



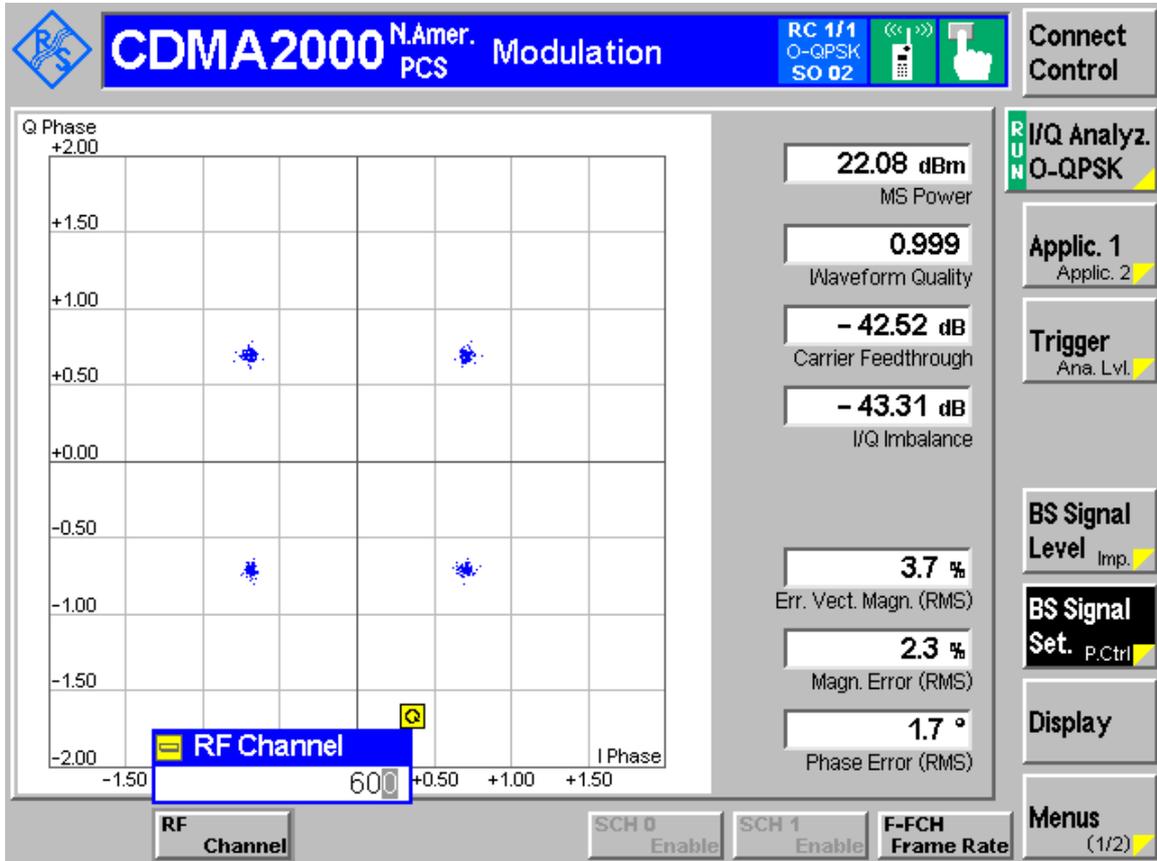
Appendix A

Modulation Characteristics

According to FCC Part 2.1047& Part 24 Subpart E

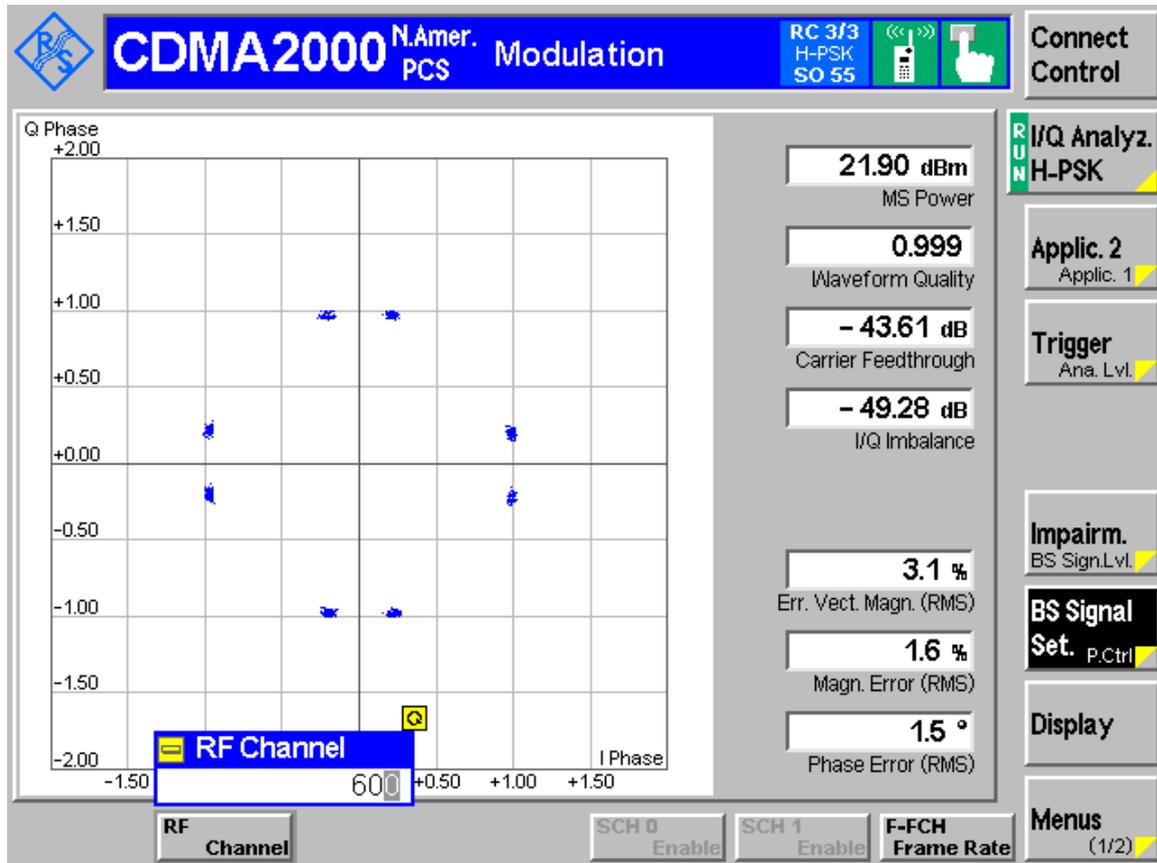


Channel 600 (TM1)



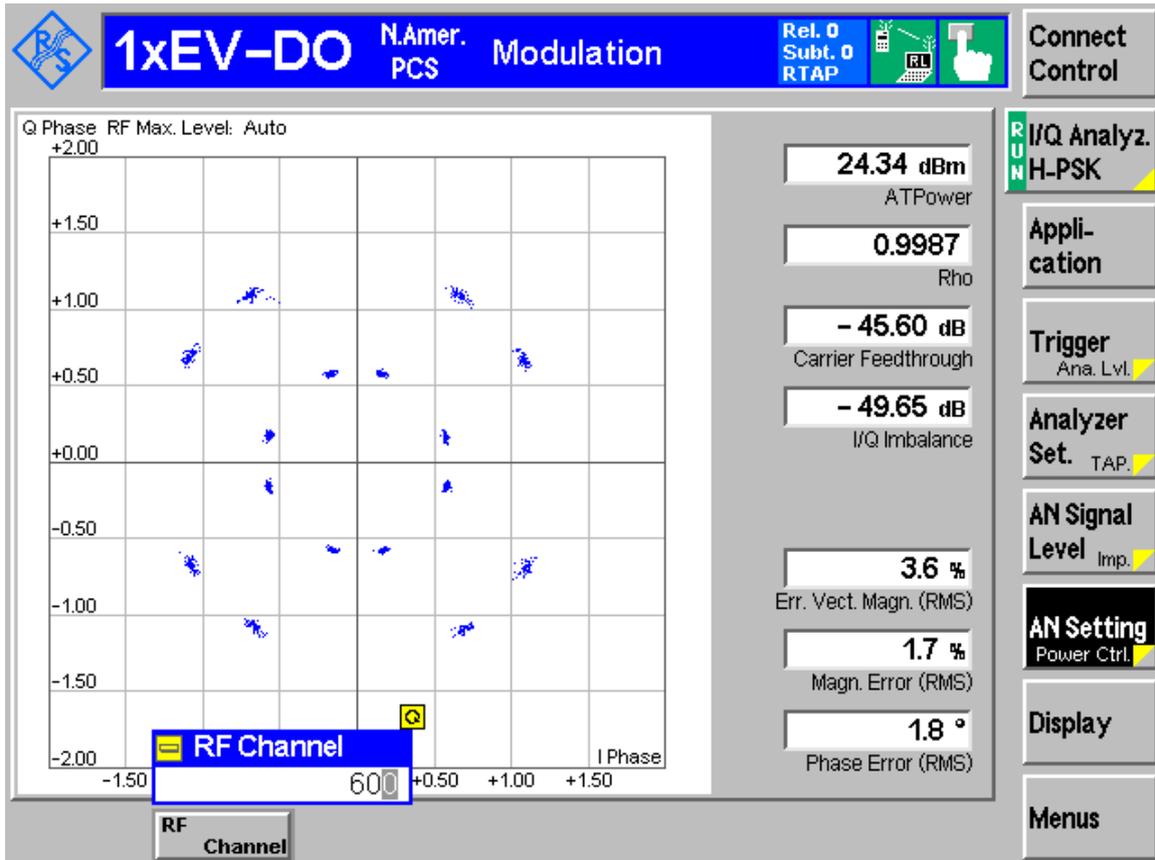


Channel 600 (TM3)





Channel 600 (Subtype 0) (HPSK)

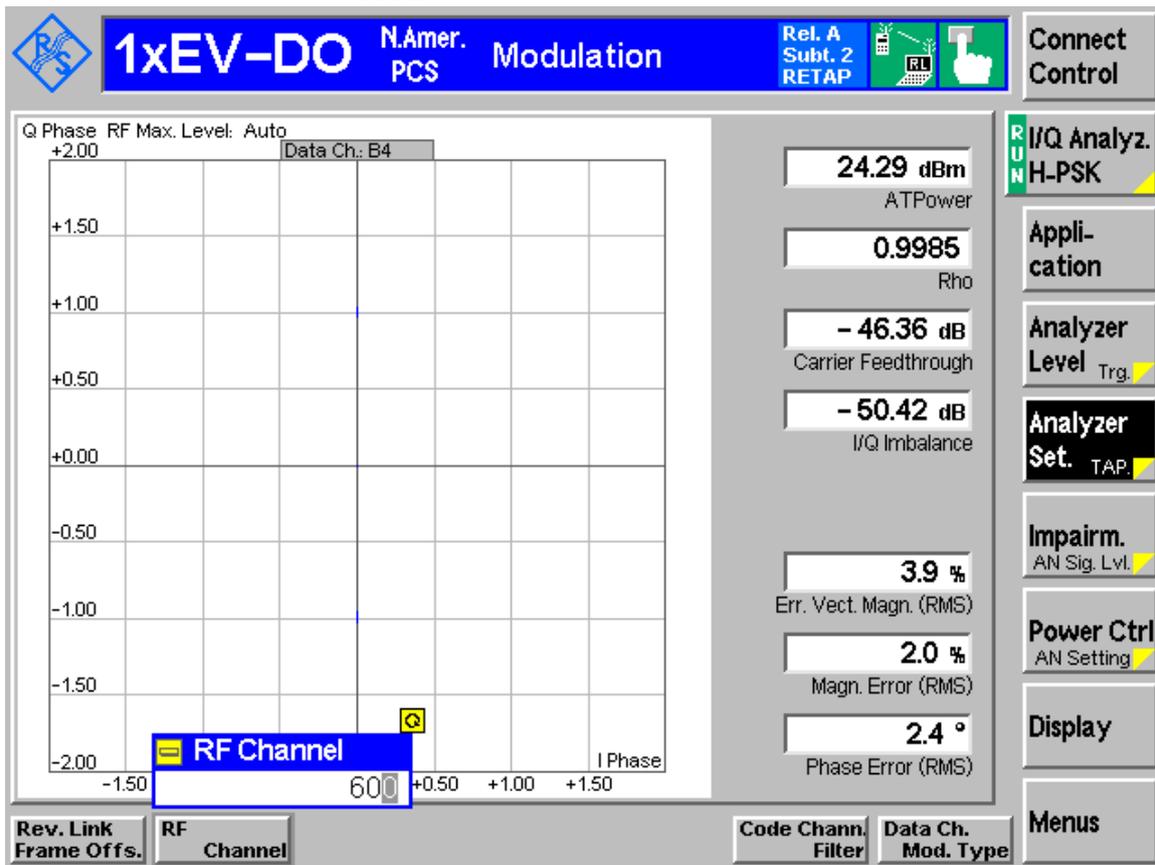




Channel 600 (Subtype 2)

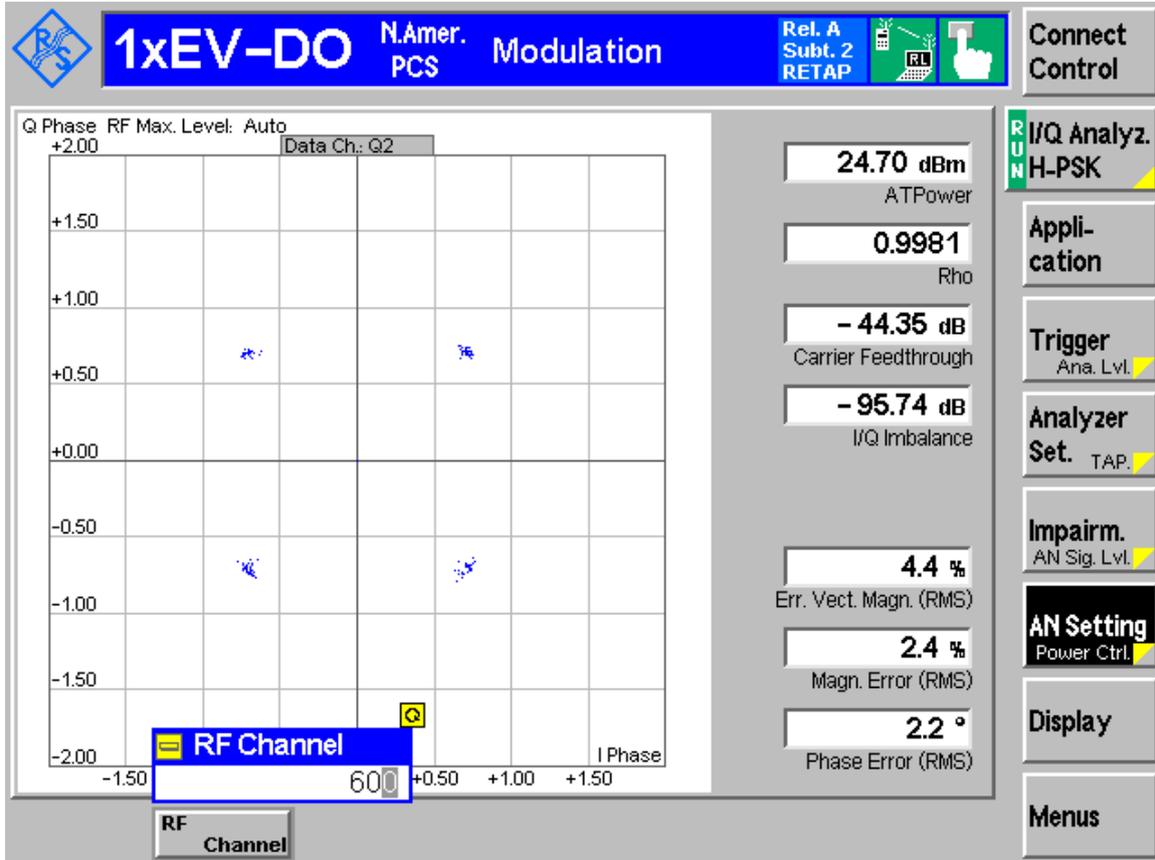
The R-Data packet size determines the modulation format:

R-Data Pkt Size (256 bits)
 (BPSK)



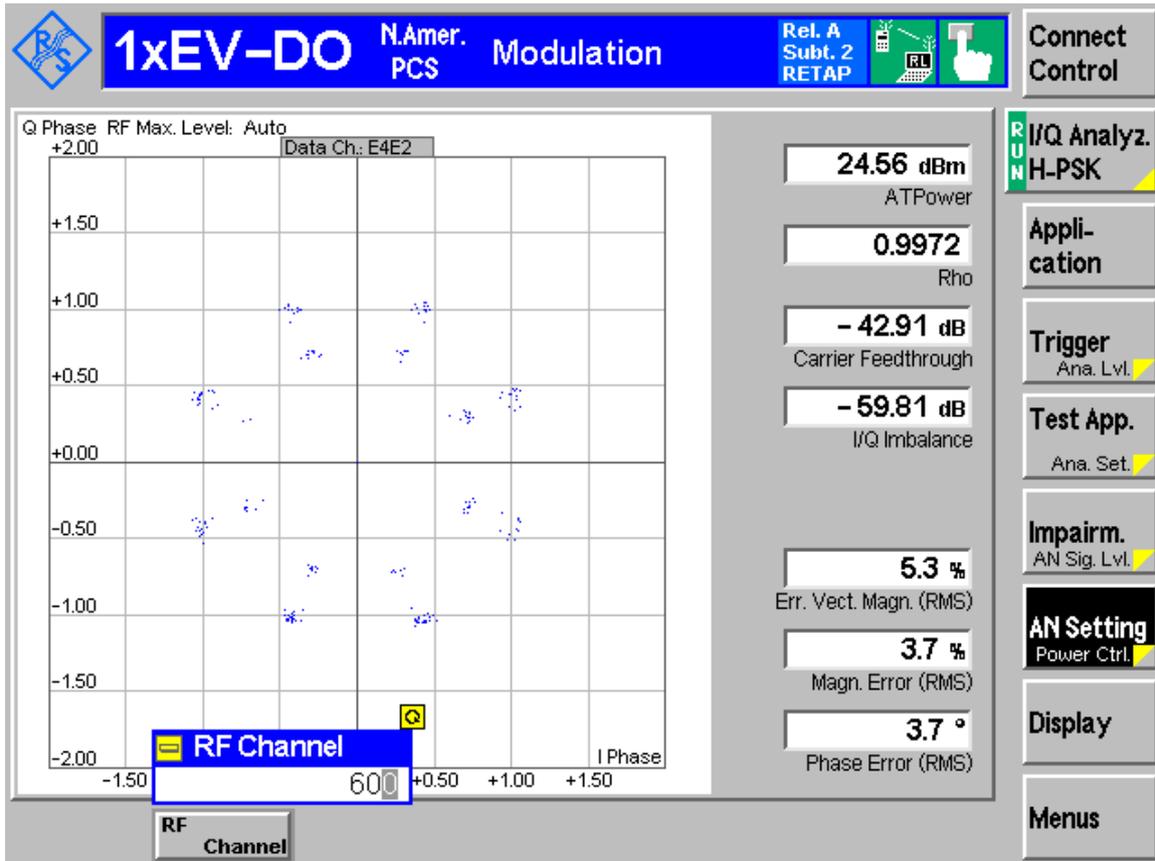


R-Data Pkt Size (4096 bits)
(QPSK)





R-Data Pkt Size (12288 bits)
(8PSK)





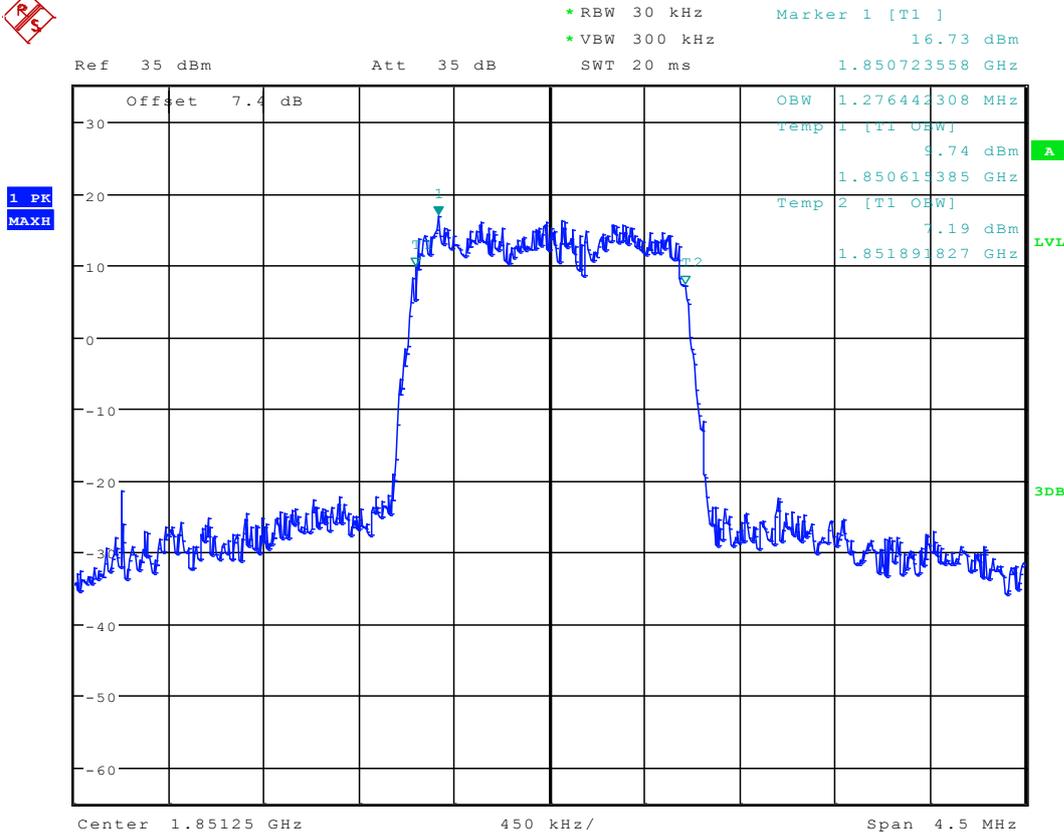
Appendix B

Occupied Bandwidth

According to FCC part 2.1049 & Part 24 Subpart E

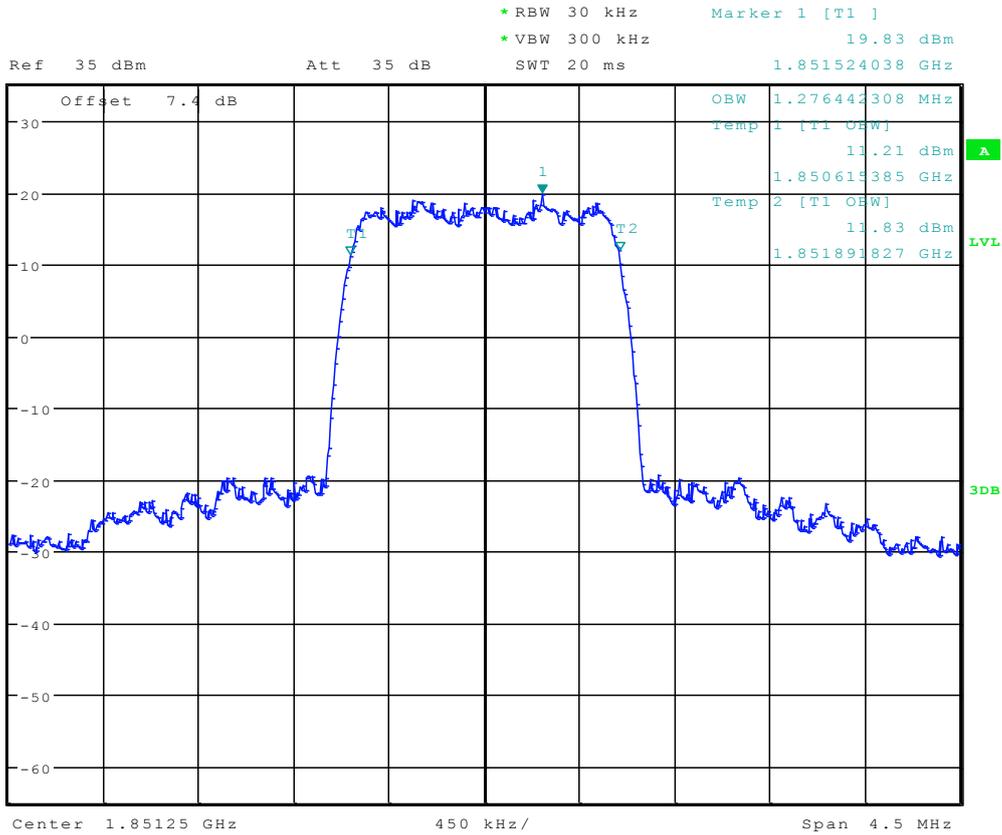


Channel 25 (TM1)



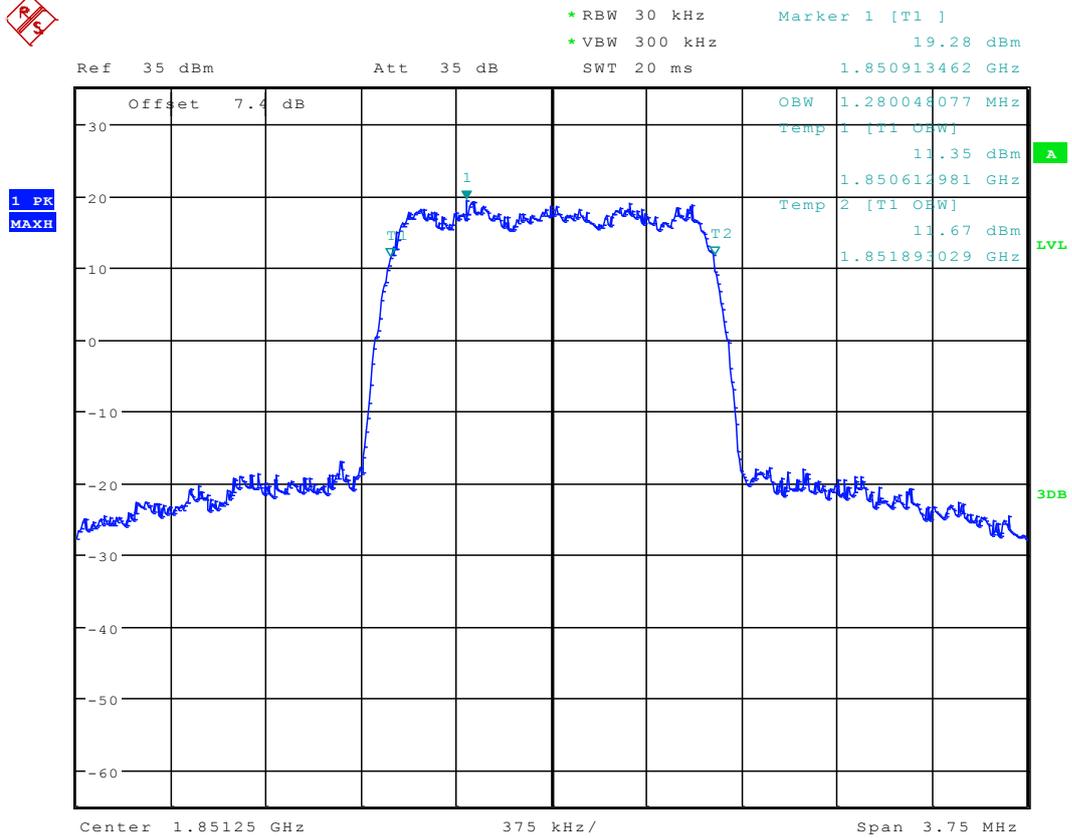


Channel 25 (TM3)



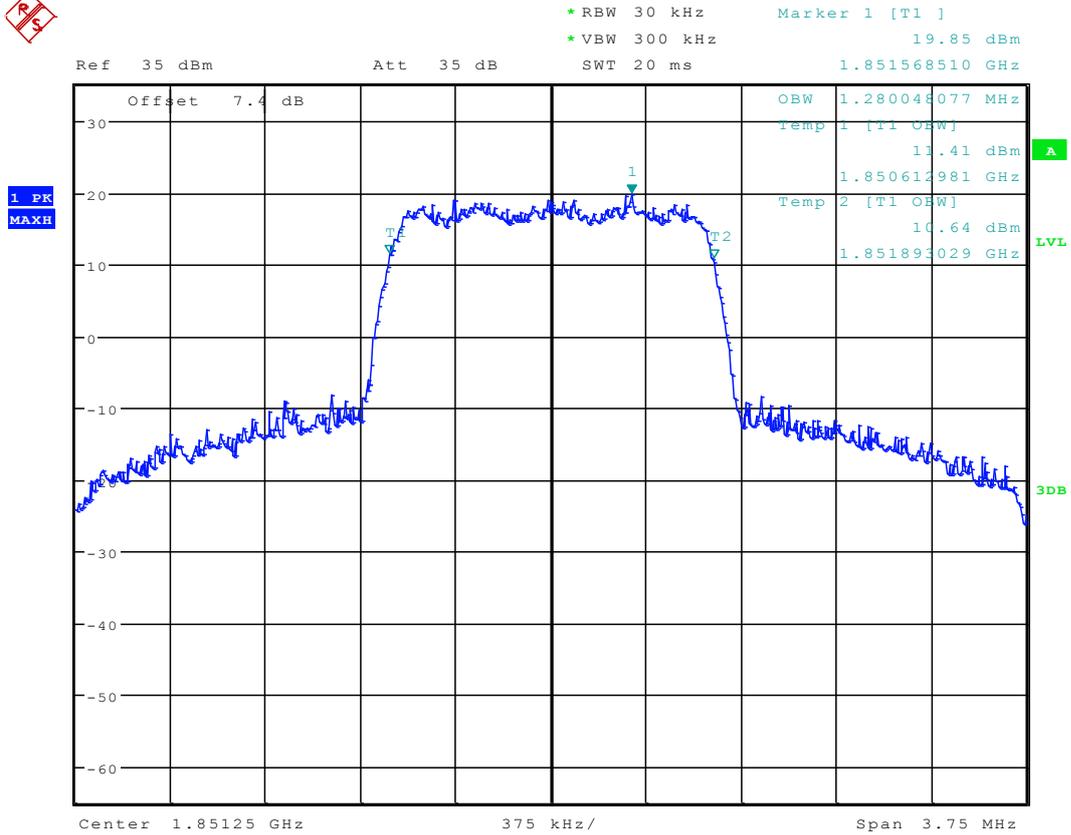


Channel 25(EVDO subtype 0)



