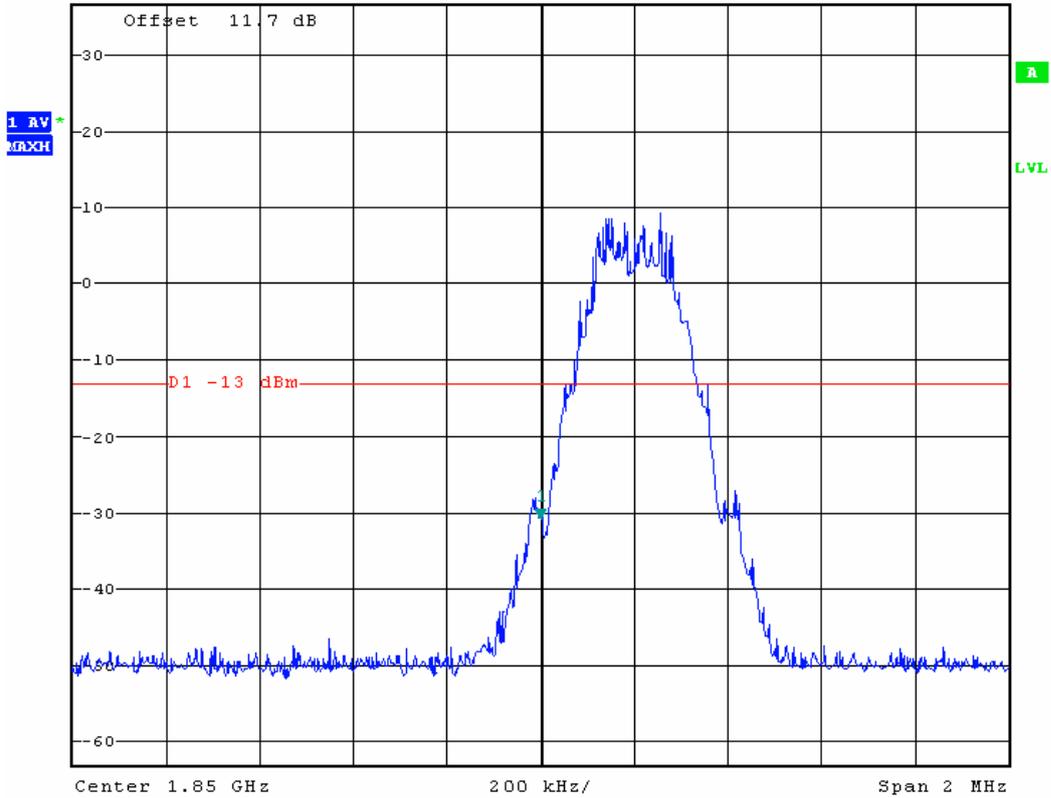
TM2:EDGE

Left Edge

Channel 512



Ref 36.7 dBm *Att 50 dB *RBW 3 kHz Marker 1 [T1] -30.76 dBm
*VBW 10 kHz 1.850000000 GHz
*SWT 225 ms



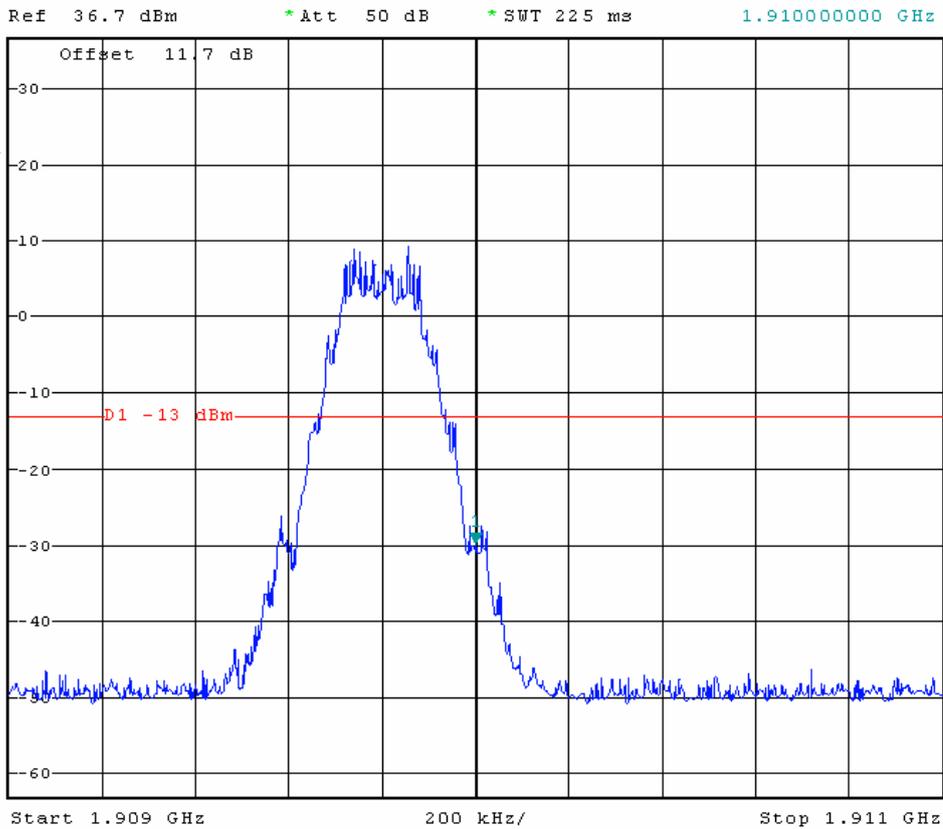
Date: 16.NOV.2010 04:10:23



Right Edge Channel 810



* RBW 3 kHz Marker 1 [T1]
* VBW 10 kHz -29.94 dBm
* SWT 225 ms 1.910000000 GHz



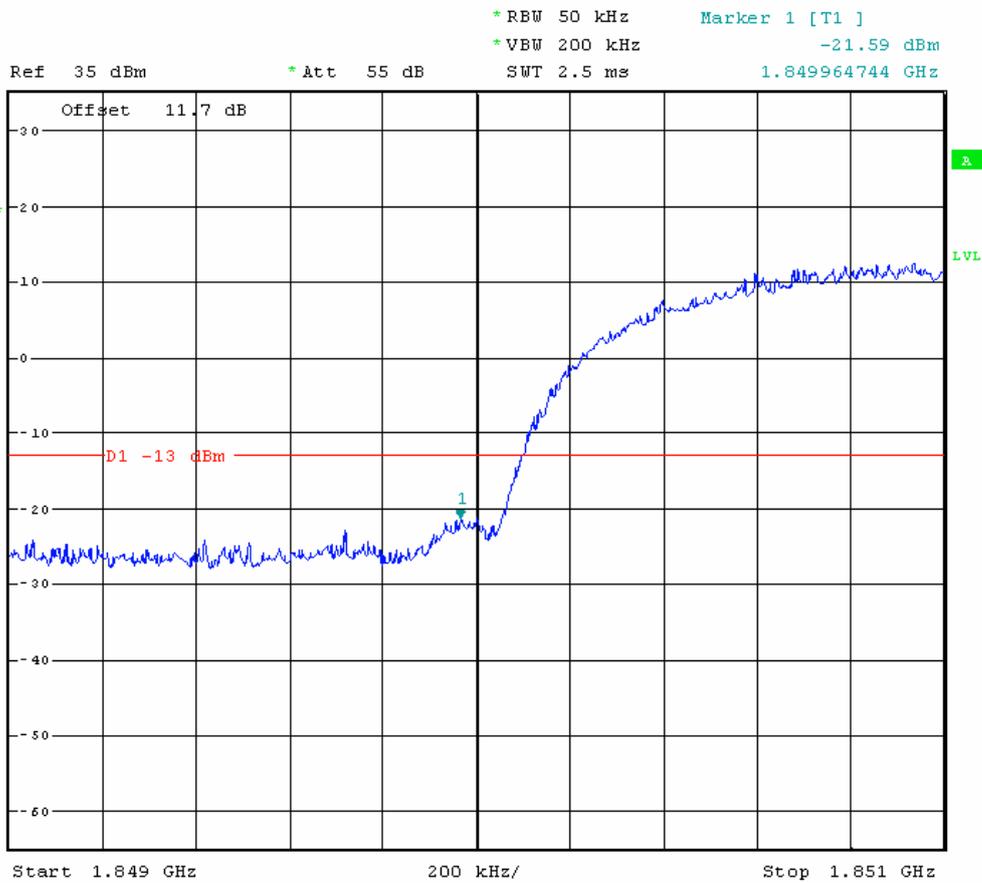
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TM3: WCDMA

