



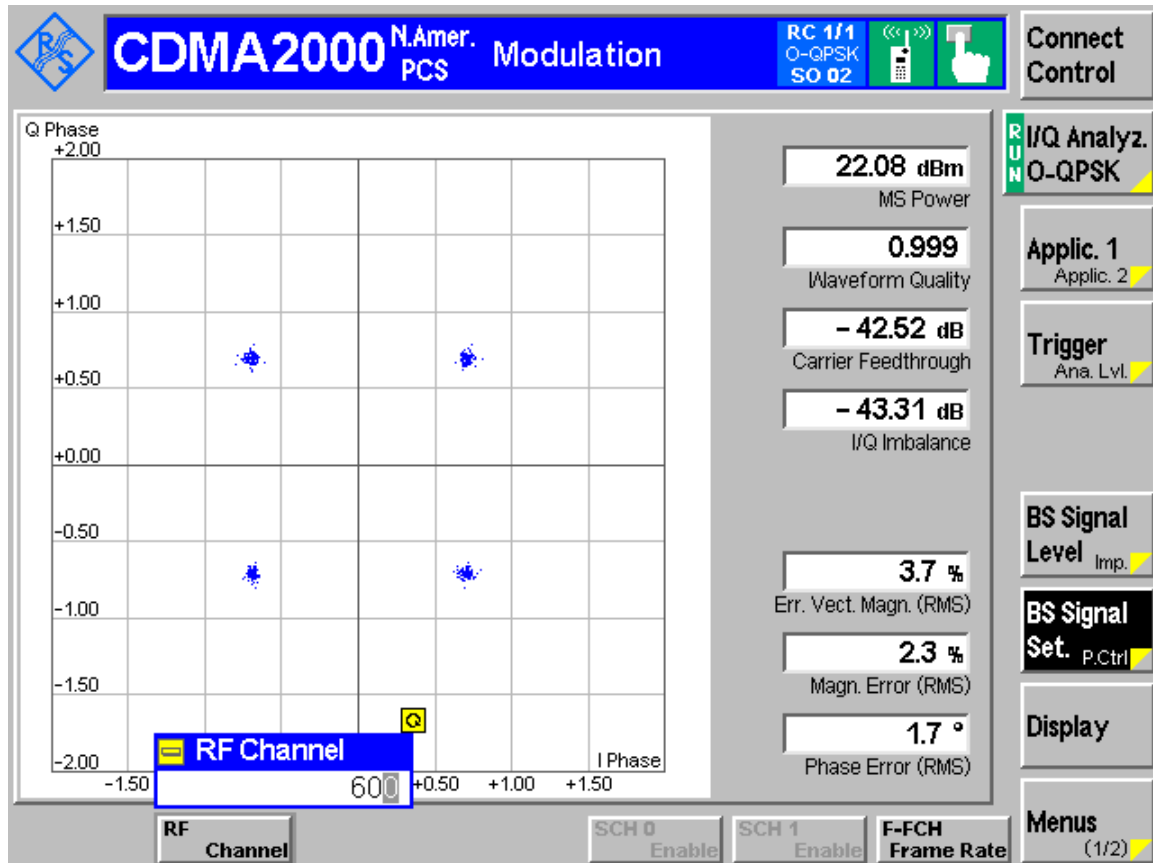
## **Appendix A**

### **Modulation Characteristics**

According to FCC Part 2.1047& Part 24 Subpart E

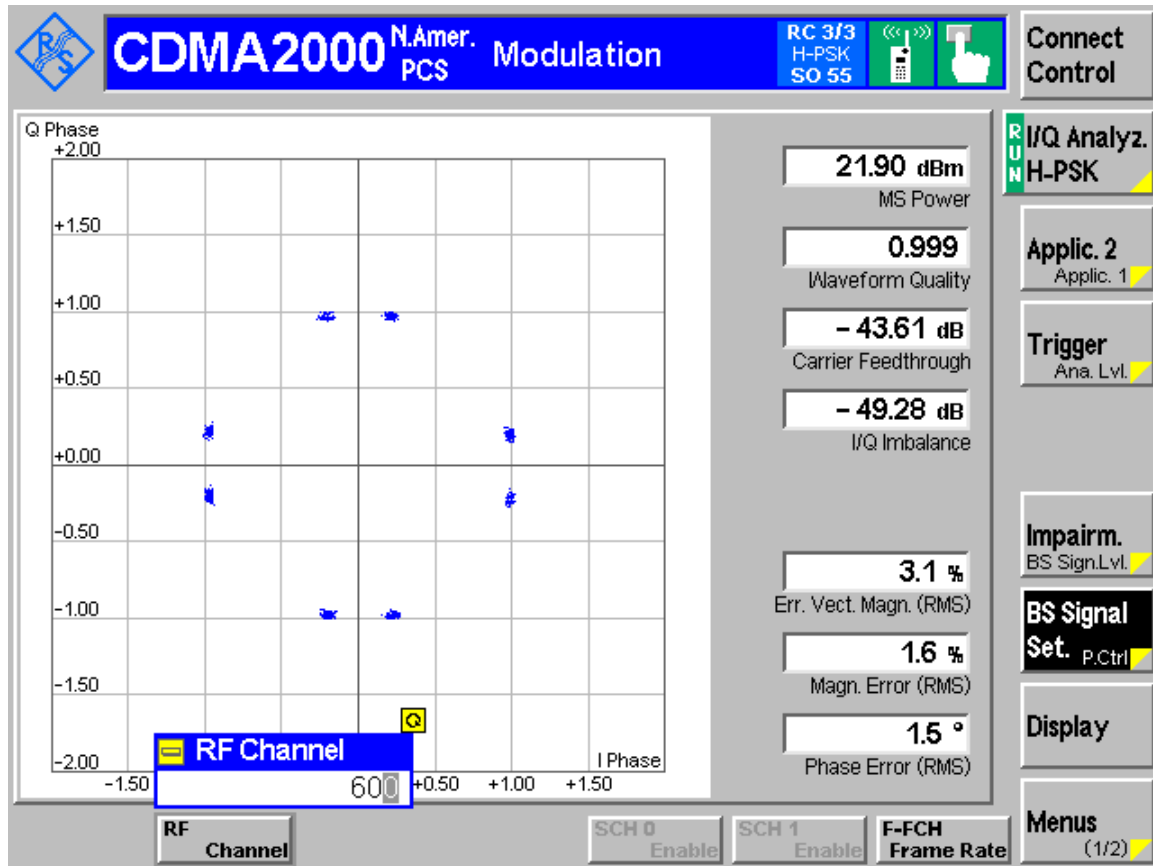


## Channel 600 (TM1)



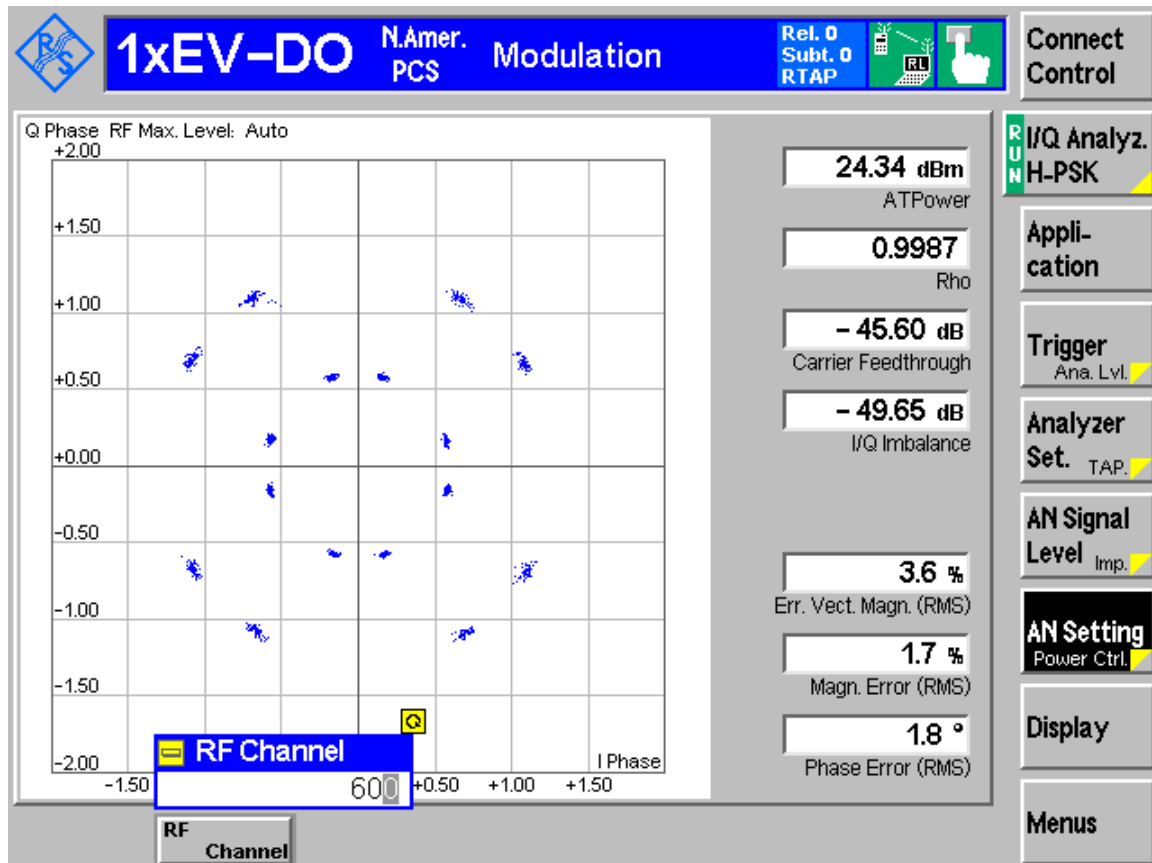


## Channel 600 (TM3)





## Channel 600 (Subtype 0) (HPSK)



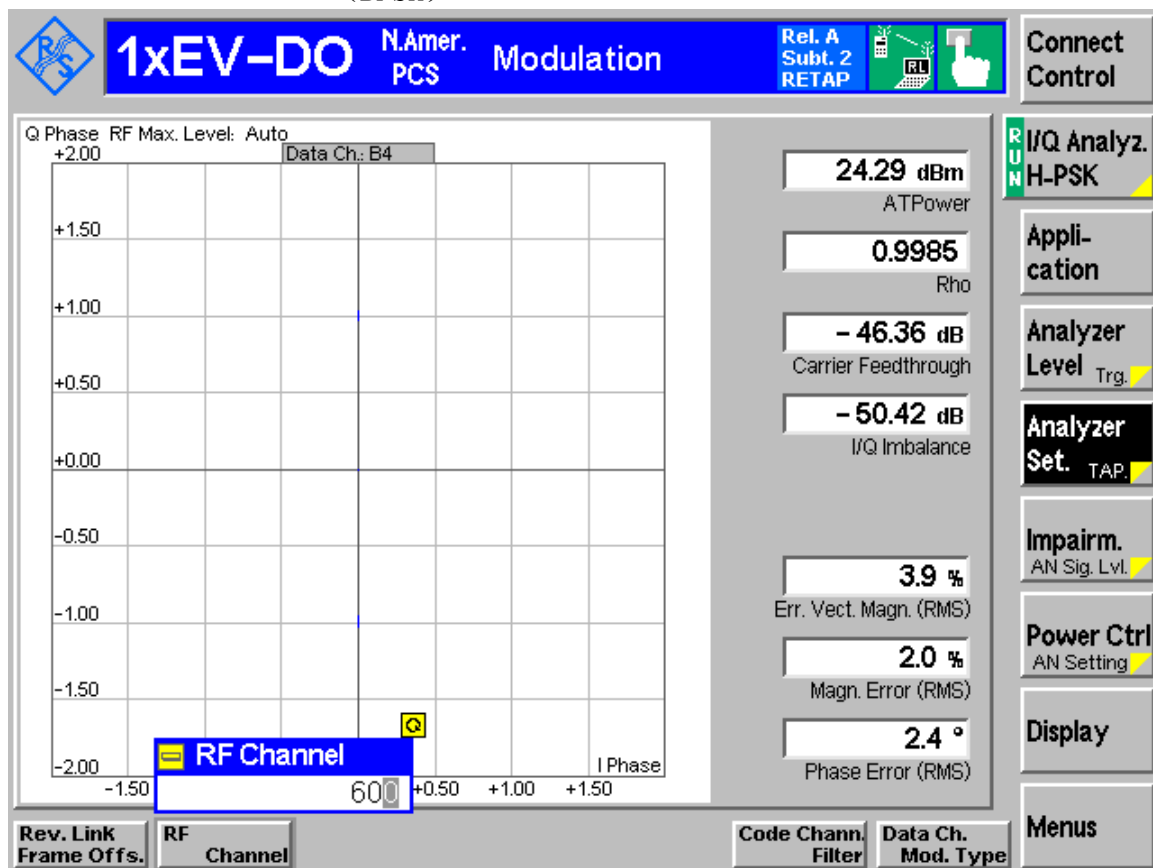


## Channel 600 (Subtype 2)

The R-Data packet size determines the modulation format:

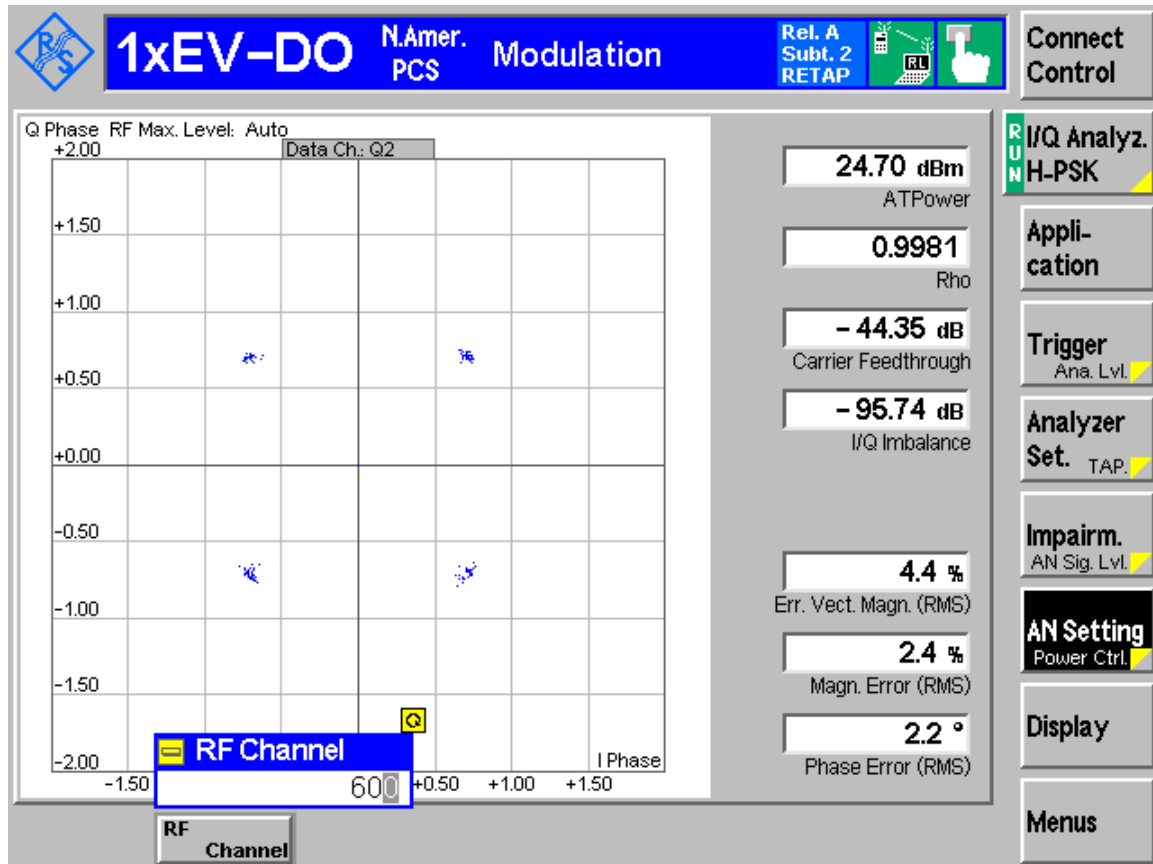
R-Data Pkt Size (256 bits)