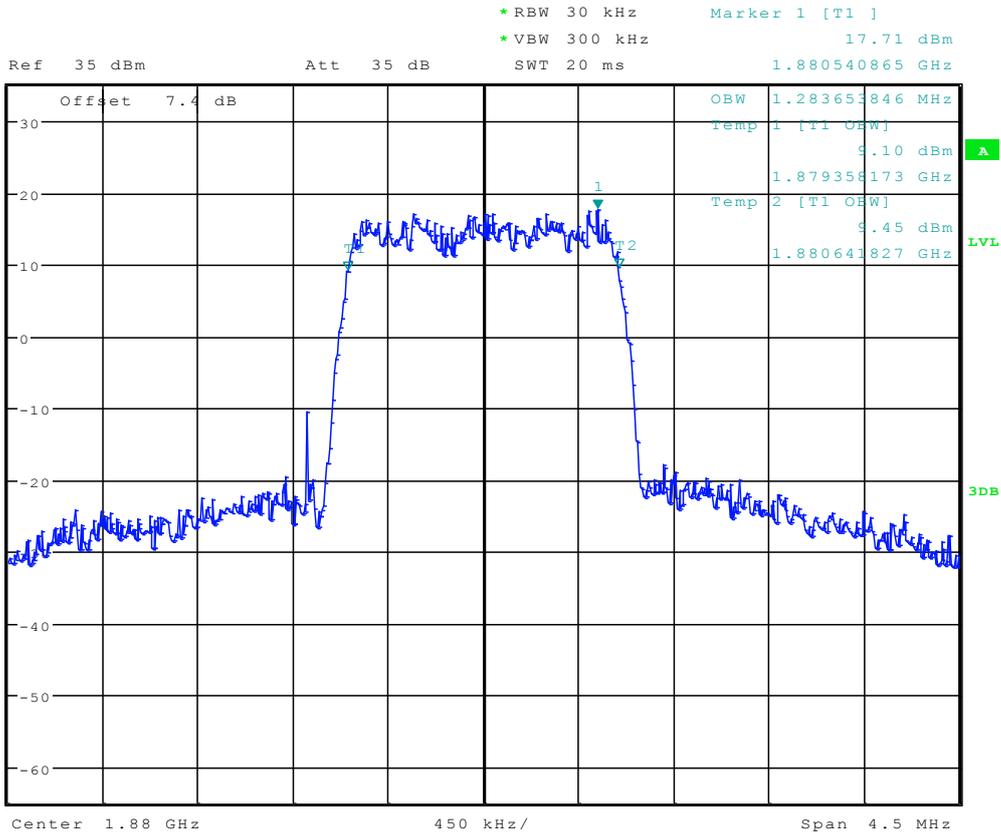


Channel 25 (EVDO Subtype 2)

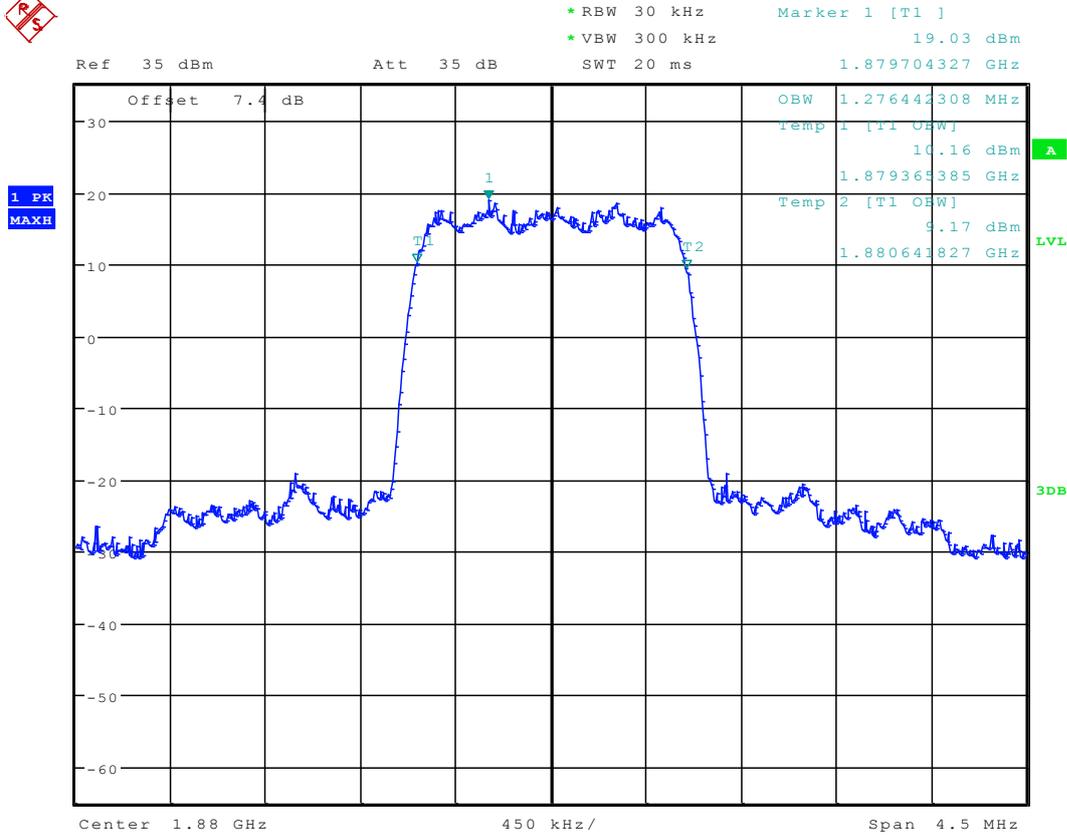




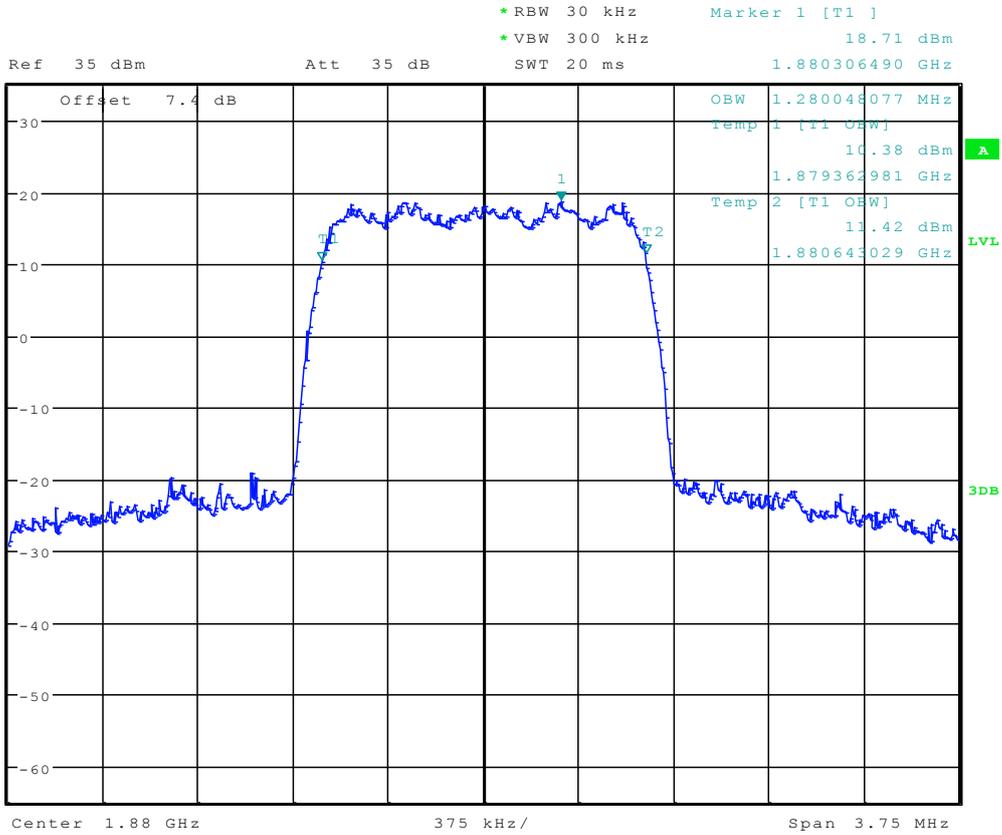
Channel 600(TM1)



Channel 600(TM3)



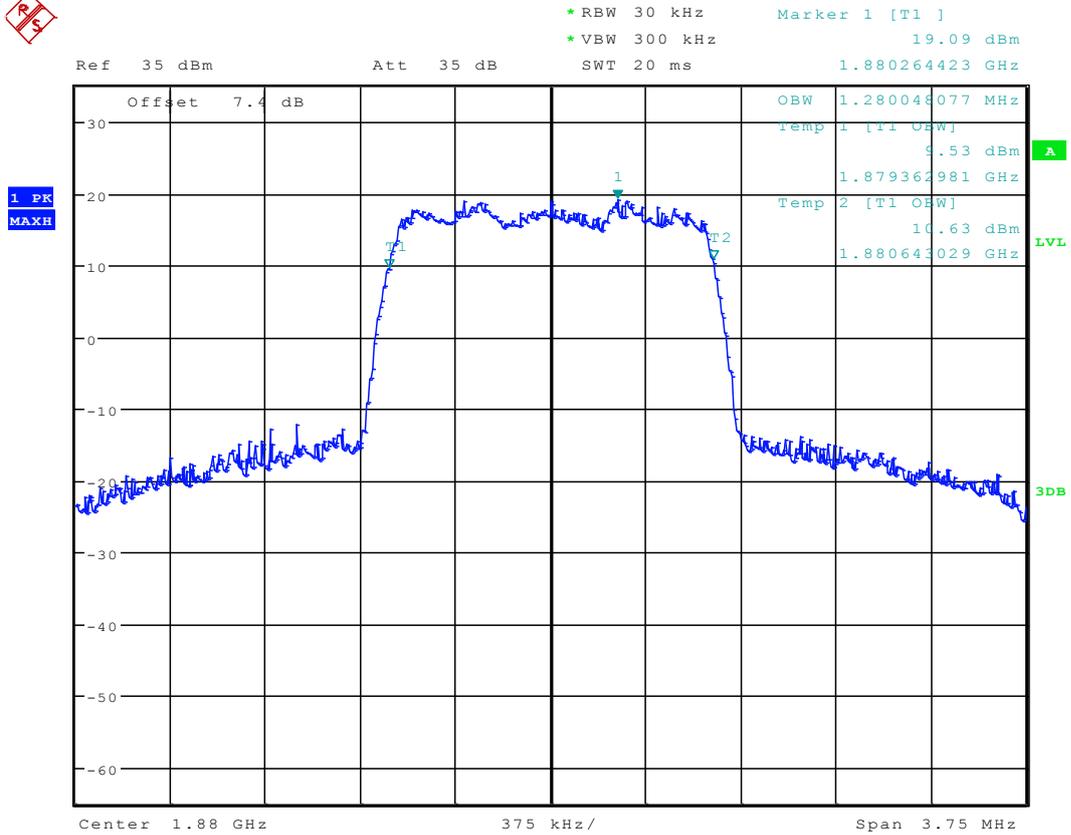
Channel 600 (EVDO subtype 0)



Channel 600

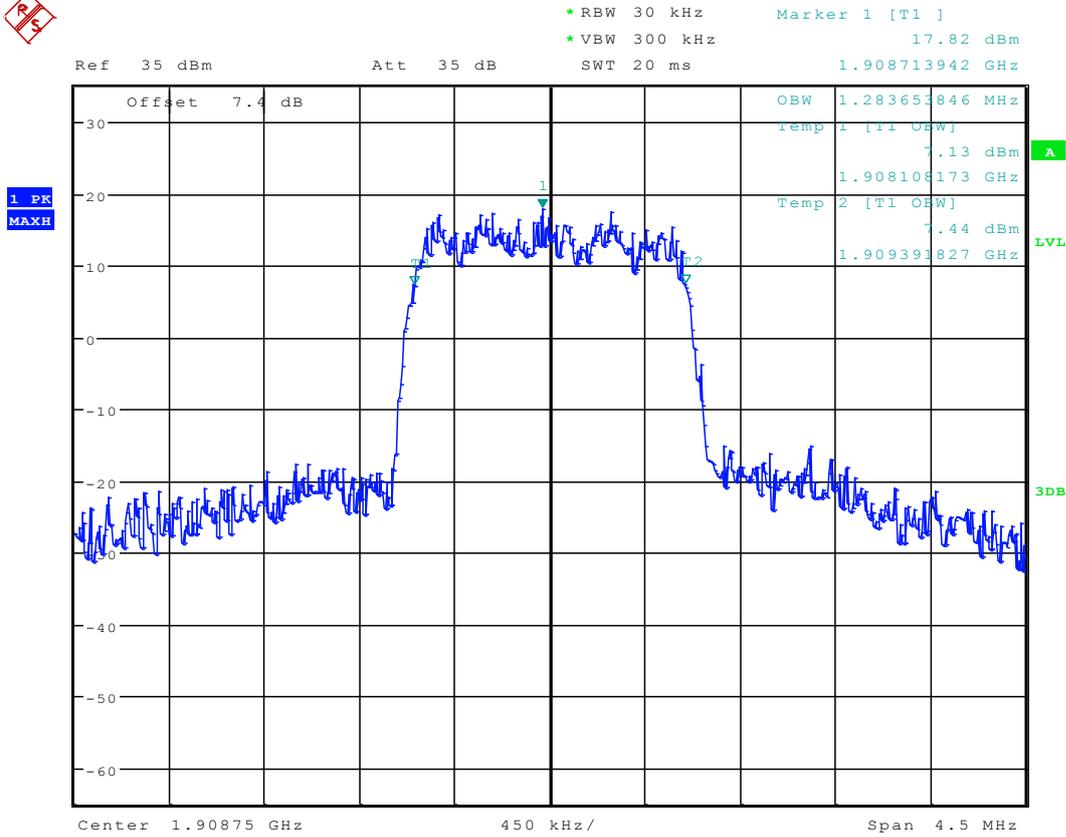


(EVDO subtype 2)



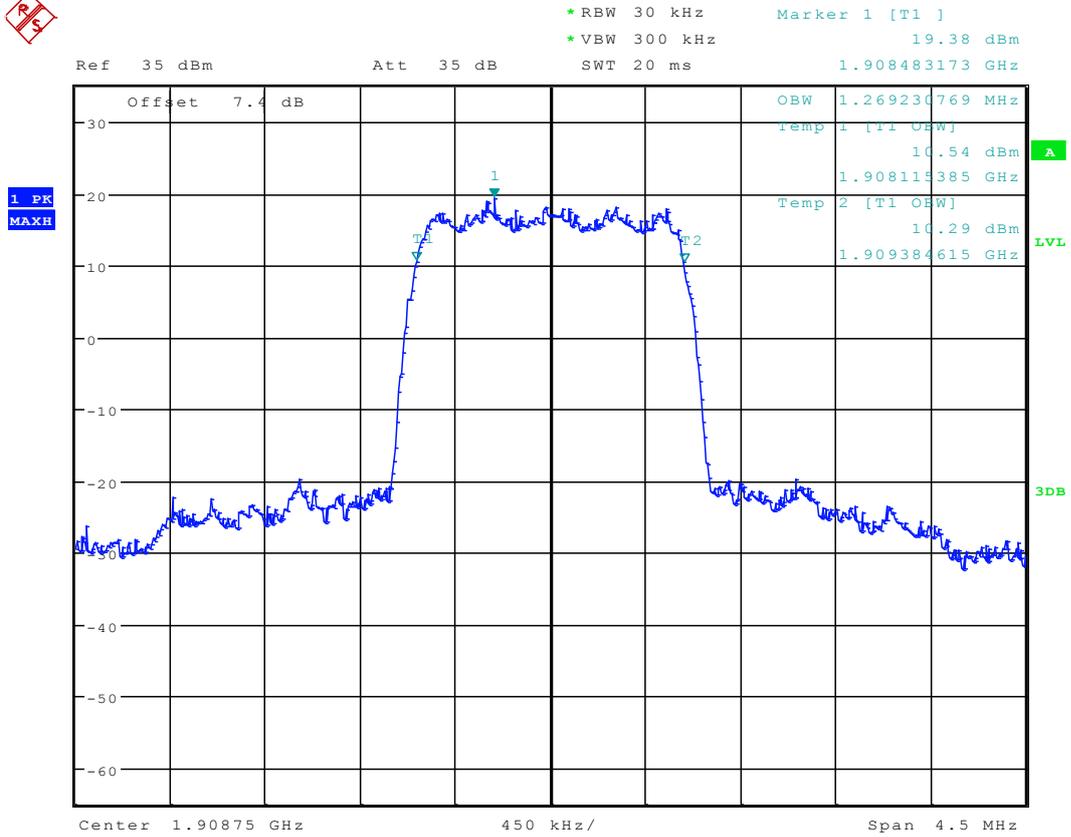


Channel 1175(TM1)



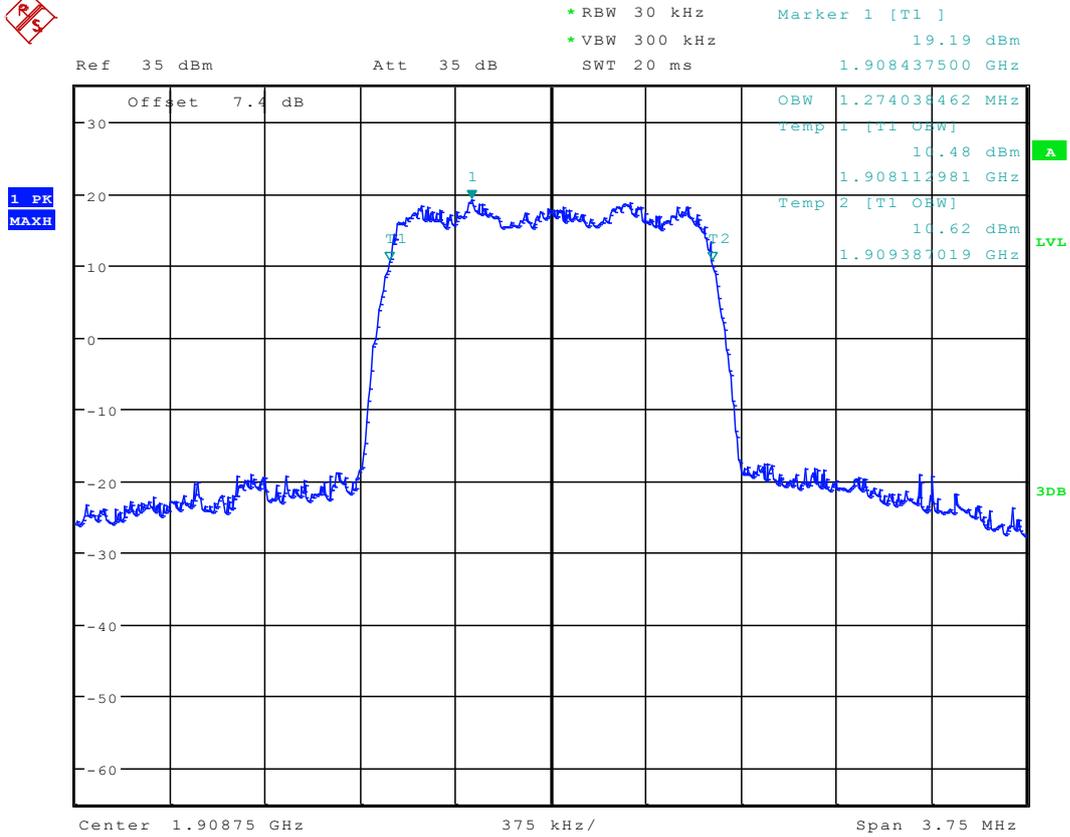


Channel 1175(TM3)





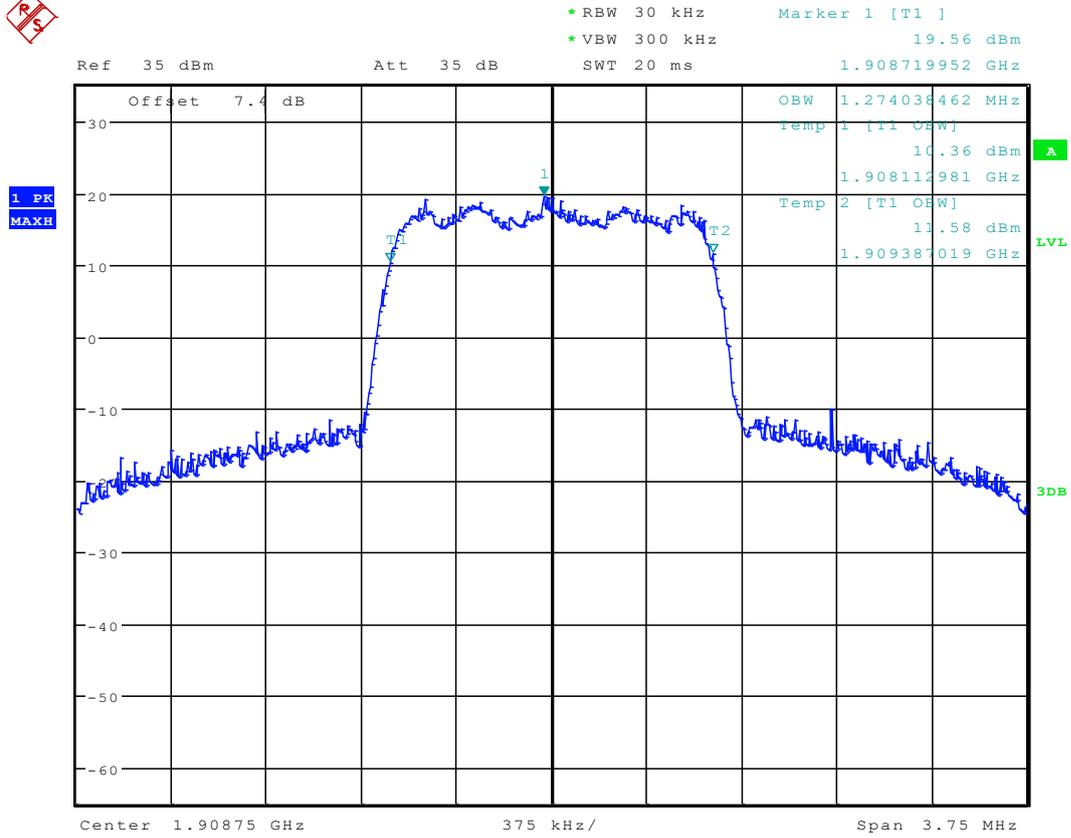
Channel 1175(EVDO subtype 0)



Channel 1175



(EVDO subtype 2)





Appendix C

Band Edges Compliance According to FCC Part 2.1051 & 24.238

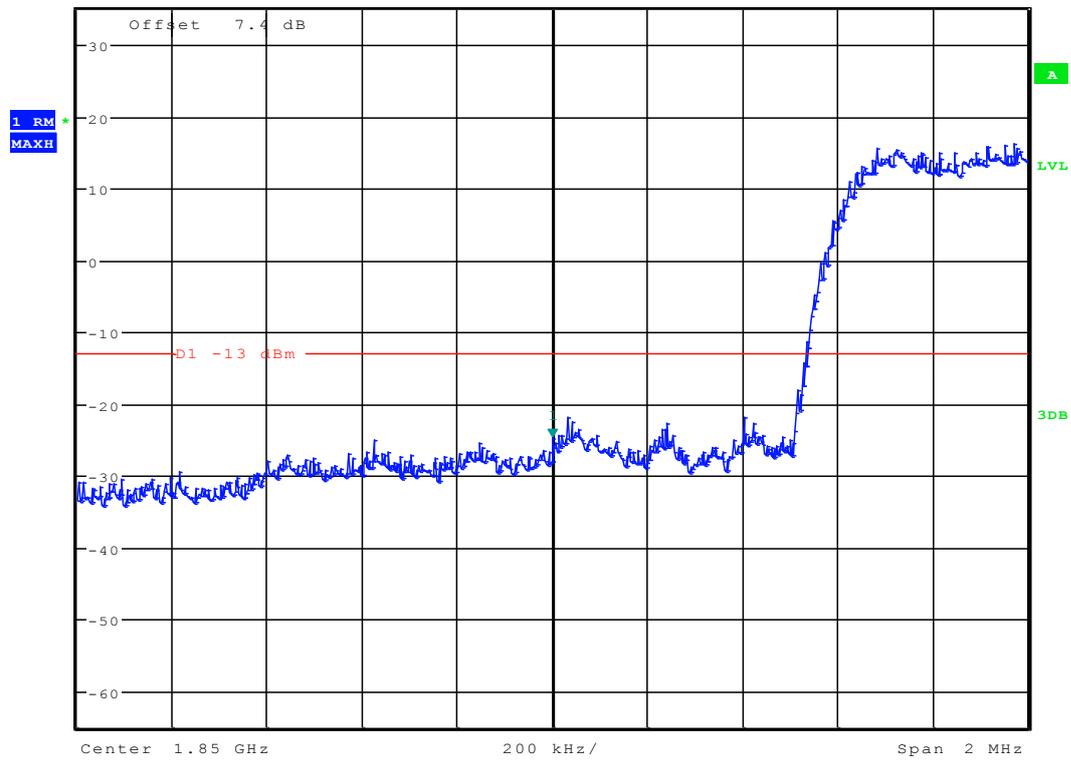


TM1

Left Edge (1850 MHz) Channel 25

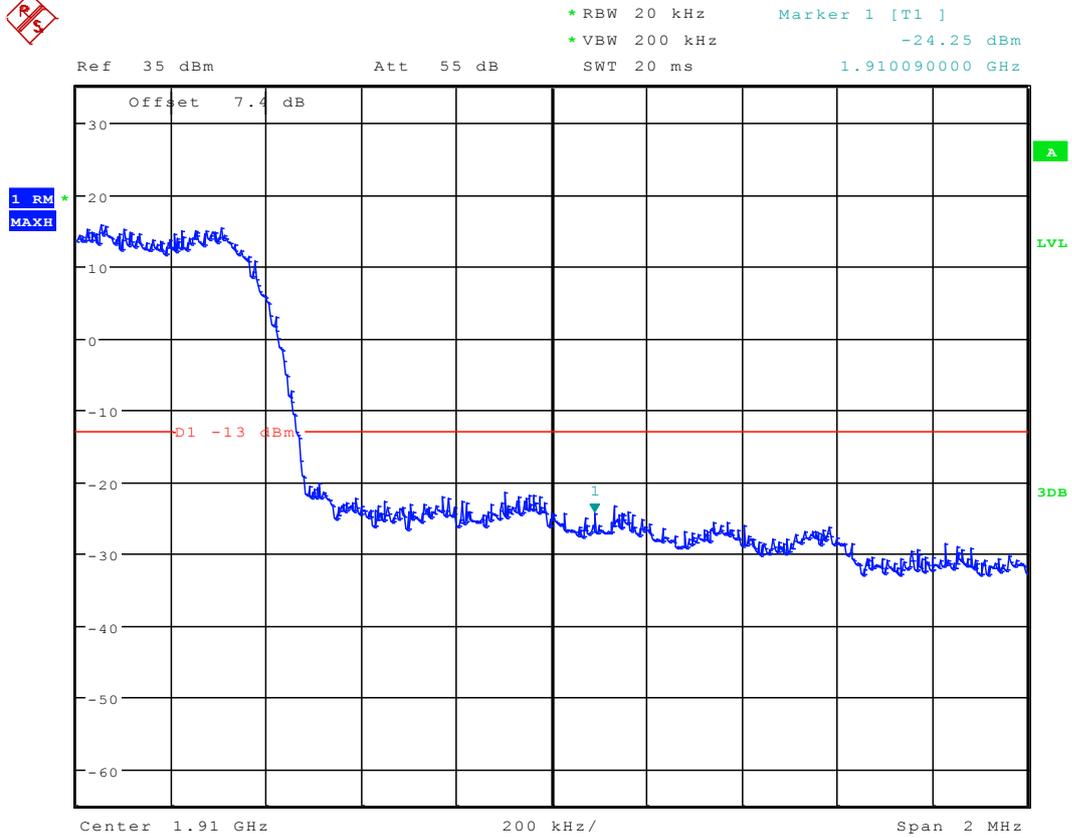


Ref 35 dBm Att 55 dB SWT 20 ms
*RBW 20 kHz *VBW 200 kHz
Marker 1 [T1] -24.79 dBm
1.850000000 GHz





Right Edge (1910MHz) Channel 1175

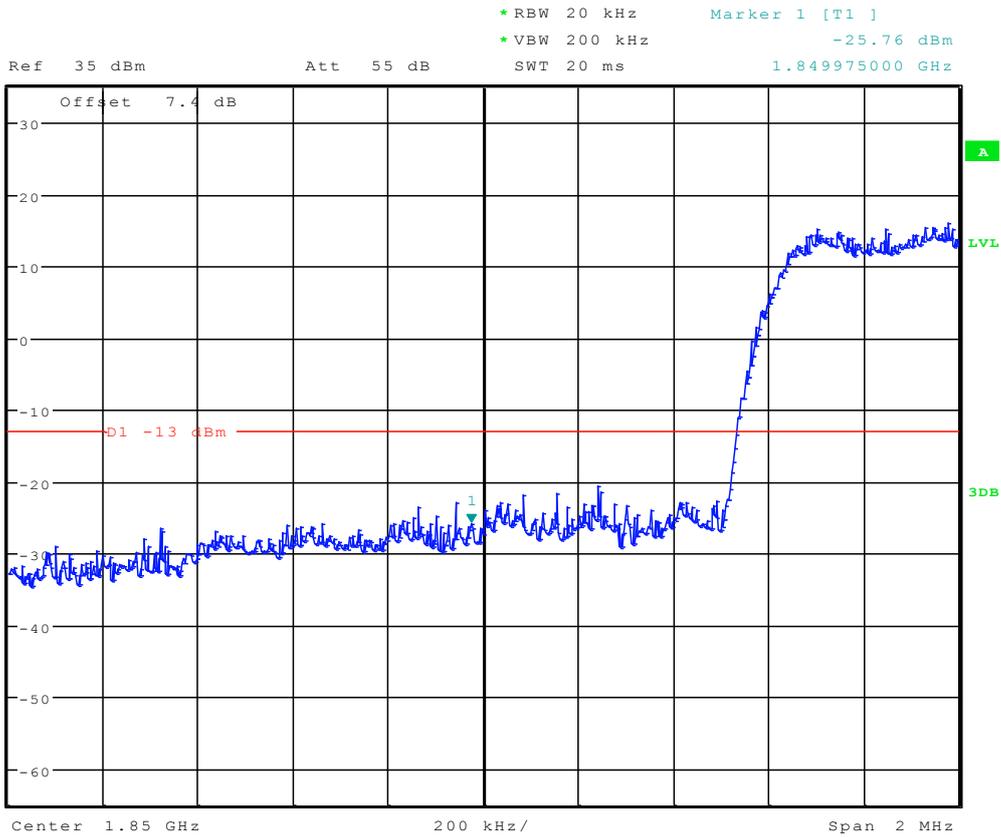




TM3

Left Edge (1850 MHz)