Left Edge

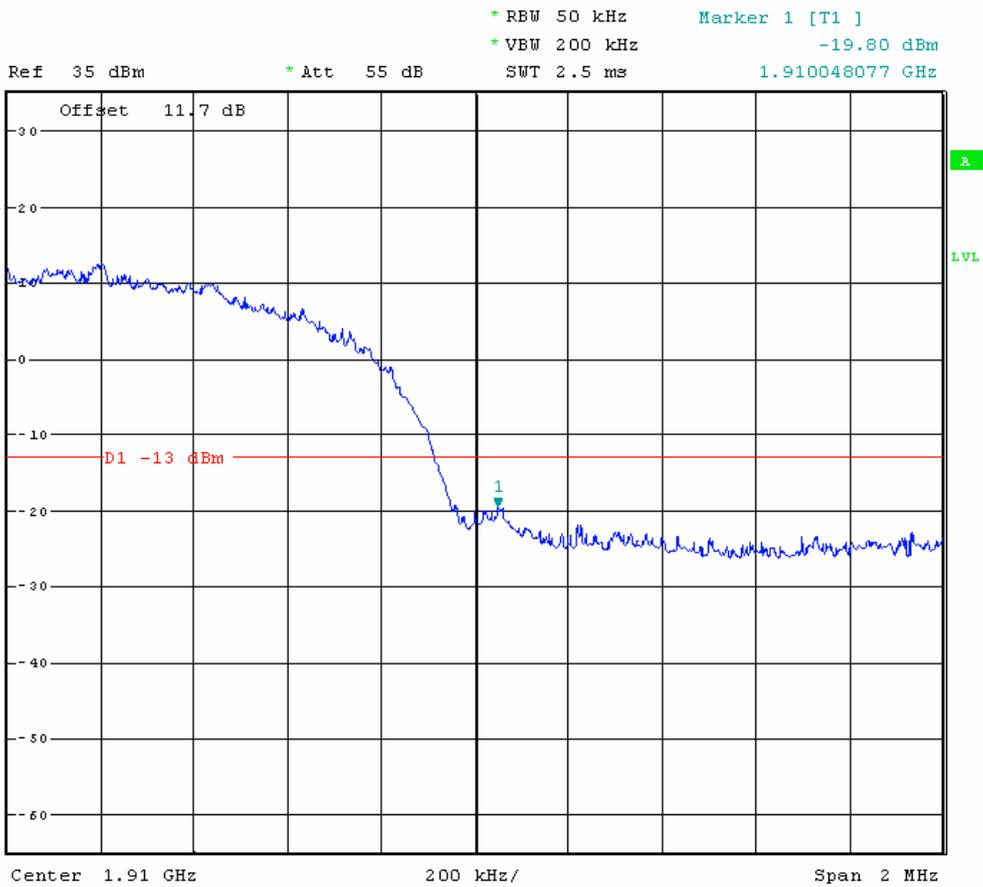
Channel 9262



Date: 19.NOV.2010 17:05:16



Right Edge Channel 9538



Date: 19.NOV.2010 16:49:07



Appendix D

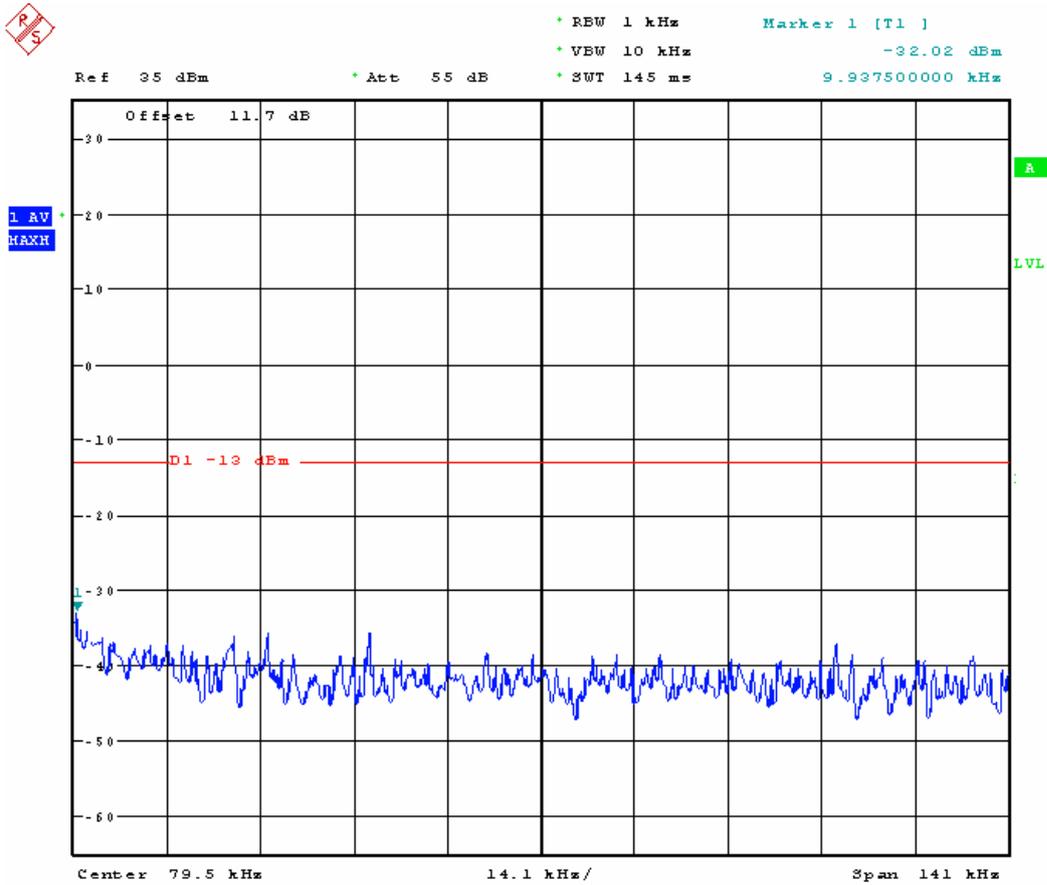
Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & Part24 Subpart E

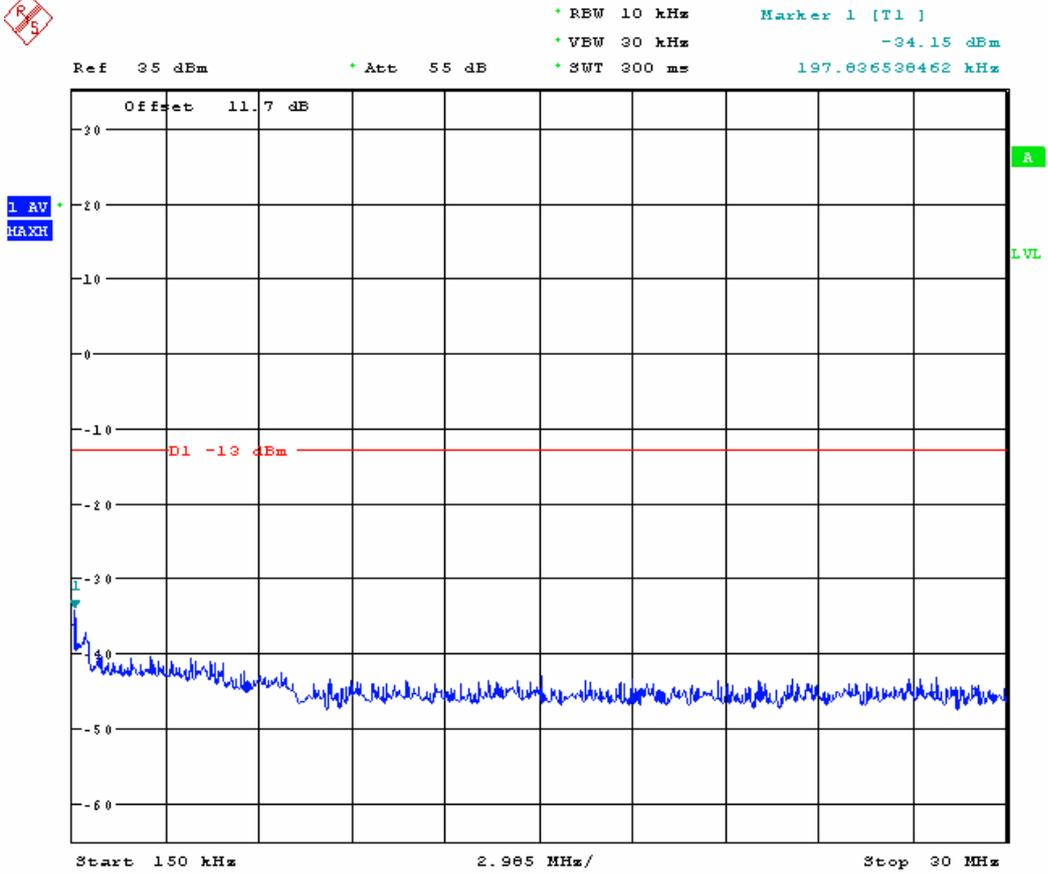


TM1:GPRS/GSM

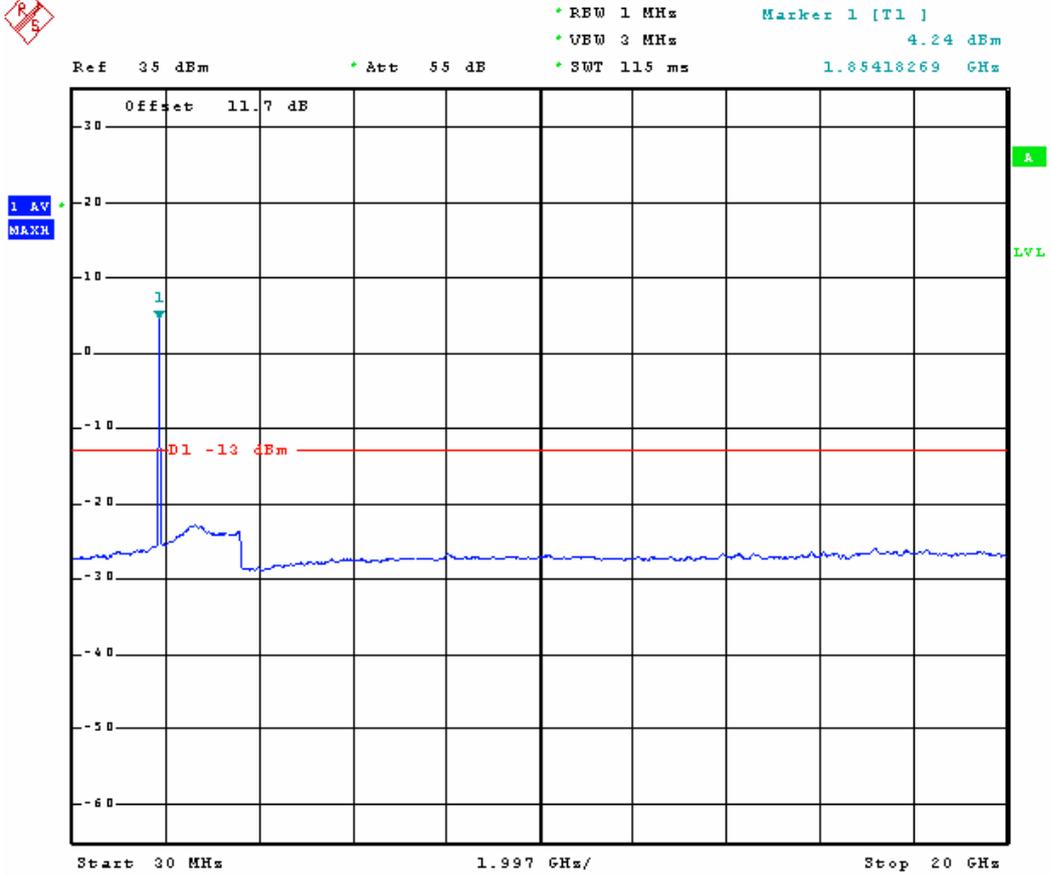
Channel 512



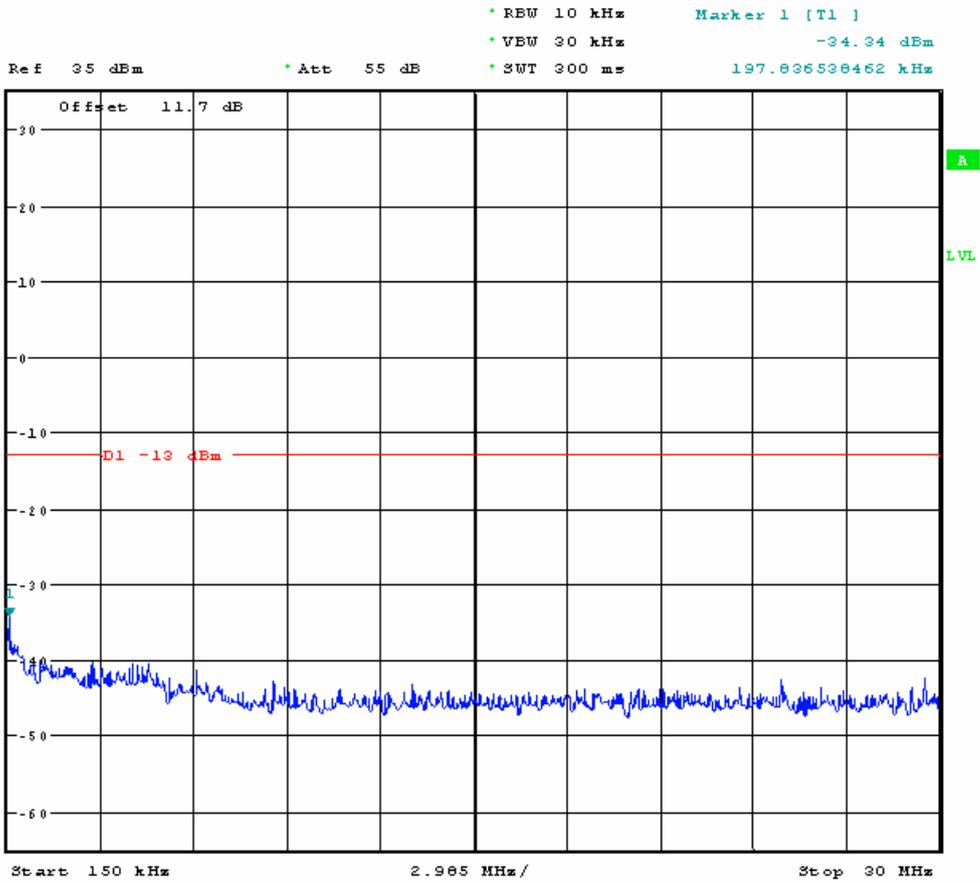
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Date: 20.NOV.2010 11:23:28