(BPSK)



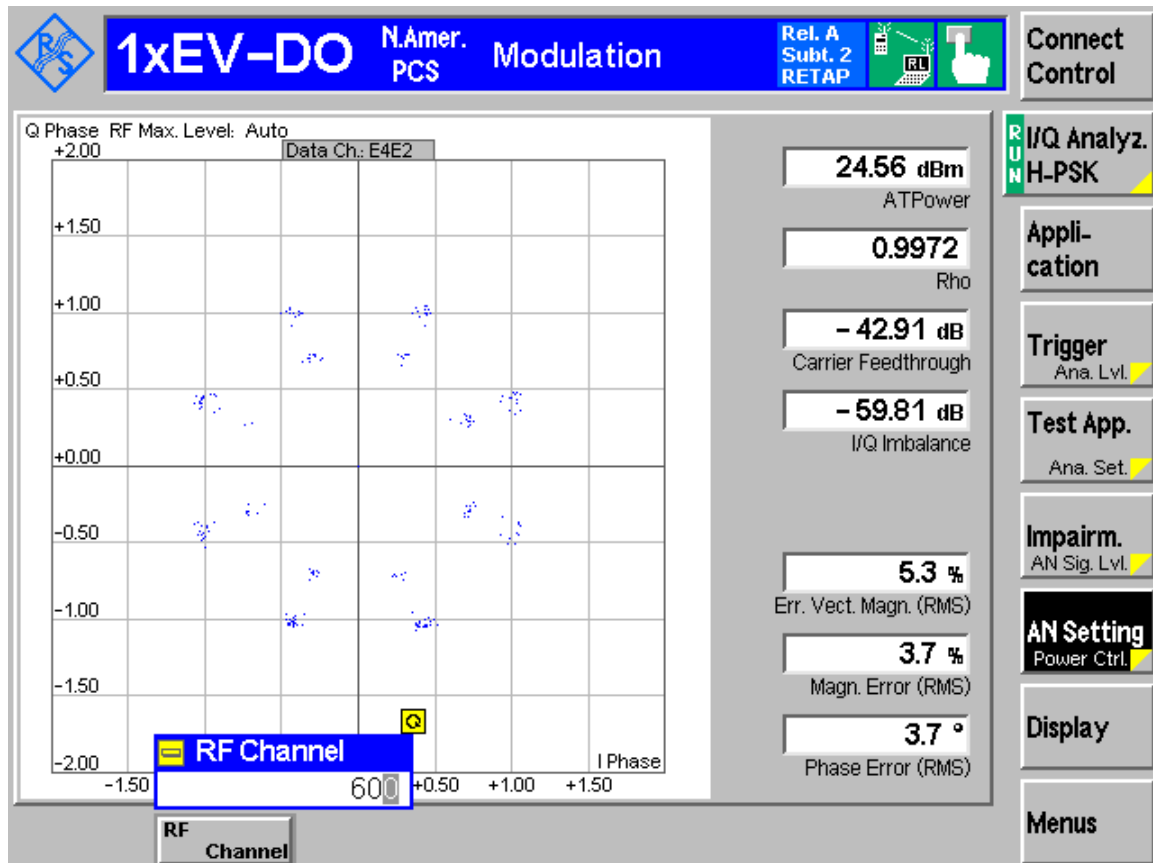


R-Data Pkt Size (4096 bits)  
(QPSK)