Channel 25

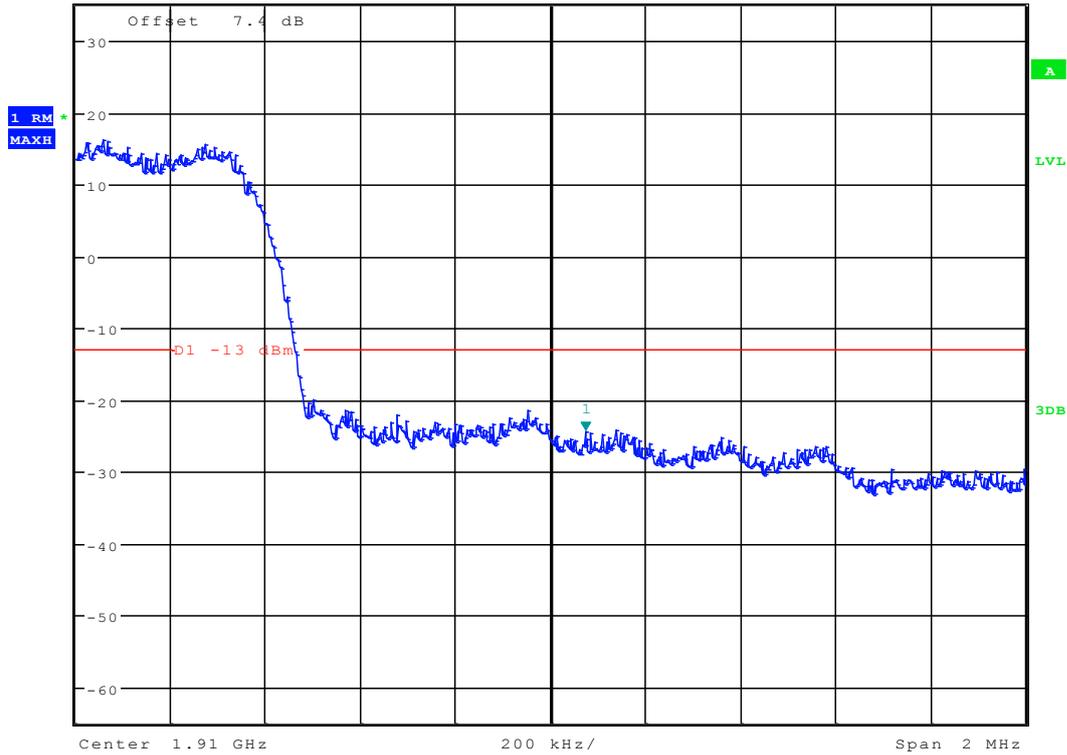




Right Edge (1910MHz) Channel 1175



Ref 35 dBm Att 55 dB RBW 20 kHz Marker 1 [T1]
* VBW 200 kHz -24.34 dBm
SWT 20 ms 1.910075000 GHz



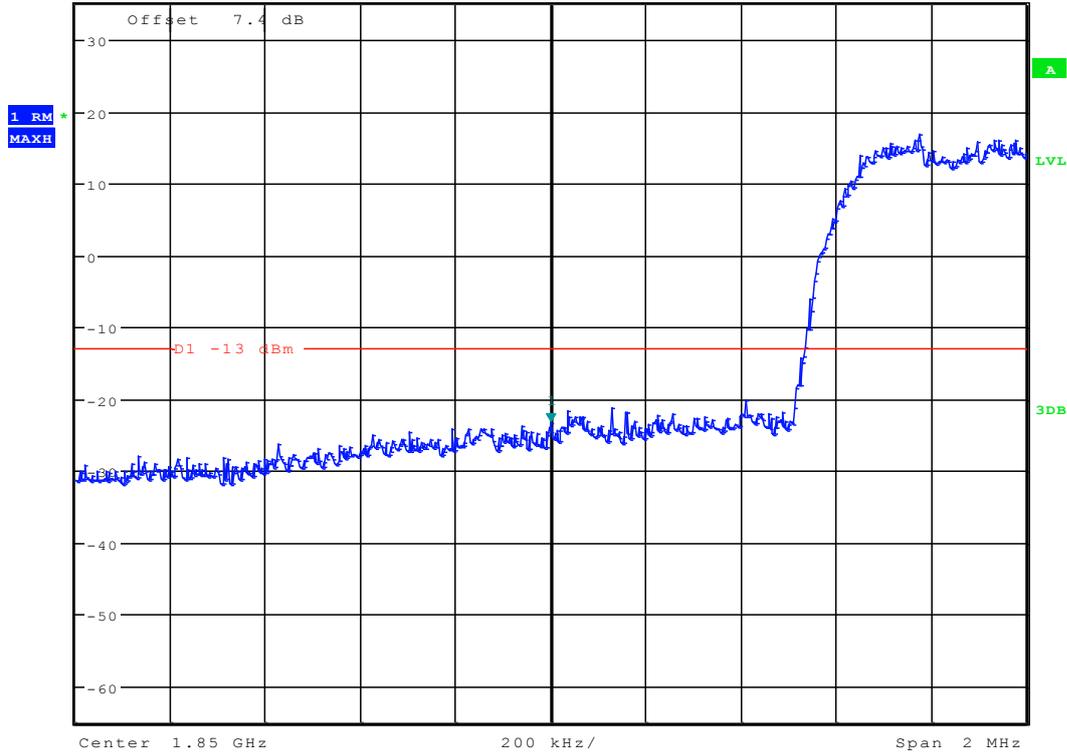


EVDO subtype 0

Left Edge (1850 MHz) Channel 25

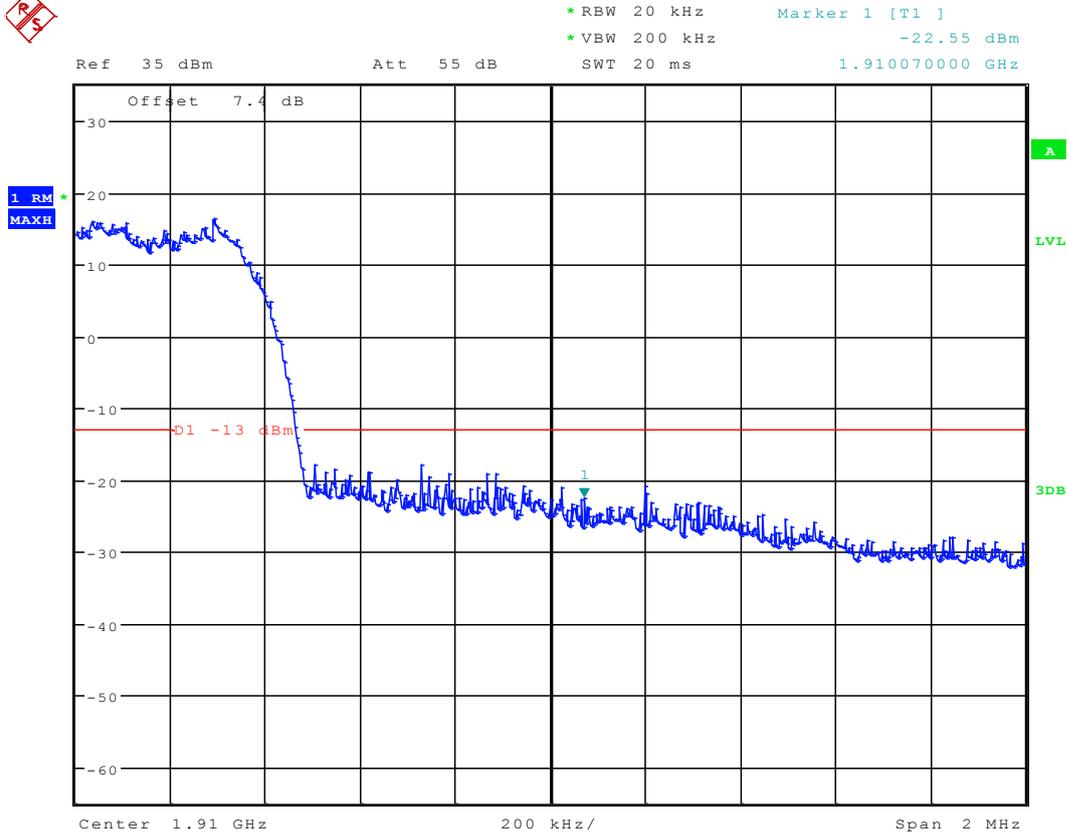


Ref 35 dBm Att 55 dB SWT 20 ms
*RBW 20 kHz *VBW 200 kHz
Marker 1 [T1] -23.30 dBm
1.850000000 GHz





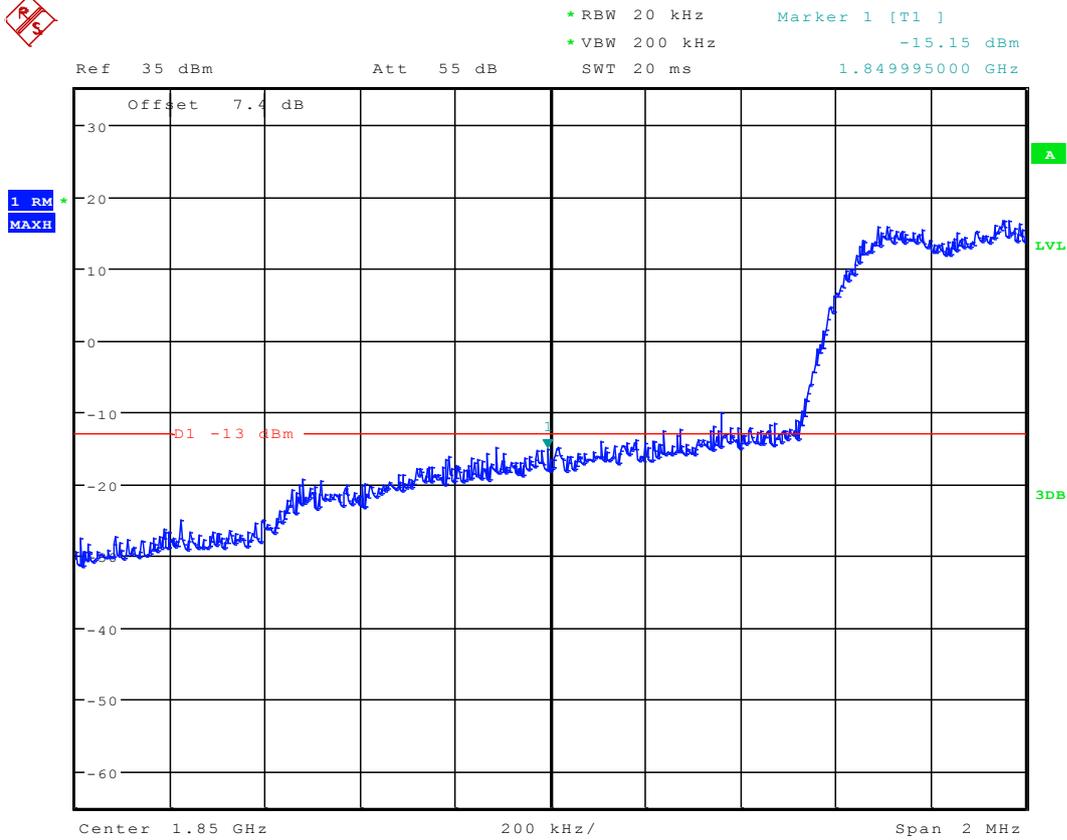
Right Edge (1910MHz) Channel 1175





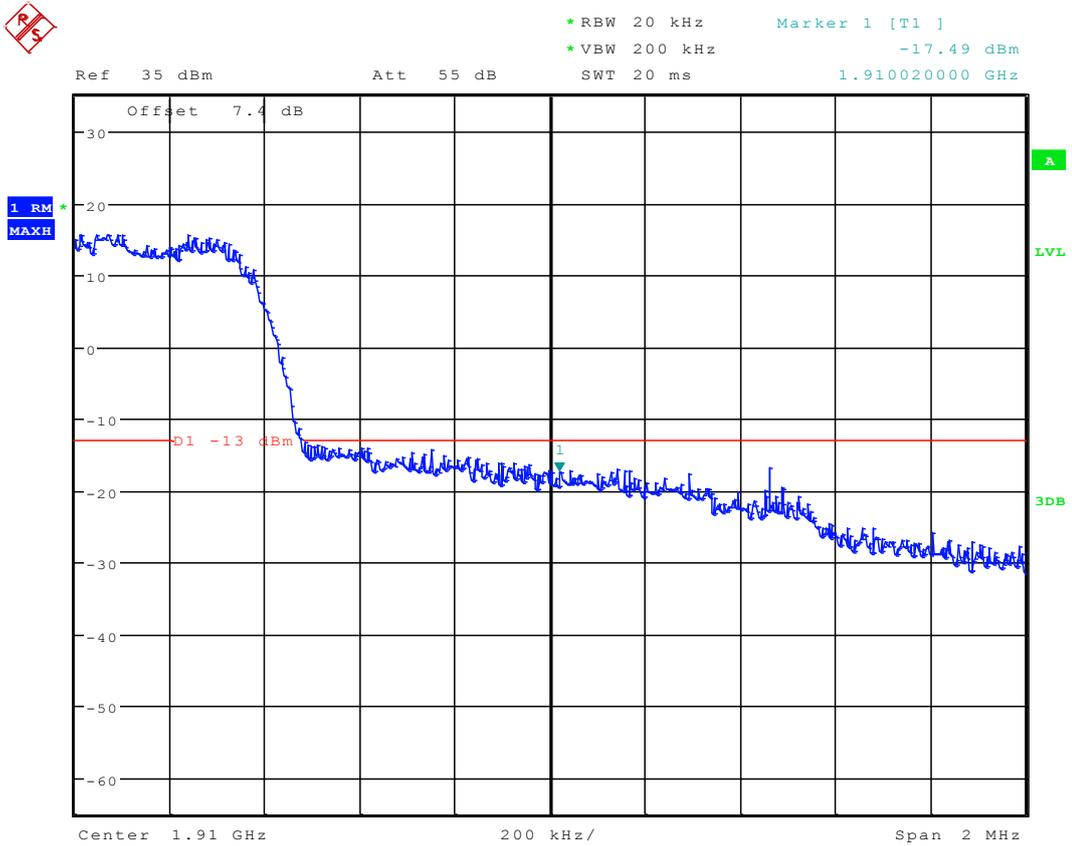
EVDO subtype 2

Modulation: BPSK
Left Edge (1850 MHz)
Channel 25





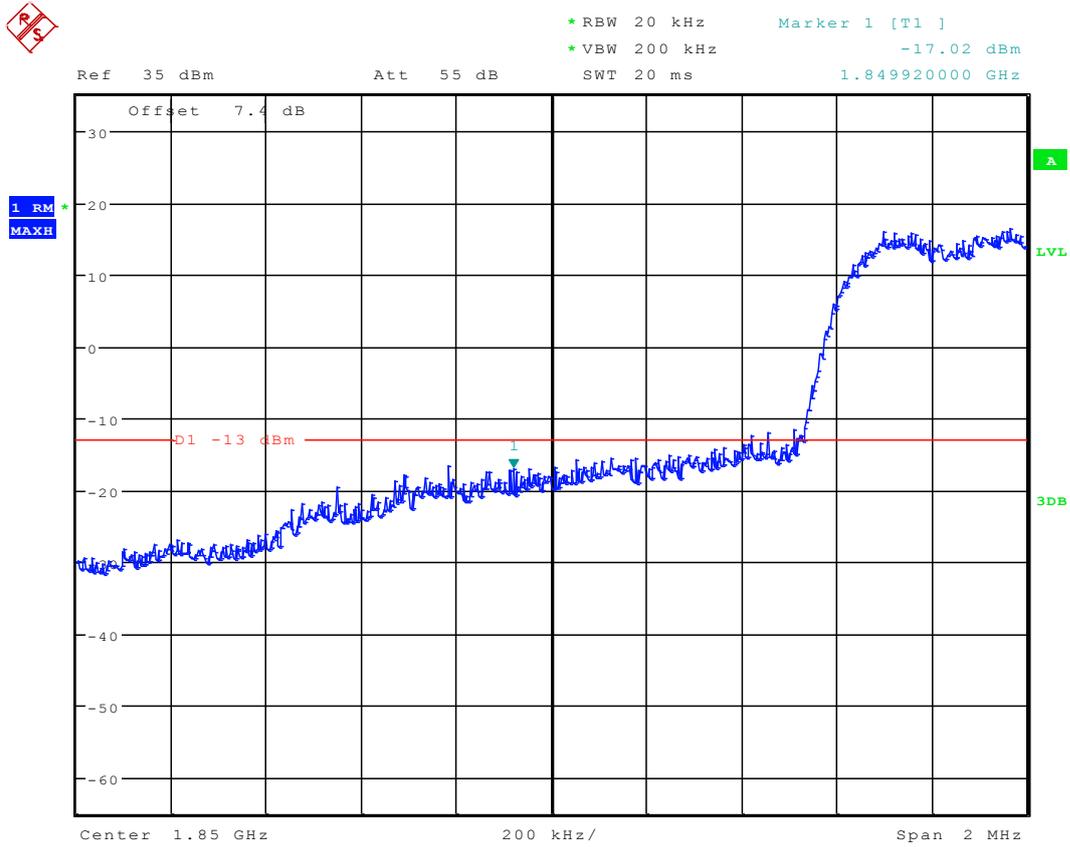
Right Edge (1910MHz) Channel 1175





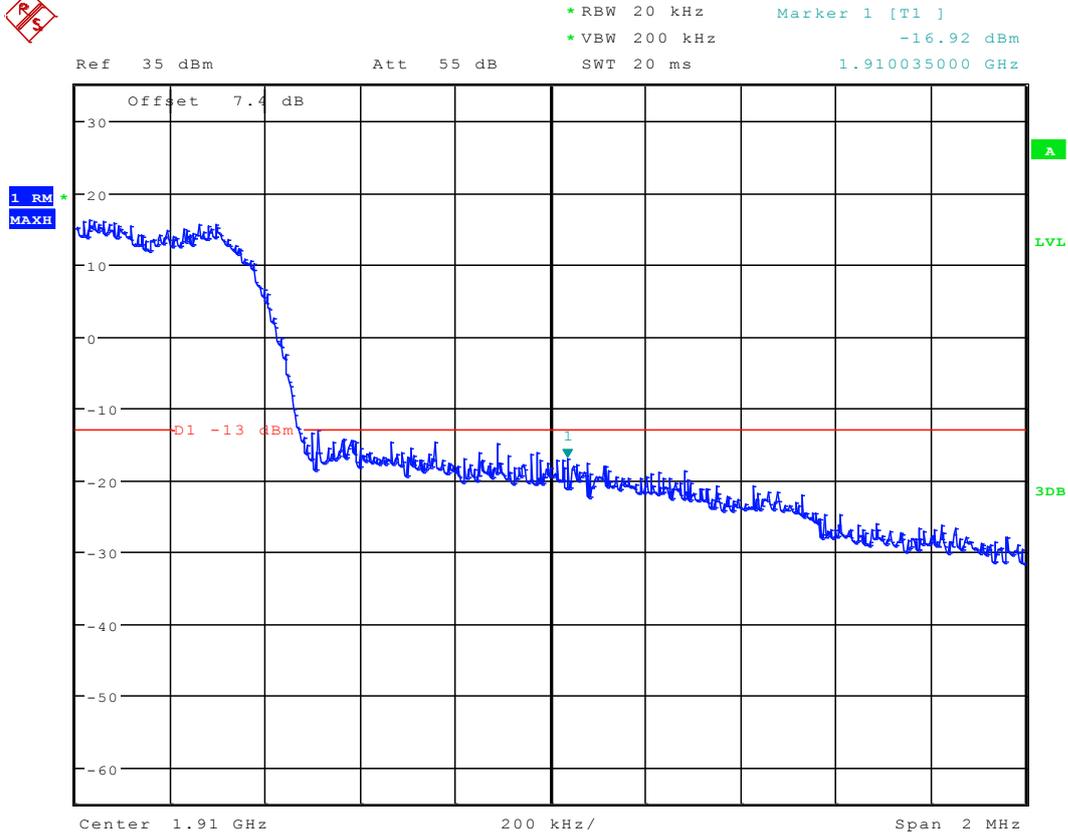
Modulation: QPSK

Left Edge (1850 MHz) Channel 25



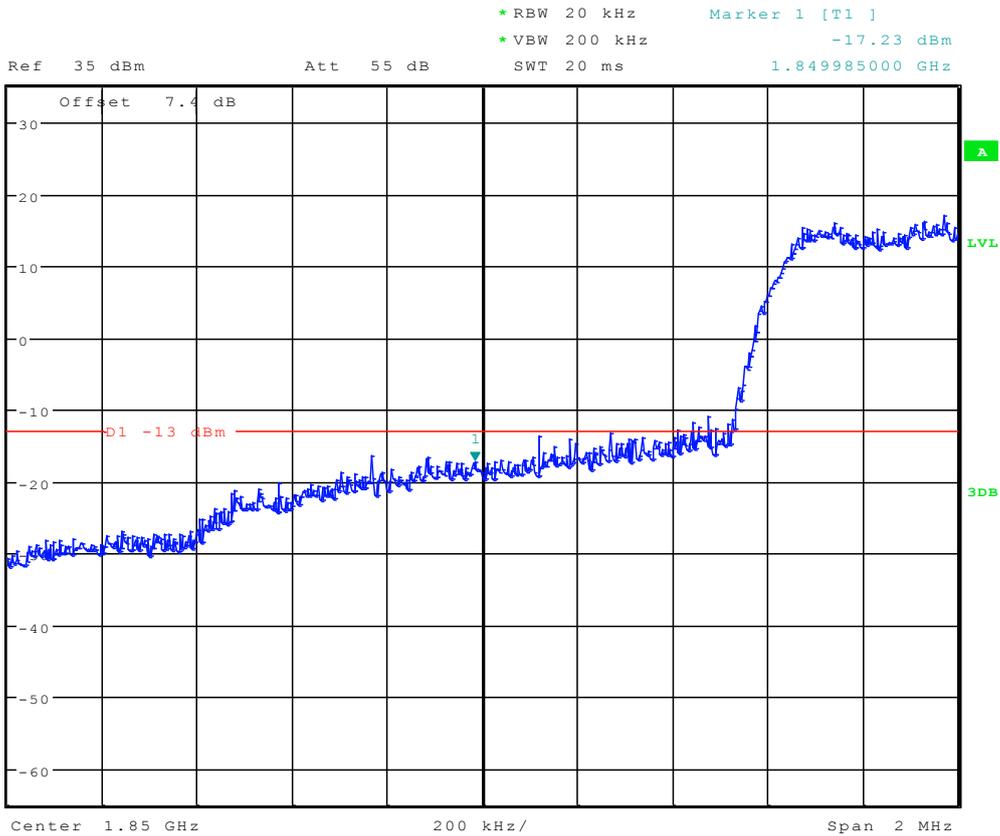


Right Edge (1910MHz) Channel 1175



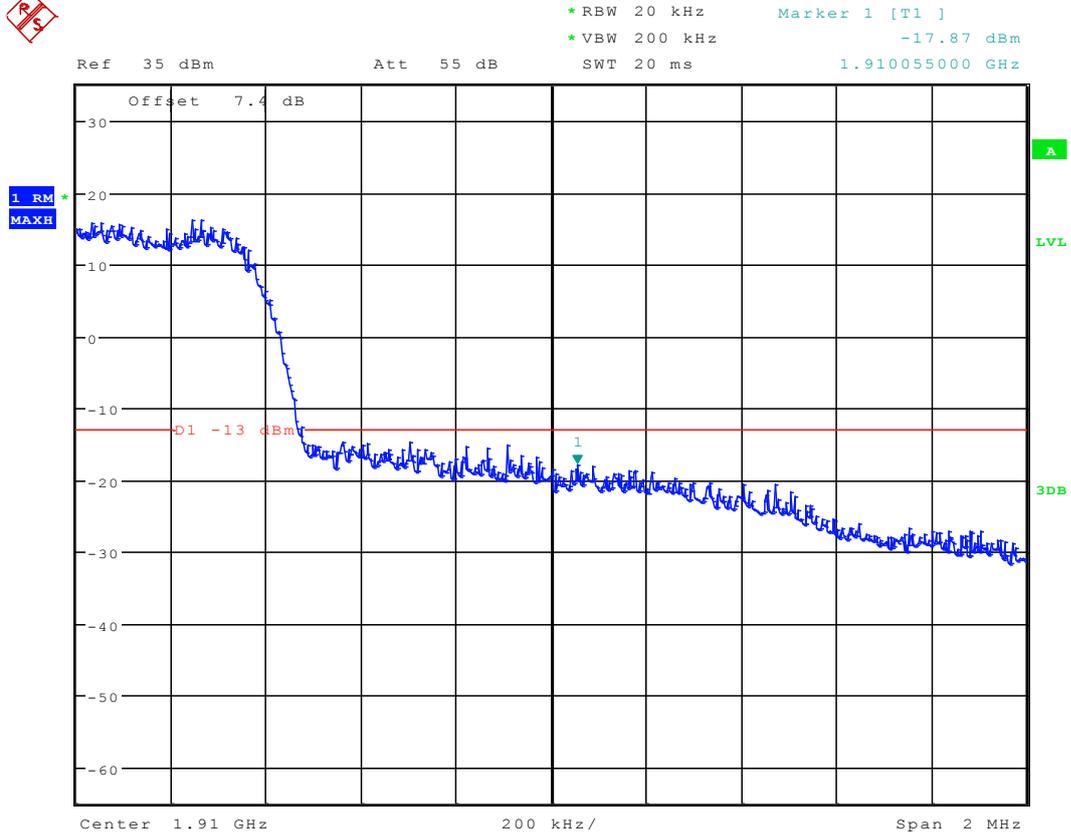


Modulation: 8PSK
Left Edge (1850 MHz)
Channel 25





Right Edge (1910MHz) Channel 1175





Appendix D

Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & 24.238



TM1

Channel 25



*RBW 1 kHz Marker 1 [T1]
*VBW 10 kHz -38.08 dBm
SWT 145 ms 13.971153846 kHz

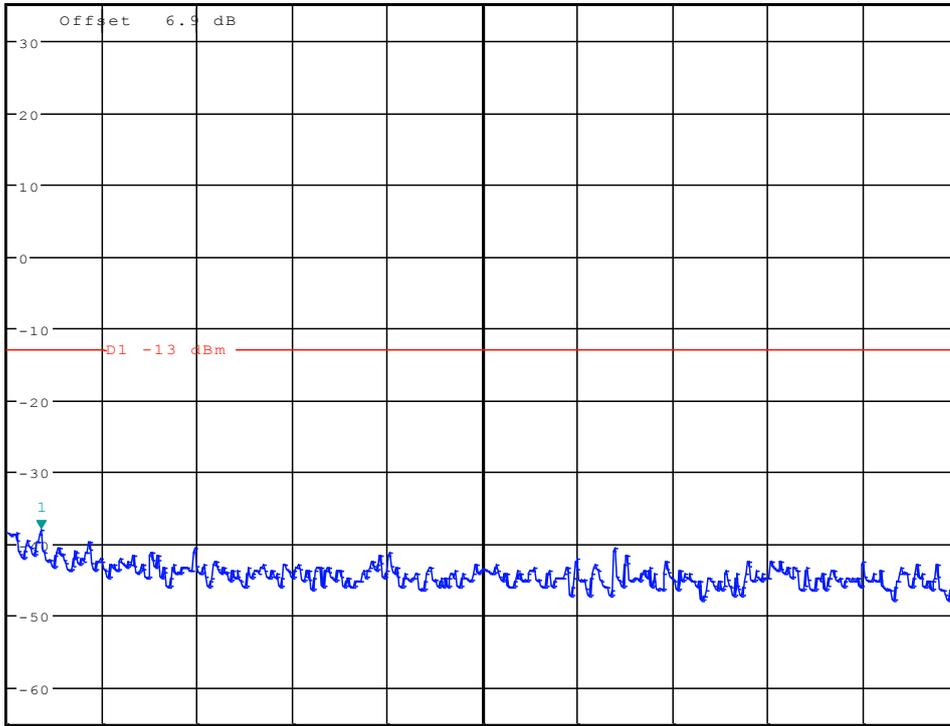
Ref 35 dBm

Att 55 dB

SWT 145 ms

13.971153846 kHz

1 PK
MAXH



Start 9 kHz

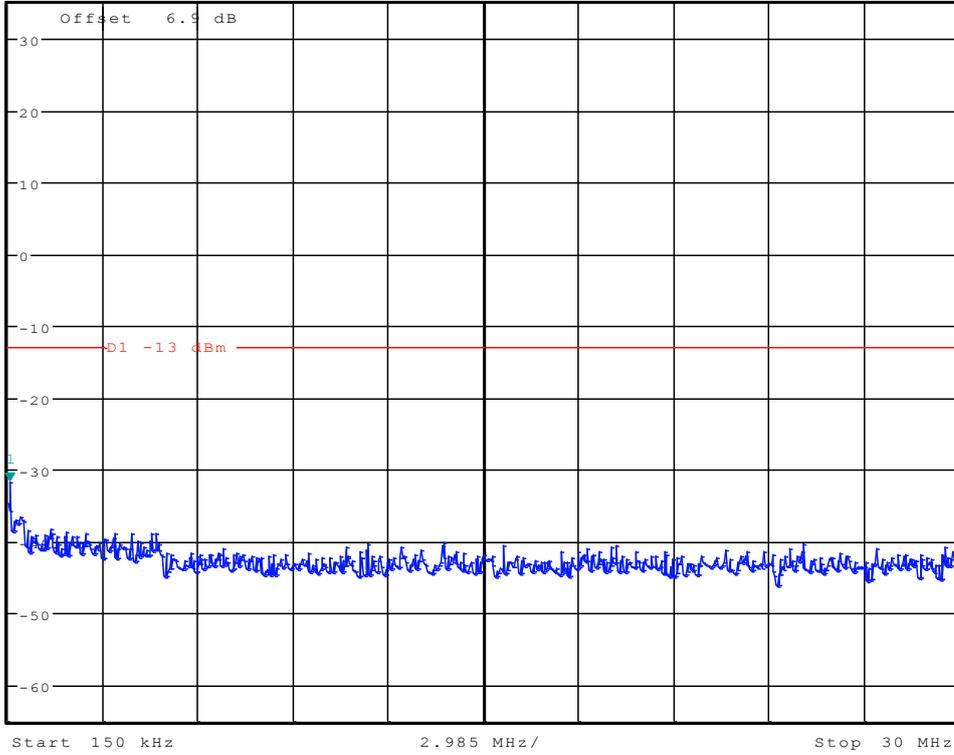
14.1 kHz/

Stop 150 kHz



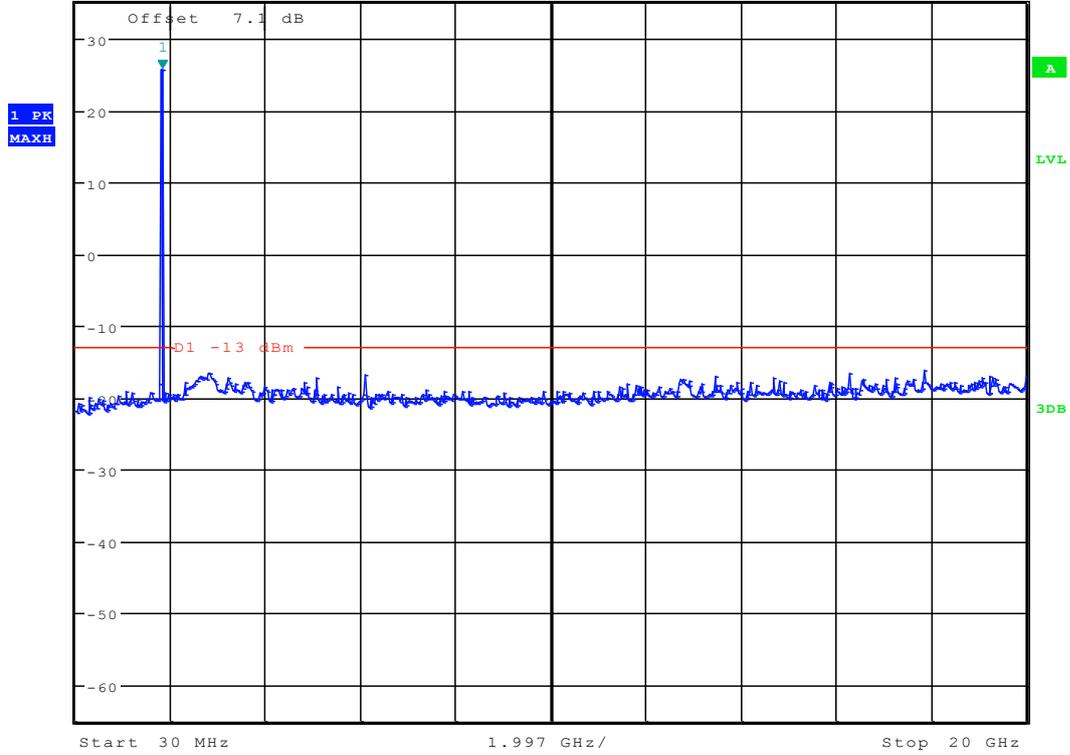
*RBW 10 kHz Marker 1 [T1]
*VBW 30 kHz -31.75 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 197.836538462 kHz