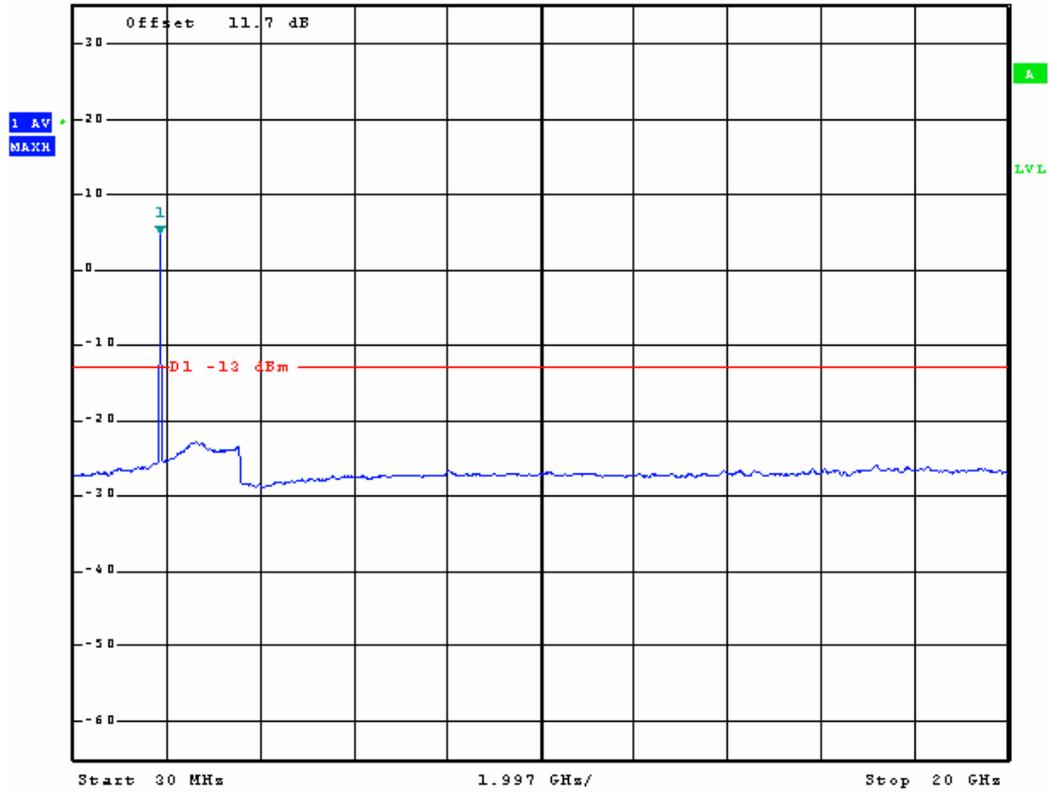
Date: 19.NOV.2010 17:30:34



Date: 20.NOV.2010 11:24:17



Ref 35 dBm Att 55 dB SWT 115 ms Marker 1 [T1] 4.34 dBm 1.854182692 GHz



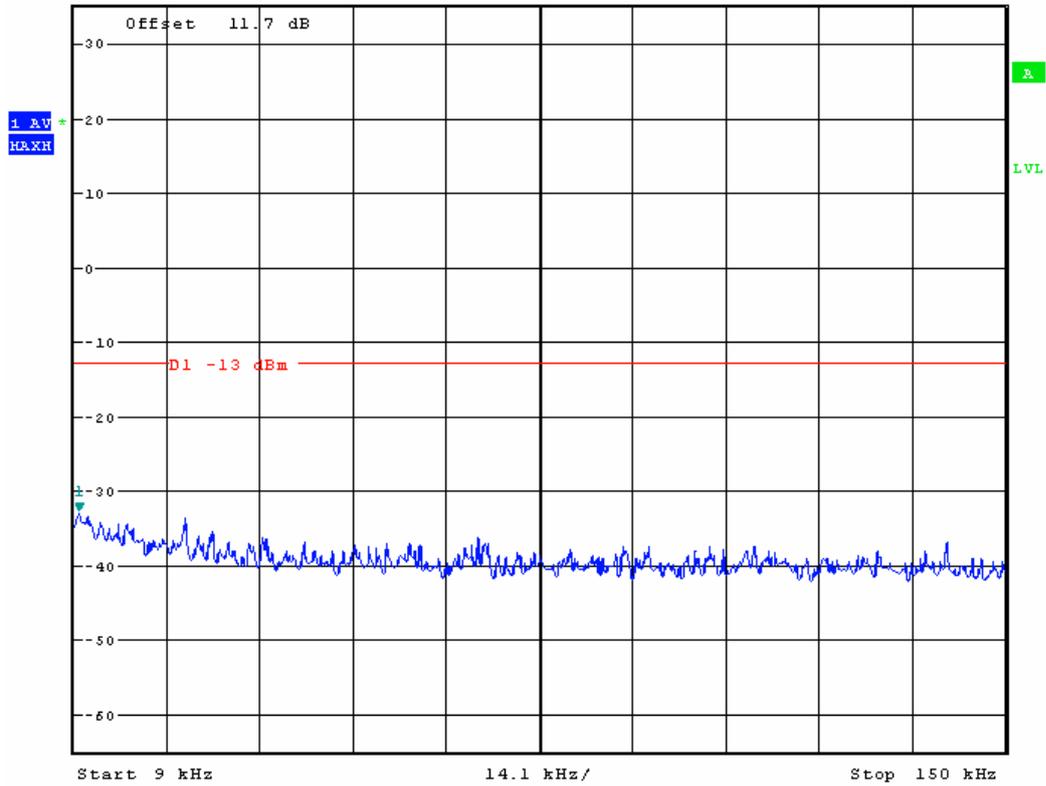
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Channel 810



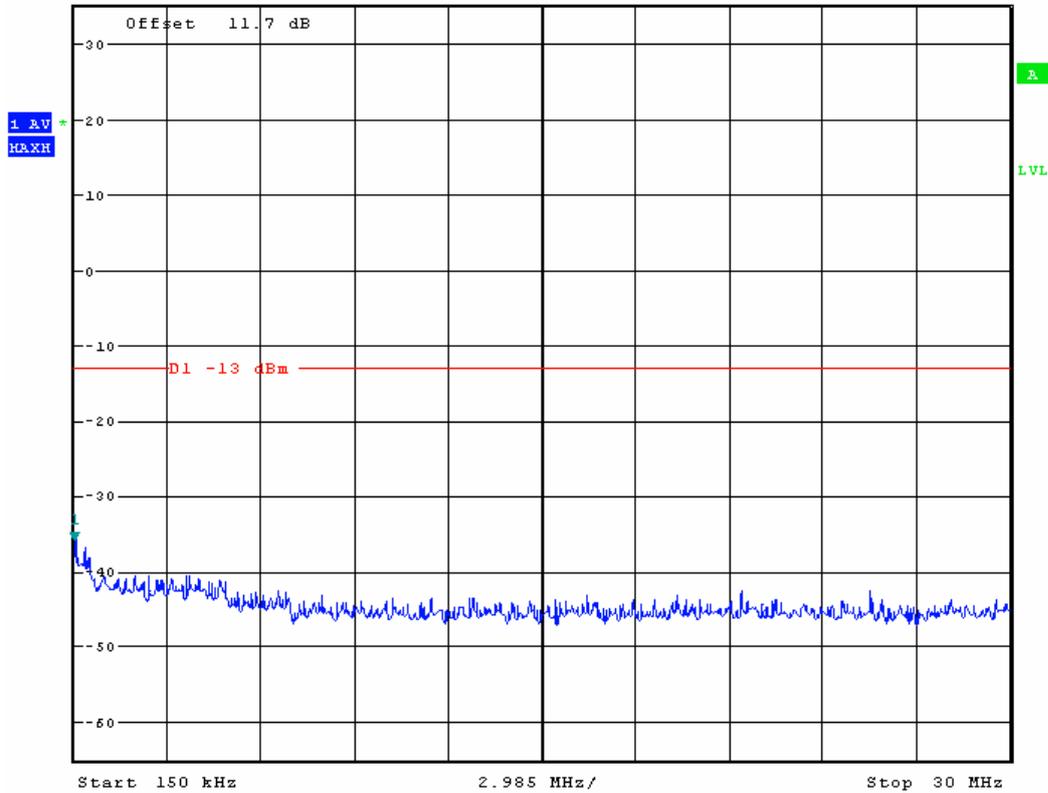
*RBW 1 kHz Marker 1 [T1]
 *VBW 10 kHz -32.88 dBm
 *SWT 145 ms 9.677884615 kHz
 Ref 35 dBm *Att 55 dB



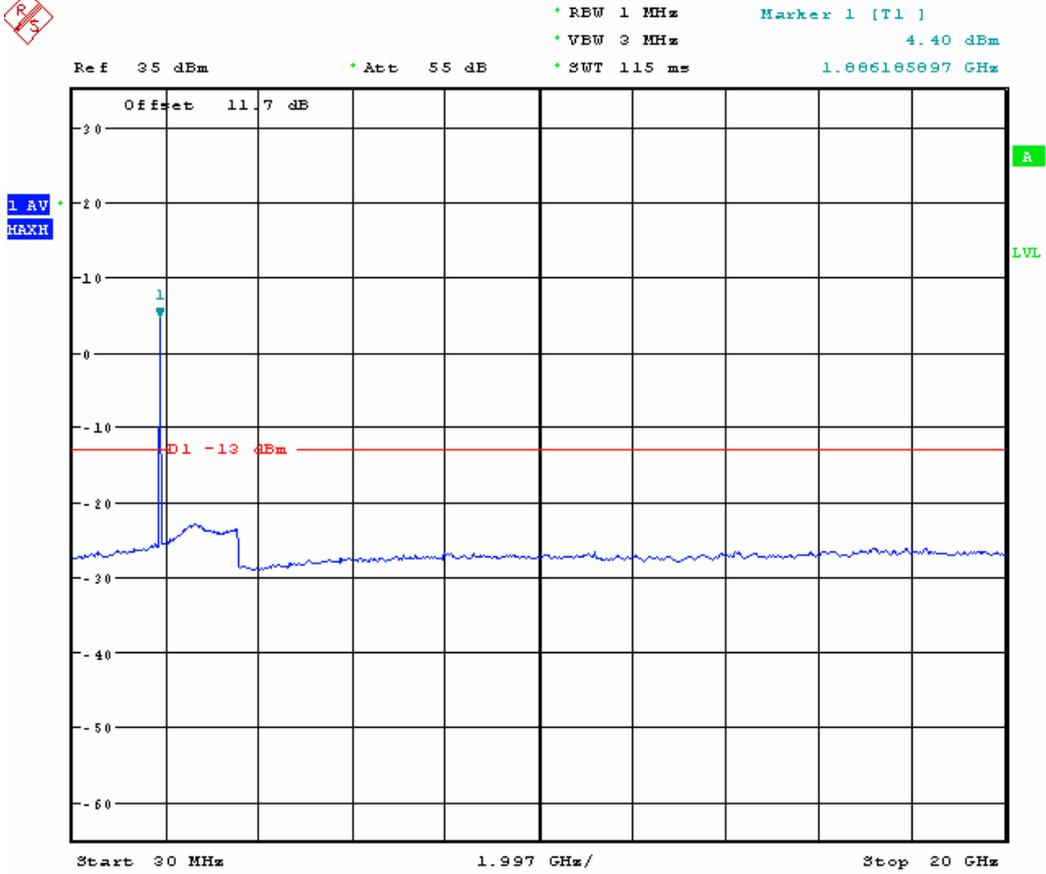
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Ref 35 dBm *Att 55 dB *RBW 10 kHz Marker 1 [T1]
 *VBW 30 kHz -36.12 dBm
 *SWT 300 ms 150.000000000 kHz