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



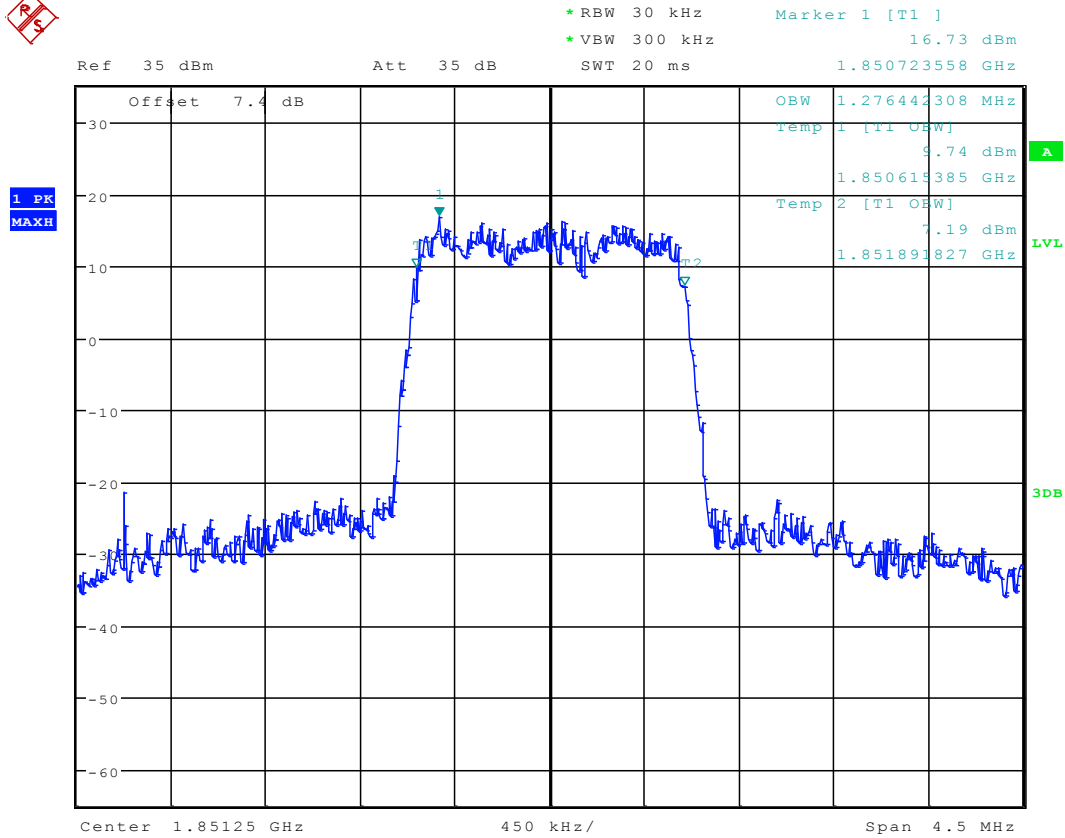


## **Appendix B**

### **Occupied Bandwidth** According to FCC part 2.1049 & Part 24 Subpart E

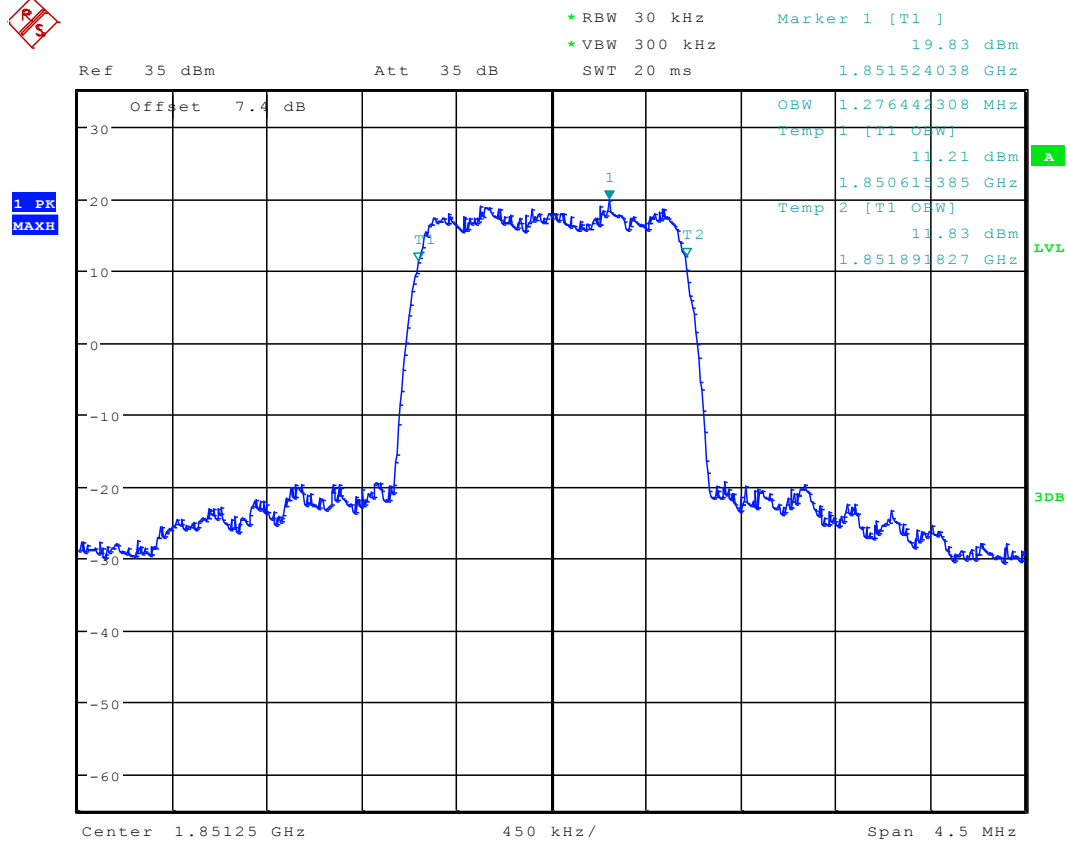


## Channel 25 (TM1)



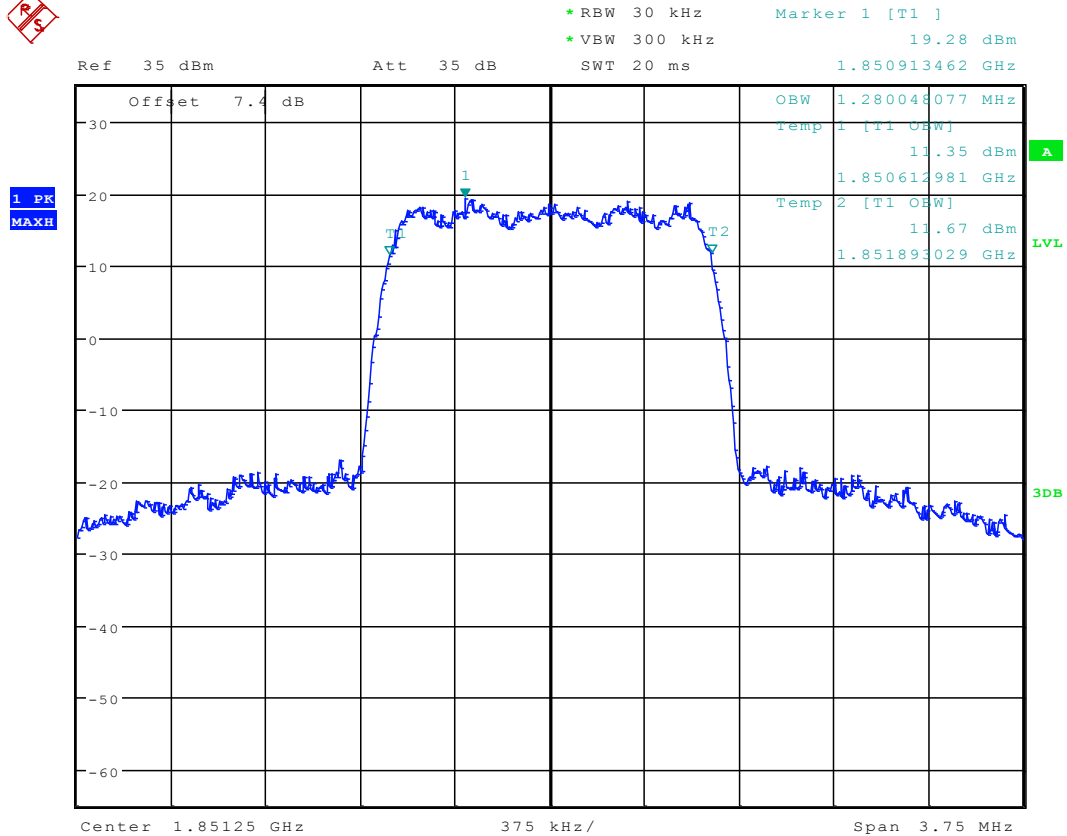


## Channel 25 (TM3)



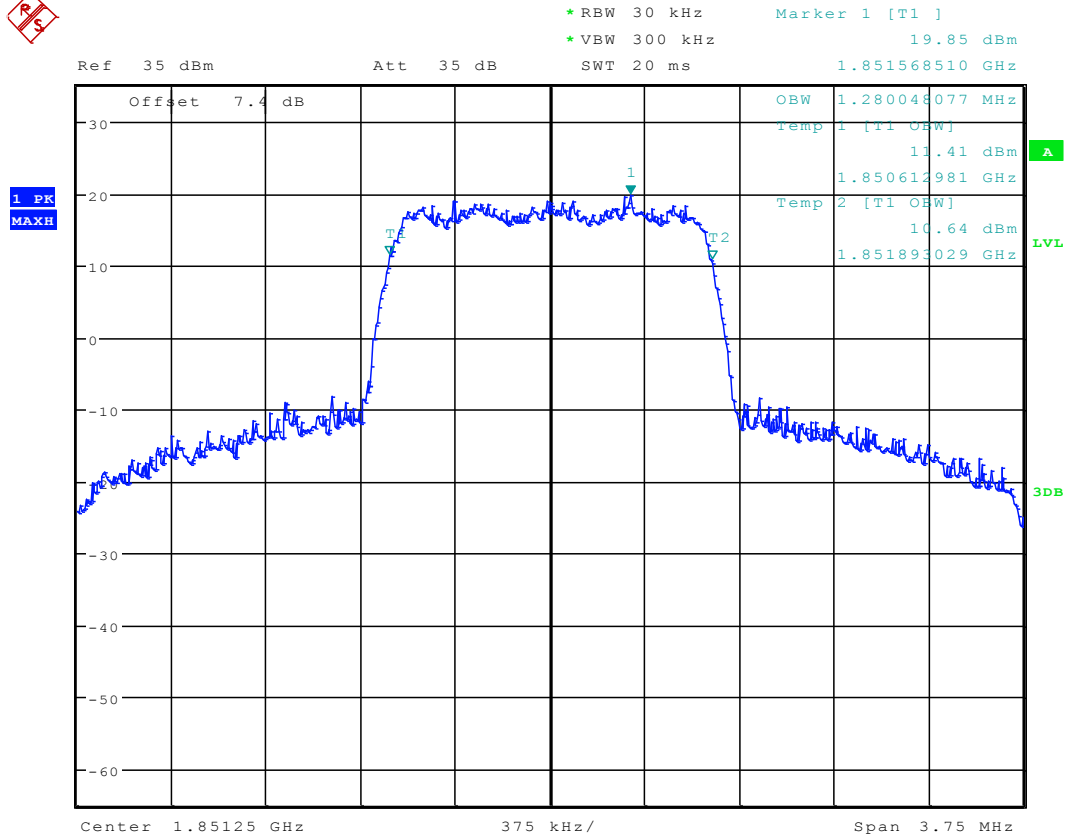


## Channel 25(EVDO subtype 0)



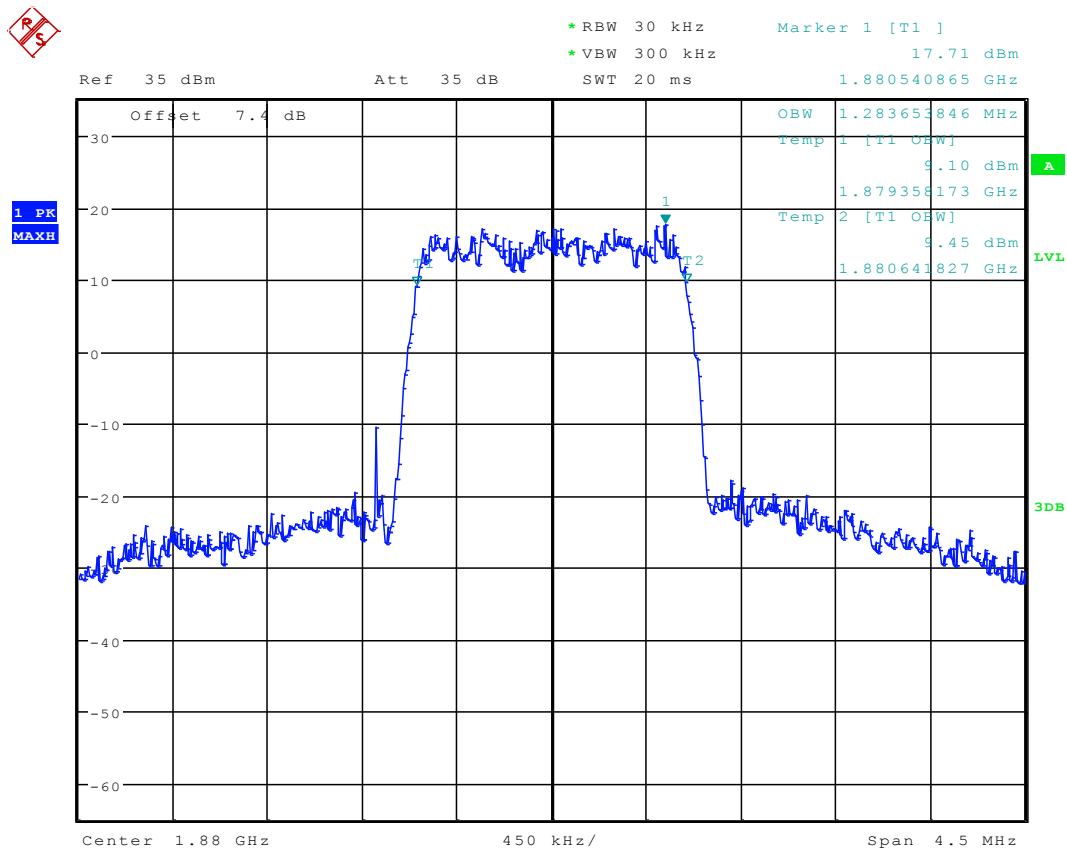


## Channel 25 (EVDO Subtype 2)

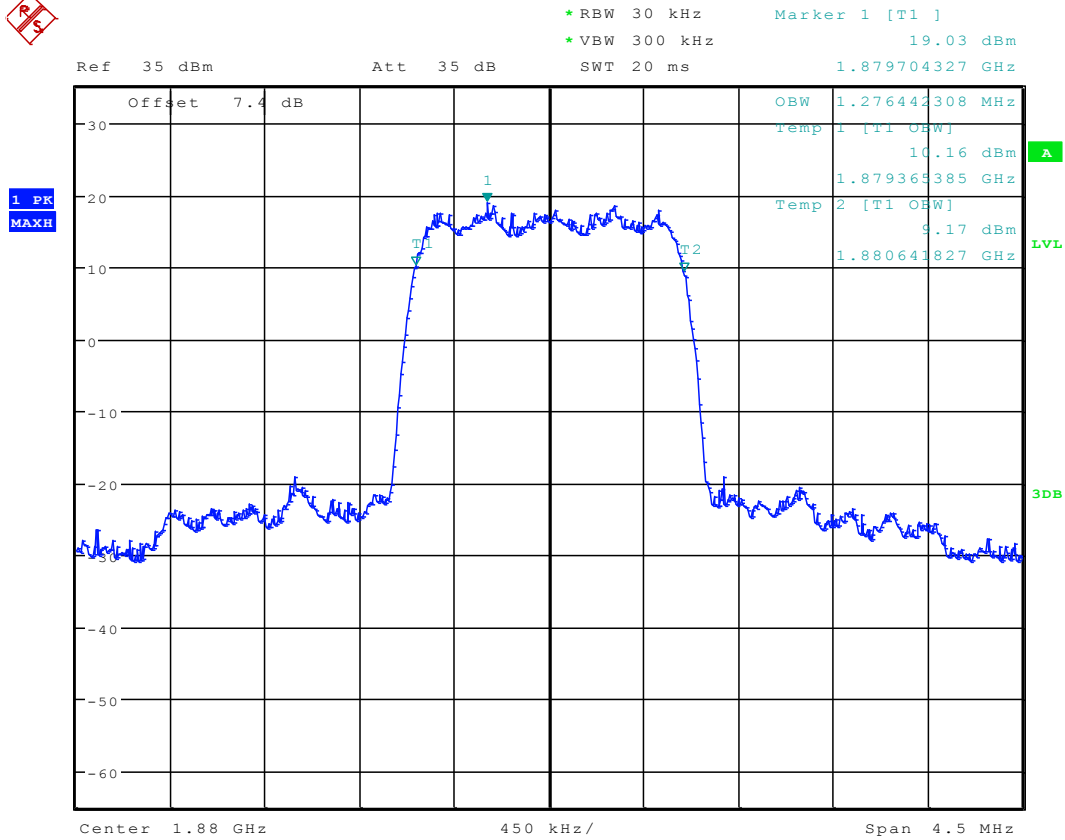




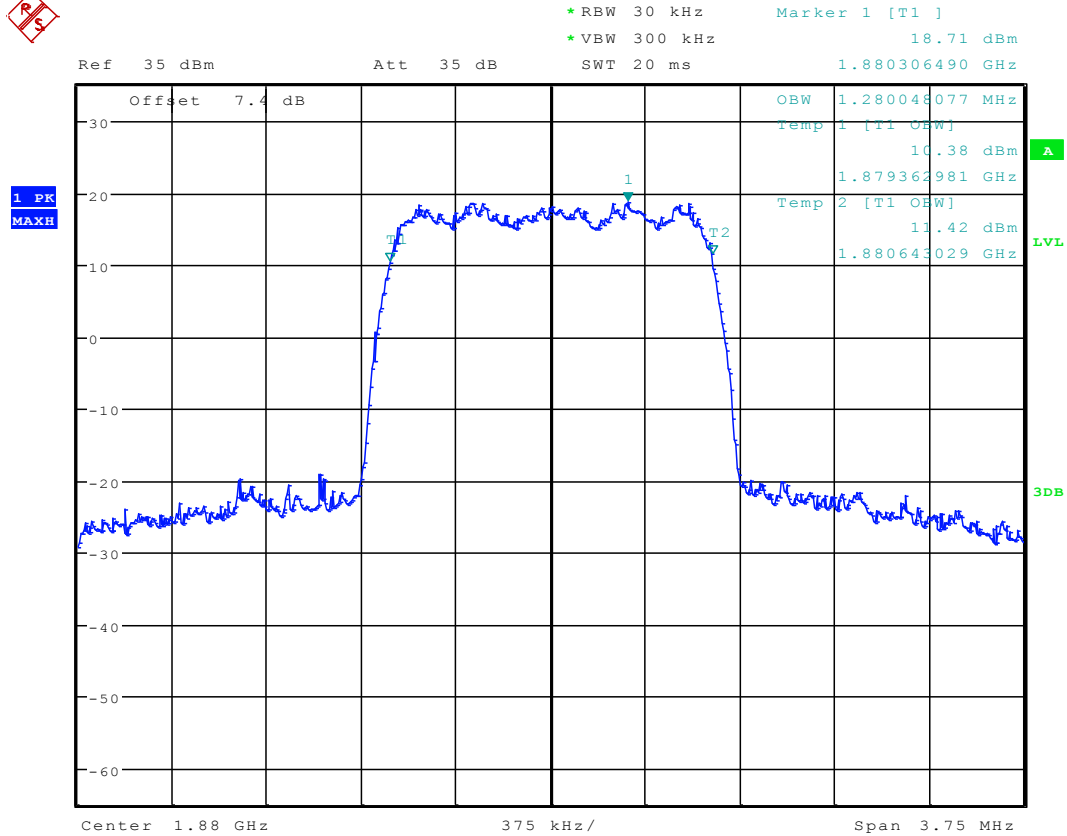
## Channel 600(TM1)



## Channel 600(TM3)



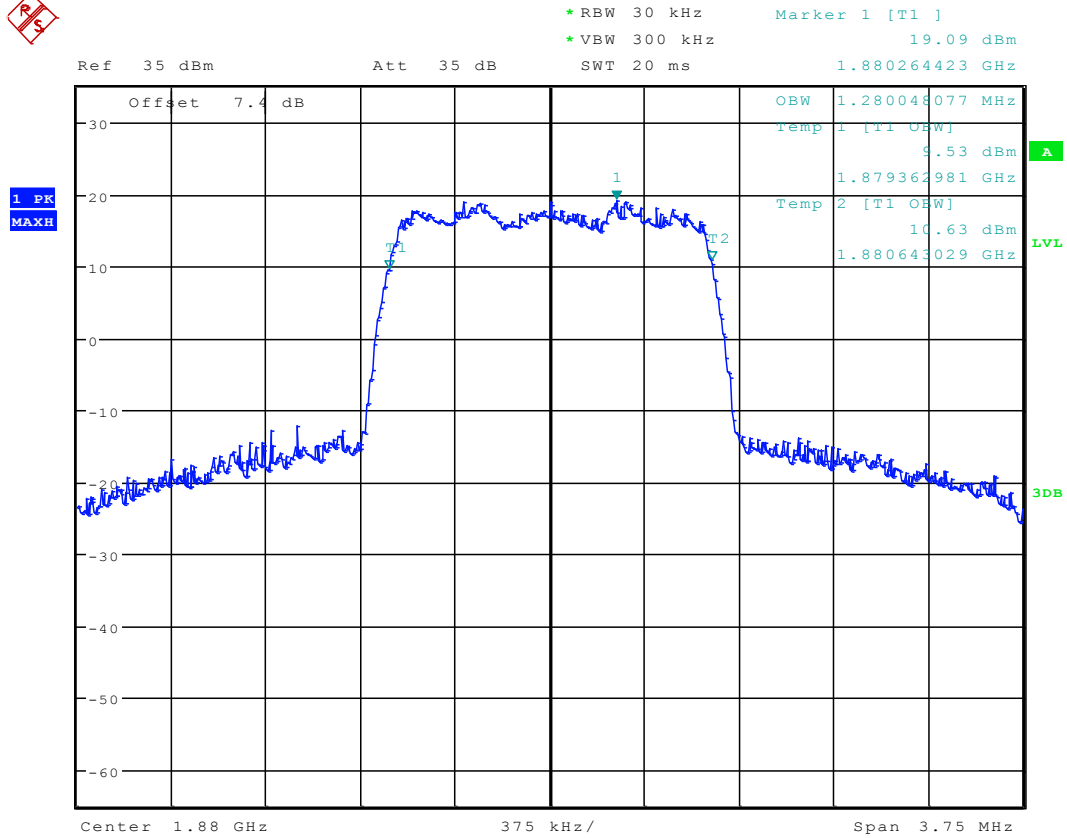
## Channel 600 (EVDO subtype 0)