1 PK
MAXH



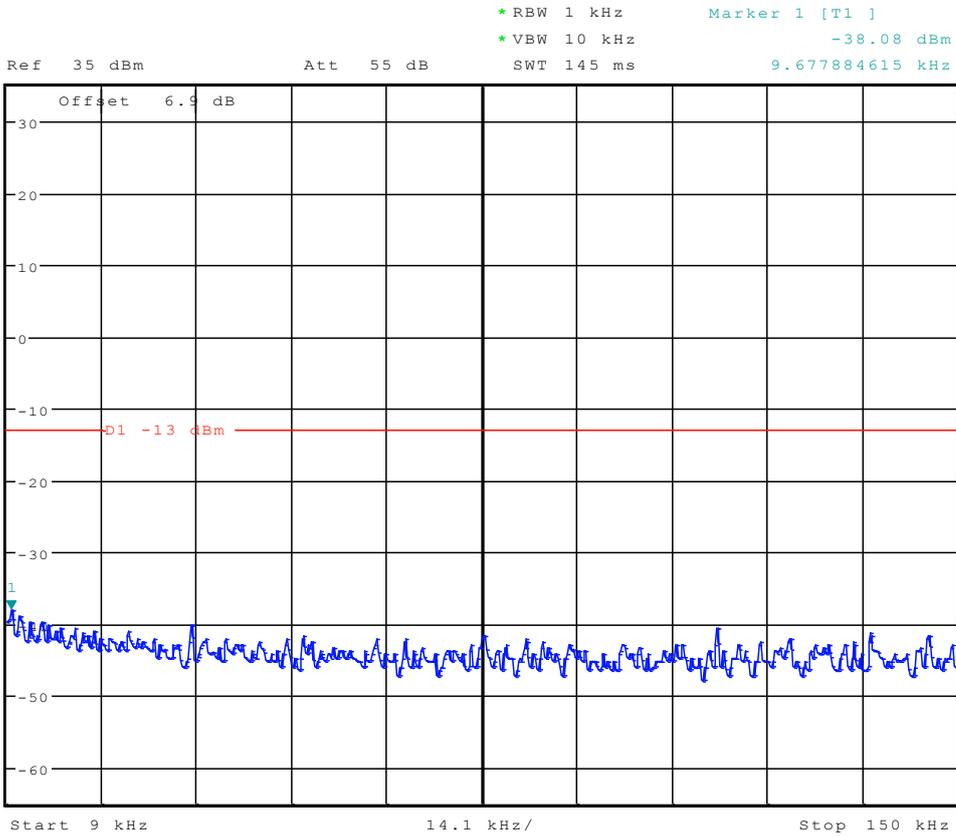


* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz 25.65 dBm
Ref 35 dBm Att 55 dB SWT 115 ms 1.854182692 GHz





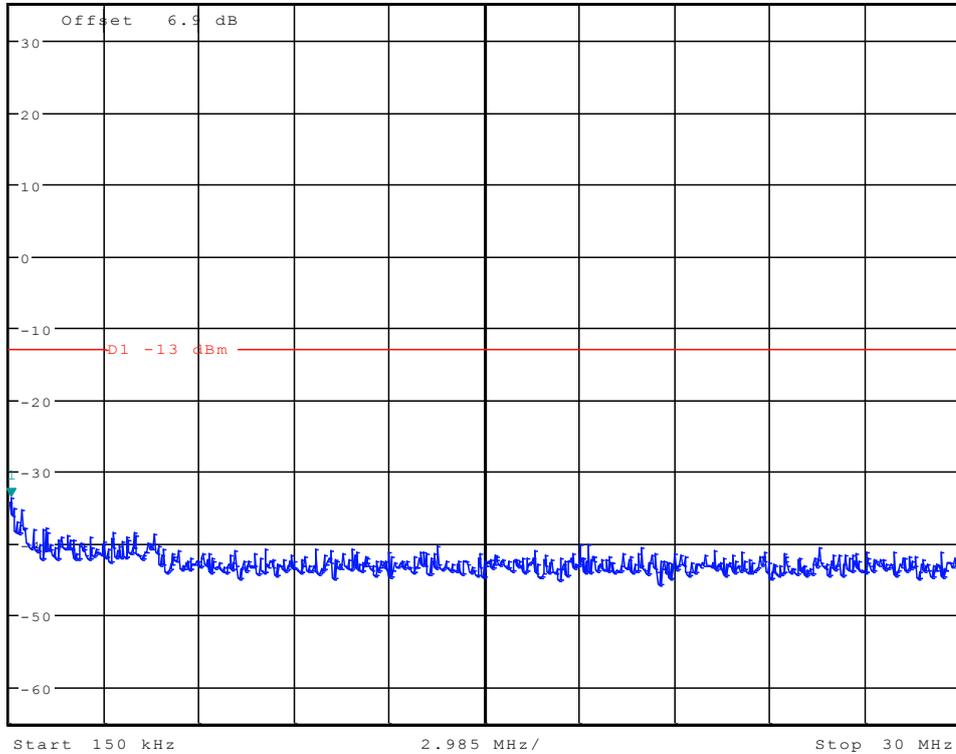
Channel 600

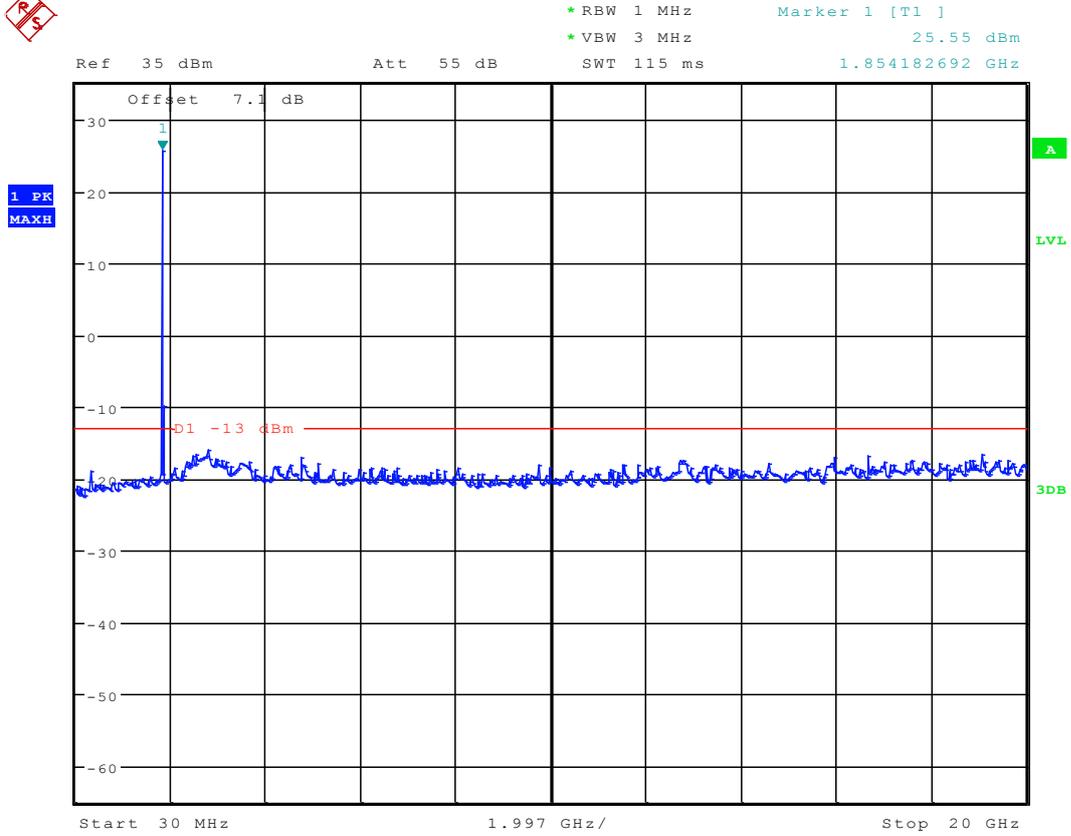




*RBW 10 kHz Marker 1 [T1]
*VBW 30 kHz -33.52 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 197.836538462 kHz

1 PK
MAXH



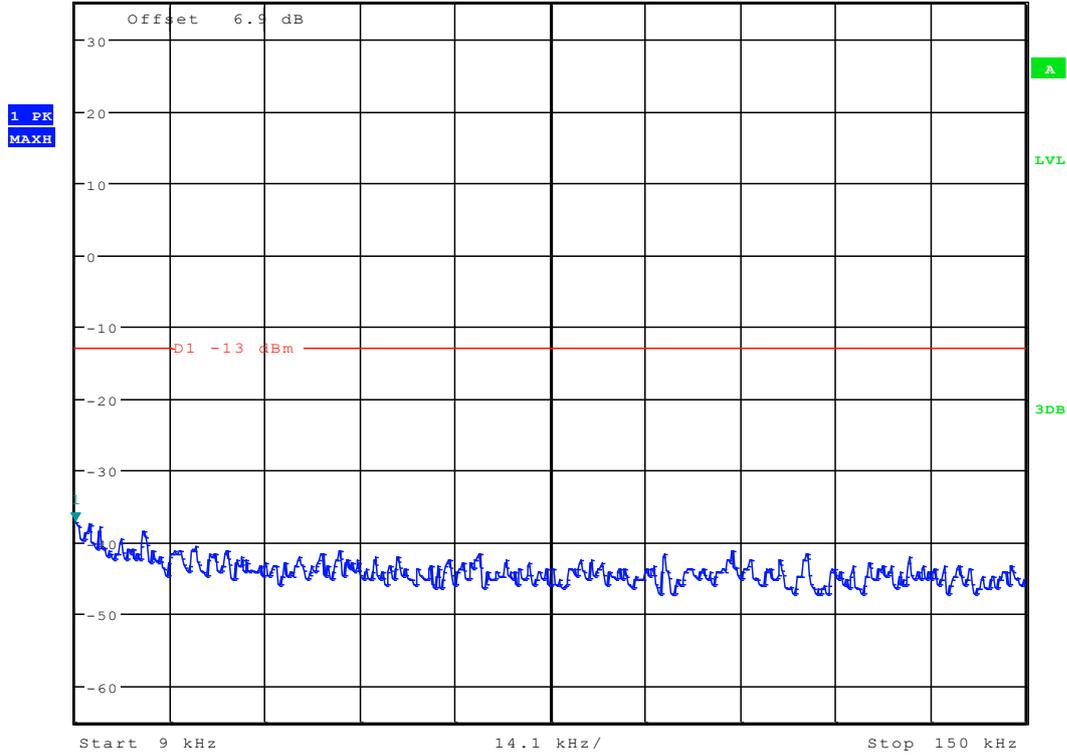




Channel 1175

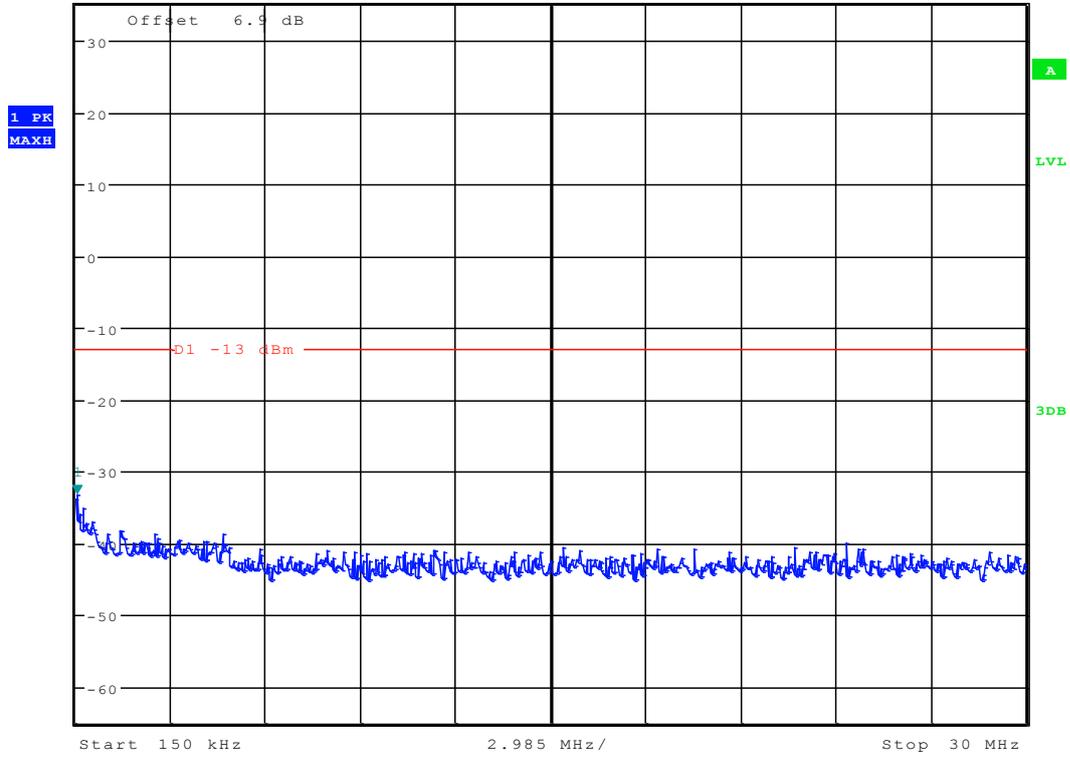


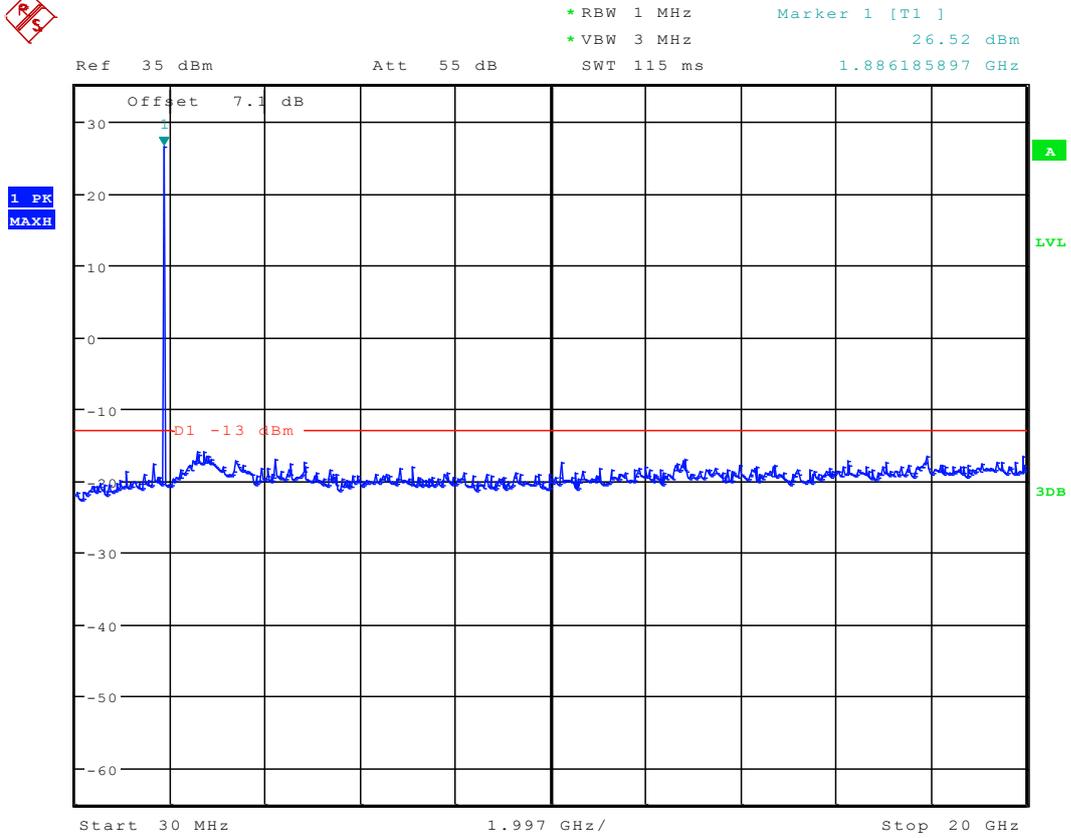
Ref 35 dBm Att 55 dB *RBW 1 kHz Marker 1 [T1] -37.19 dBm
*VBW 10 kHz SWT 145 ms 9.000000000 kHz





Ref 35 dBm Att 55 dB SWT 300 ms
*RBW 10 kHz *VBW 30 kHz
Marker 1 [T1] -33.16 dBm
197.836538462 kHz





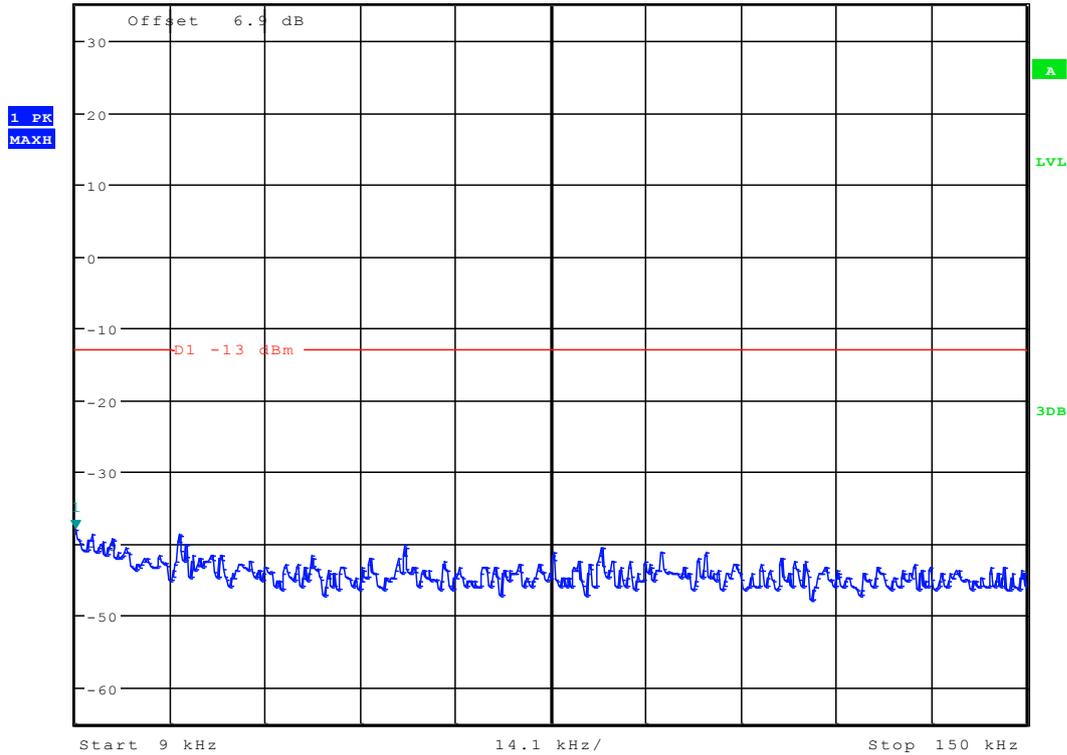


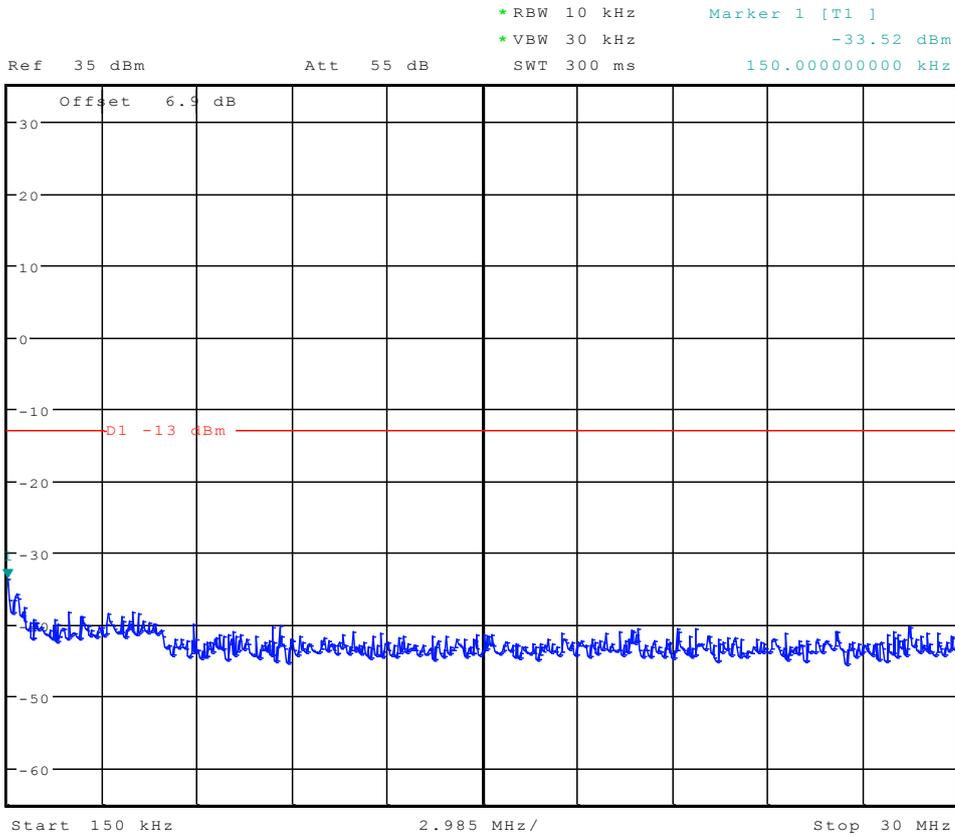
TM3

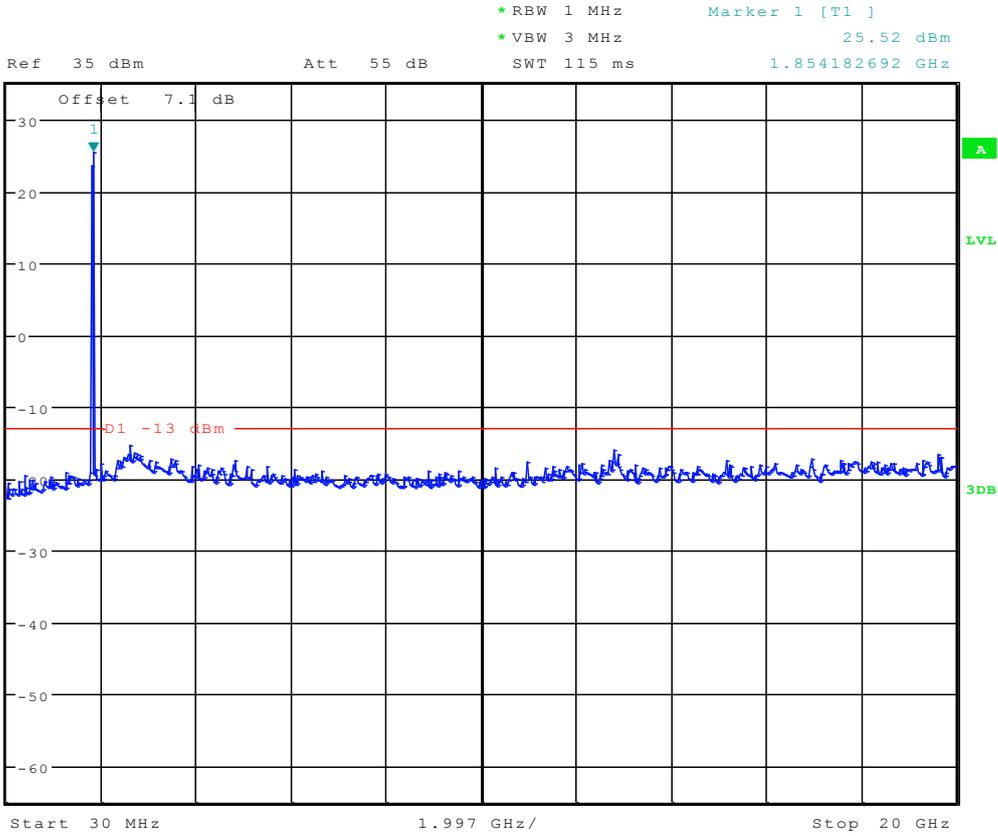
Channel 25



Ref 35 dBm Att 55 dB SWT 145 ms
*RBW 1 kHz *VBW 10 kHz
Marker 1 [T1] -38.08 dBm
9.000000000 kHz



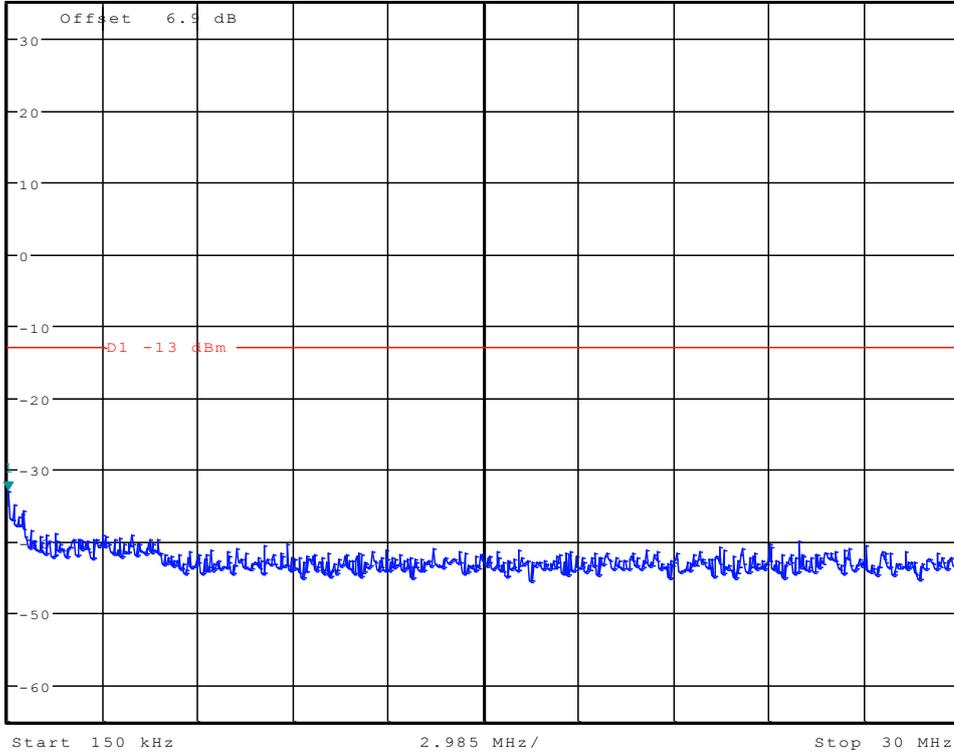


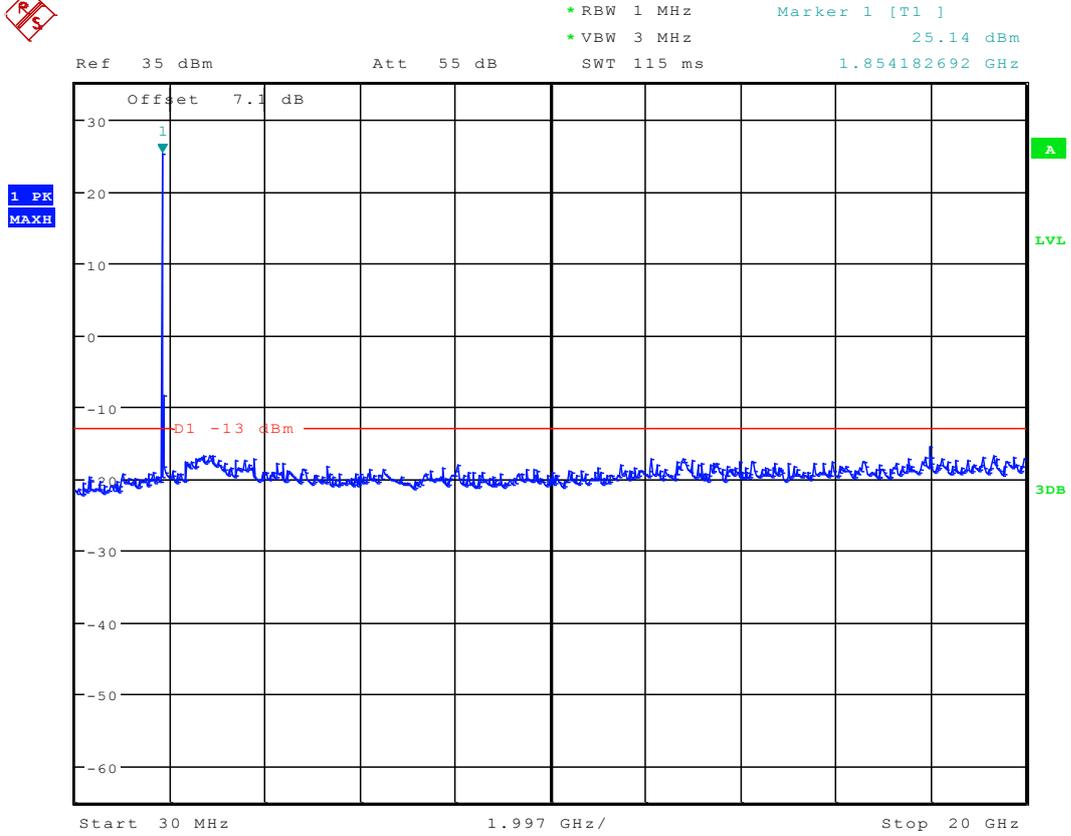




*RBW 10 kHz Marker 1 [T1]
*VBW 30 kHz -32.87 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 150.00000000 kHz