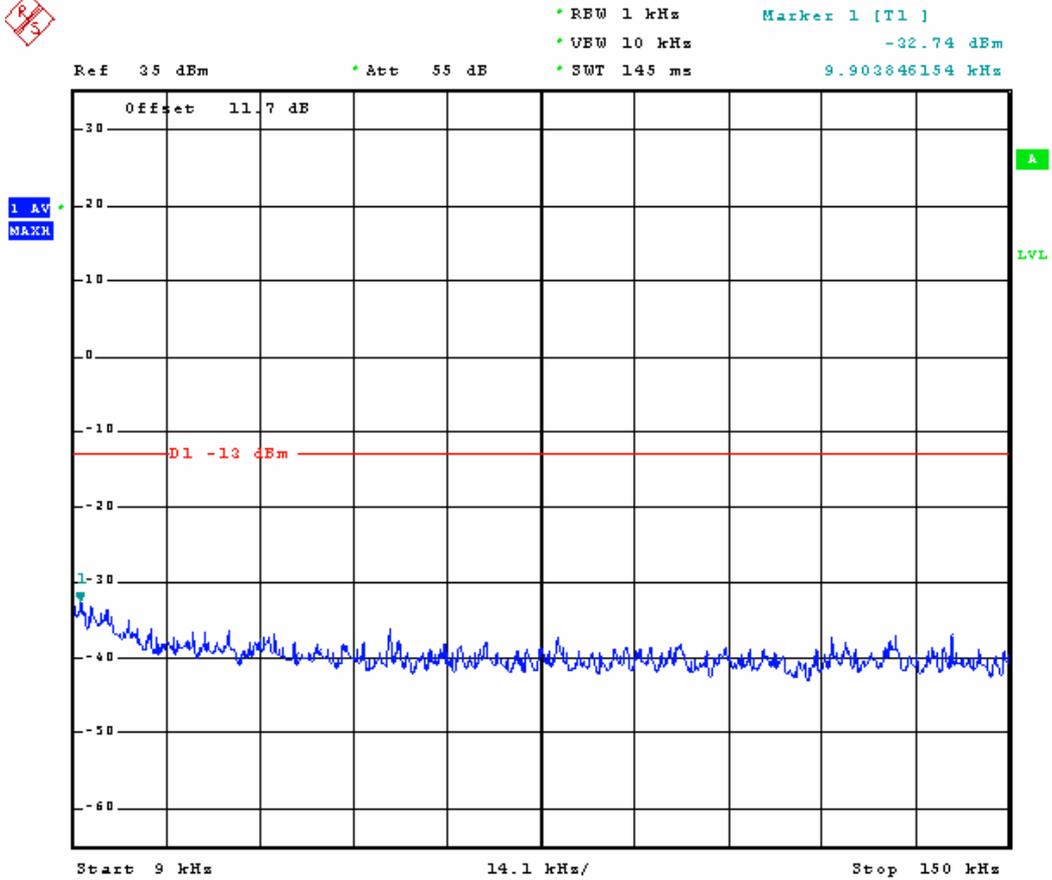
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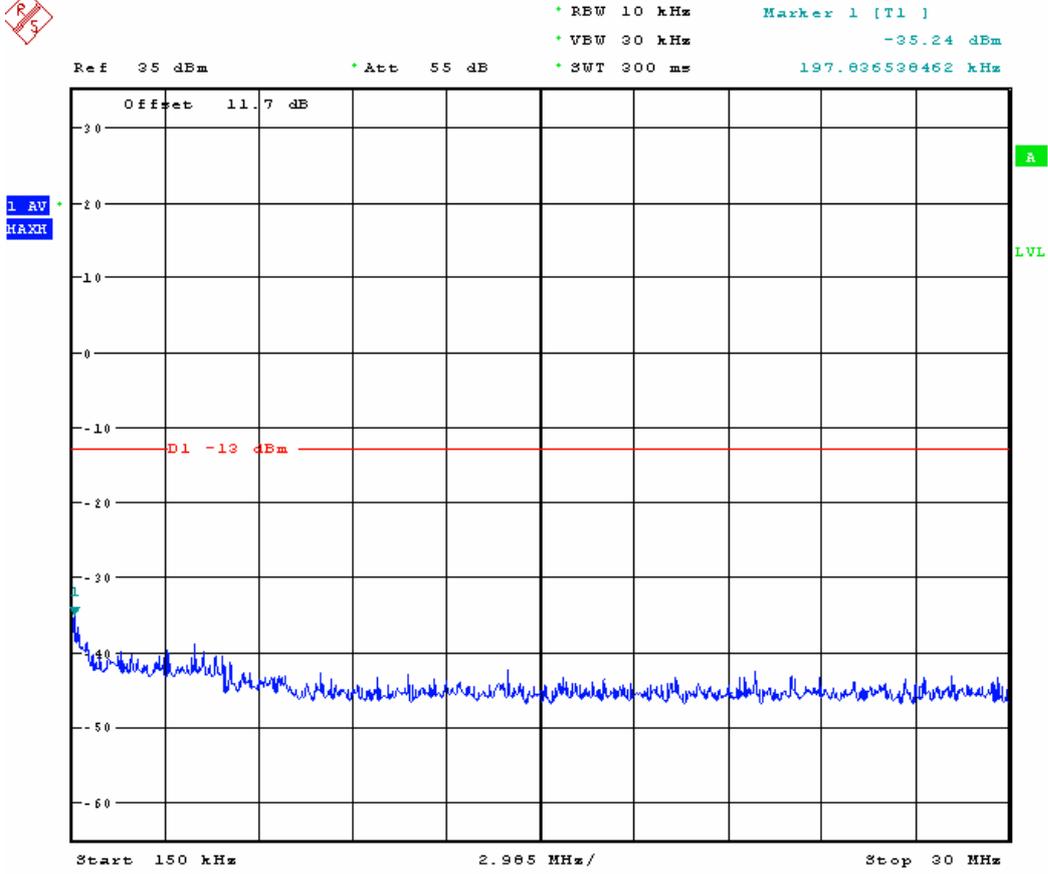
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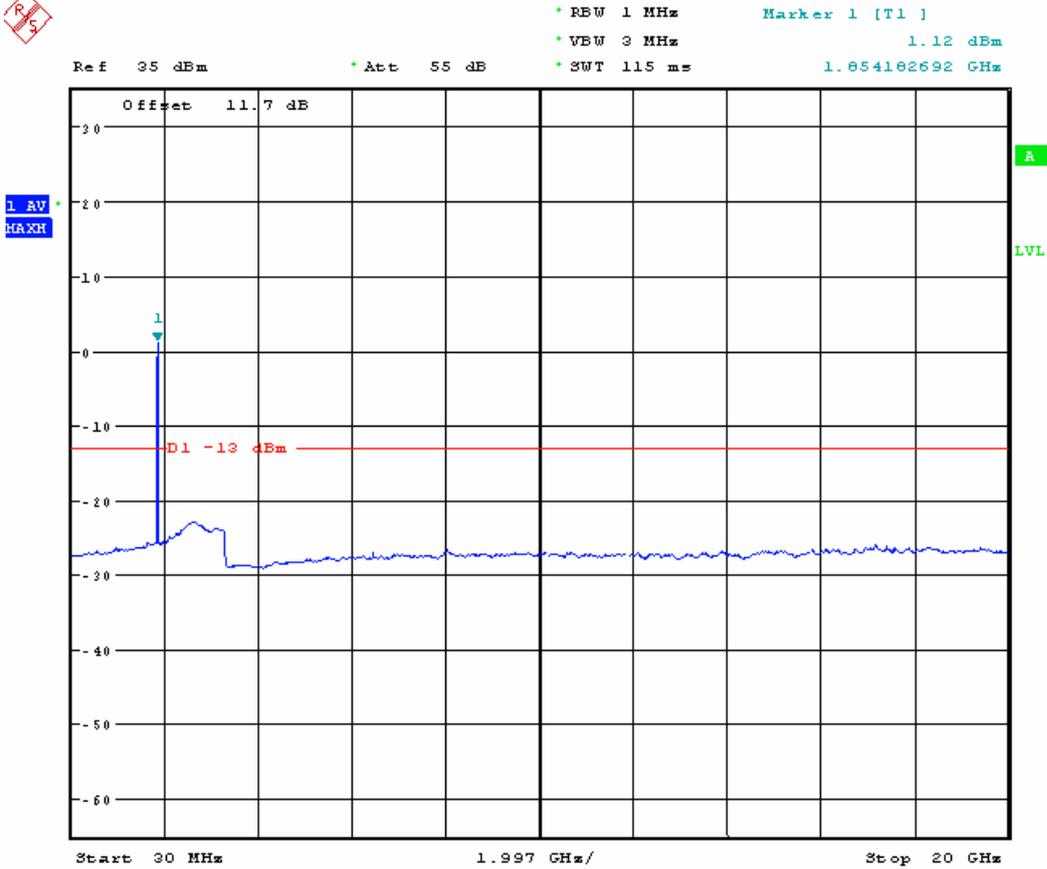
TM2:EDGE Channel 512