## Channel 600

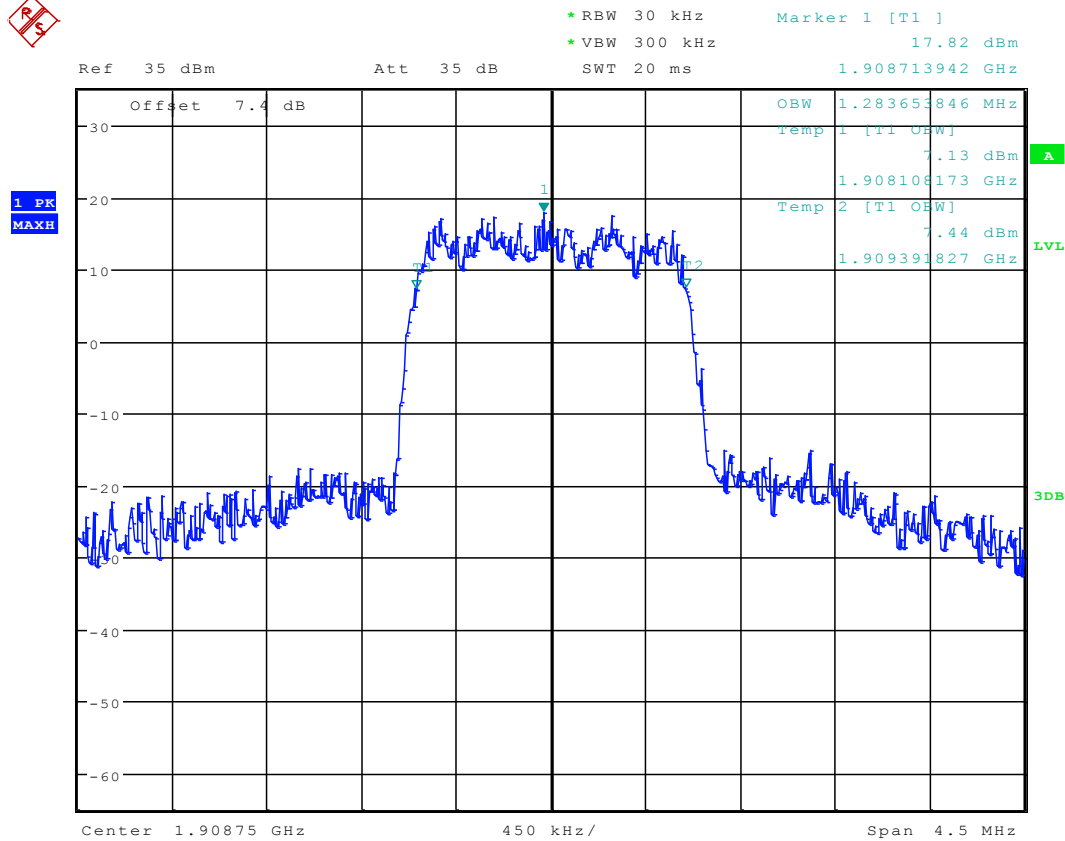


## (EVDO subtype 2 )



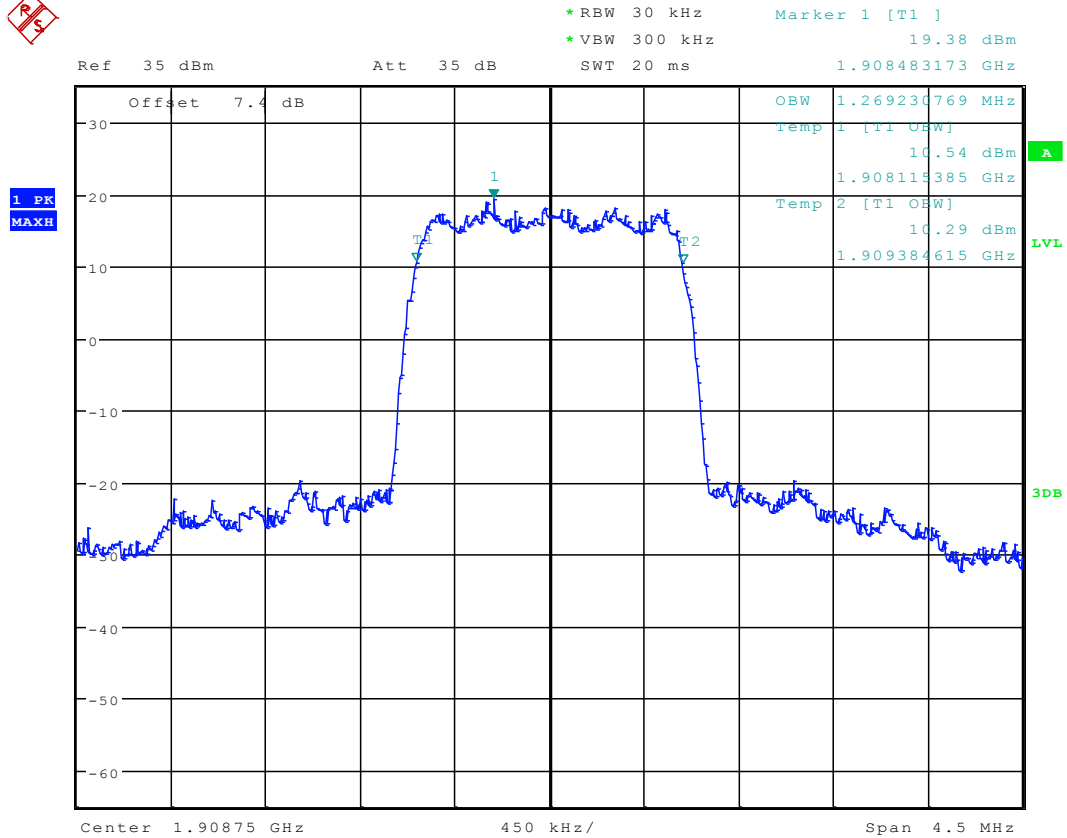


## Channel 1175(TM1)



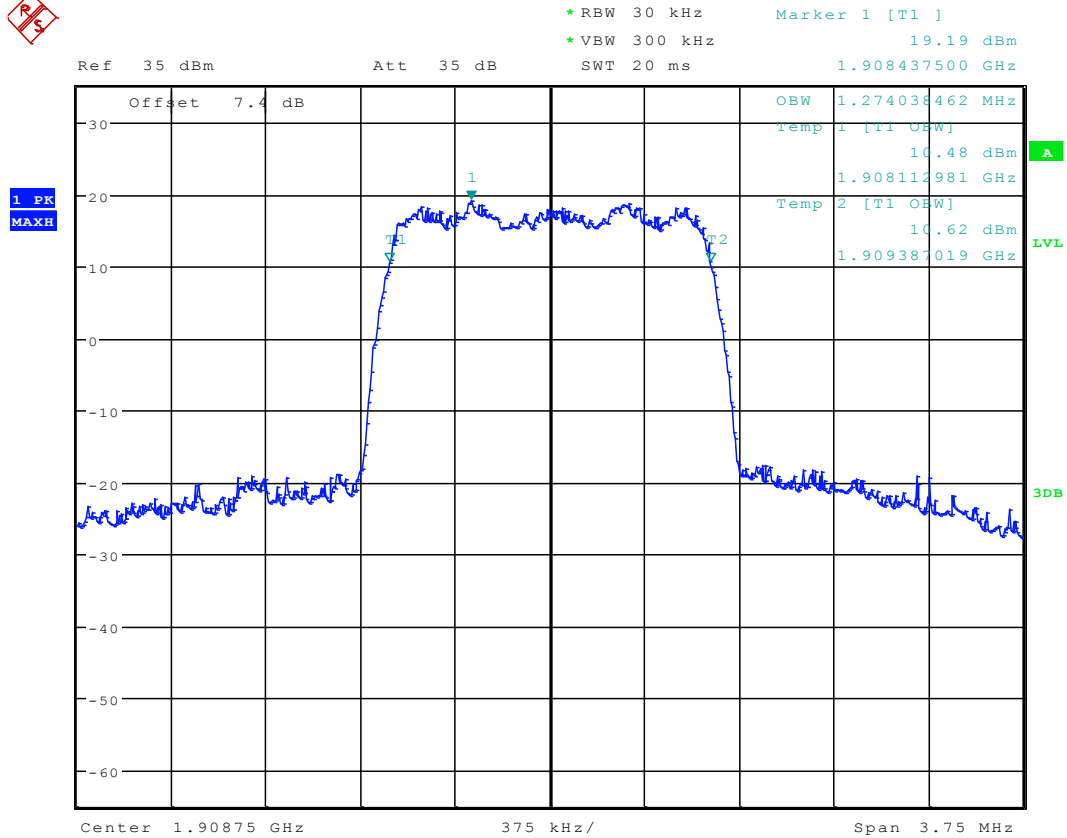


## Channel 1175(TM3)





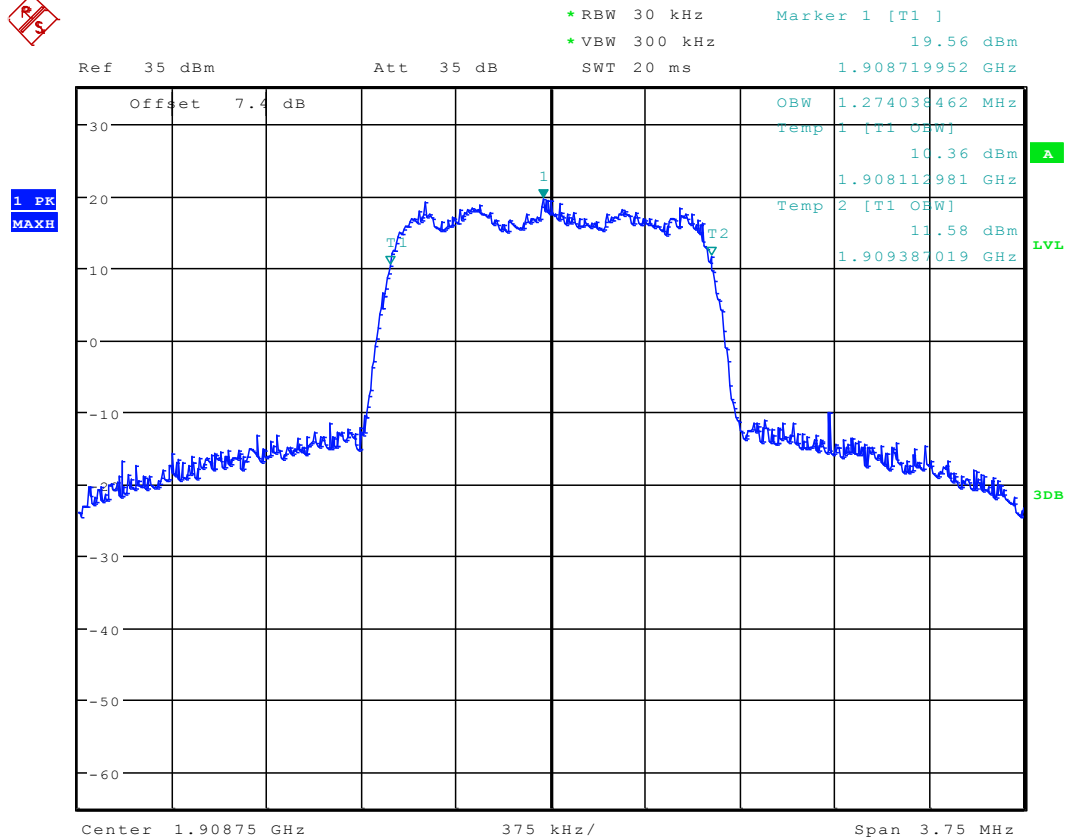
## Channel 1175(EVDO subtype 0)