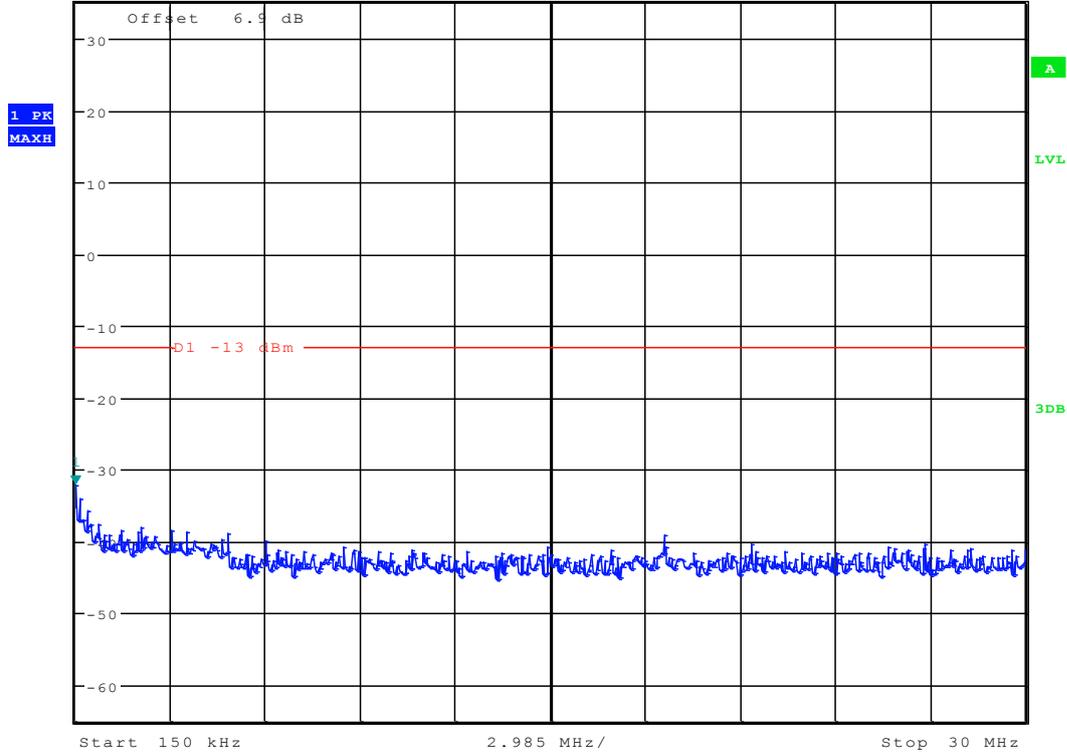
1 PK
MAXH

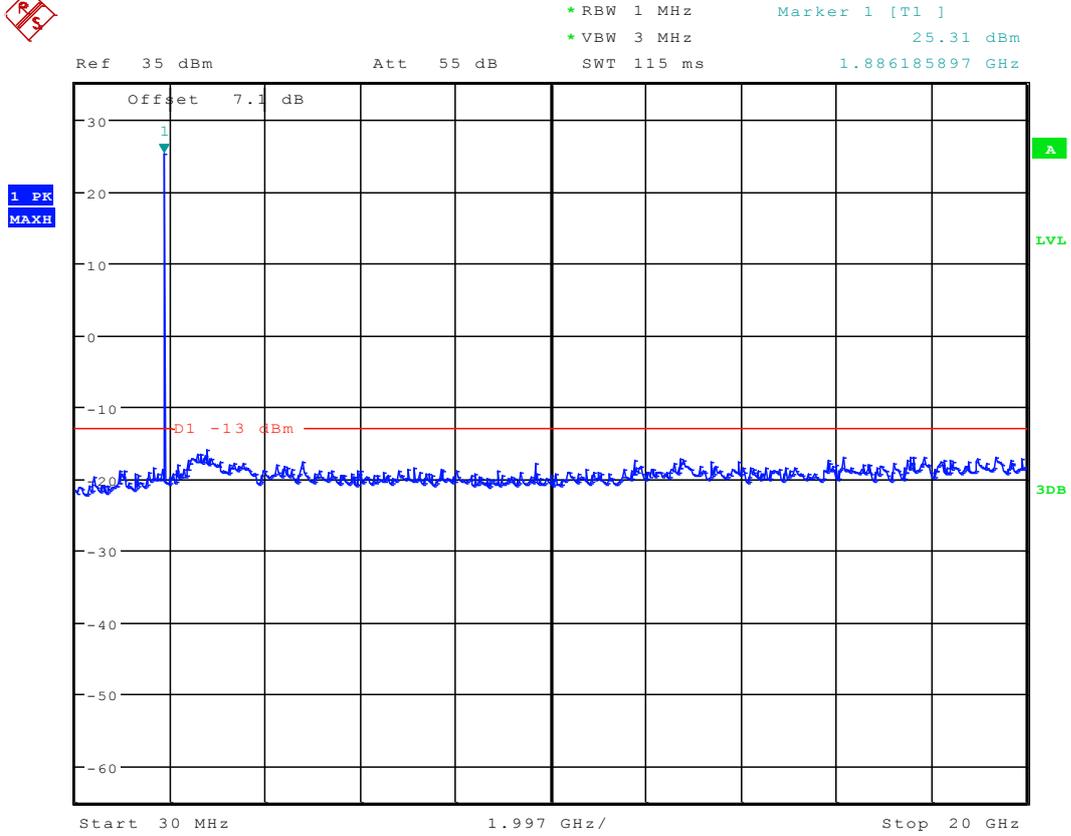






Ref 35 dBm Att 55 dB SWT 300 ms 150.000000000 kHz
*RBW 10 kHz Marker 1 [T1]
*VBW 30 kHz -32.11 dBm

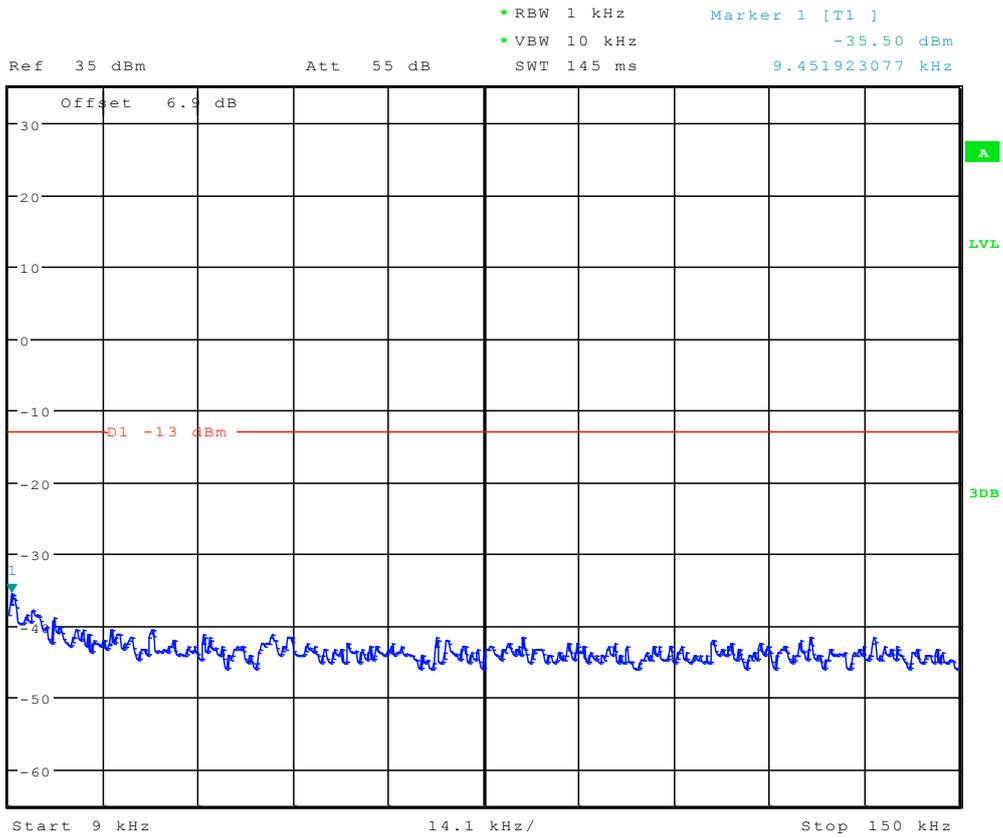






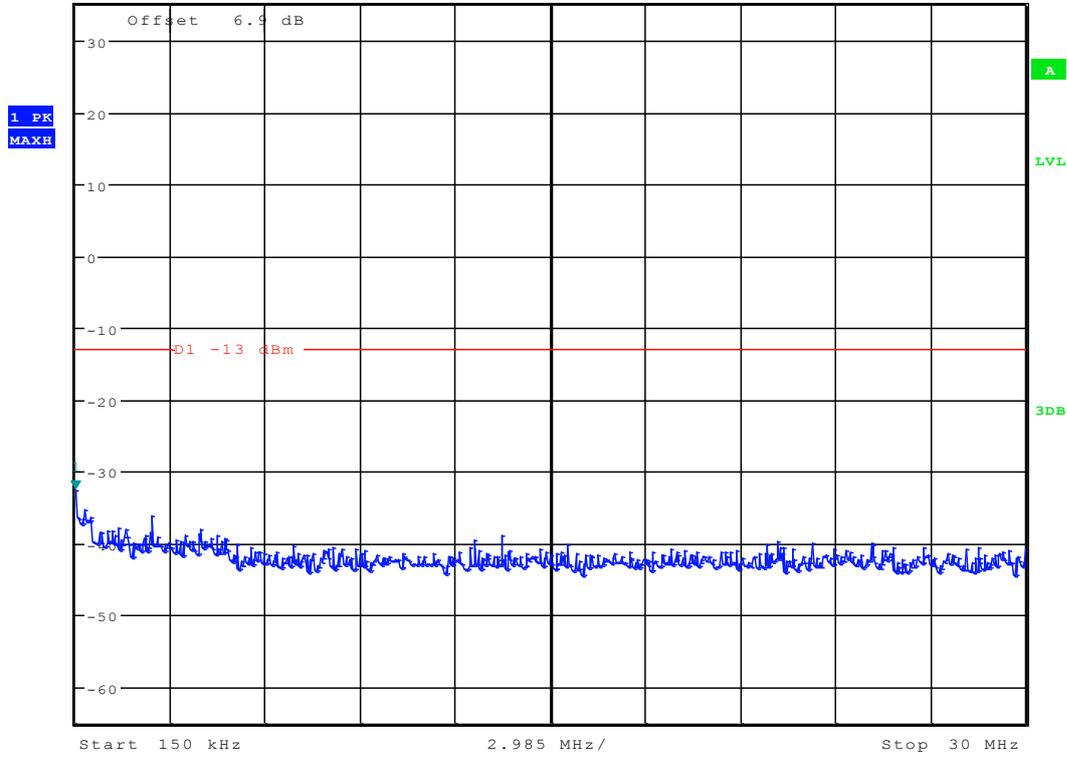
EVDO subtype 0

Channel 25



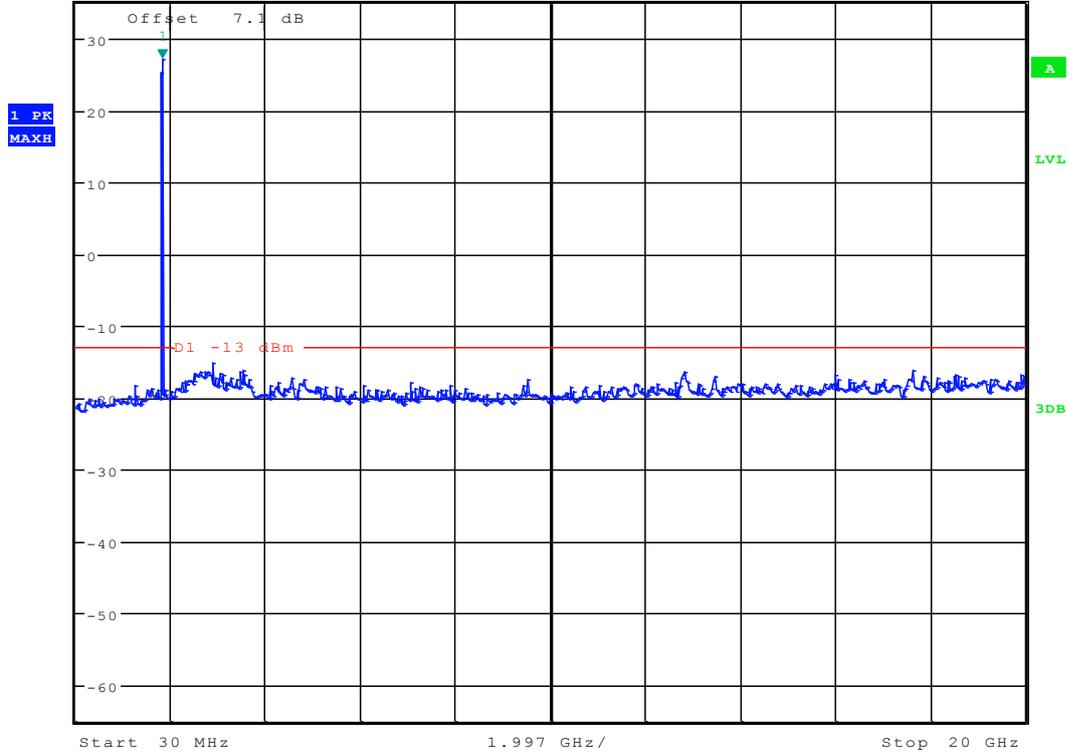


* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -32.59 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 150.00000000 kHz



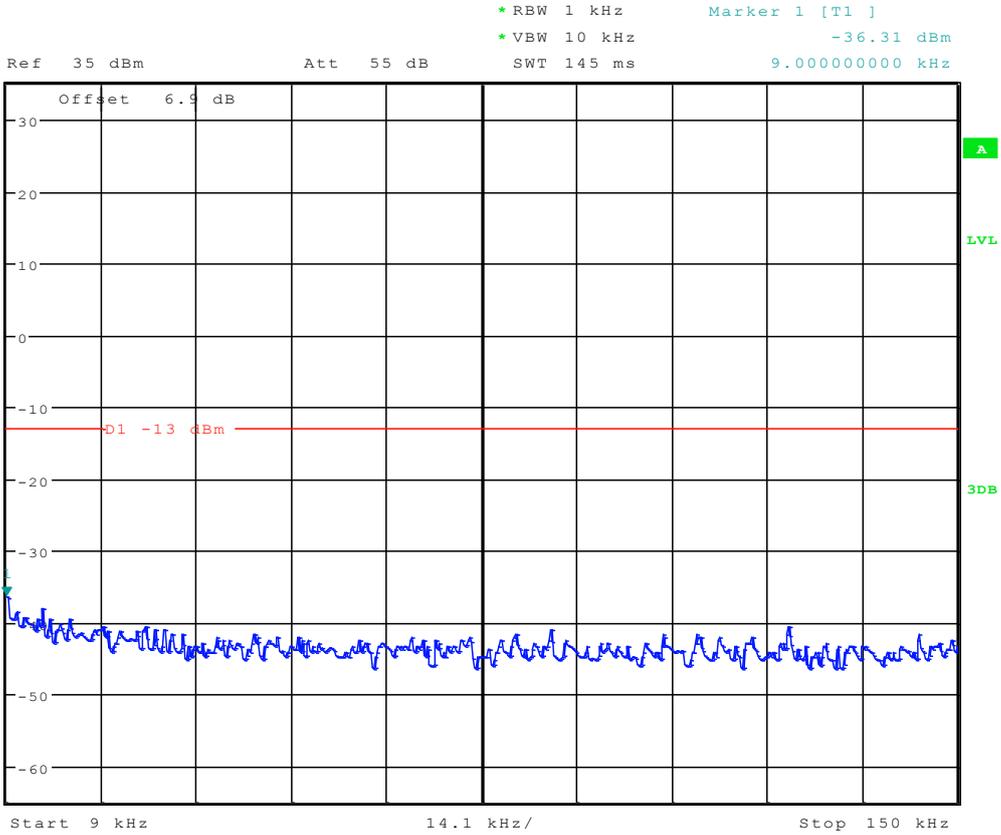


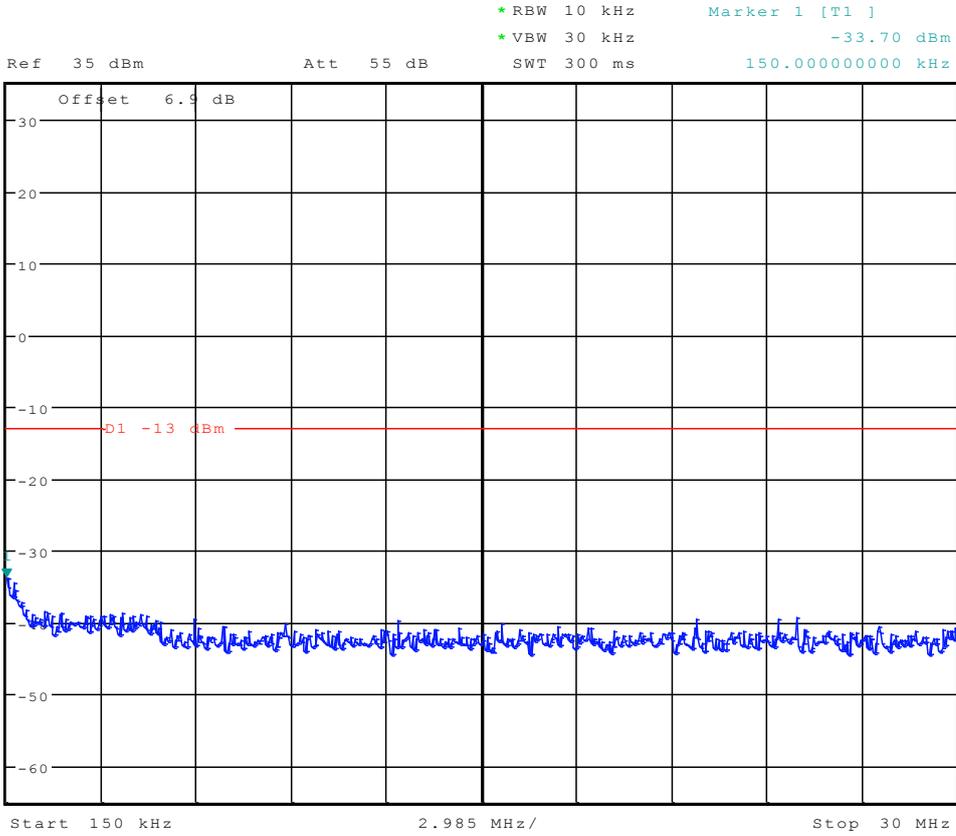
Ref 35 dBm Att 55 dB SWT 115 ms
*RBW 1 MHz Marker 1 [T1]
*VBW 3 MHz 27.09 dBm
1.854182692 GHz

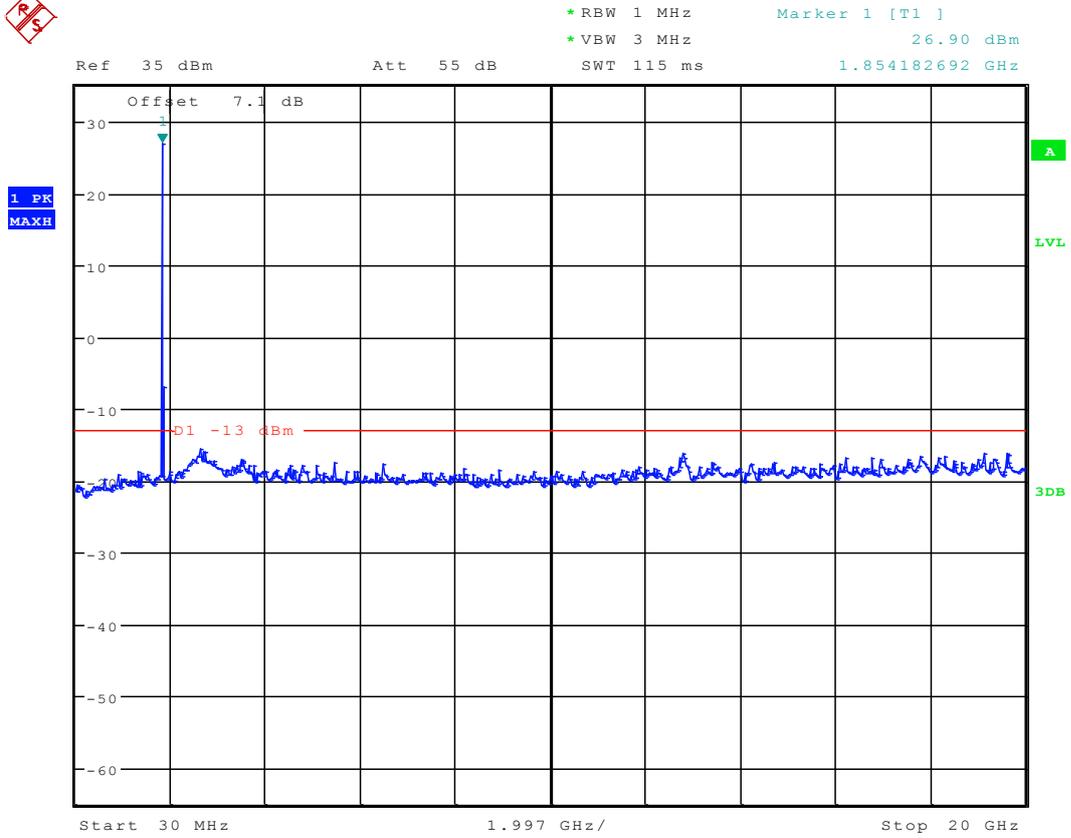




Channel 600

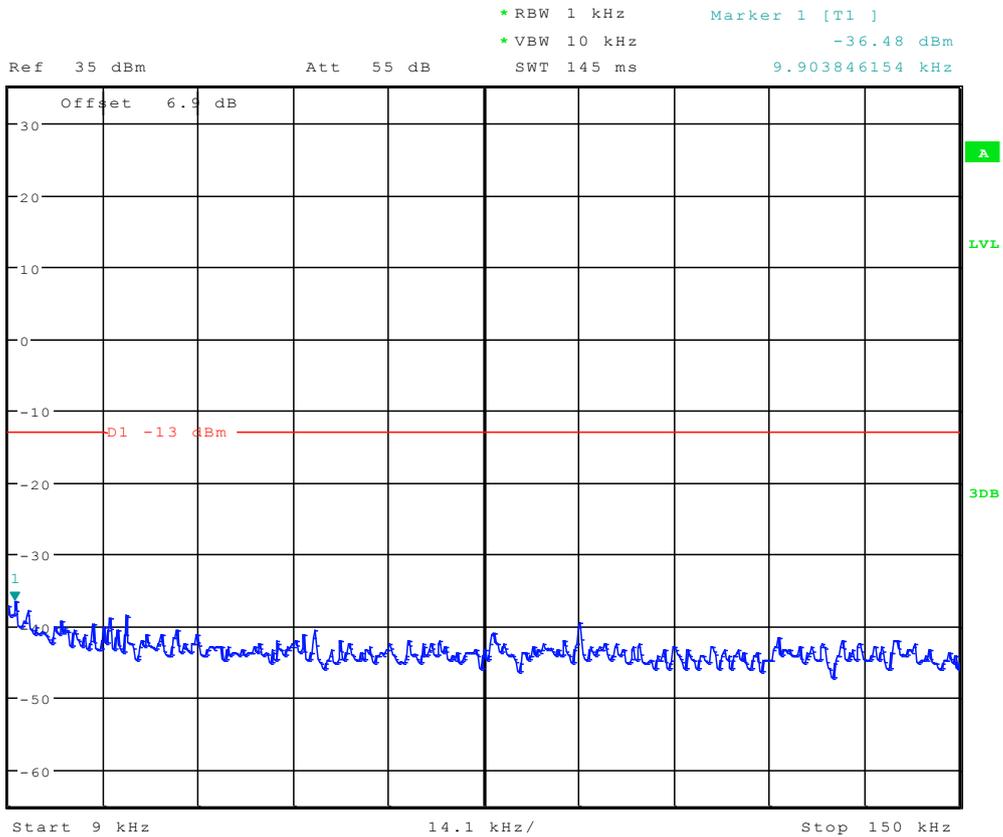








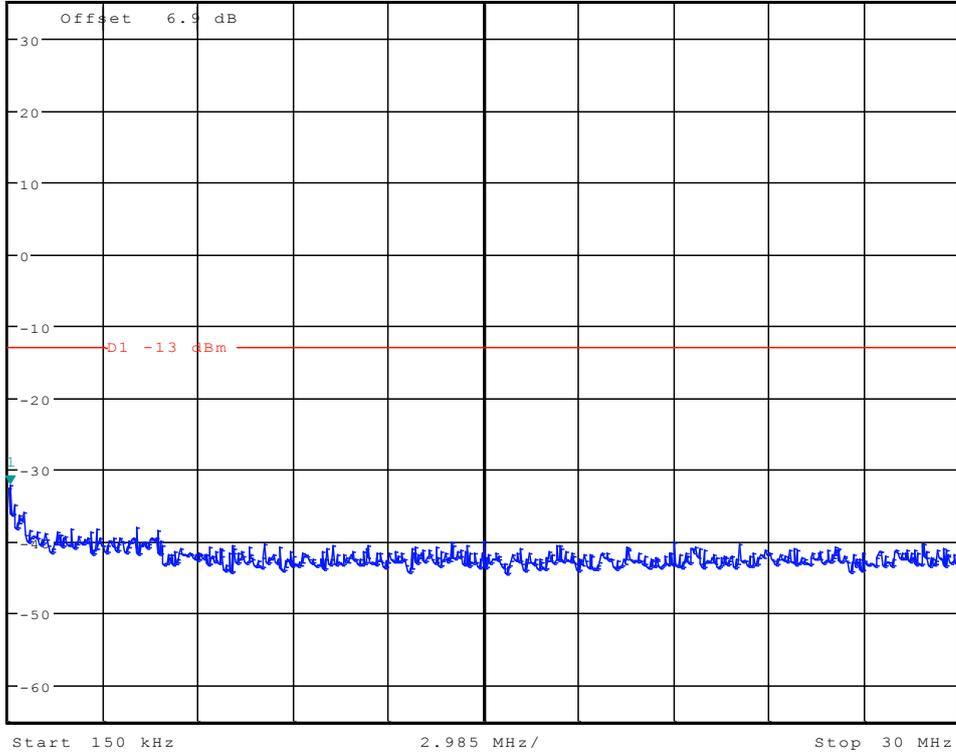
Channel 1175

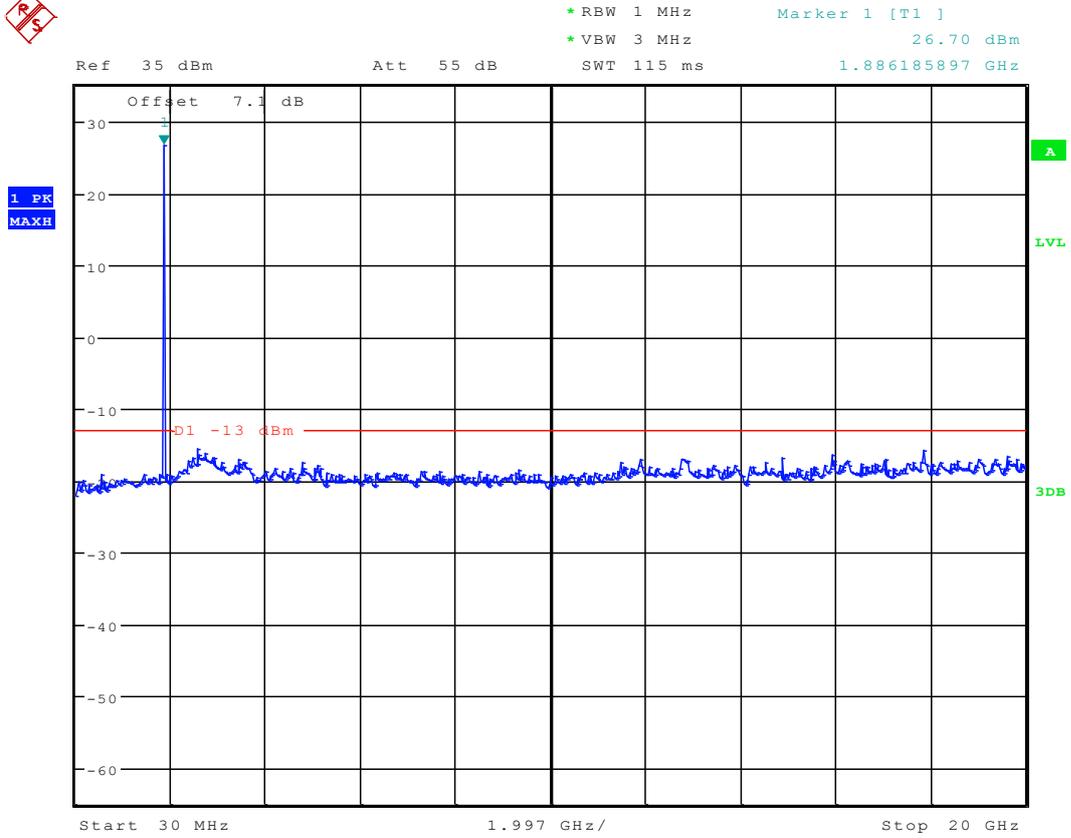




* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -32.16 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 197.836538462 kHz