Date: 20.NOV.2010 10:45:42



Date: 20.NOV.2010 10:53:59



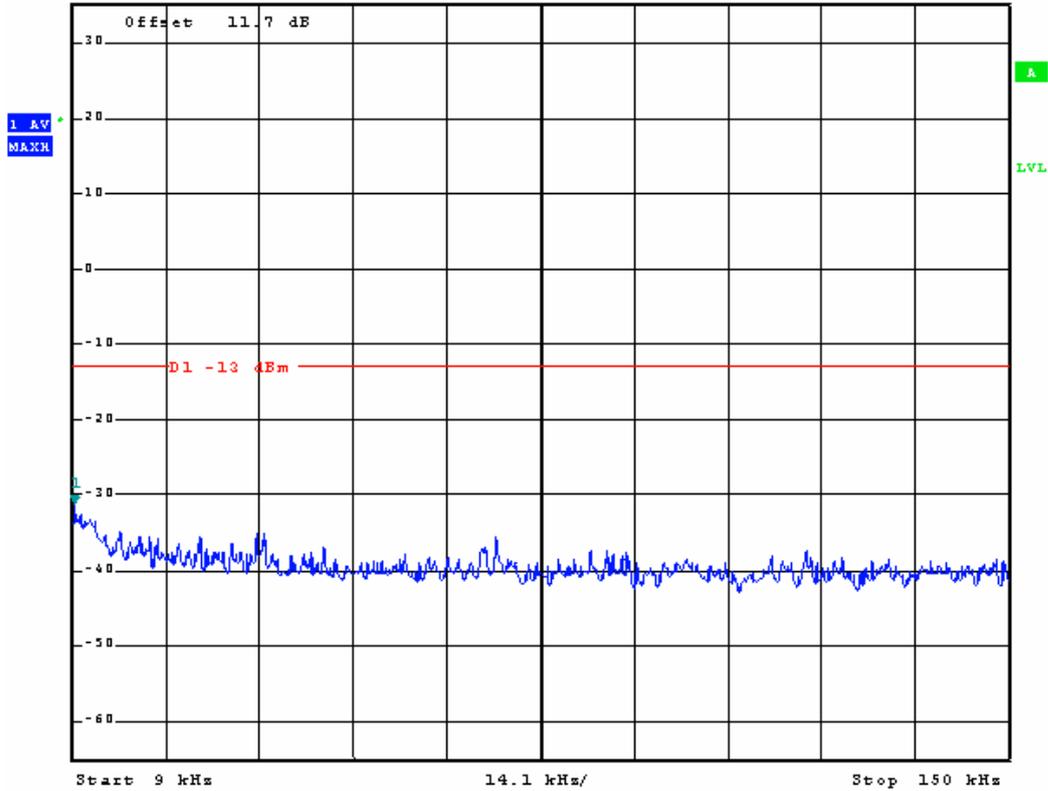
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Channel 661

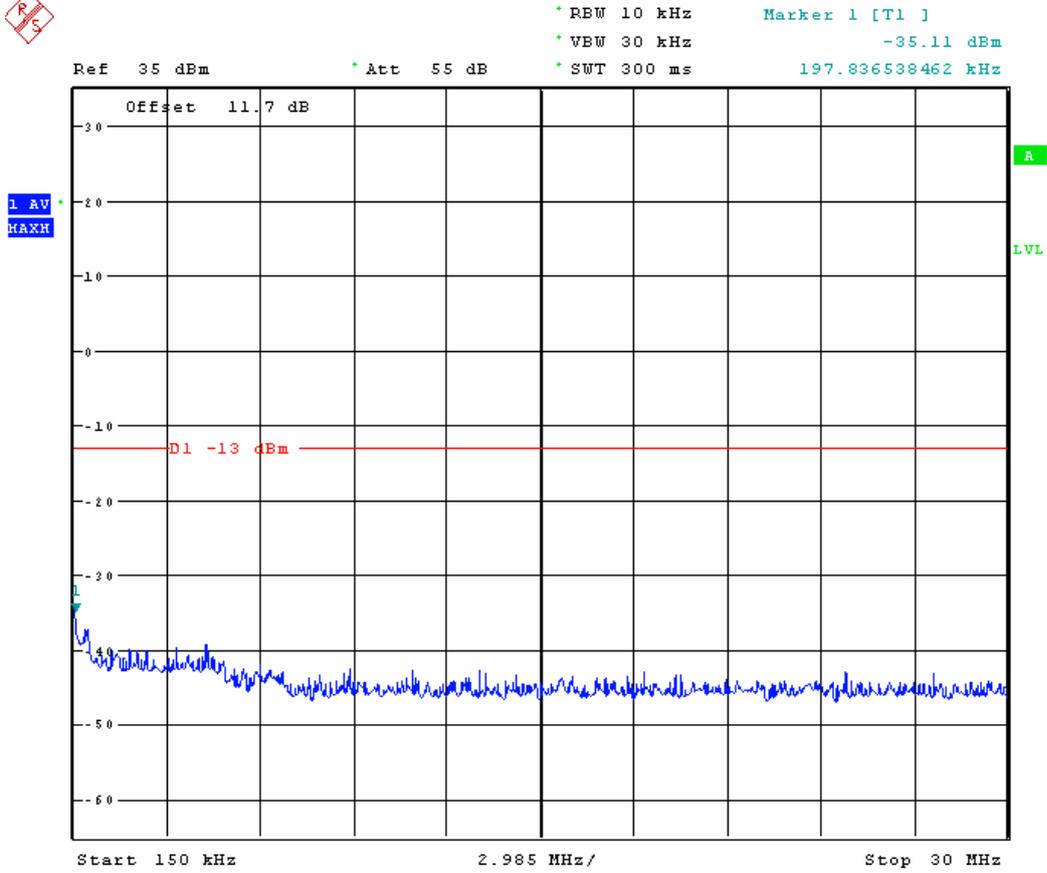


Ref 35 dBm Att 55 dB RBW 1 kHz Marker 1 [T1]
 Offset 11.7 dB VBW 10 kHz -31.41 dBm
 SWT 145 ms 9.225961538 kHz