## Channel 1175



## (EVDO subtype 2)





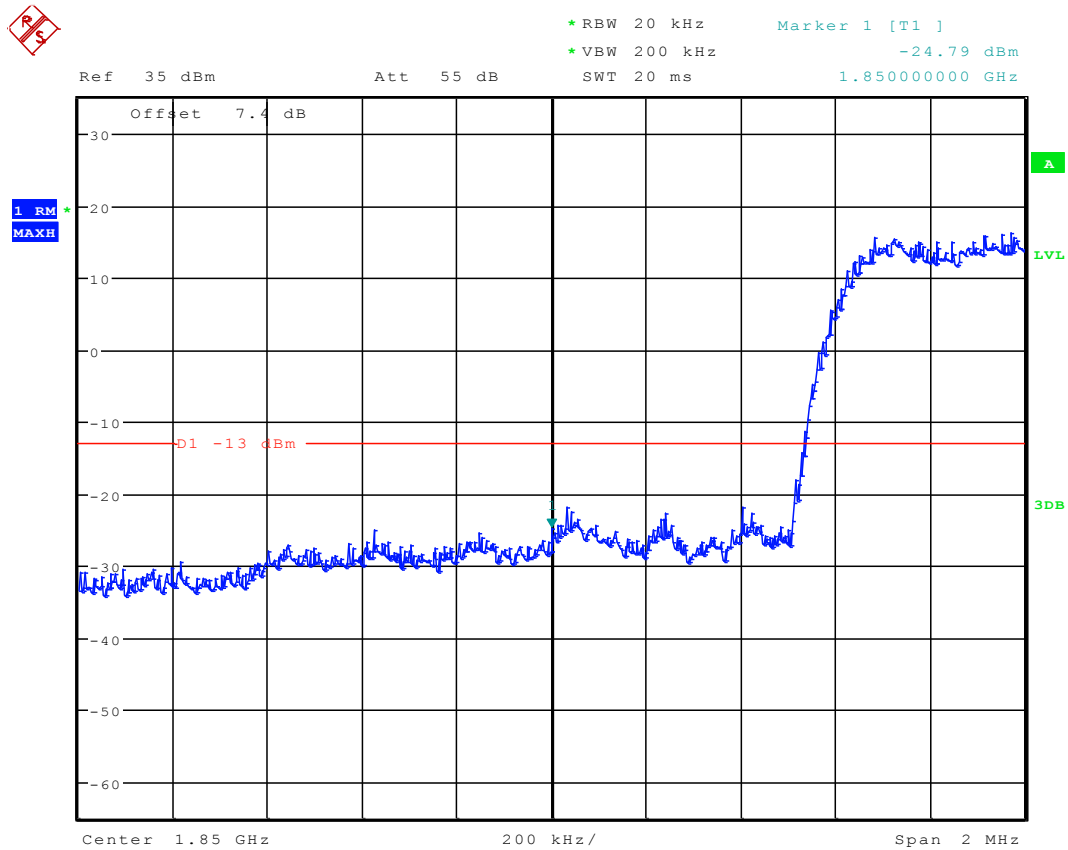
## **Appendix C**

### **Band Edges Compliance** According to FCC Part 2.1051 & 24.238



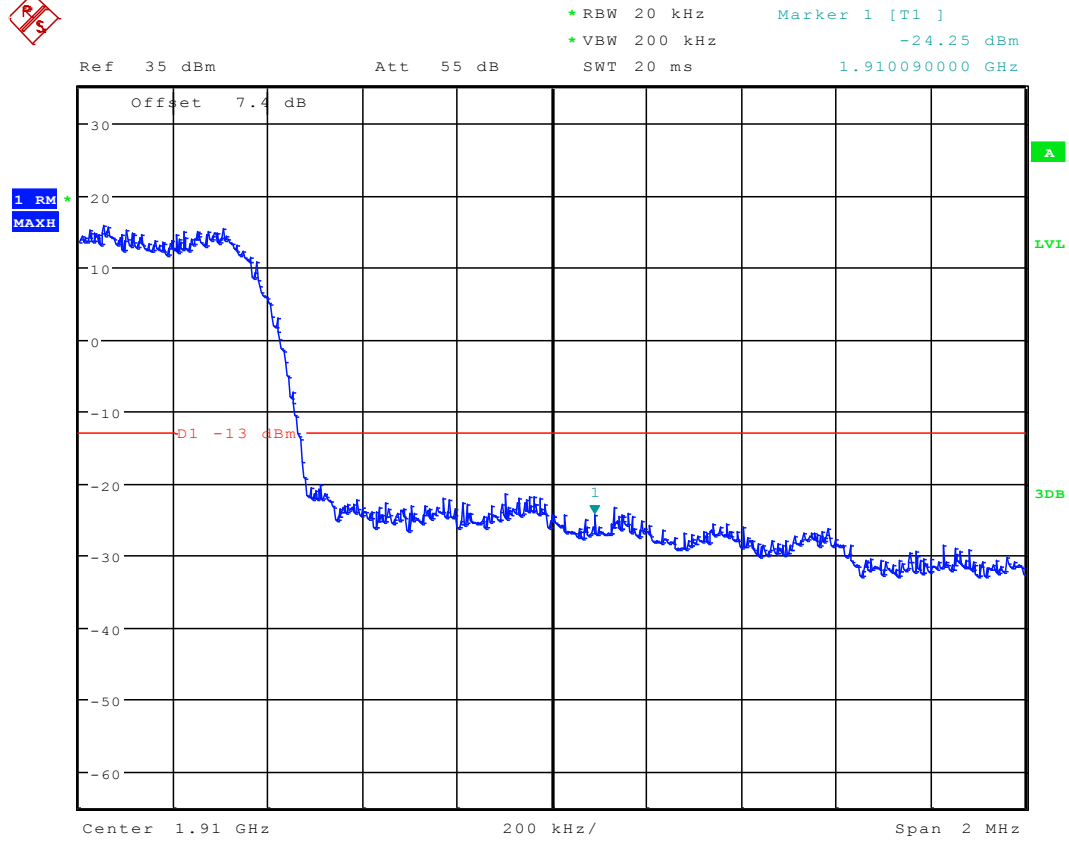
## TM1

### Left Edge (1850 MHz) Channel 25



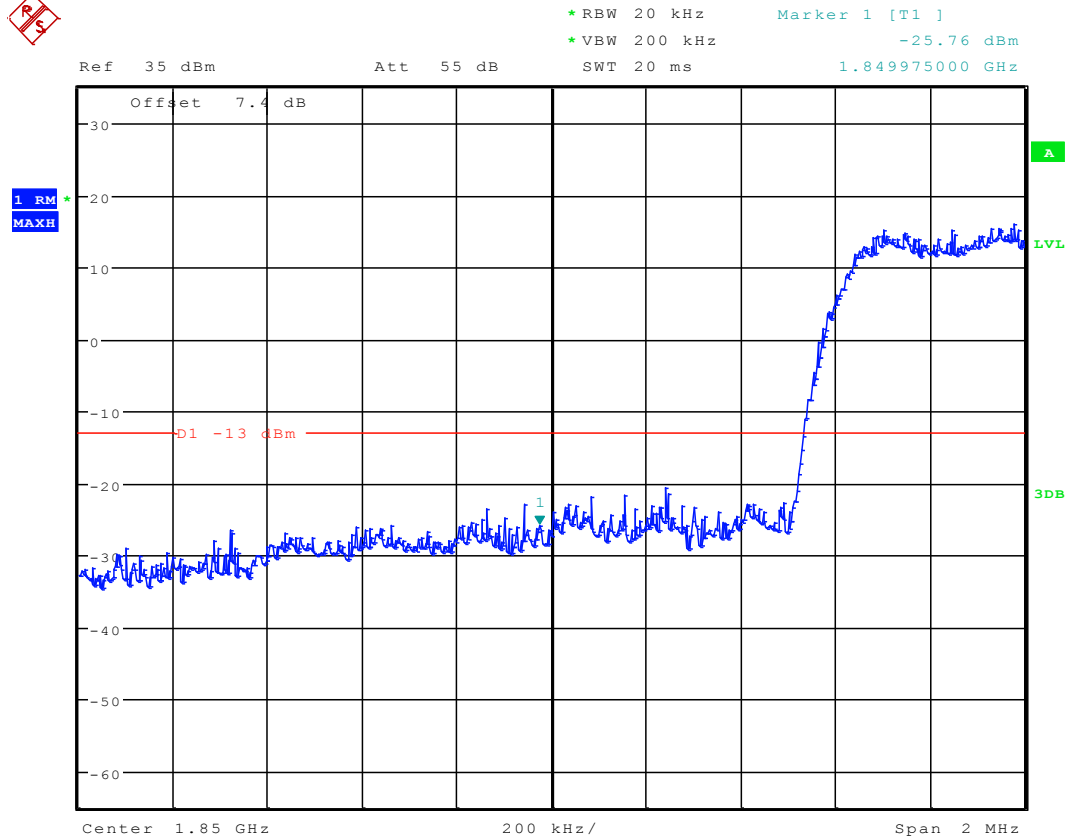


## Right Edge (1910MHz) Channel 1175



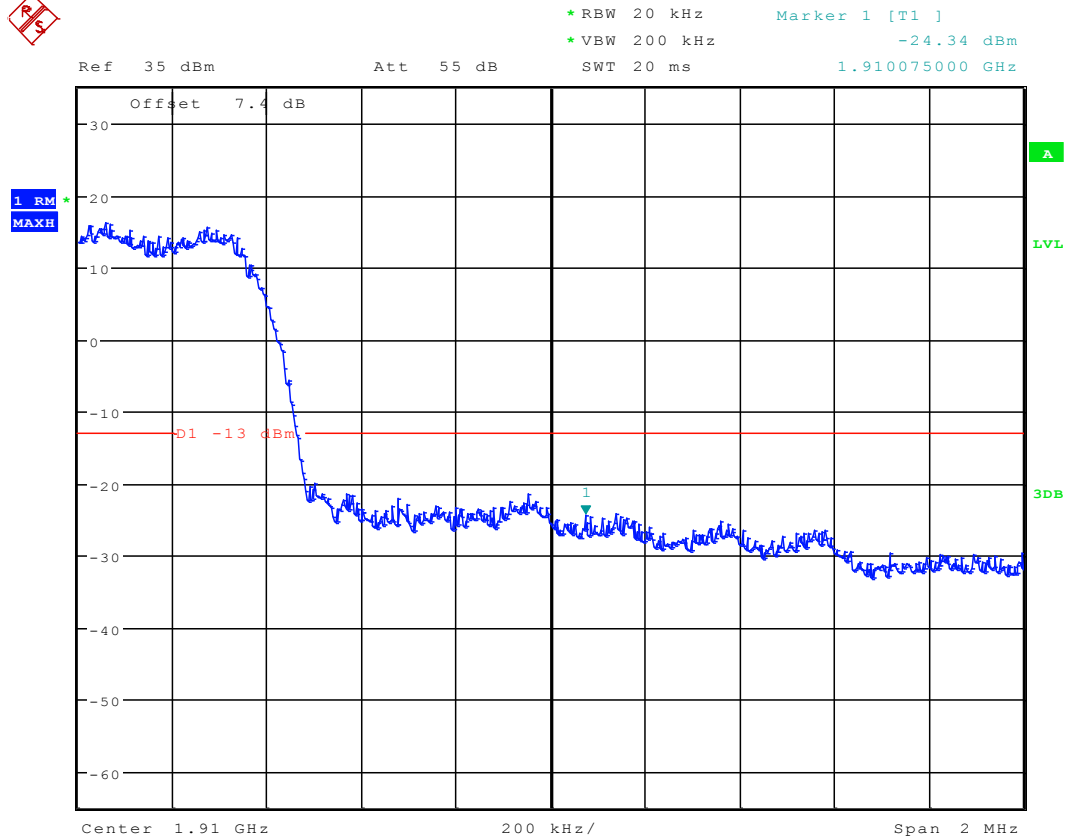


# TM3 Left Edge (1850 MHz) Channel 25





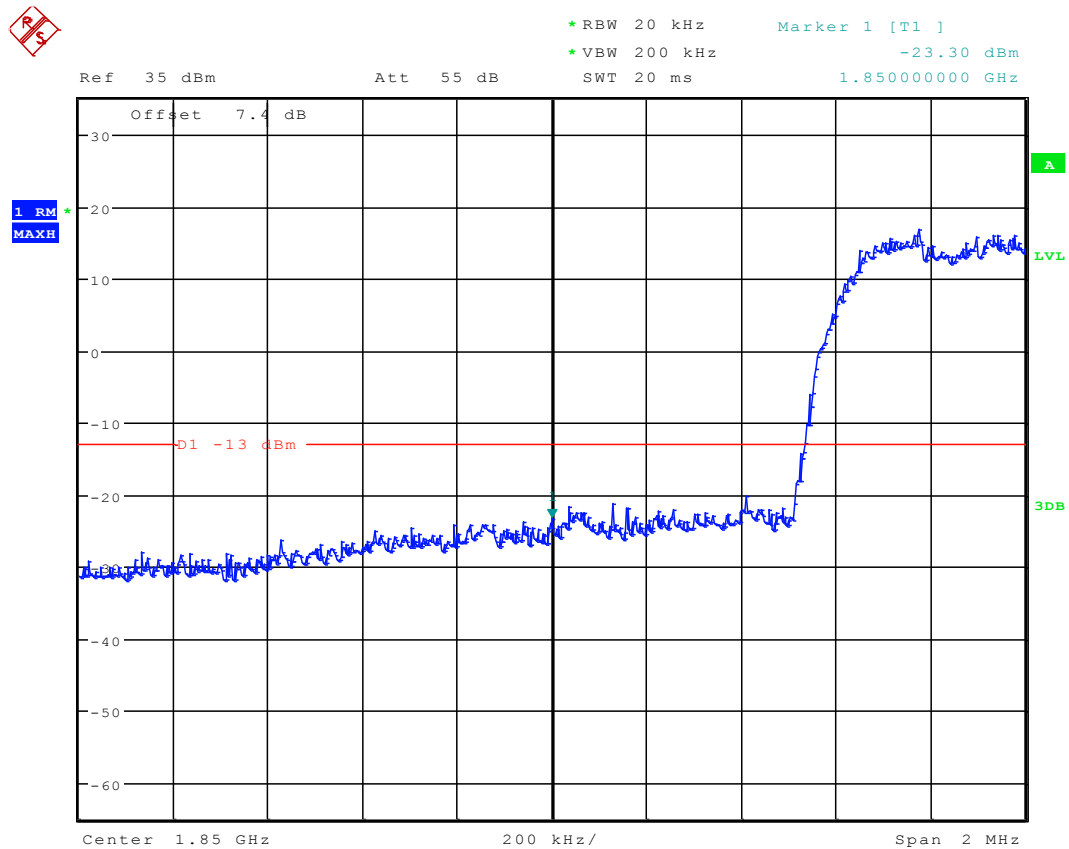