1 PR
MAXH

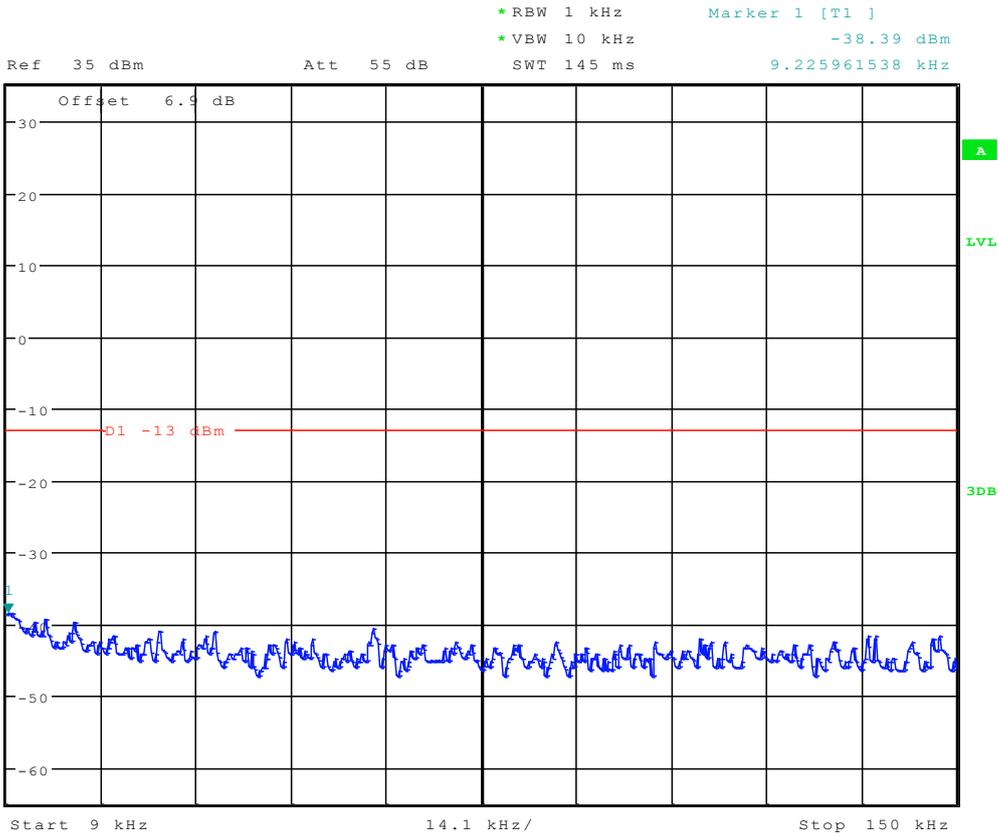






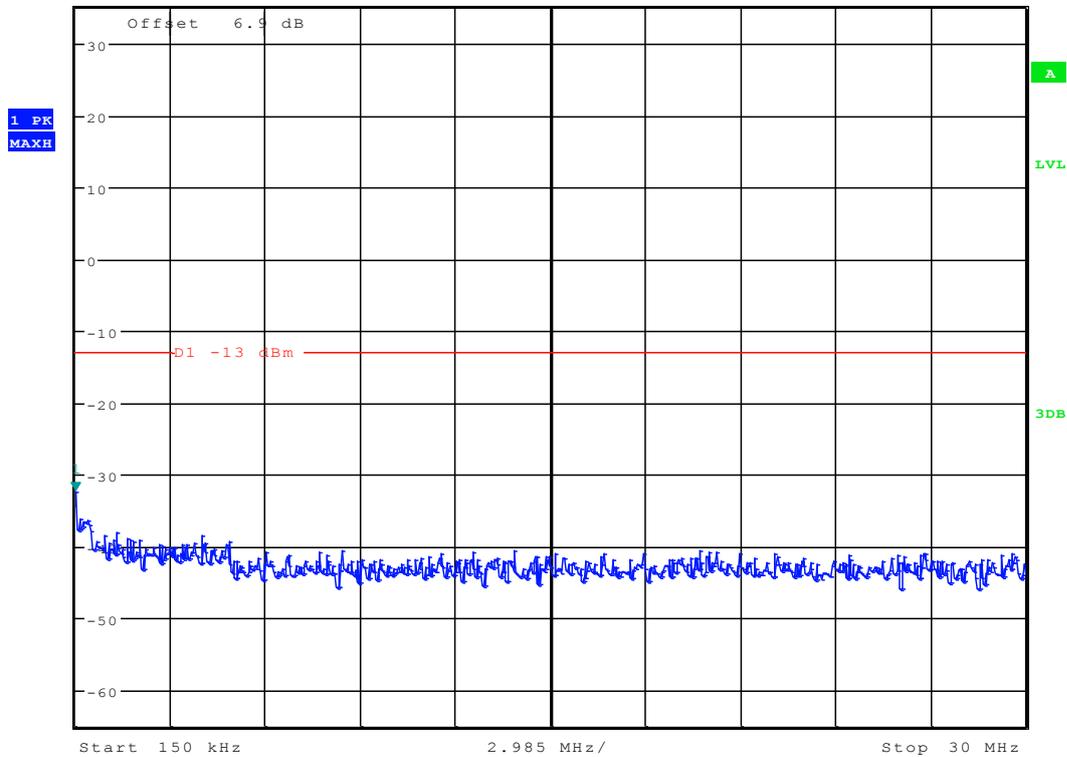
EVDO subtype 2

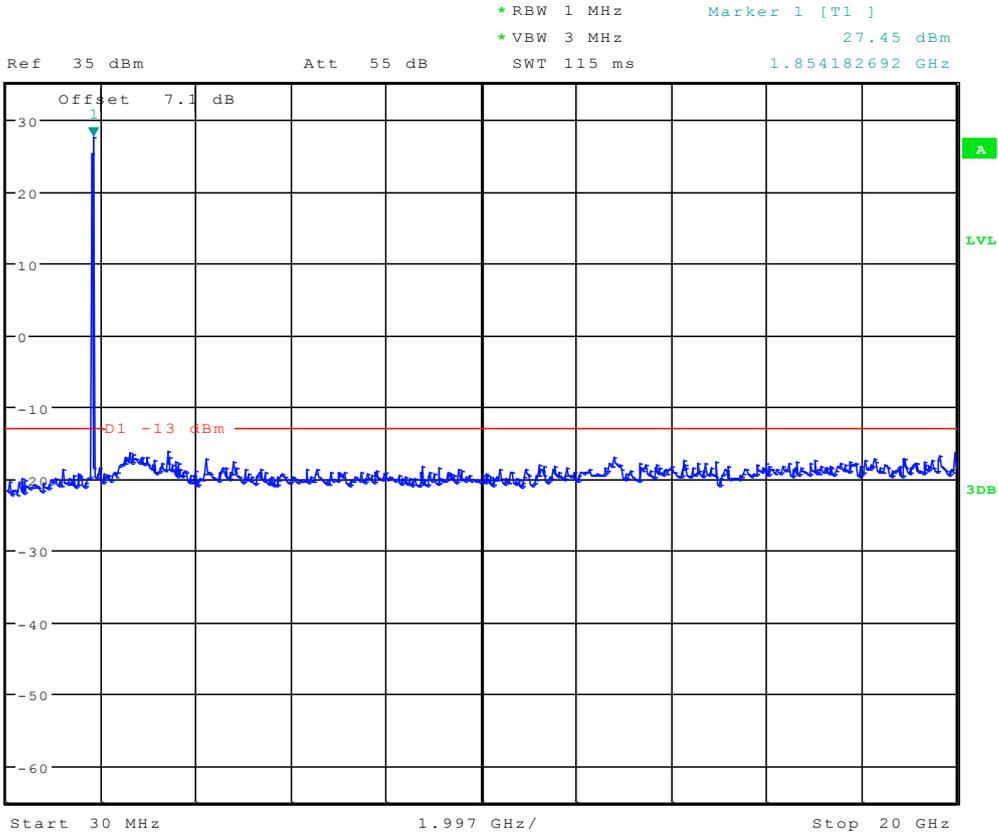
Modulation: BPSK
Channel 25





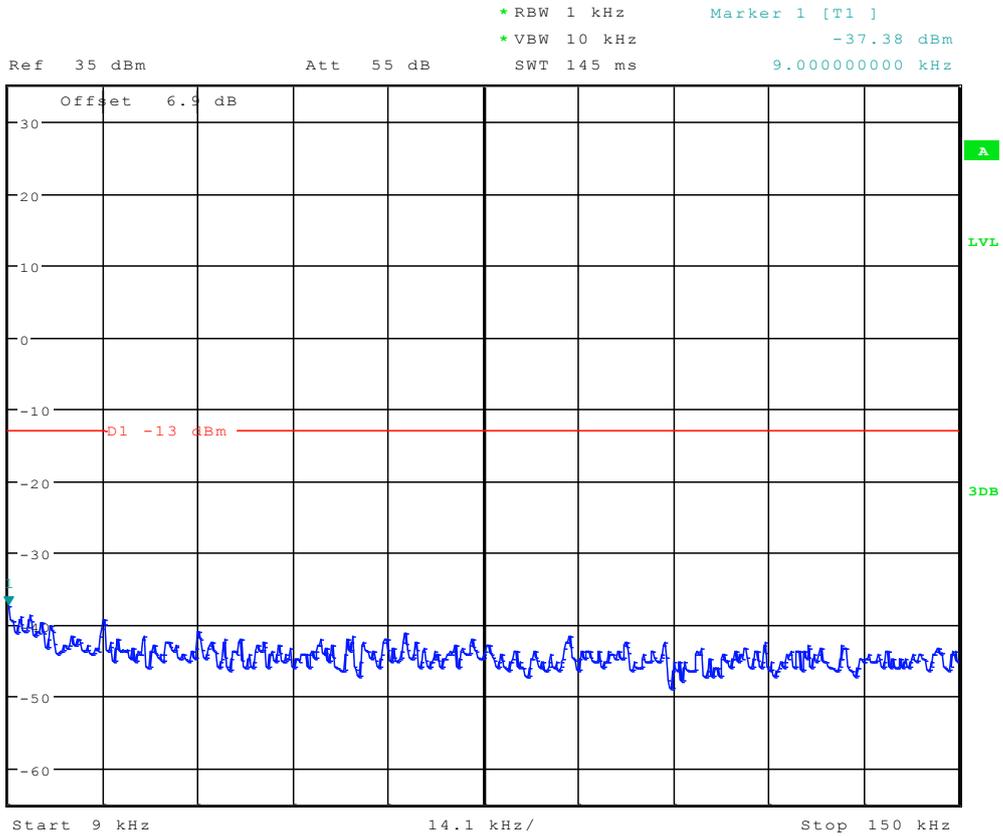
* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -32.32 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 150.000000000 kHz

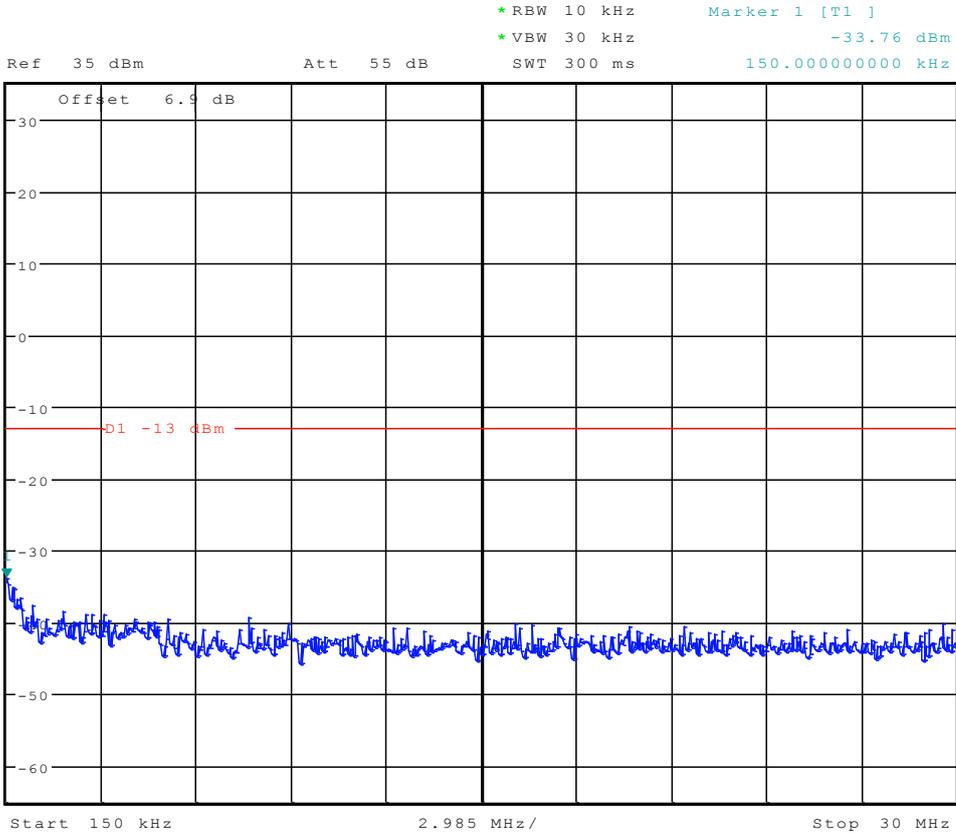


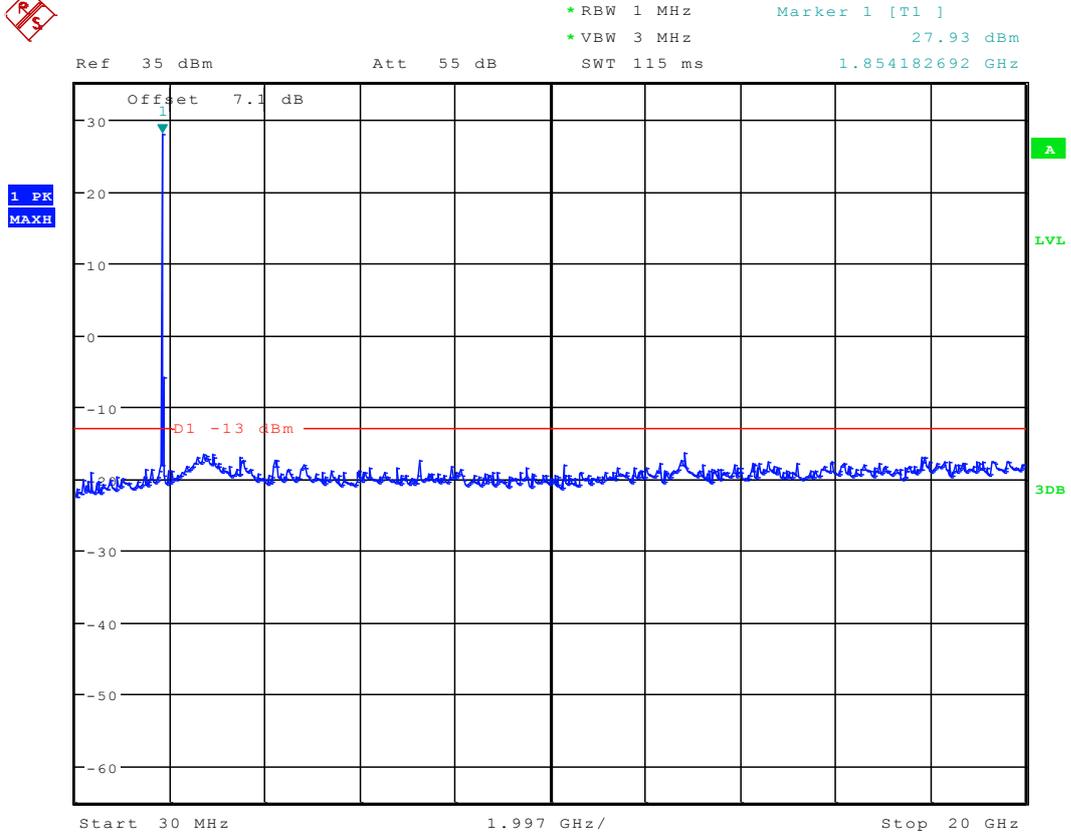




Channel 600





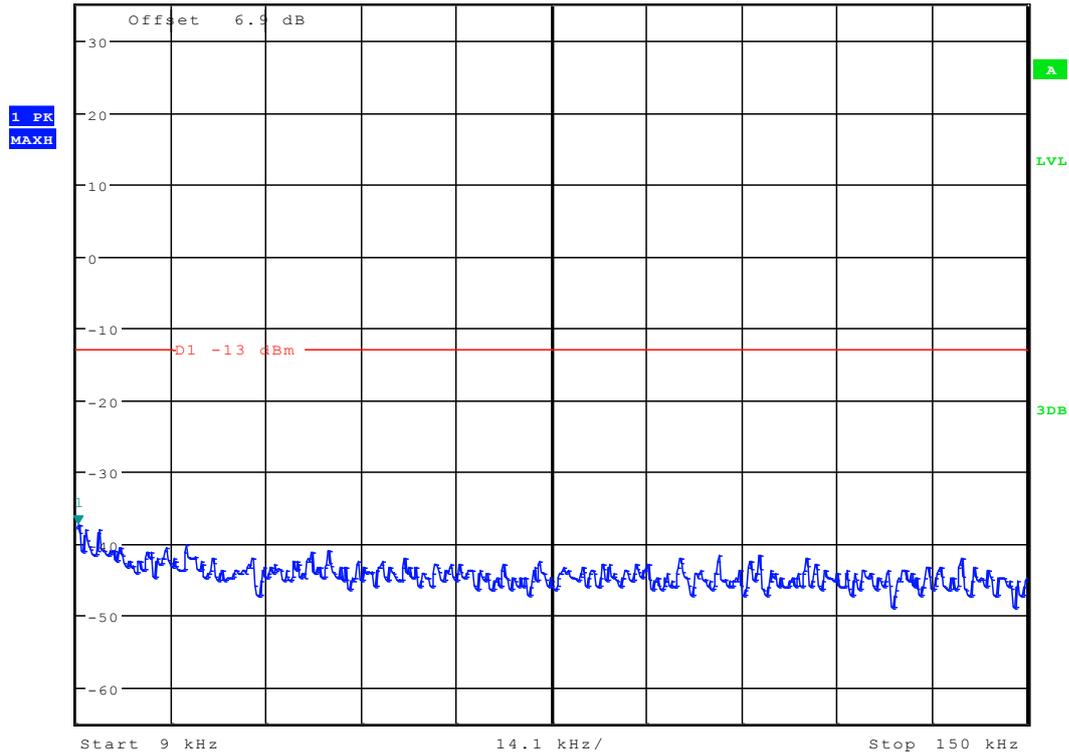




Channel 1175

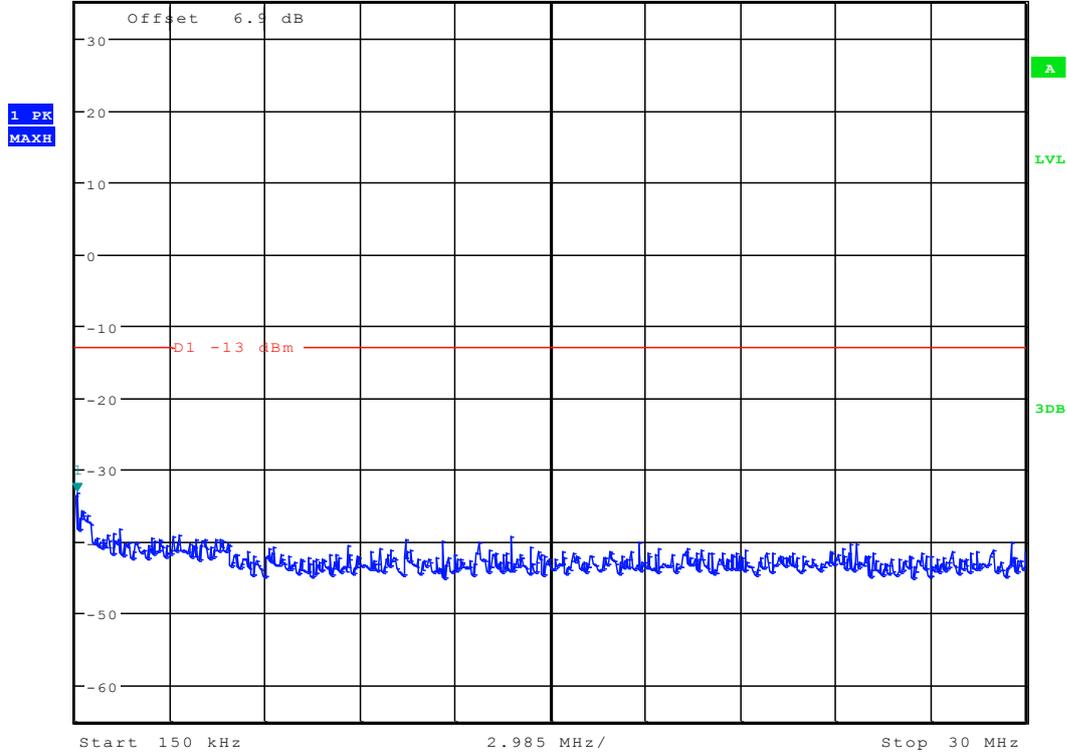


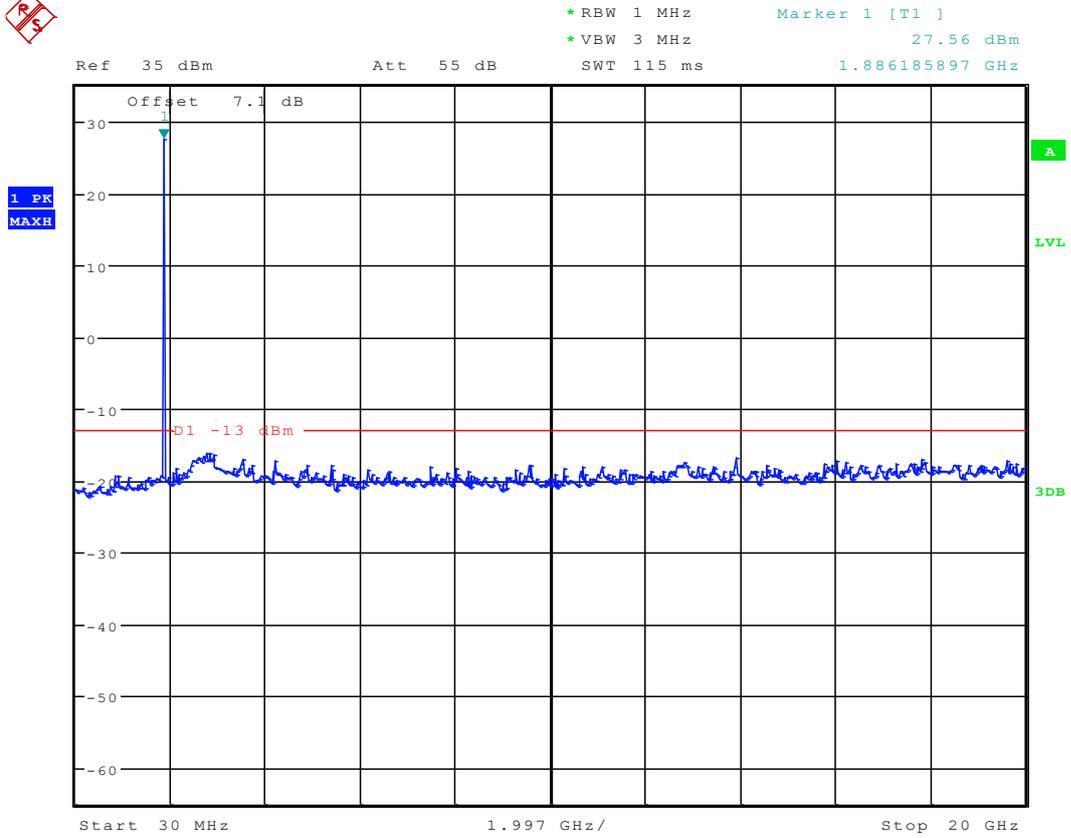
Ref 35 dBm Att 55 dB SWT 145 ms
*RBW 1 kHz *VBW 10 kHz
Marker 1 [T1] -37.38 dBm
9.225961538 kHz

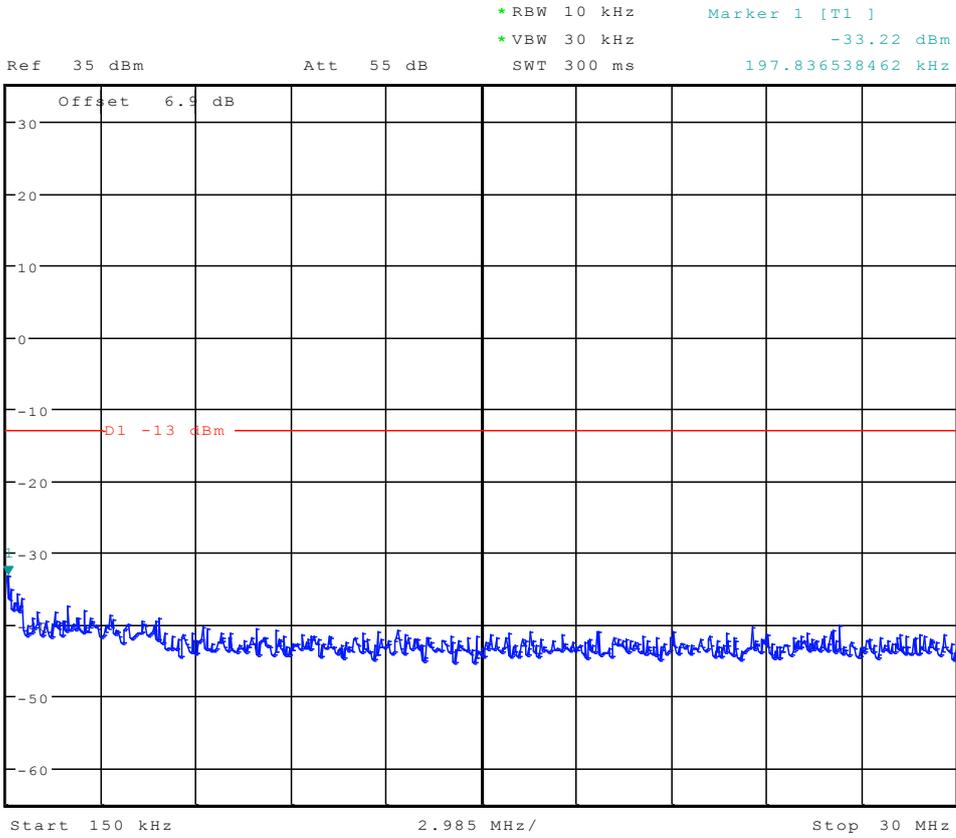


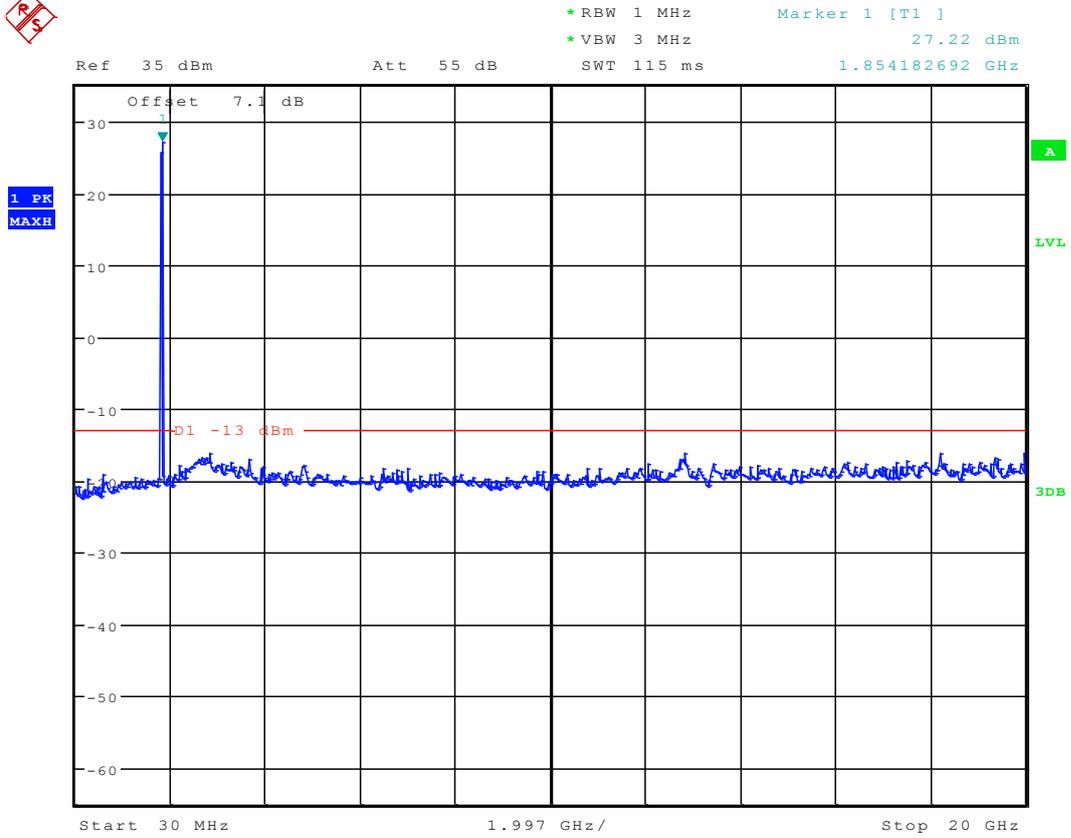


* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -33.22 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 197.836538462 kHz



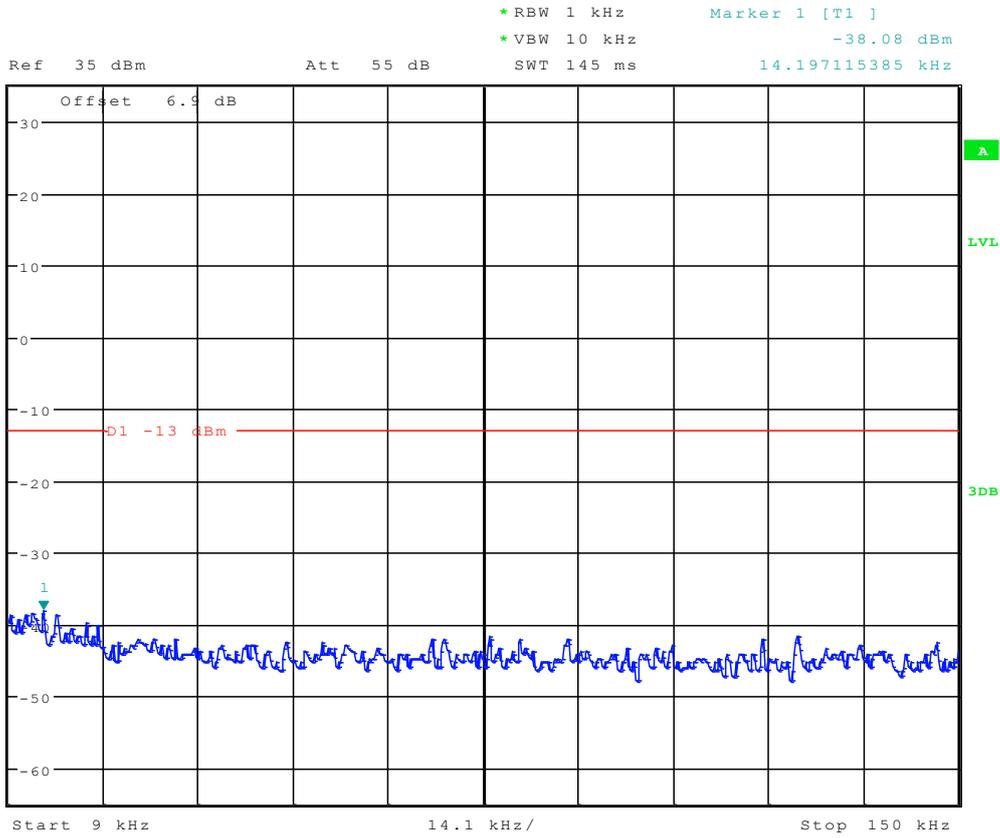






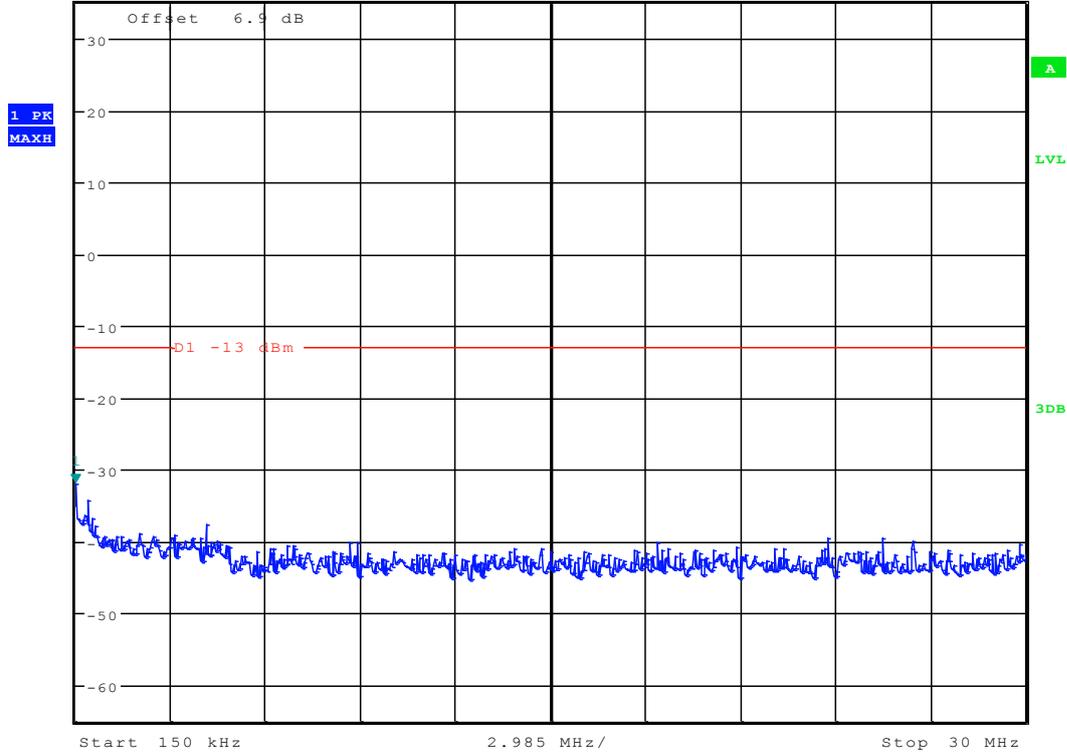


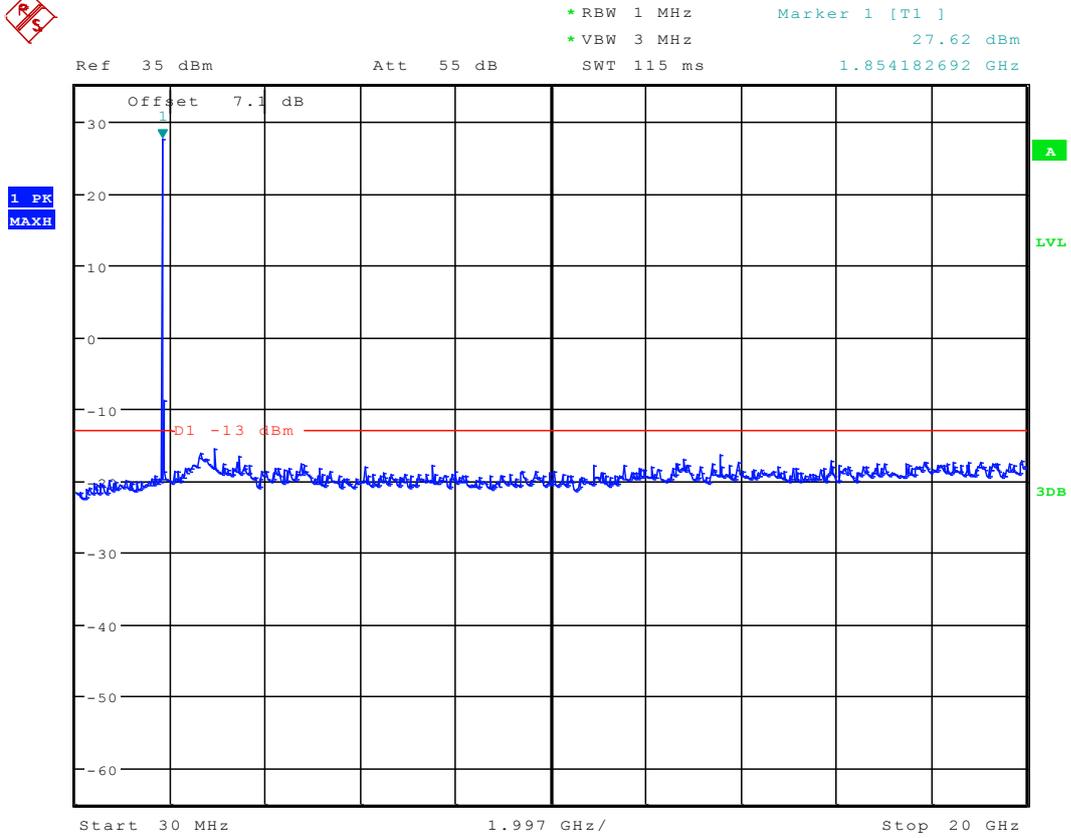
Channel 600





* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -31.90 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 150.00000000 kHz