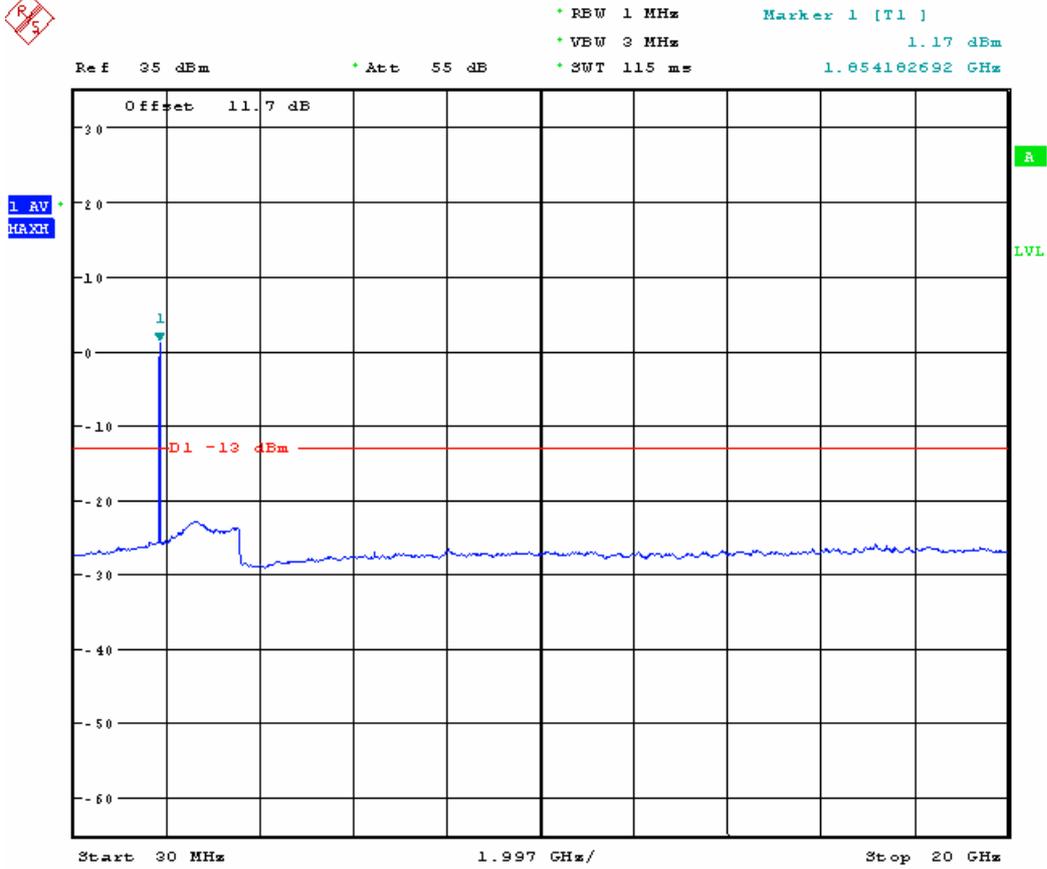


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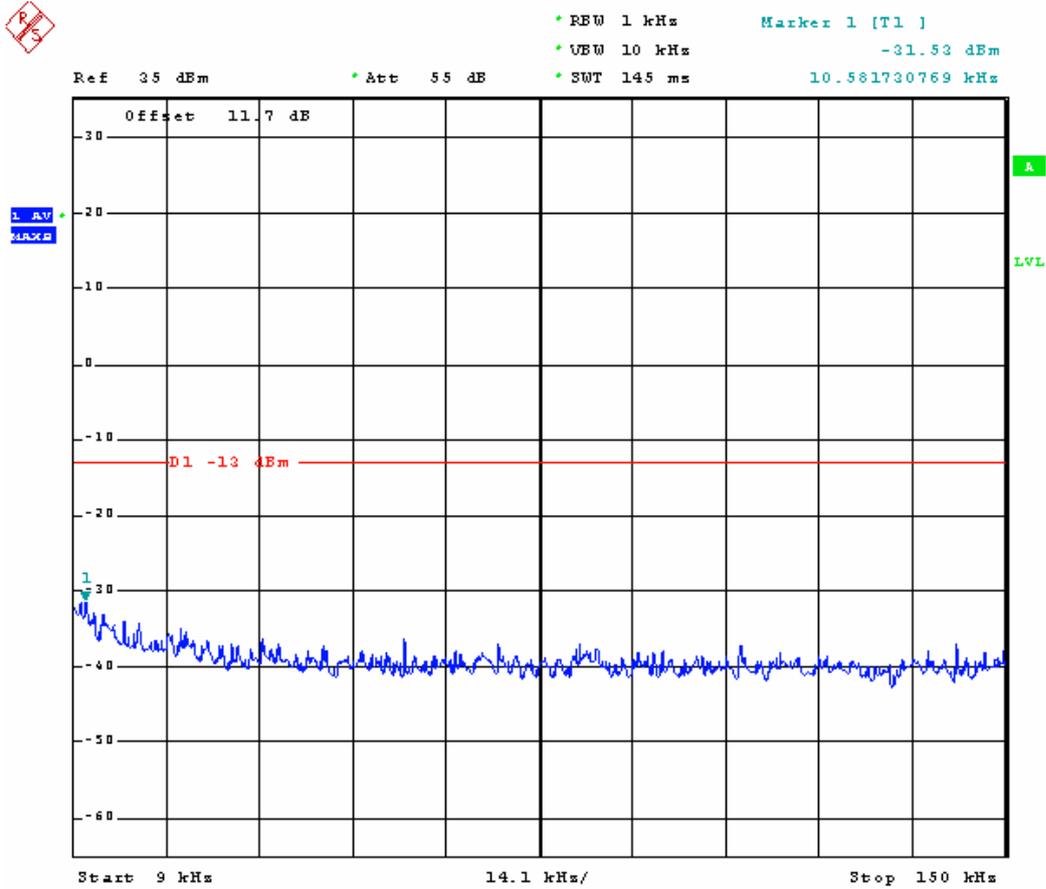
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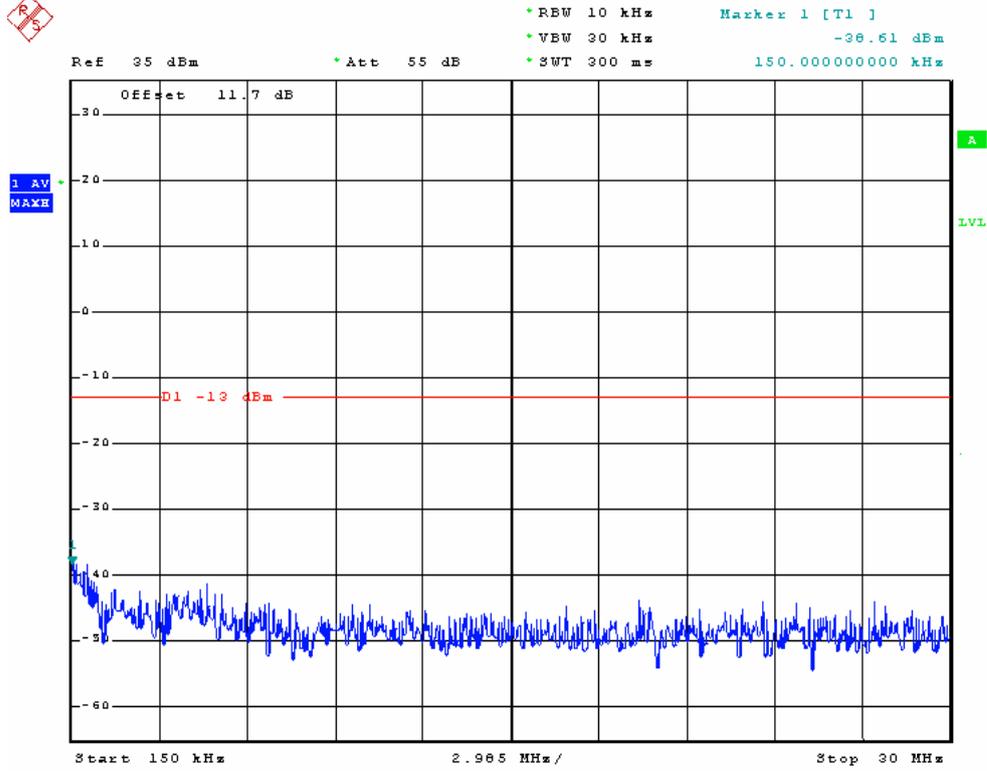
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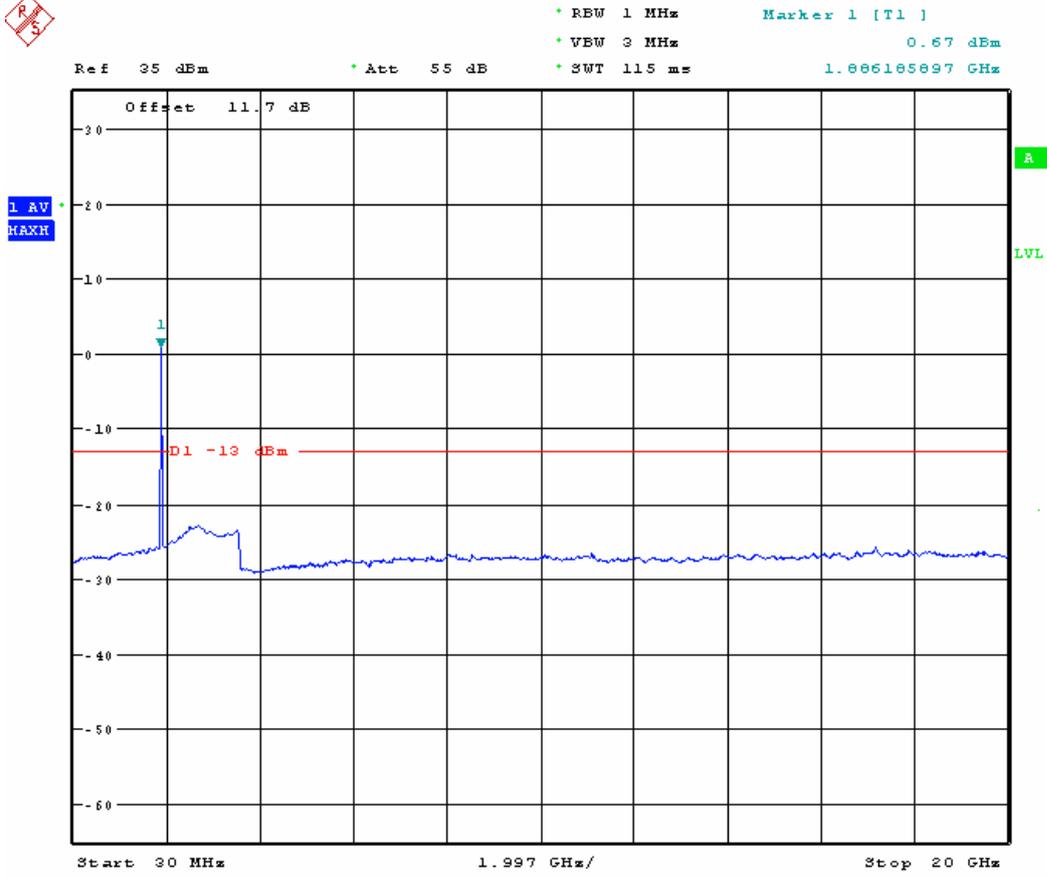
Channel 810



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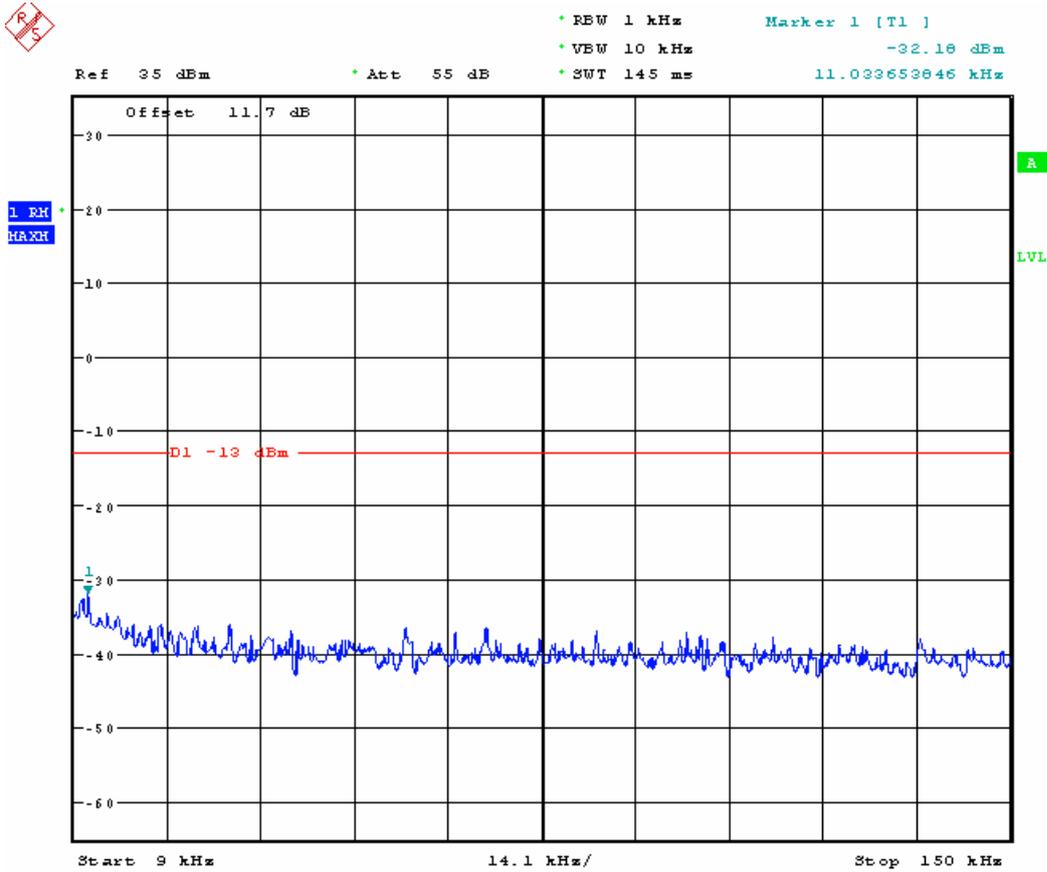
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Date: 19.NOV.2010 18:17:08