## Right Edge (1910MHz) Channel 1175





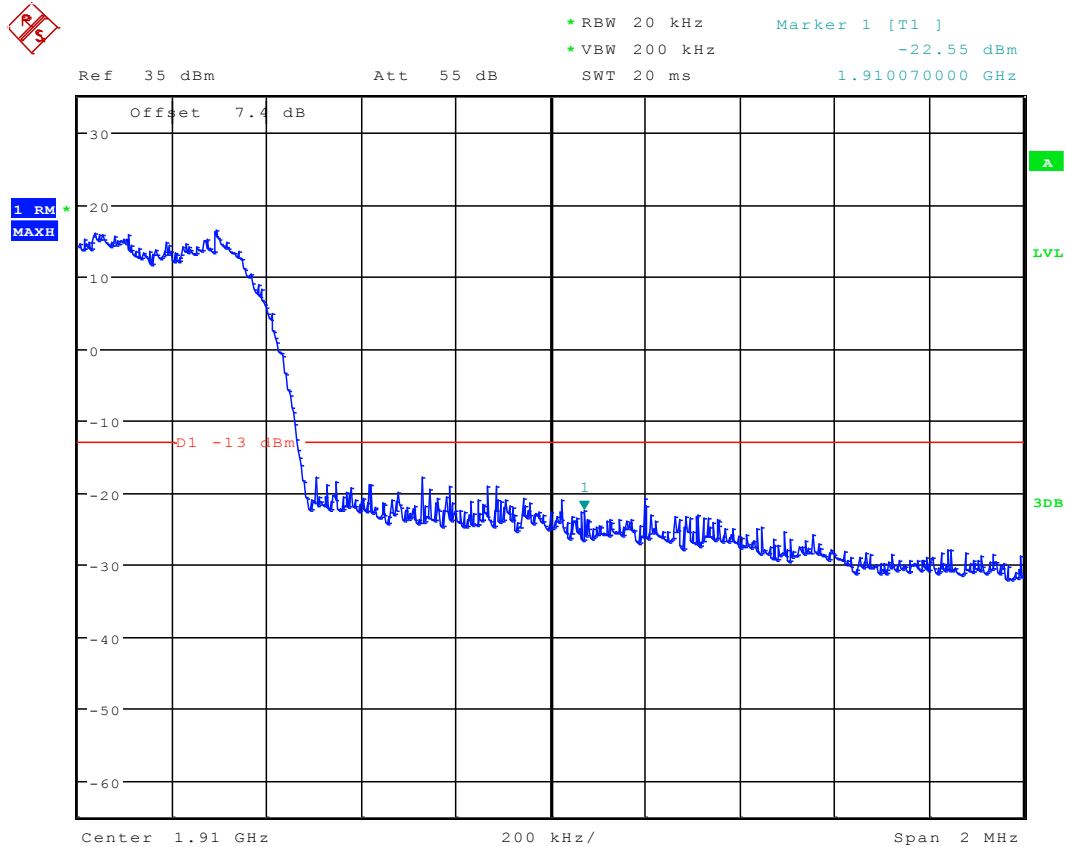
## EVDO subtype 0

### Left Edge (1850 MHz) Channel 25





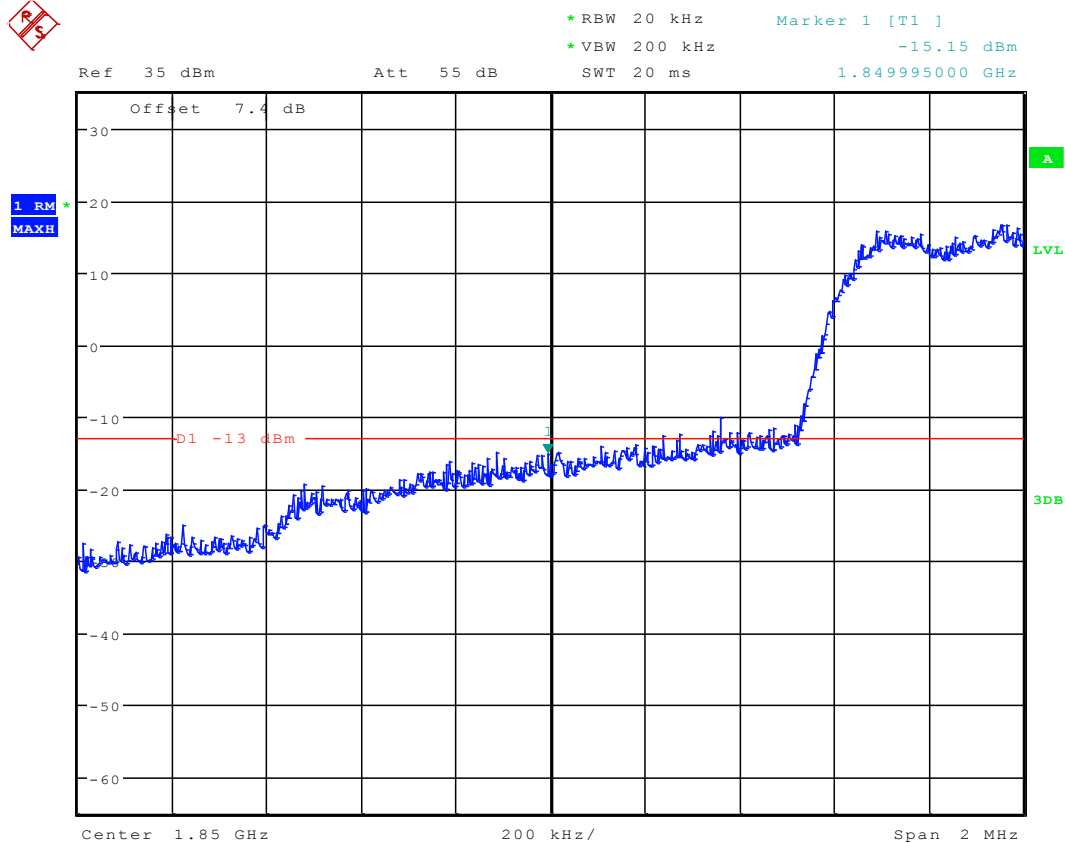
## Right Edge (1910MHz) Channel 1175





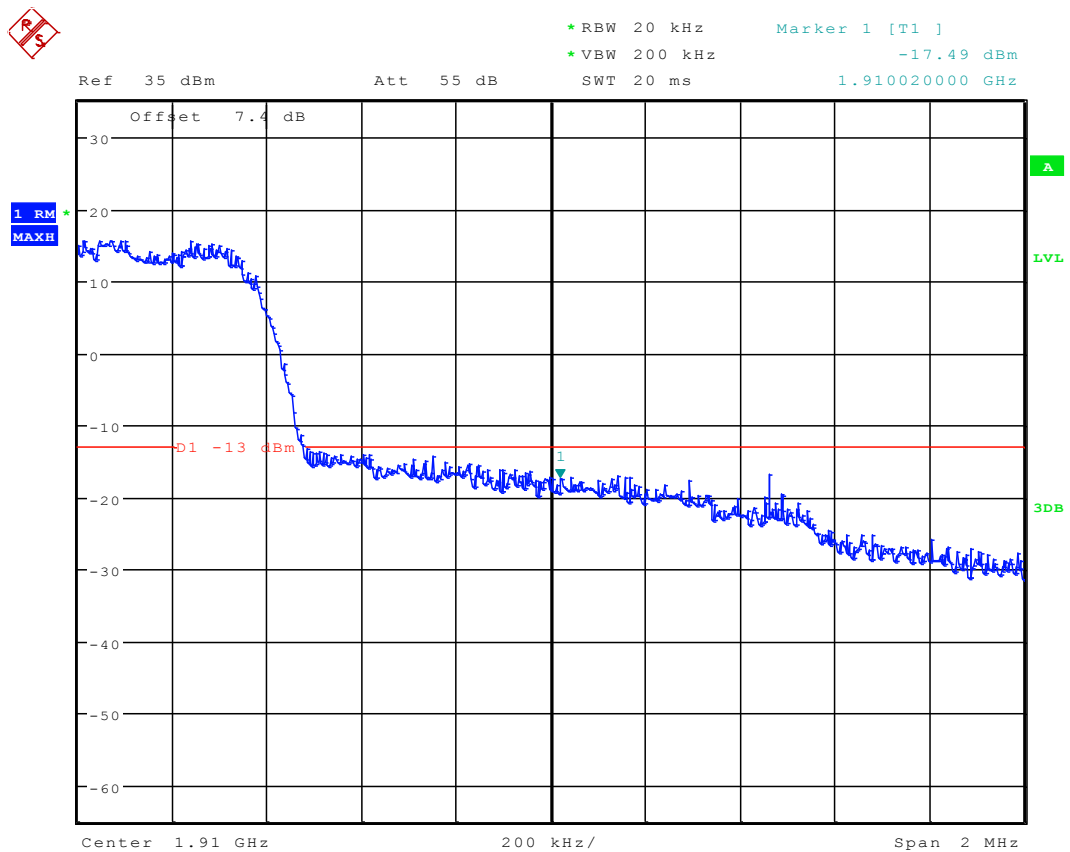
## EVDO subtype 2

**Modulation: BPSK**  
**Left Edge (1850 MHz)**  
**Channel 25**





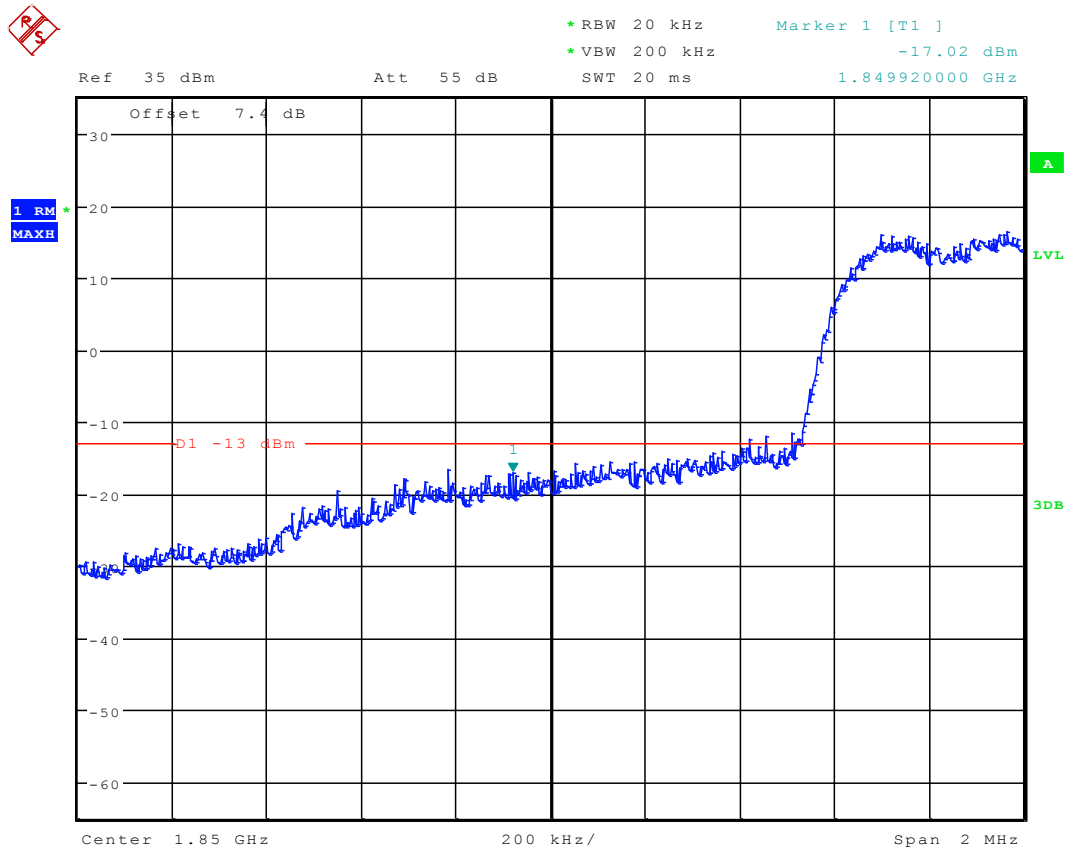
## Right Edge (1910MHz) Channel 1175





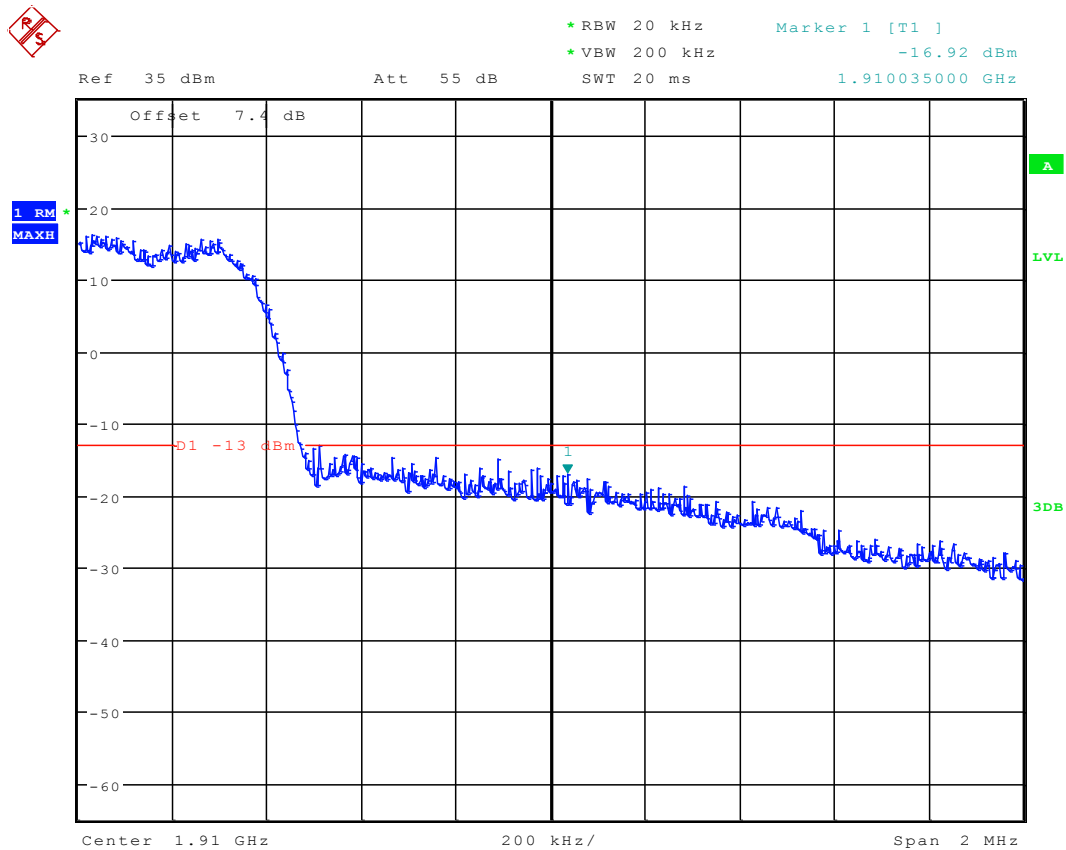