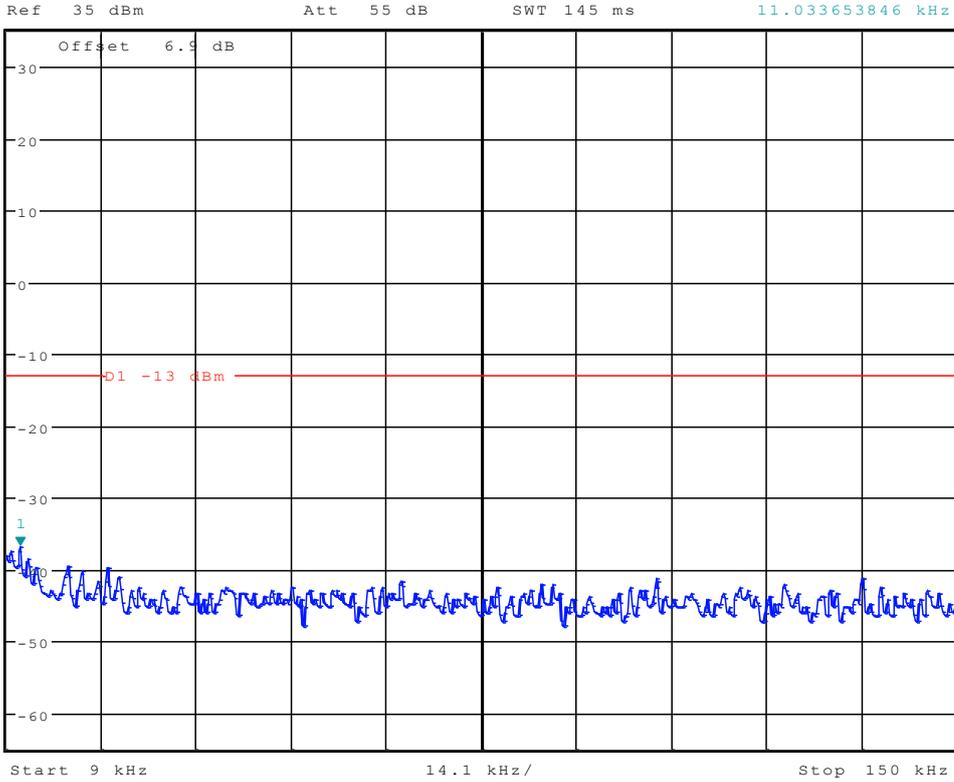




Channel 1175



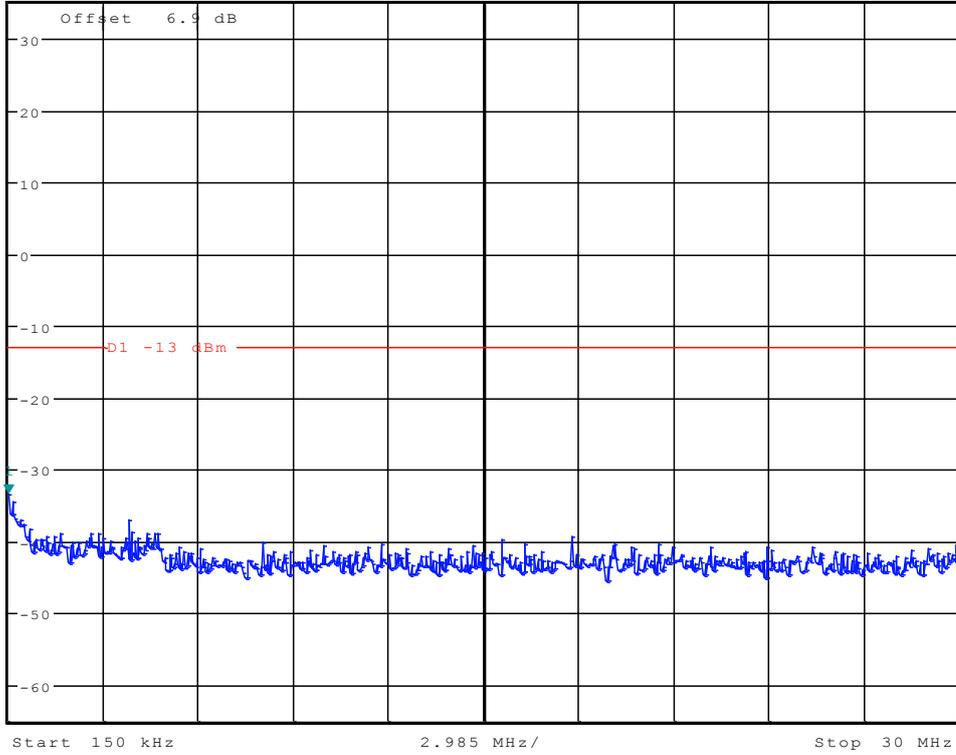
*RBW 1 kHz Marker 1 [T1]
*VBW 10 kHz -36.74 dBm
SWT 145 ms 11.033653846 kHz

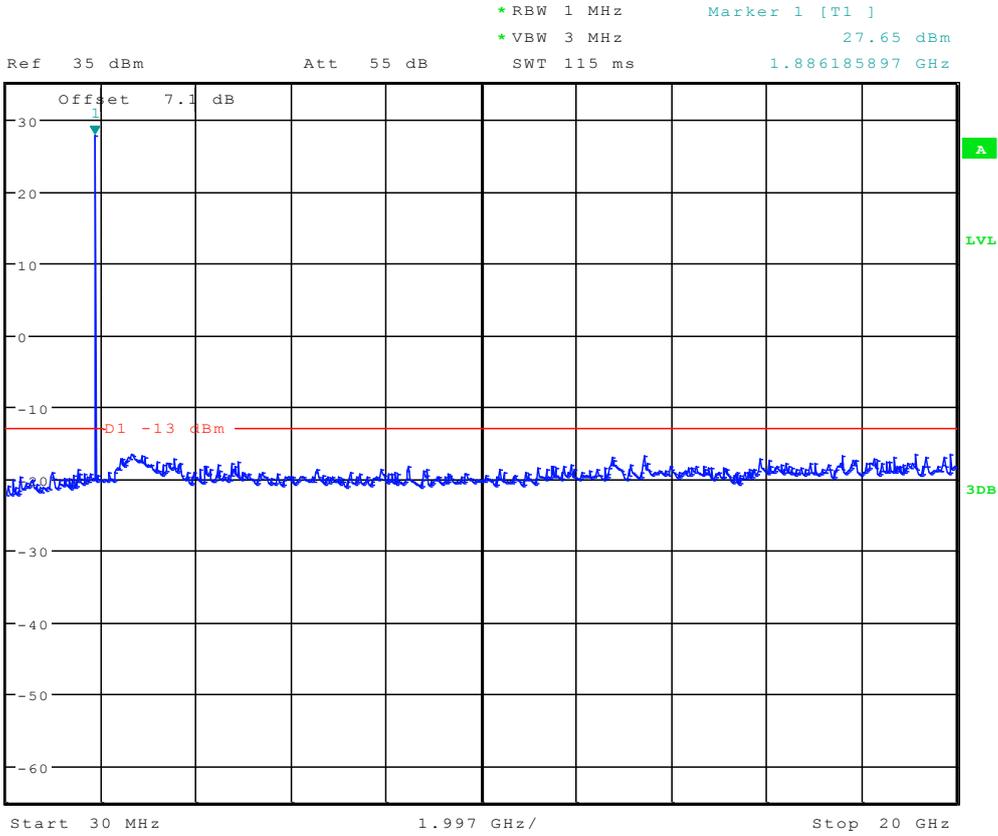




* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -33.40 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 150.00000000 kHz

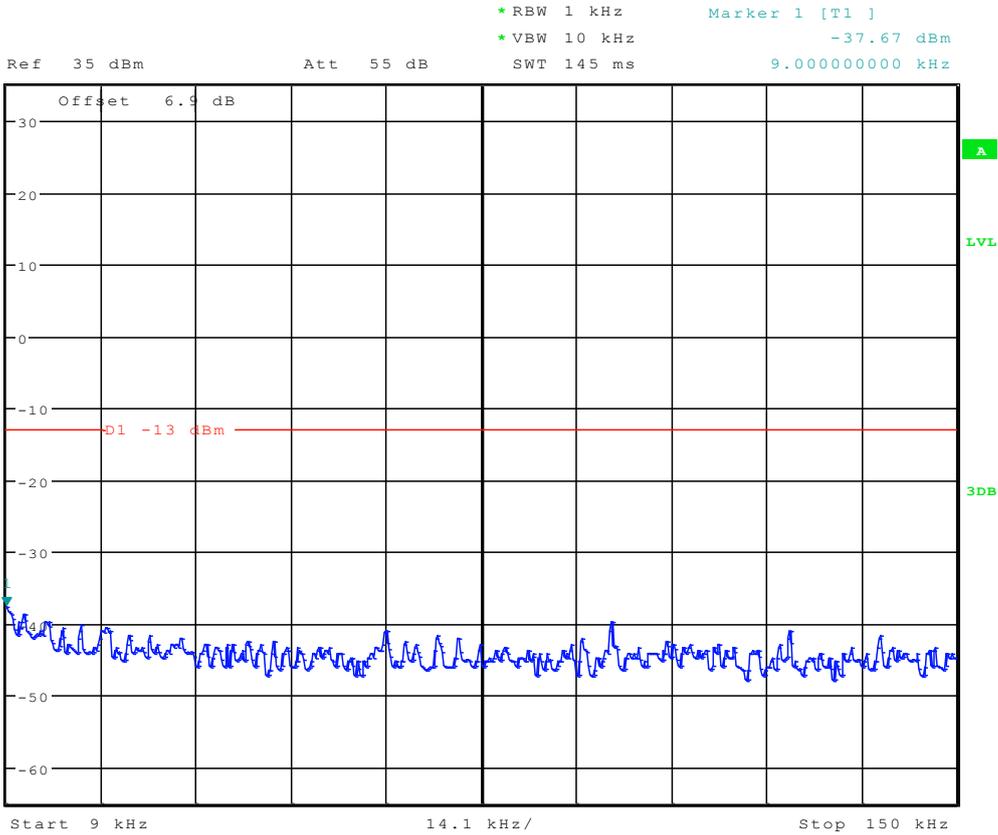
1 PR
MAXH





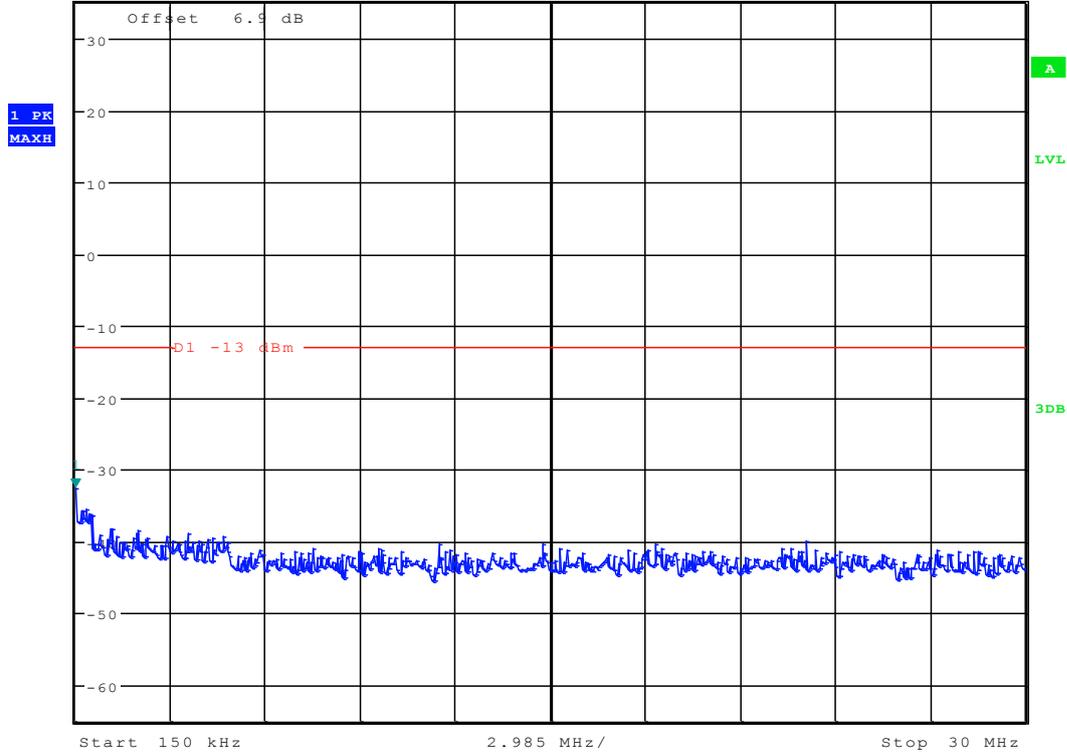


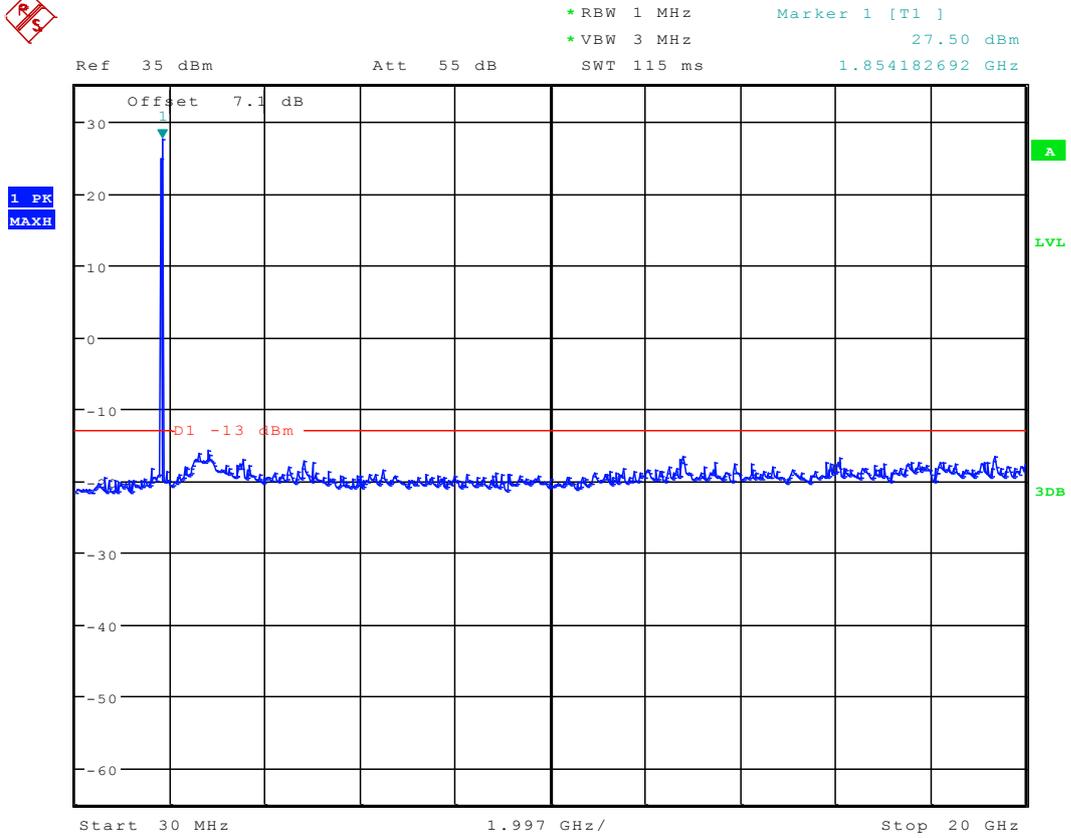
Modulation: 8PSK Channel 25





* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -32.59 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 150.000000000 kHz



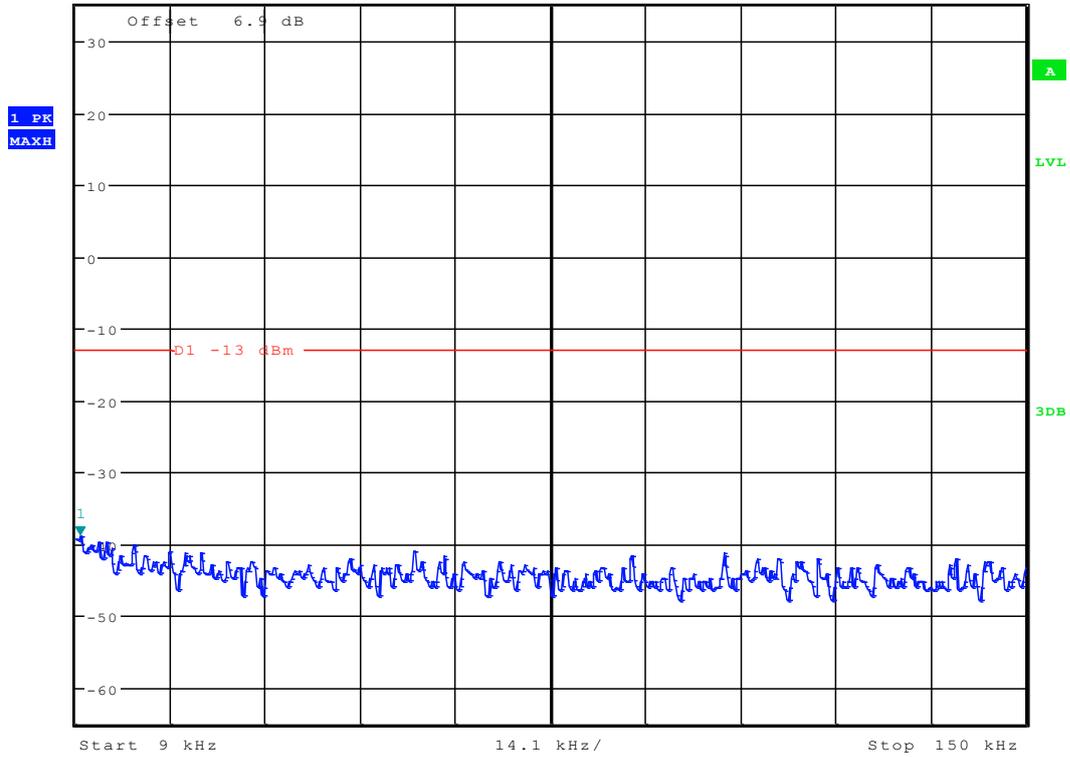


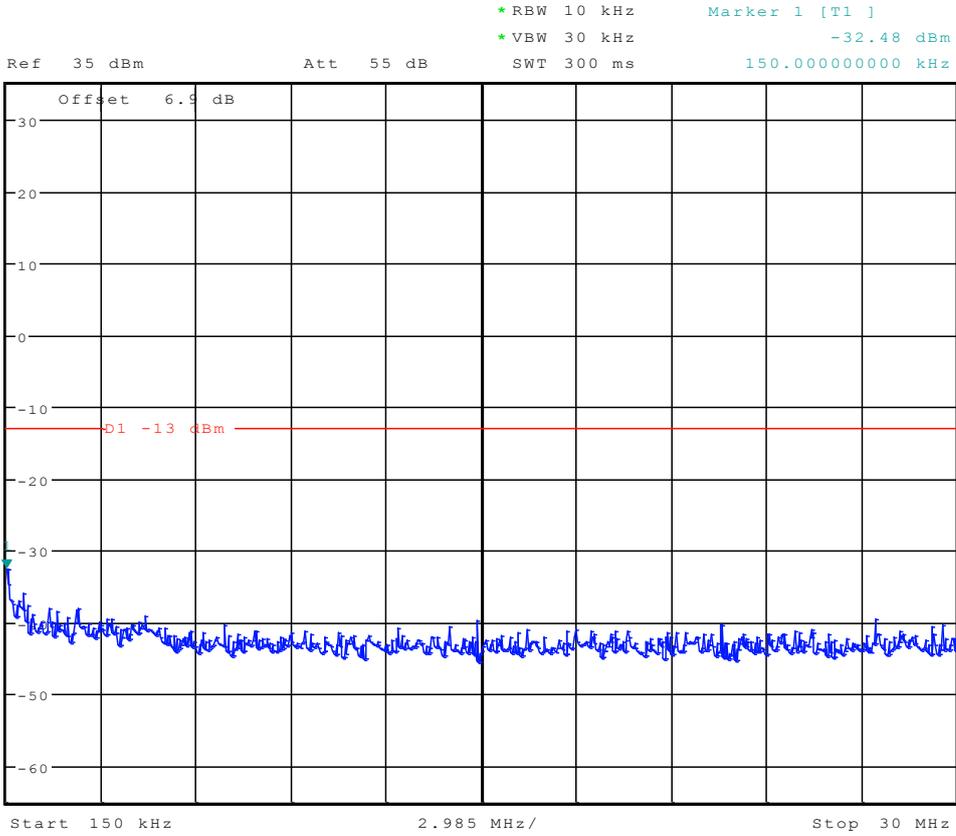


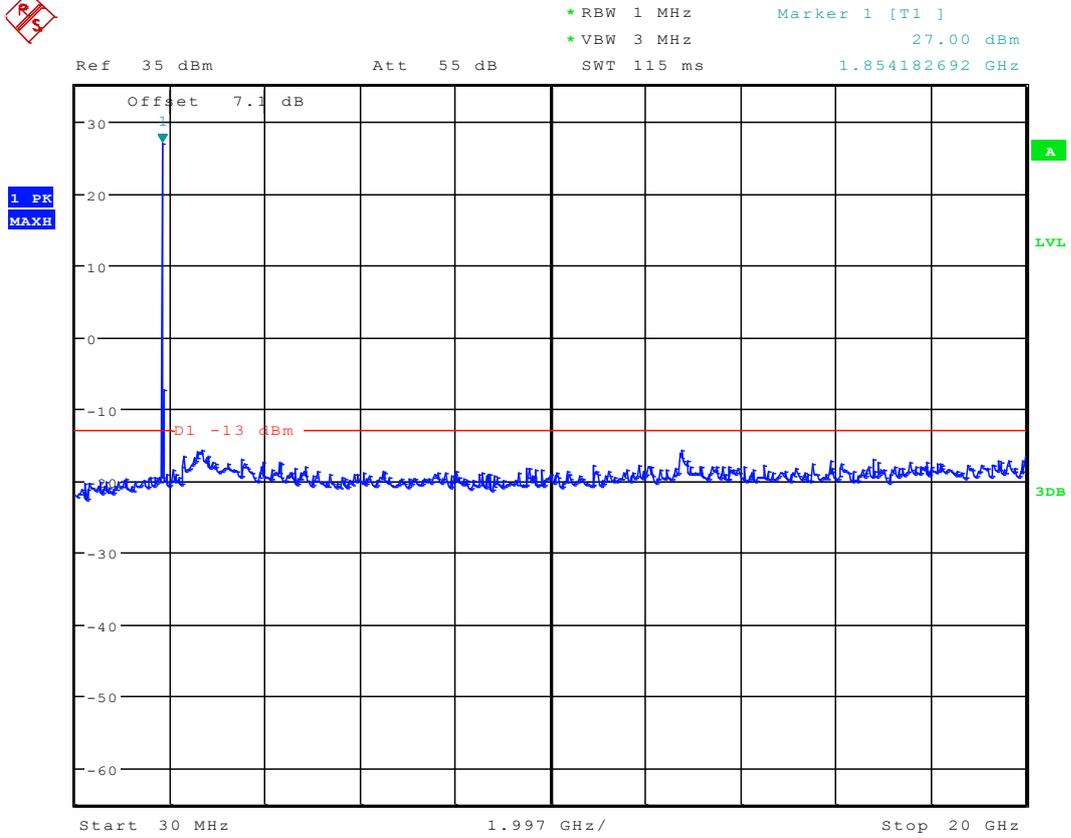
Channel 600



Ref 35 dBm Att 55 dB *RBW 1 kHz *VBW 10 kHz Marker 1 [T1] -38.95 dBm
SWT 145 ms 9.677884615 kHz