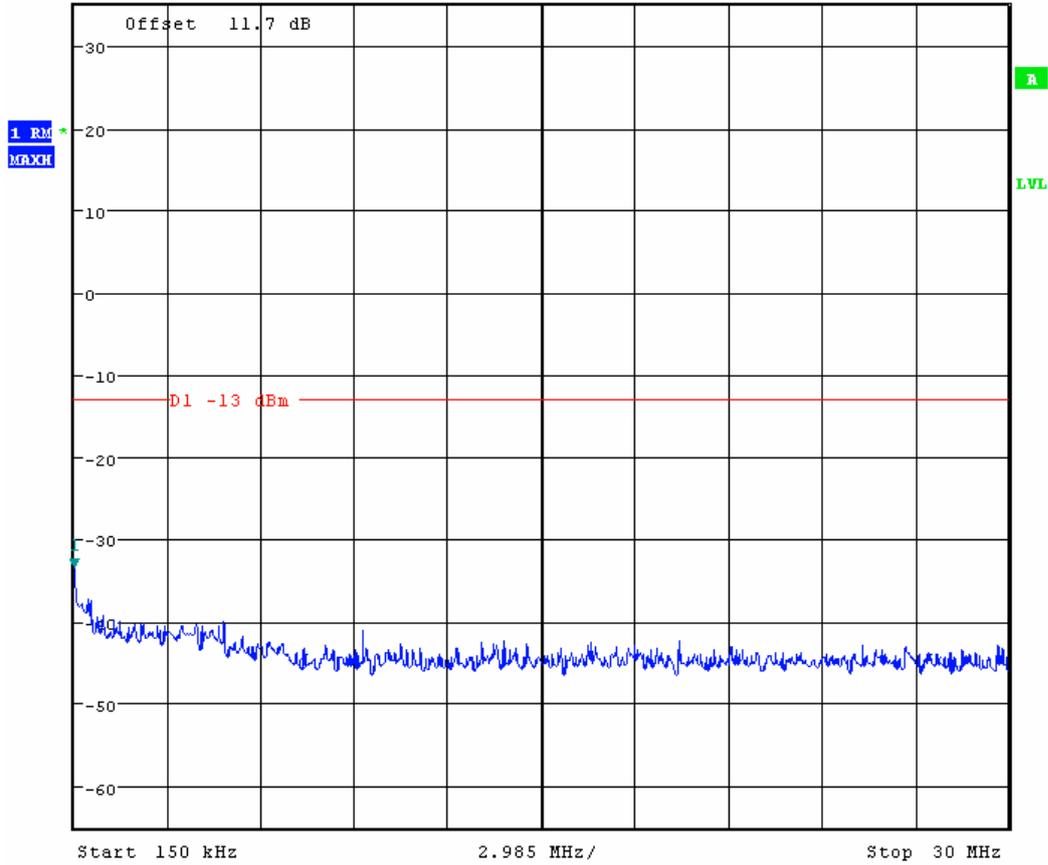
TM3: WCDMA Channel 9262



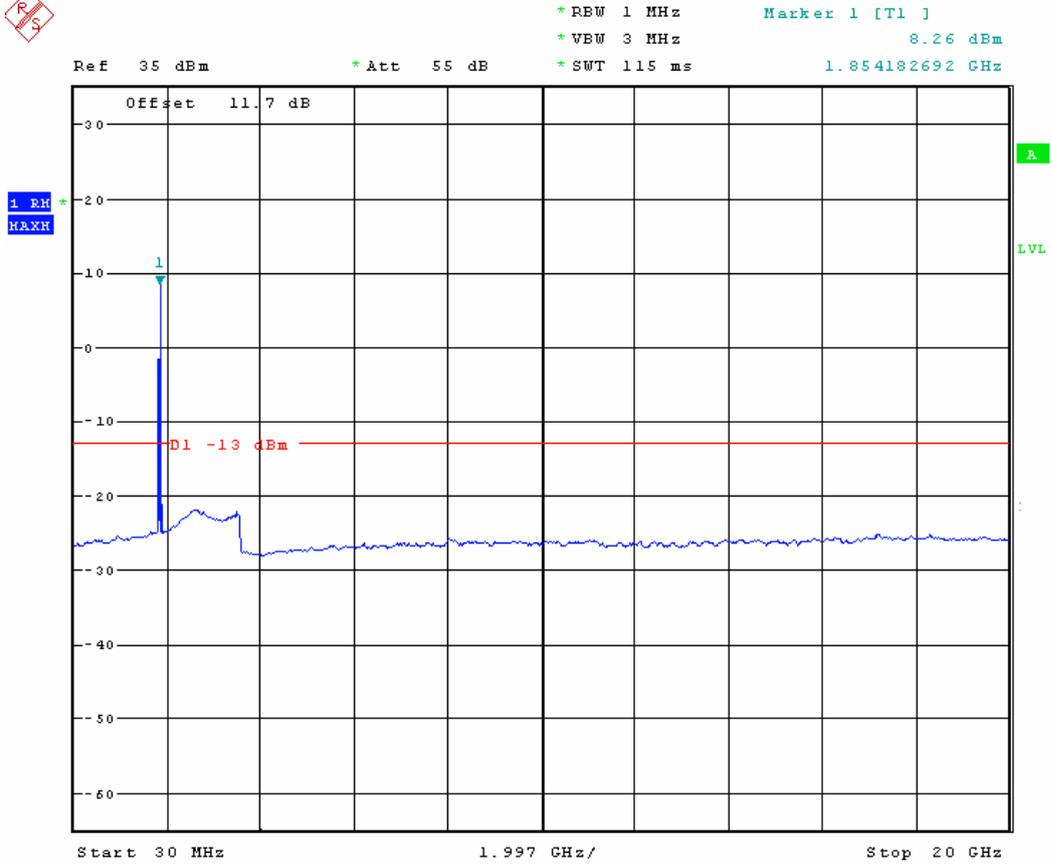
Date: 20.NOV.2010 10:32:46



Ref 35 dBm *Att 55 dB *RBW 10 kHz Marker 1 [T1]
 *VBW 30 kHz -33.68 dBm
 *SWT 300 ms 150.000000000 kHz



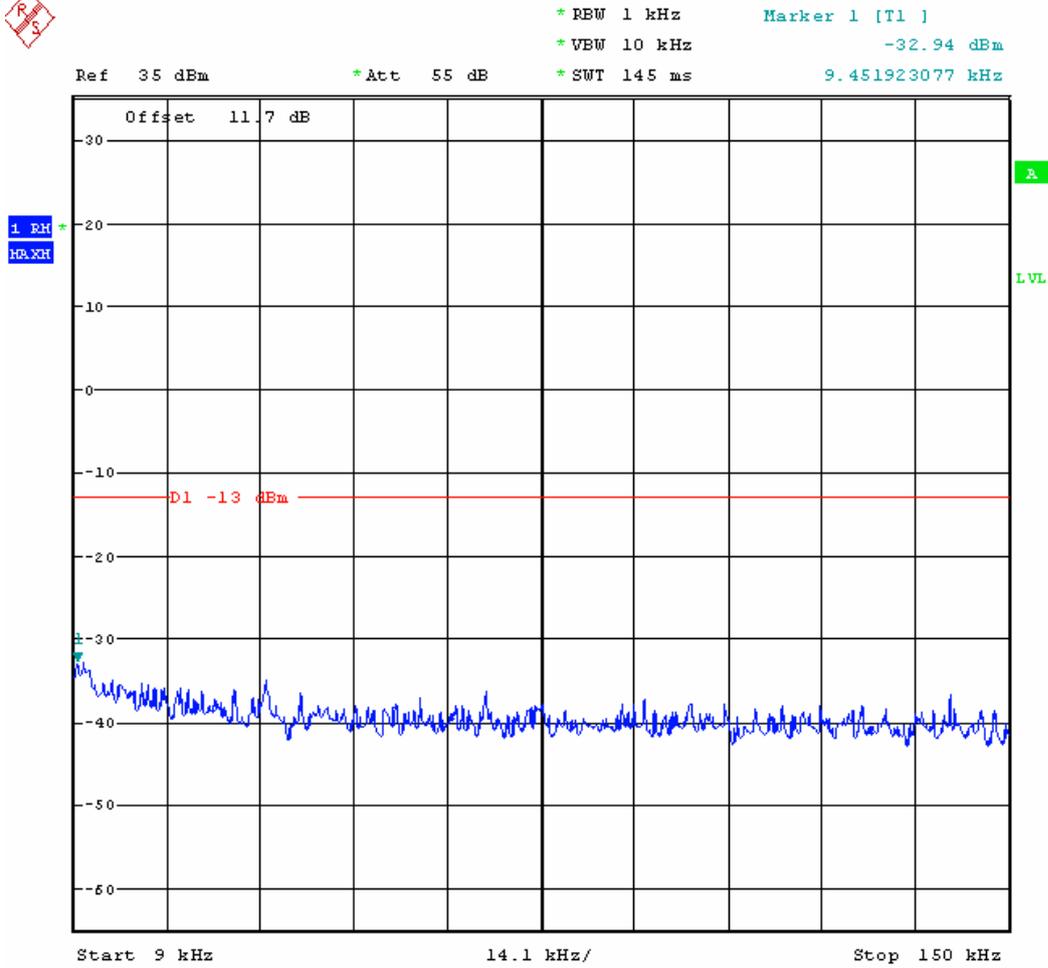
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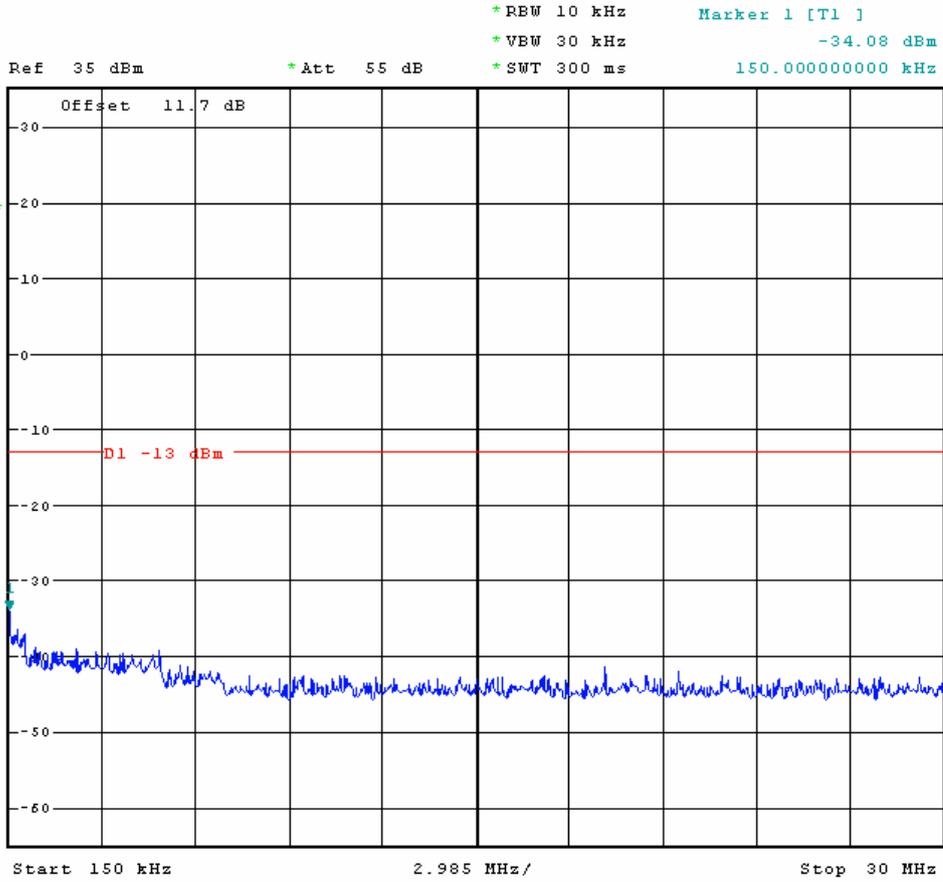
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Channel 9400



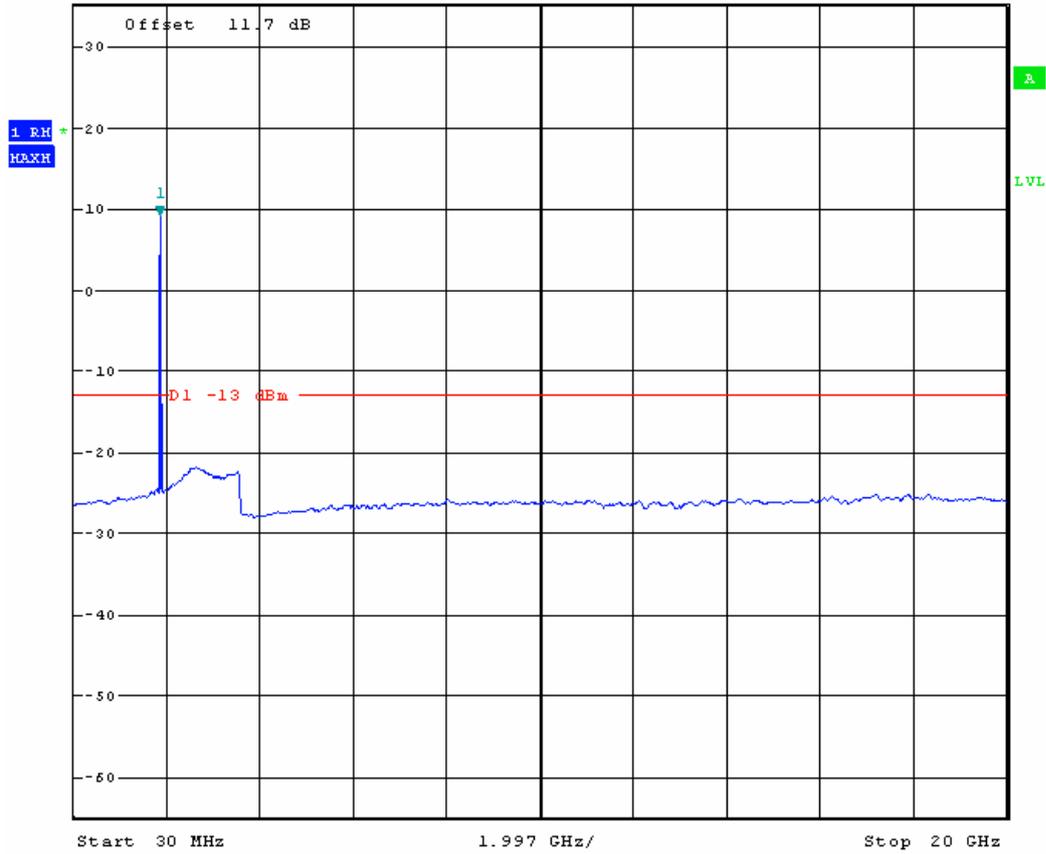
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Date: 20.NOV.2010 10:16:45