## Modulation: QPSK

### Left Edge (1850 MHz) Channel 25



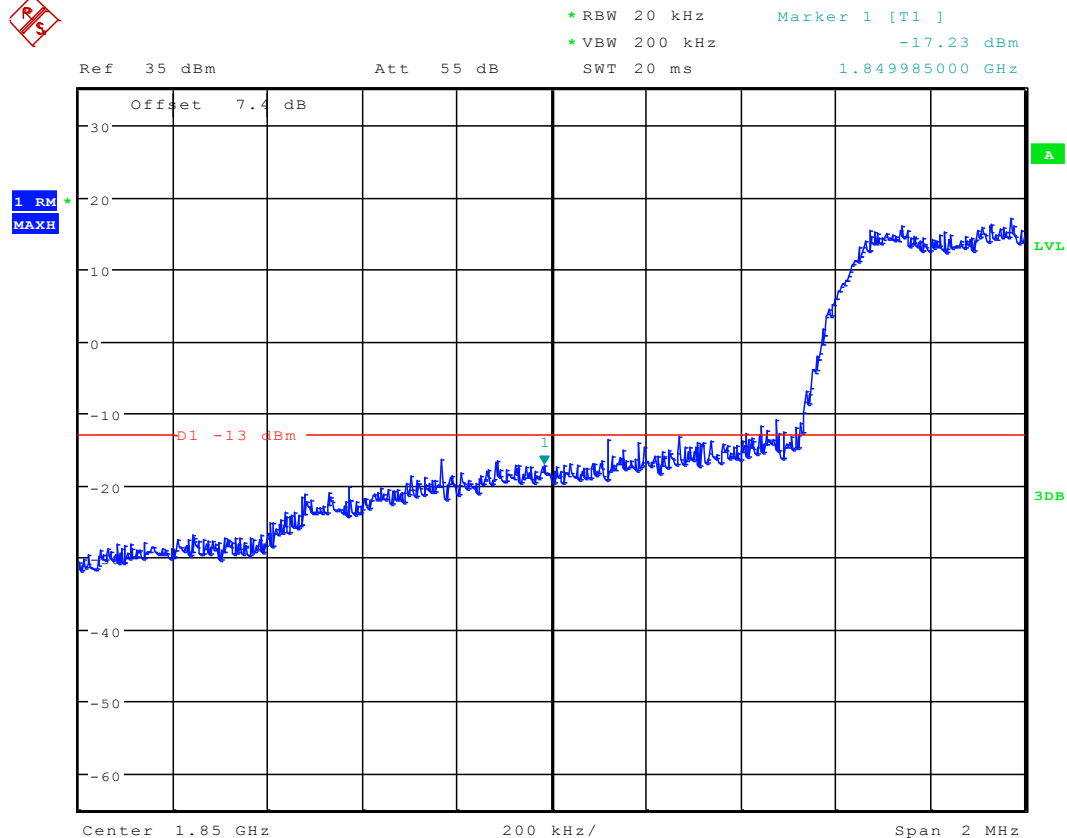


## Right Edge (1910MHz) Channel 1175



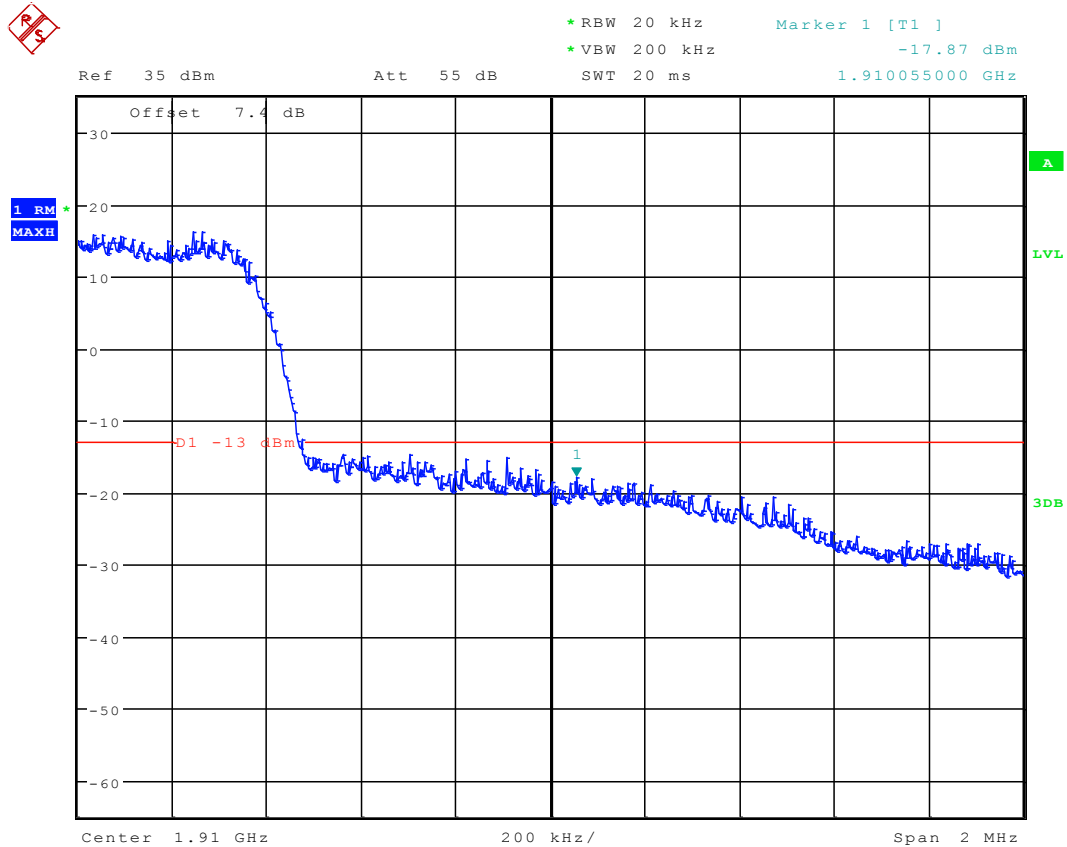


**Modulation: 8PSK**  
**Left Edge (1850 MHz)**  
**Channel 25**





## Right Edge (1910MHz) Channel 1175





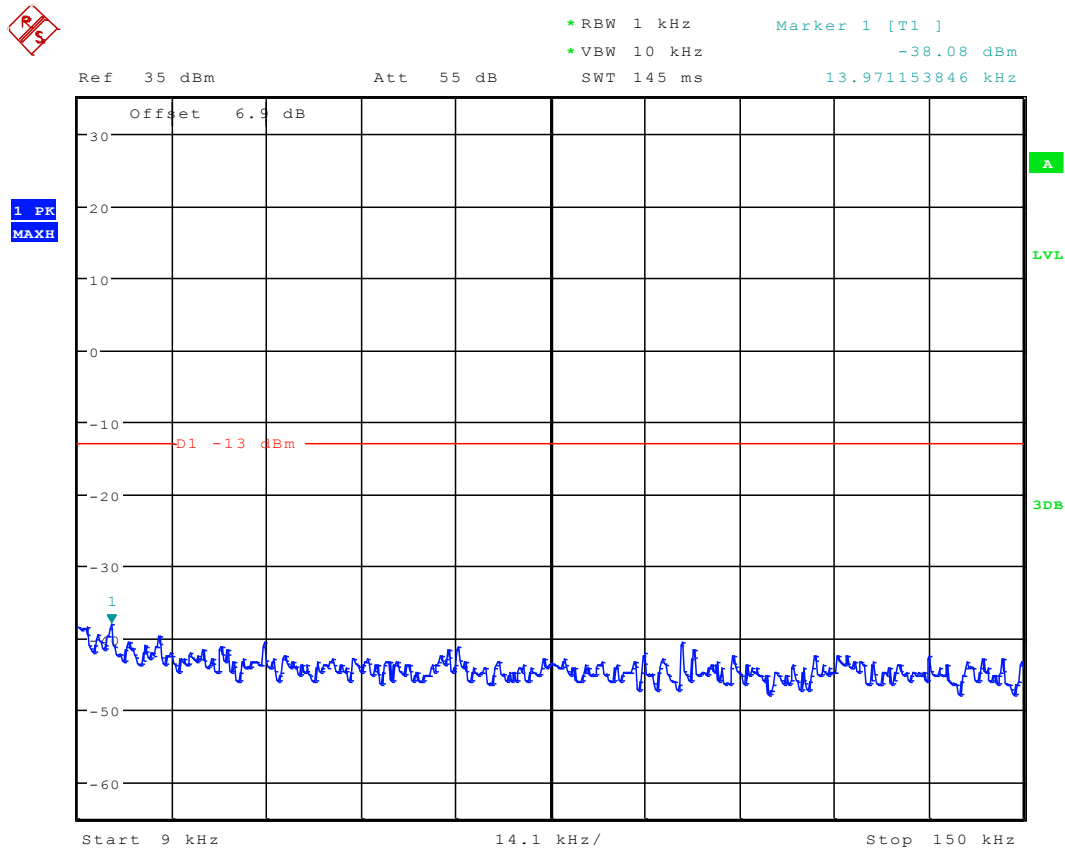
## **Appendix D**

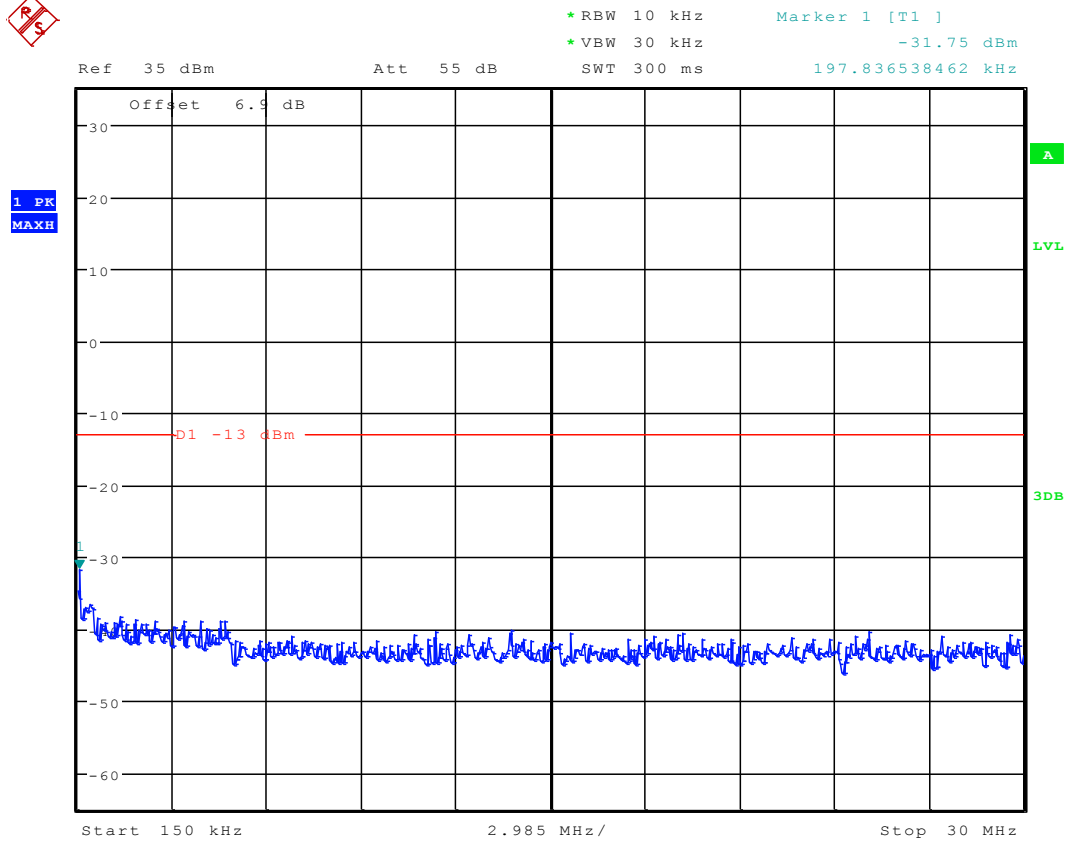
# Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & 24.238