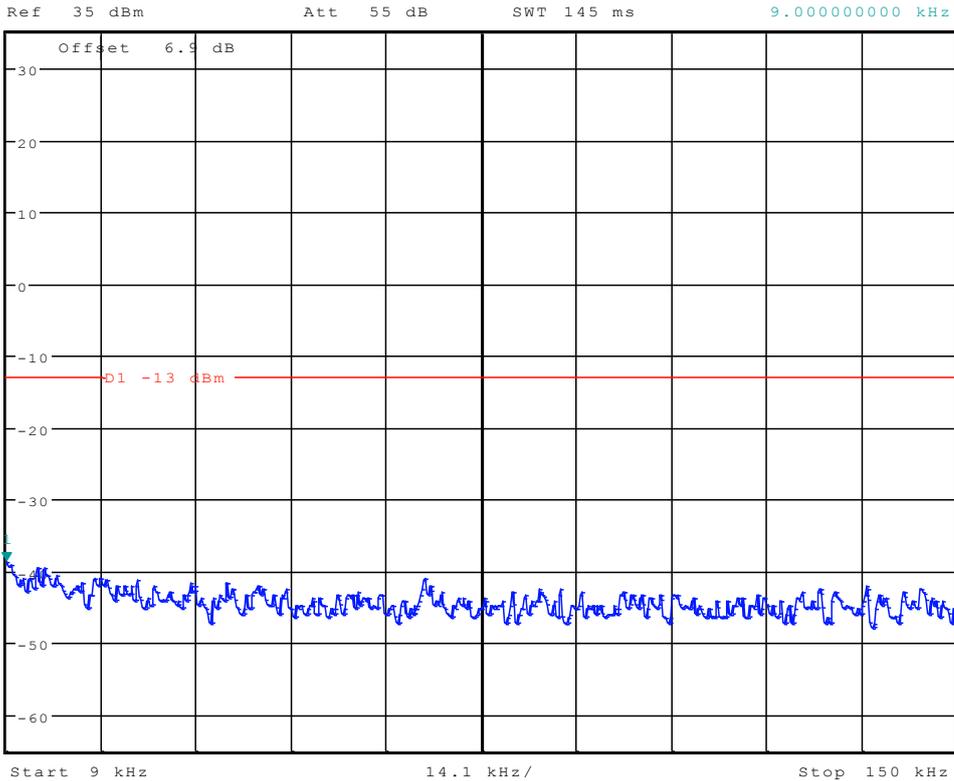


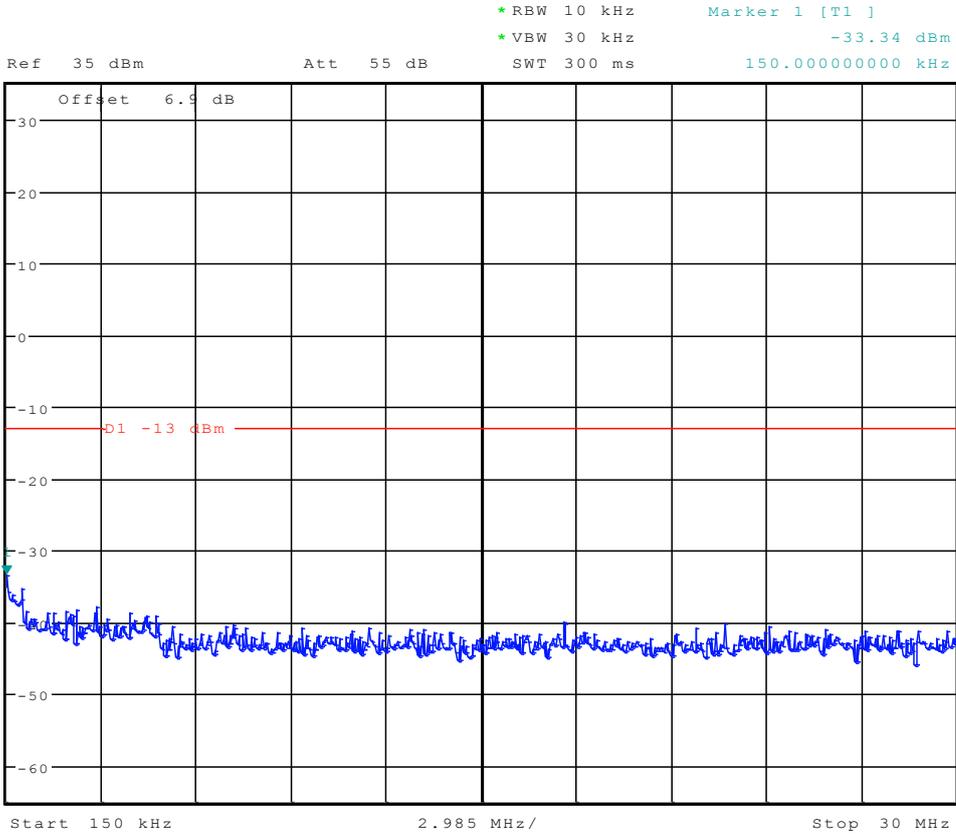


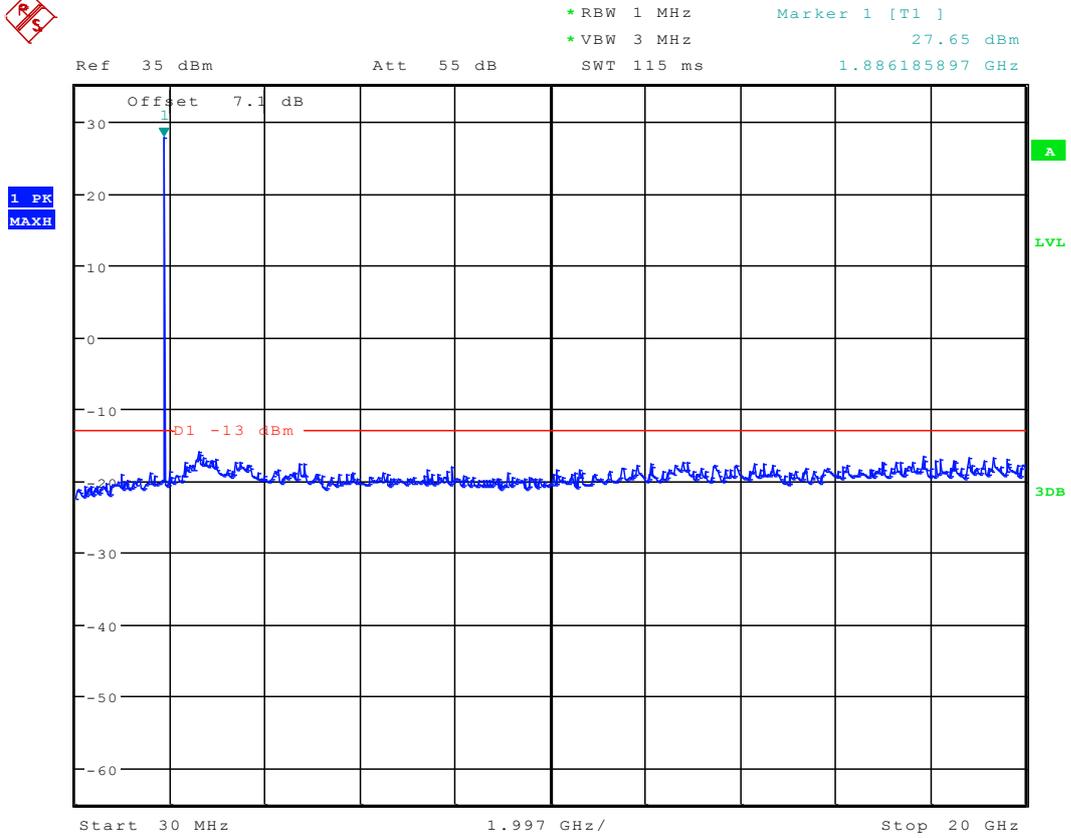
Channel 1175



*RBW 1 kHz Marker 1 [T1]
*VBW 10 kHz -38.61 dBm
SWT 145 ms 9.000000000 kHz









Appendix E

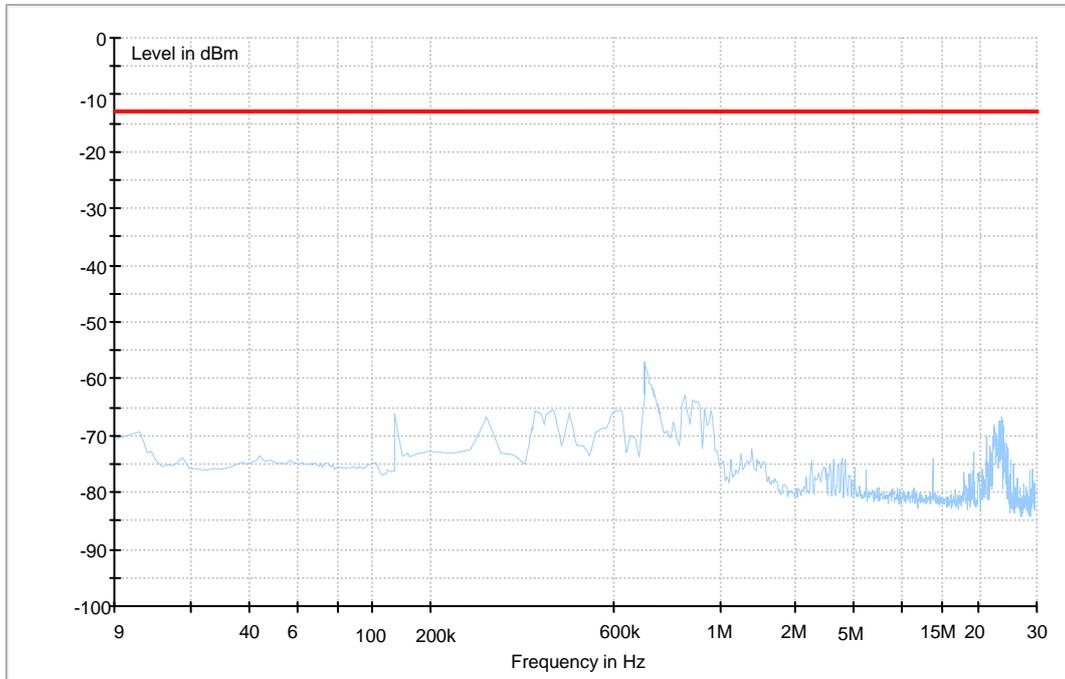
Radiated spurious emission

According to FCC Part 2.1053& Part 24 Subpart E



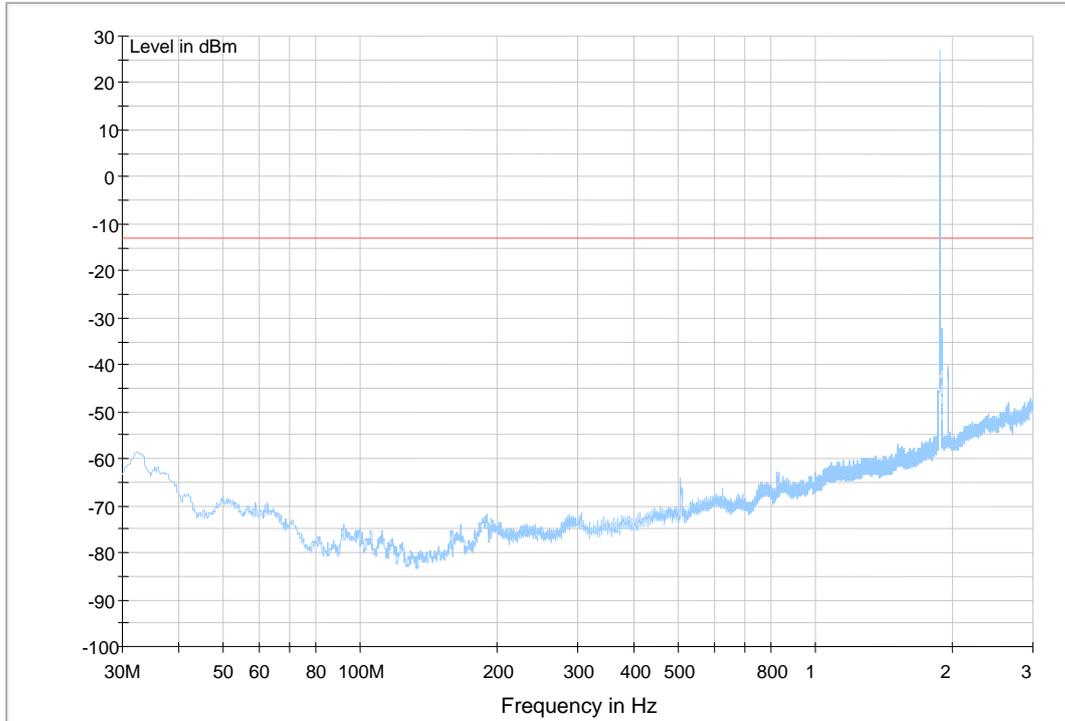
CDMA 1900

Traffic Mode (9kHz-30MHz)



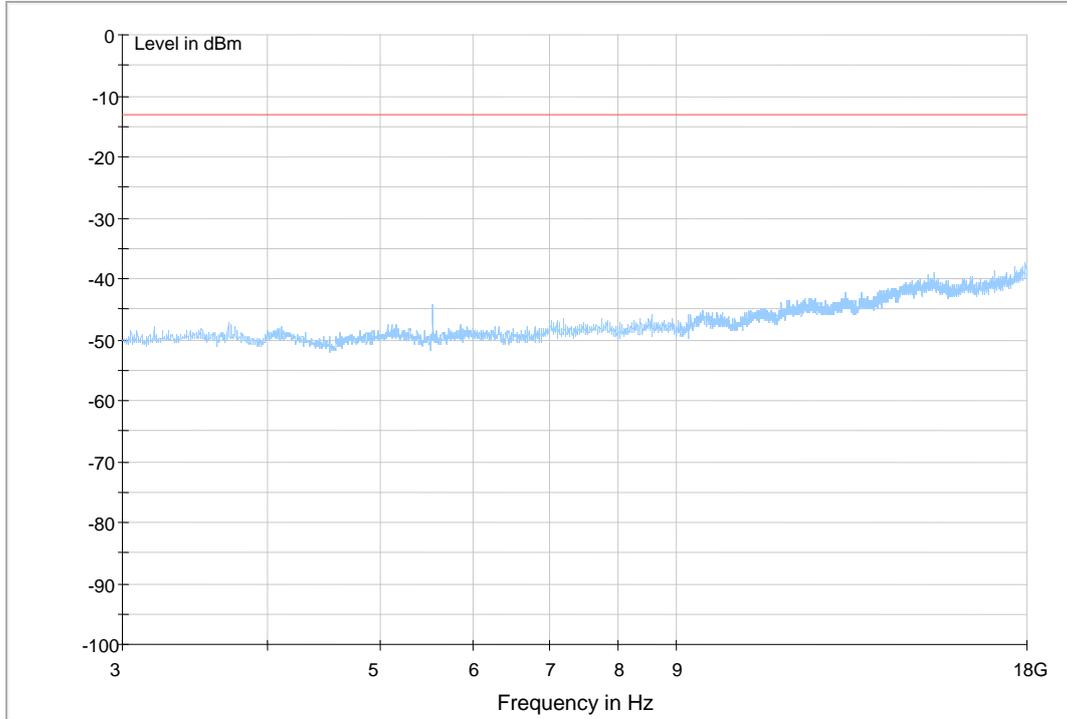


Traffic Mode (30MHz-3GHz)



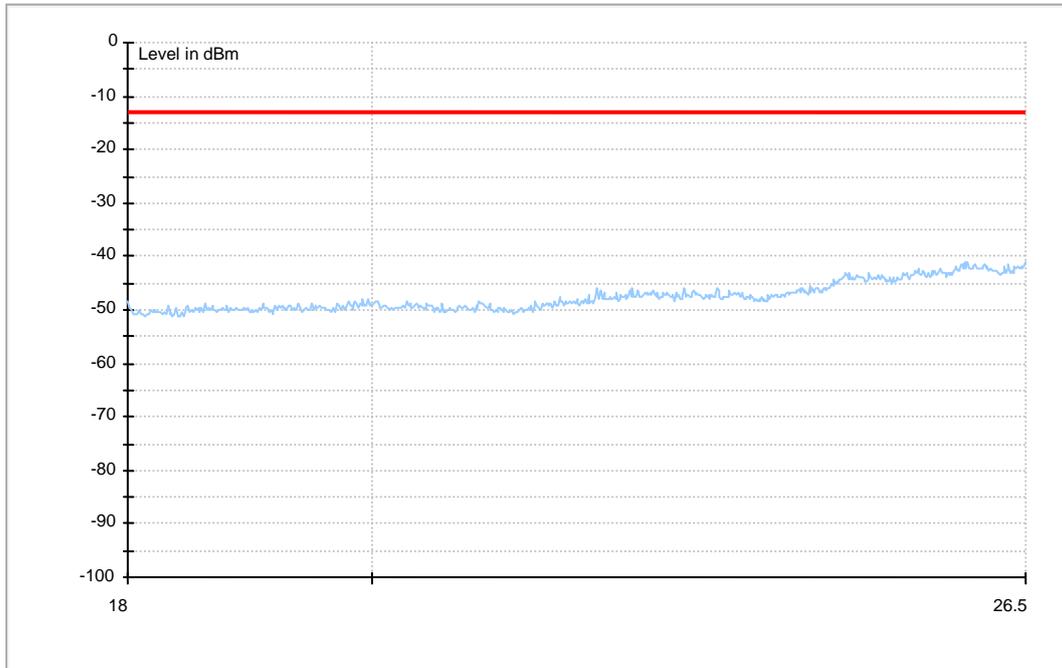


Traffic Mode (3GHz-18GHz)





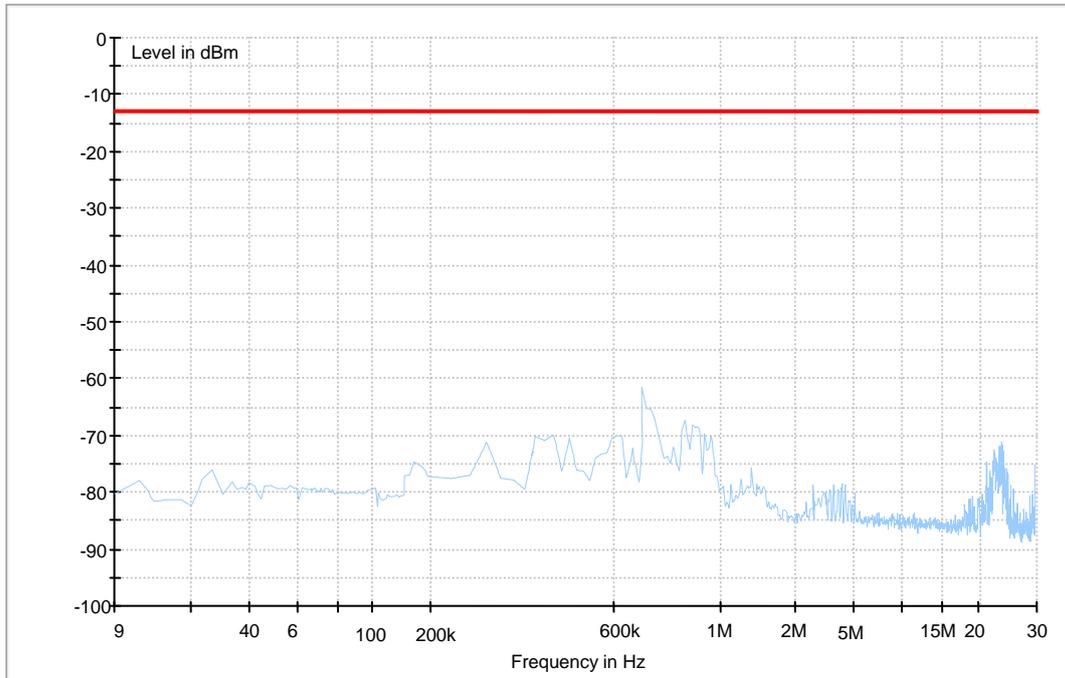
Traffic Mode (18GHz-26.5GHz)





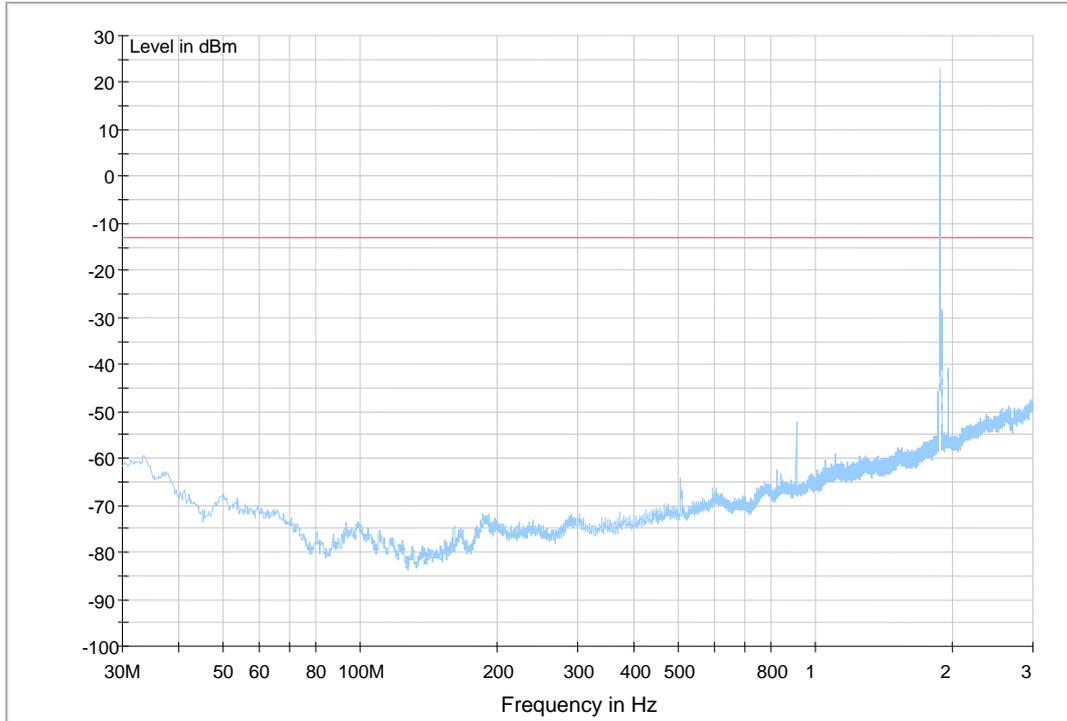
EVDO.0 1900

Traffic Mode (9kHz-30MHz)



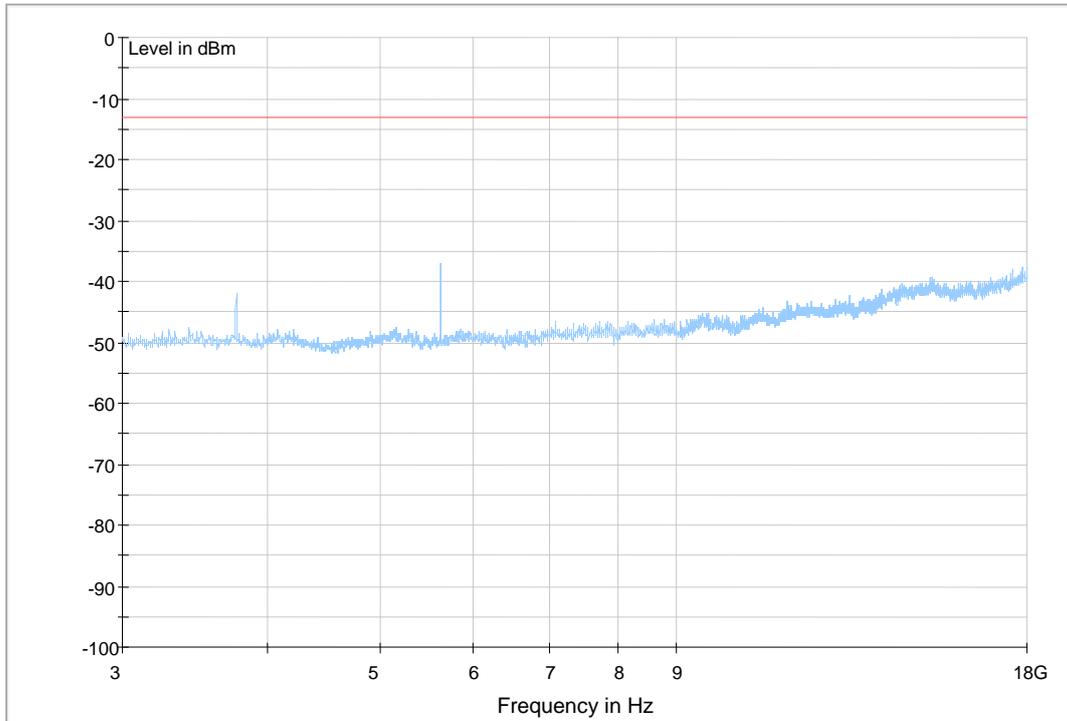


Traffic Mode (30MHz-3GHz)



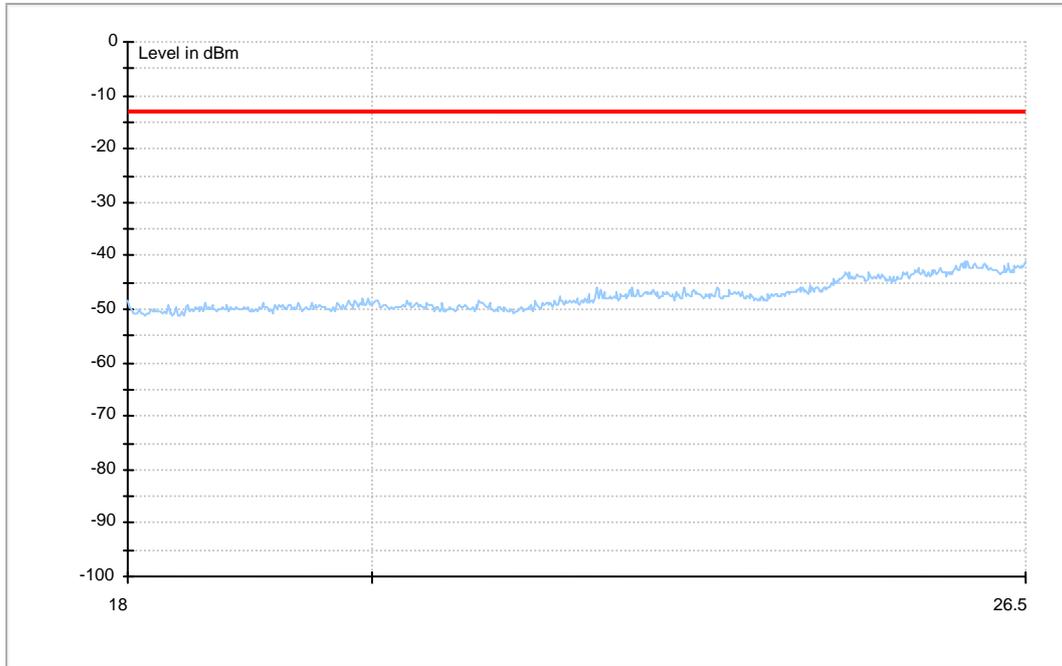


Traffic Mode (3GHz-18GHz)





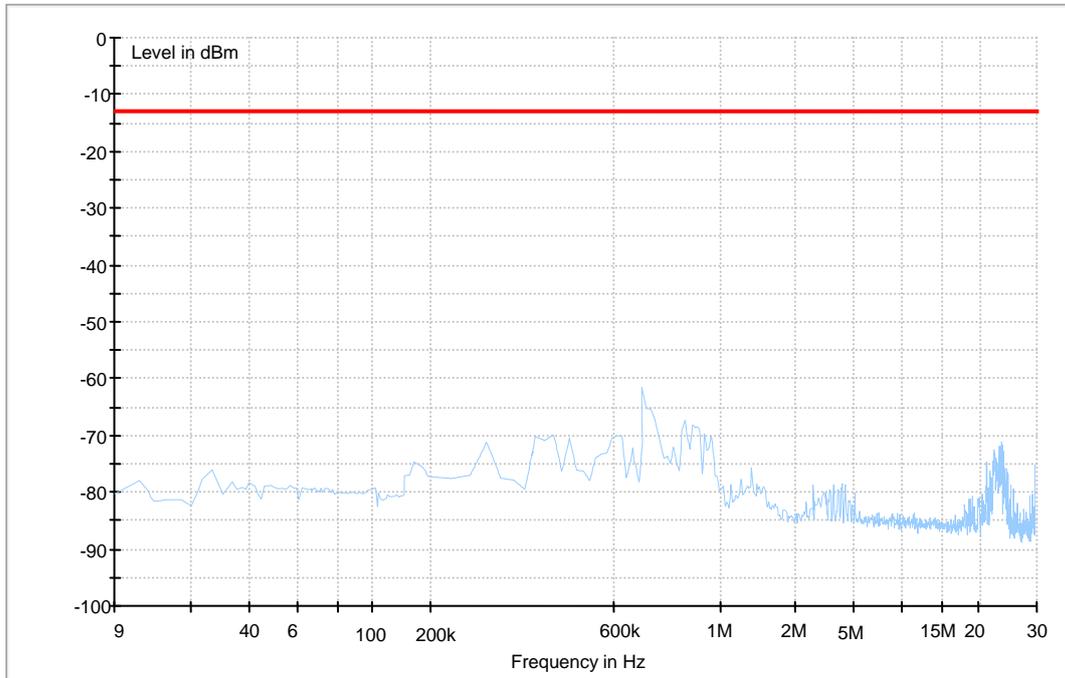
Traffic Mode (18GHz-26.5GHz)





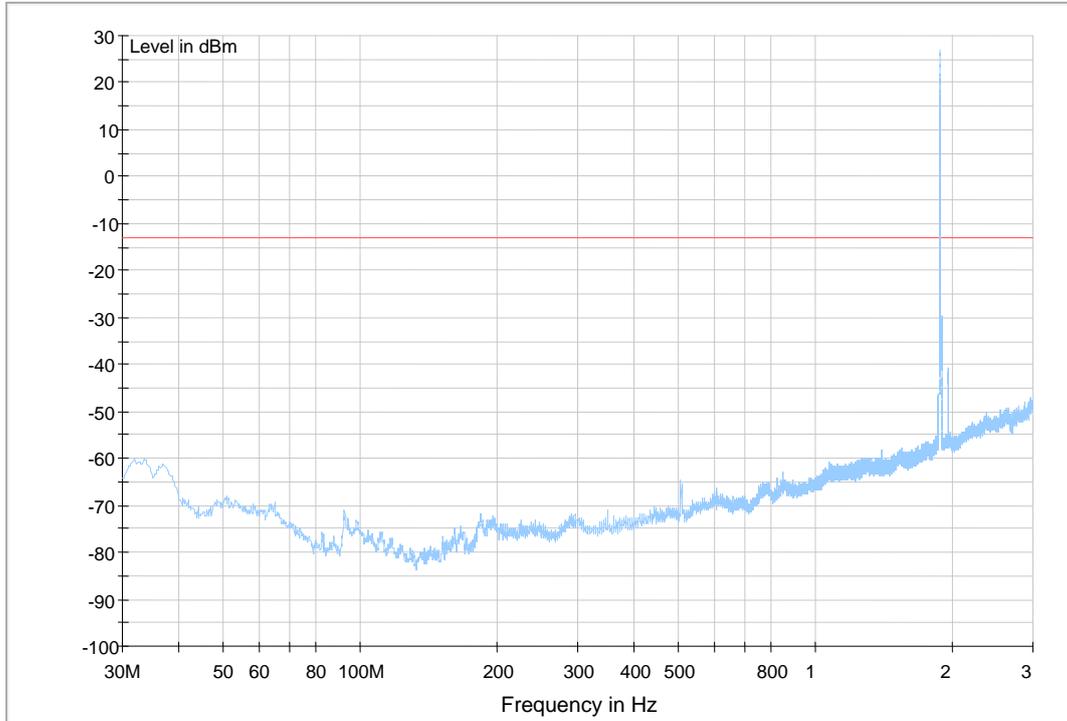
EVDO.A 1900

Traffic Mode (9kHz-30MHz)



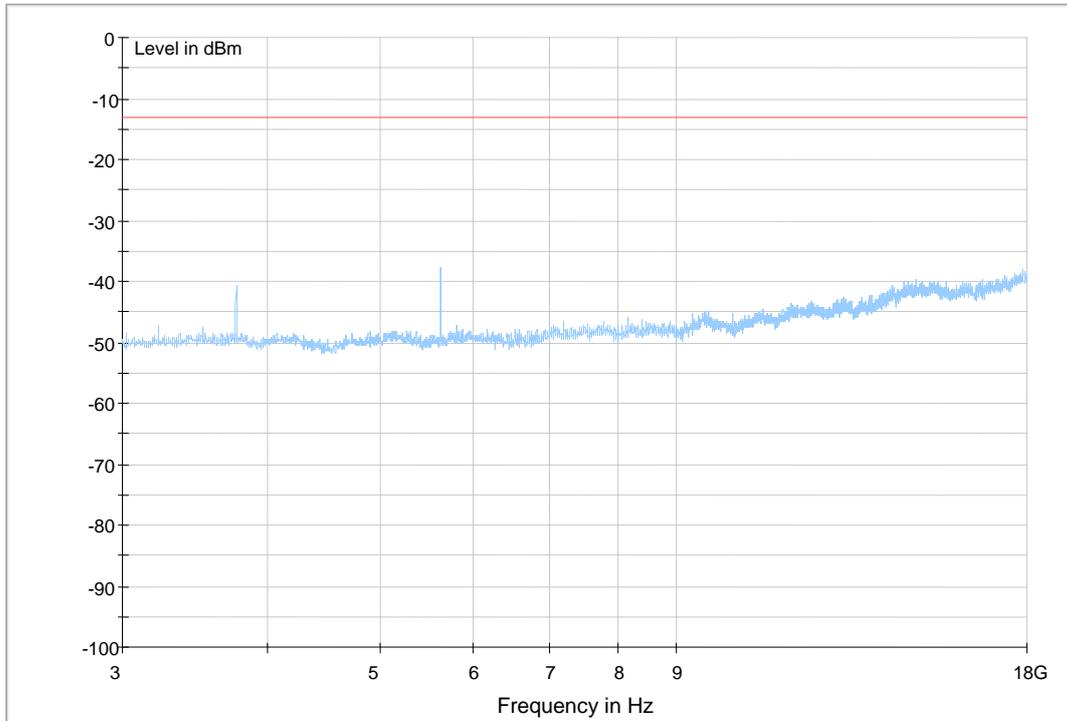


Traffic Mode (30MHz-3GHz)





Traffic Mode (3GHz-18GHz)





Traffic Mode (18GHz-26.5GHz)