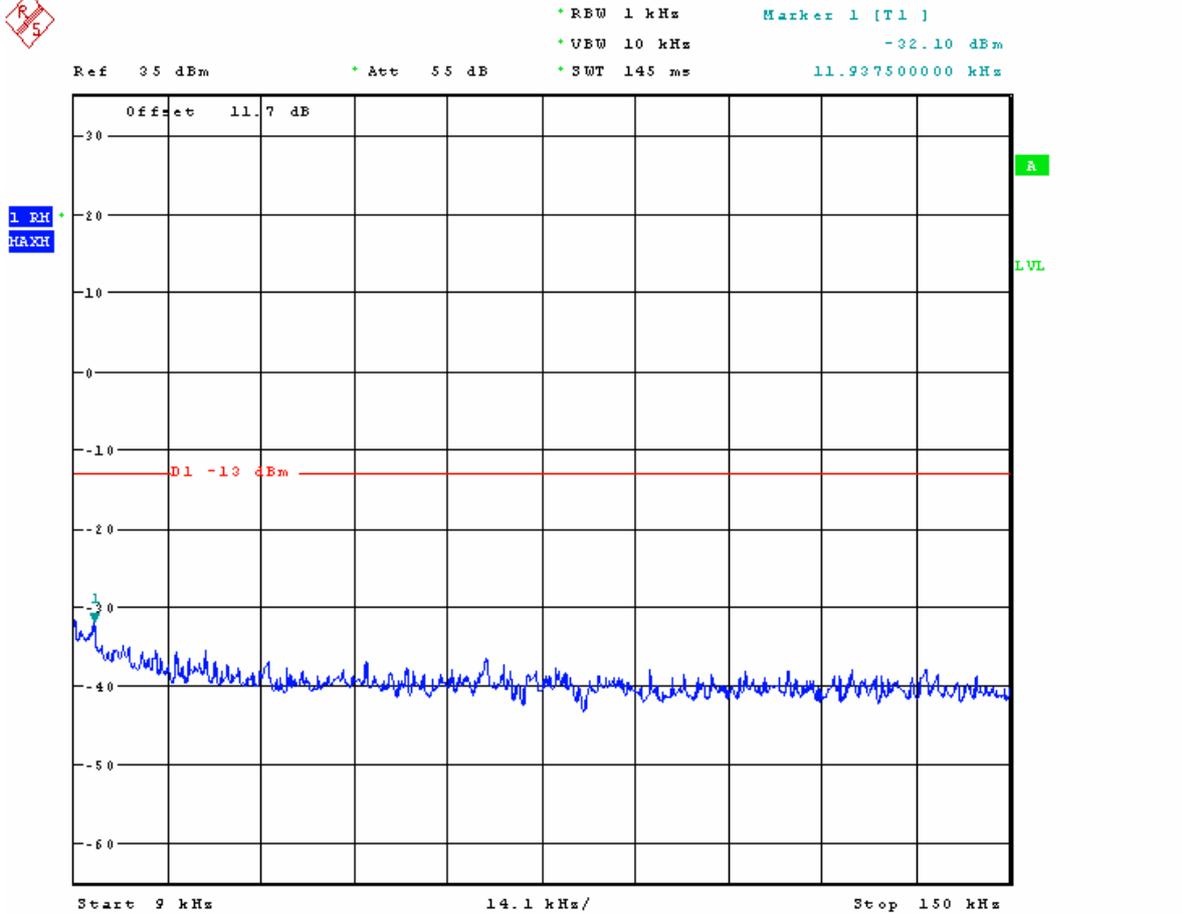
*RBW 1 MHz Marker 1 [T1]
 *VBW 3 MHz 8.83 dBm
 *Att 55 dB *SWT 115 ms 1.854182692 GHz
 Ref 35 dBm Offset 11.7 dB



Date: 20.NOV.2010 09:45:30



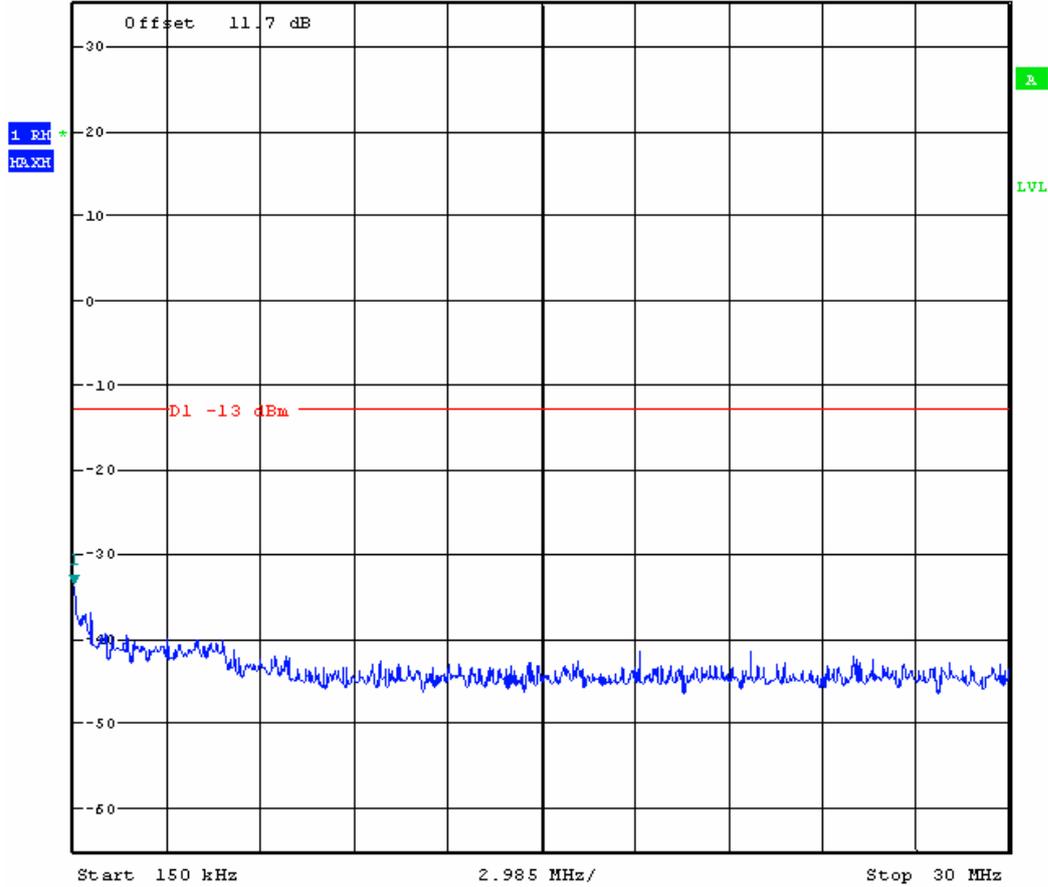
Channel 9538



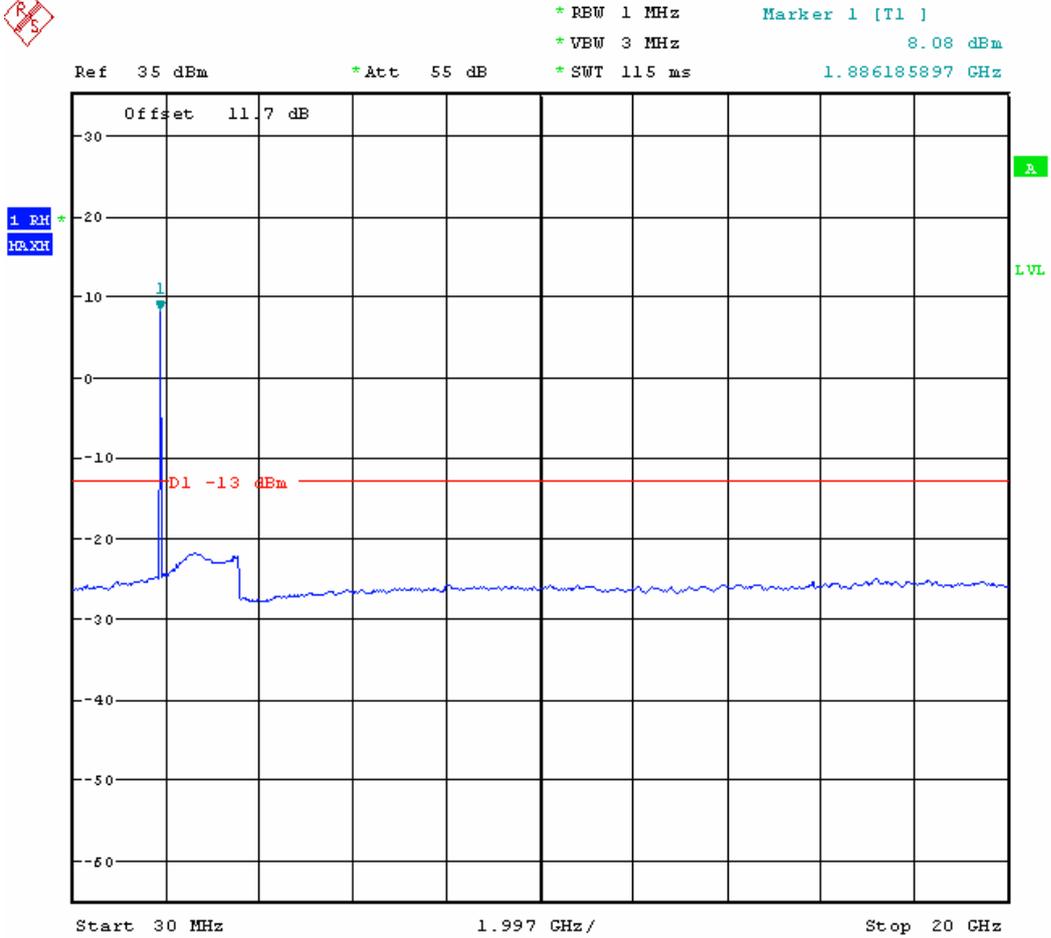
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*RBW 10 kHz Marker 1 [T1]
 *VBW 30 kHz -33.71 dBm
 *SWT 300 ms 150.00000000 kHz
 Ref 35 dBm *Att 55 dB



Date: 20.NOV.2010 10:17:28



Date: 20.NOV.2010 09:48:19