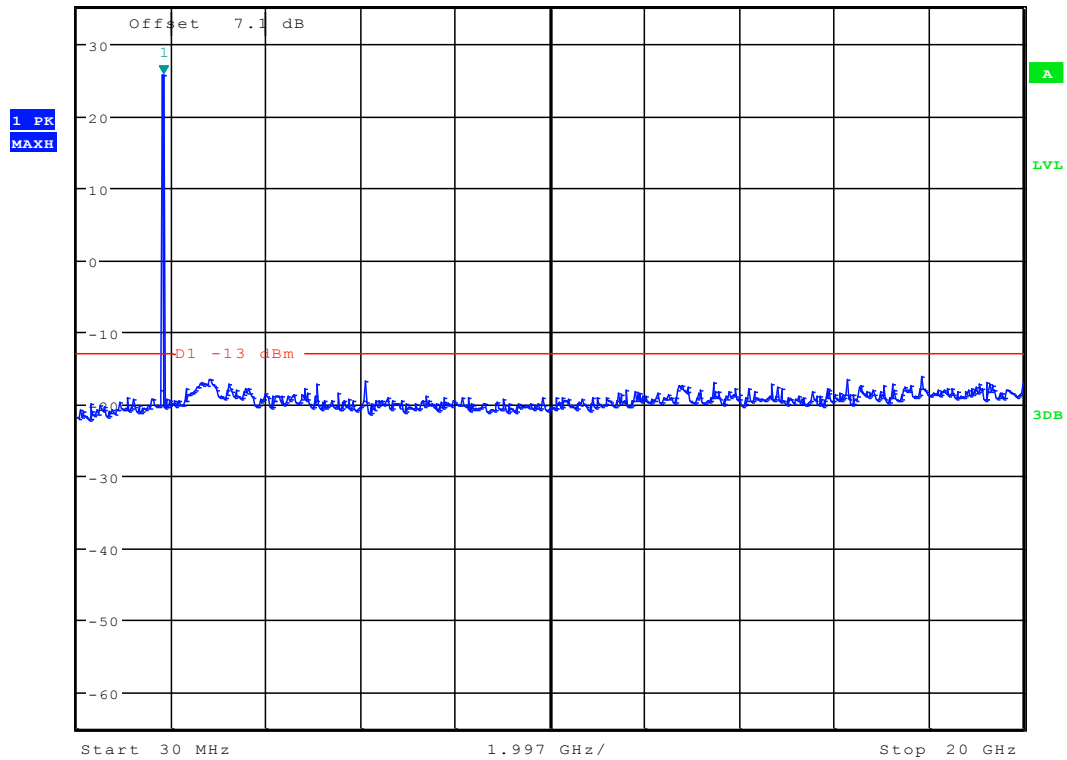
## TM1 Channel 25



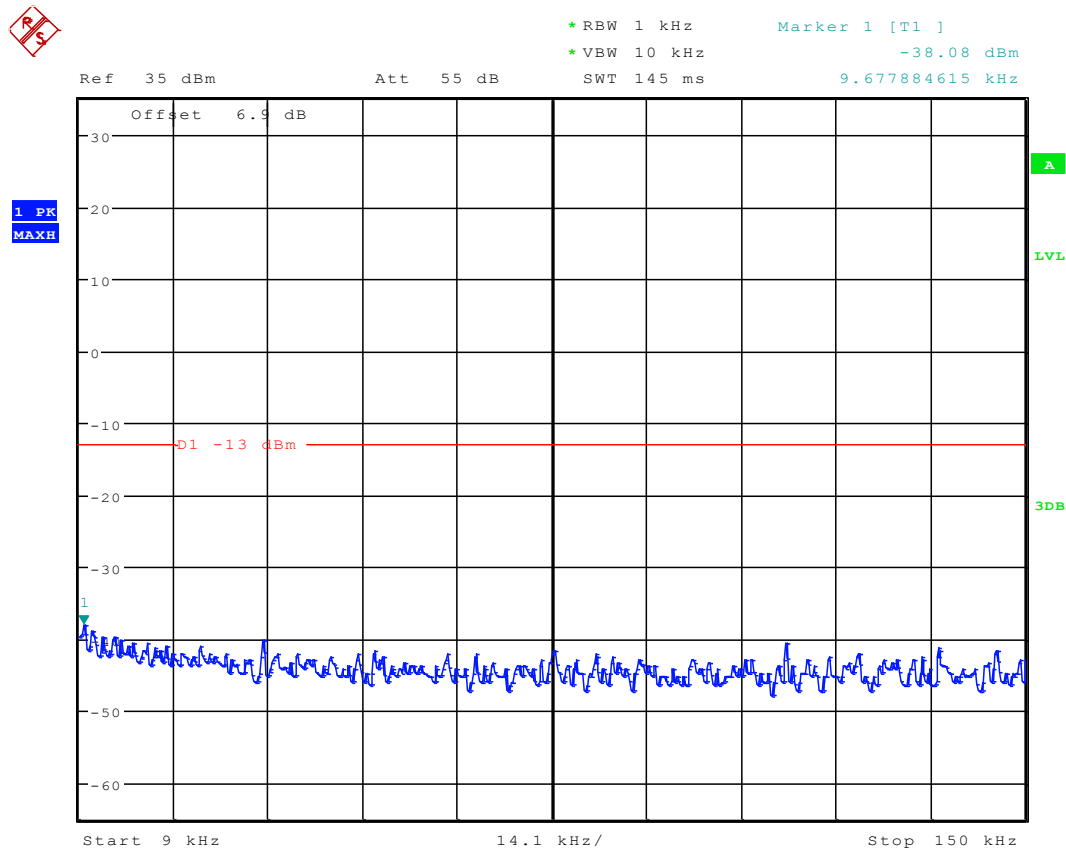


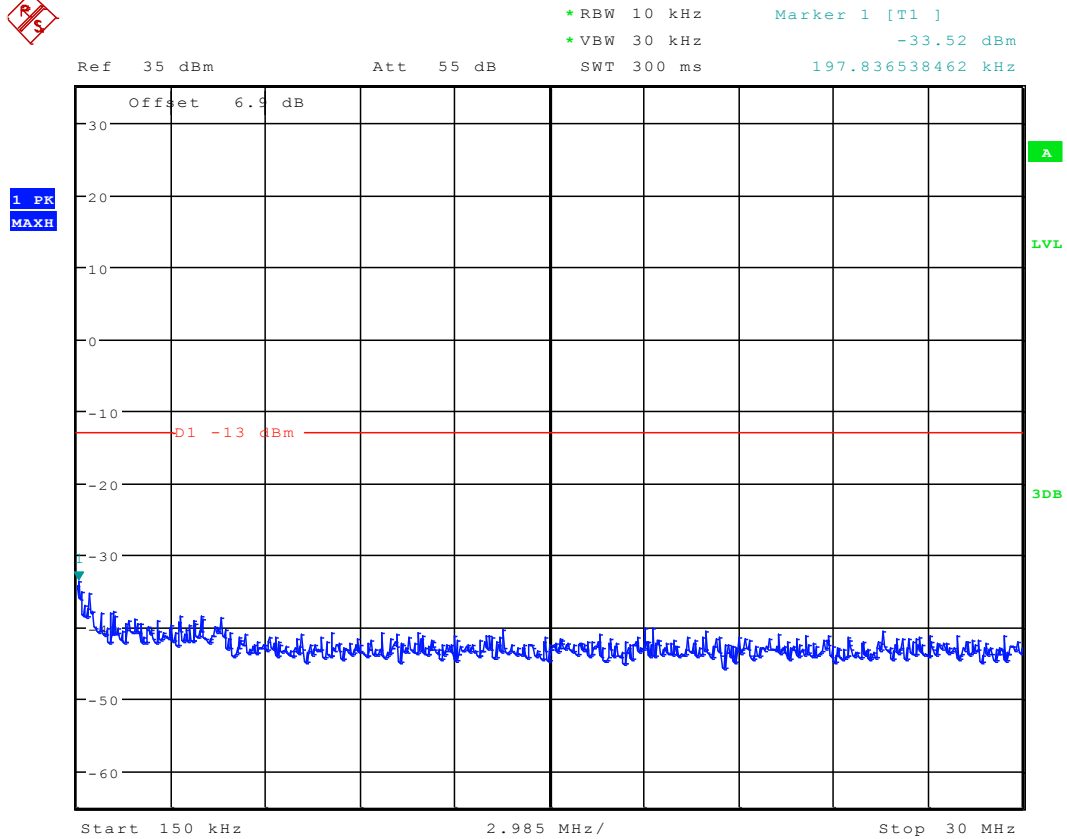


|     |        |     |       |     |        |                 |
|-----|--------|-----|-------|-----|--------|-----------------|
| Ref | 35 dBm | Att | 55 dB | SWT | 115 ms | 1.854182692 GHz |
|-----|--------|-----|-------|-----|--------|-----------------|



## Channel 600

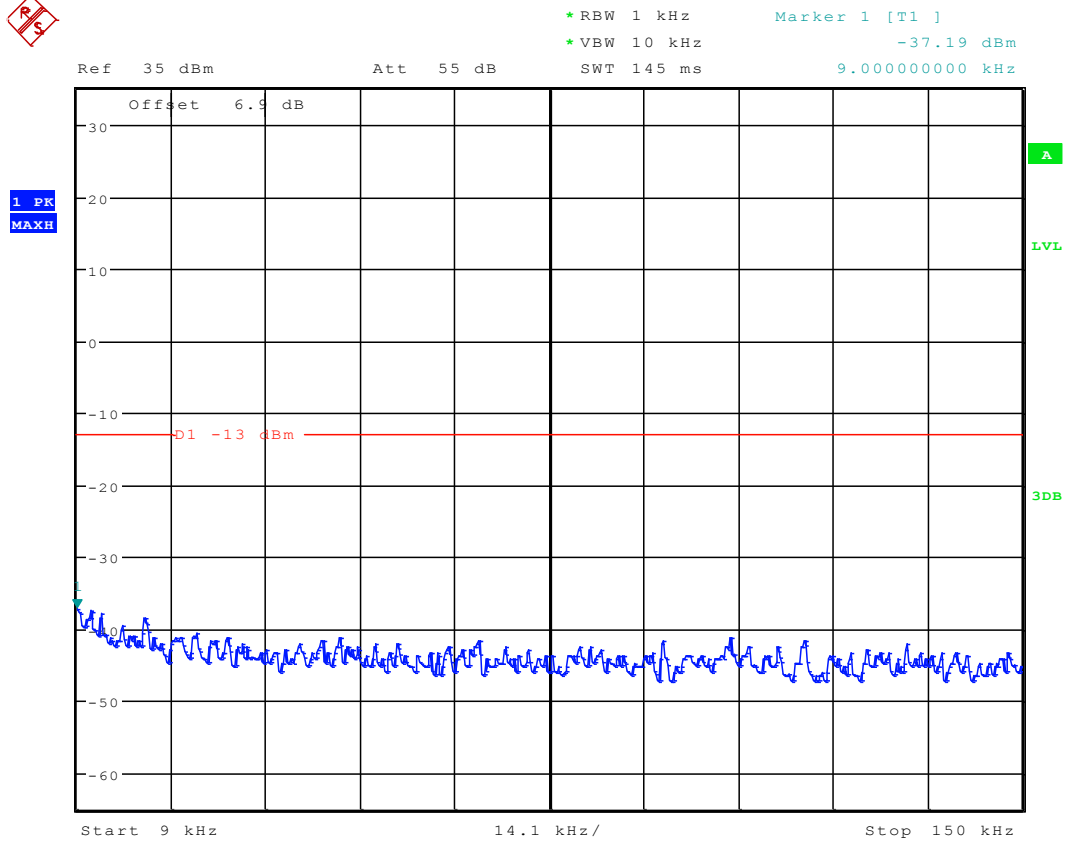


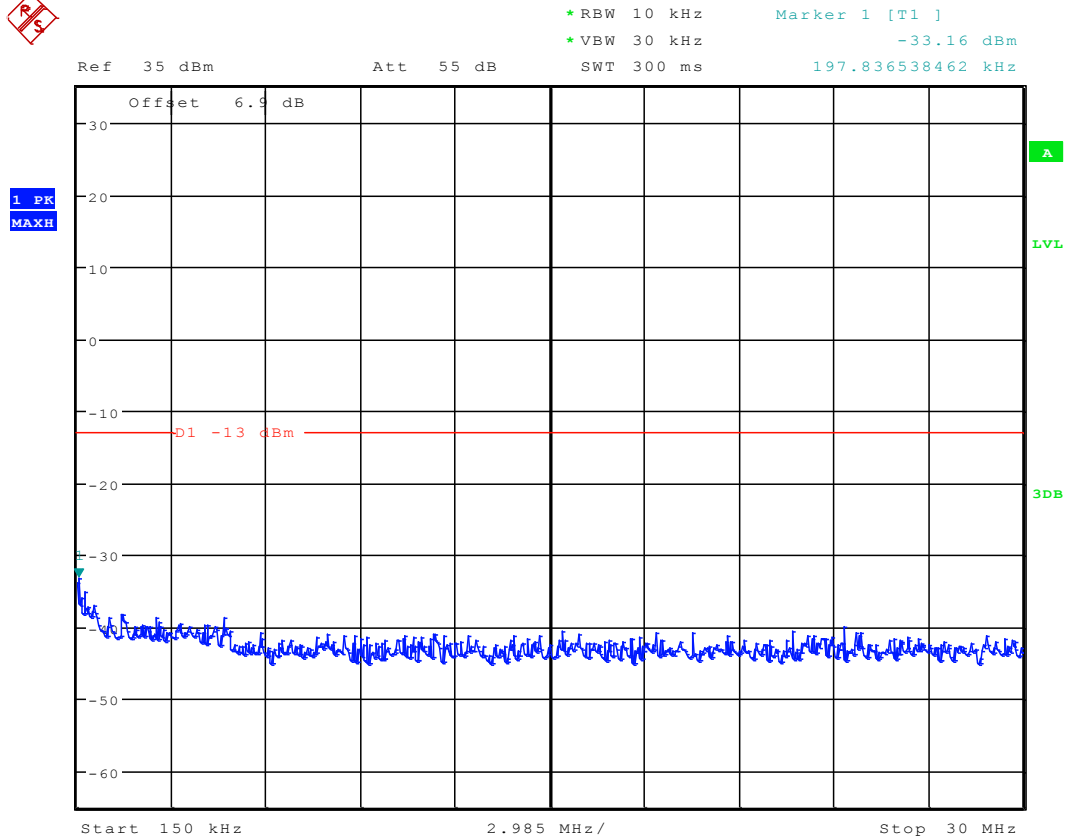


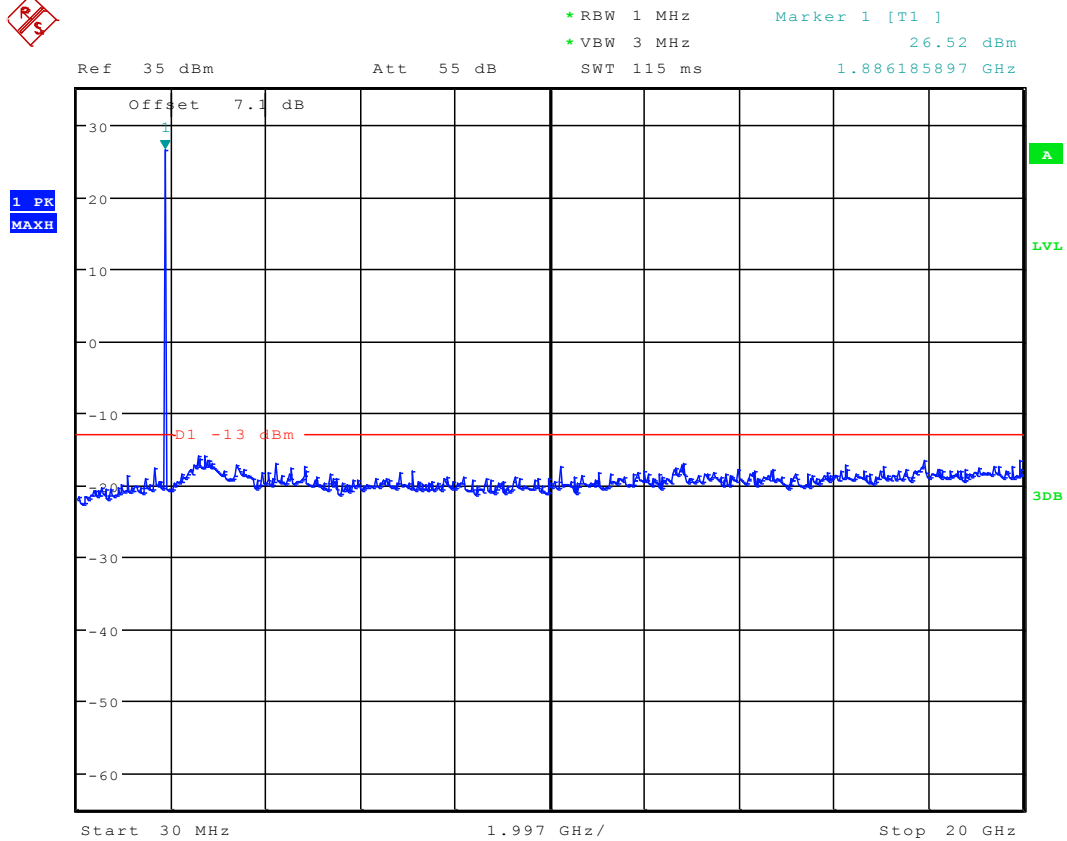




## Channel 1175



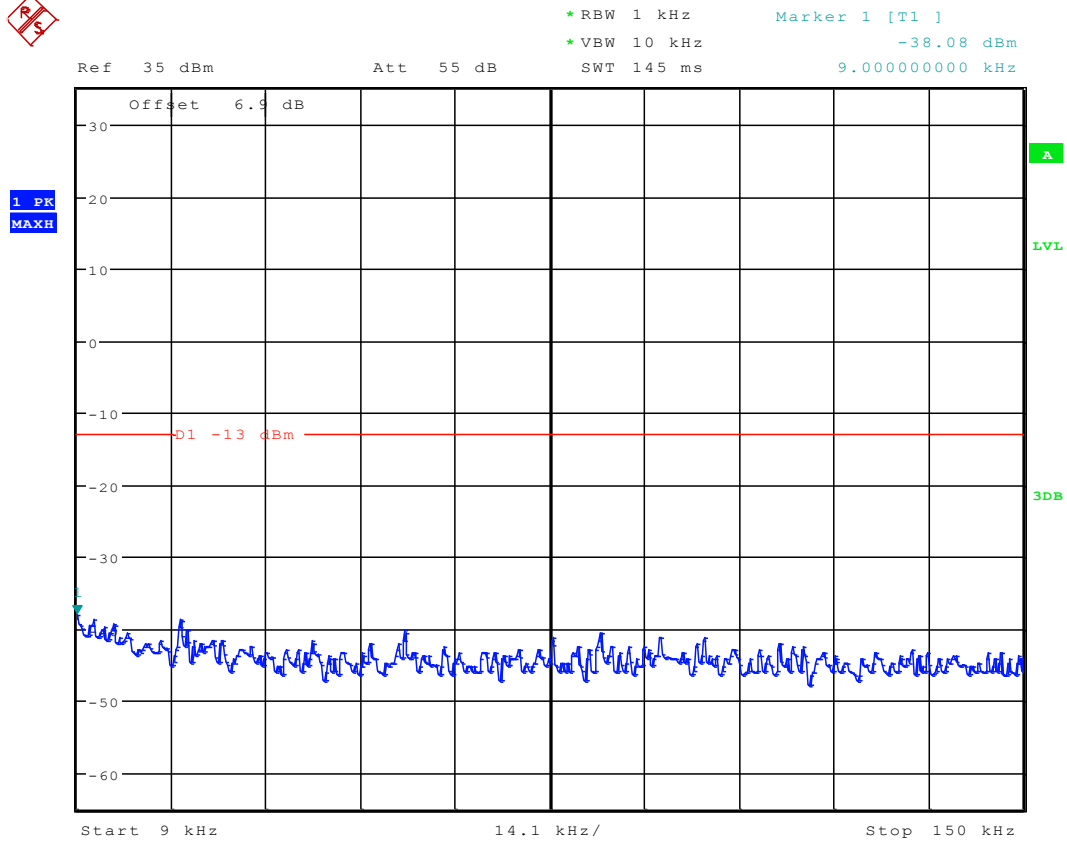






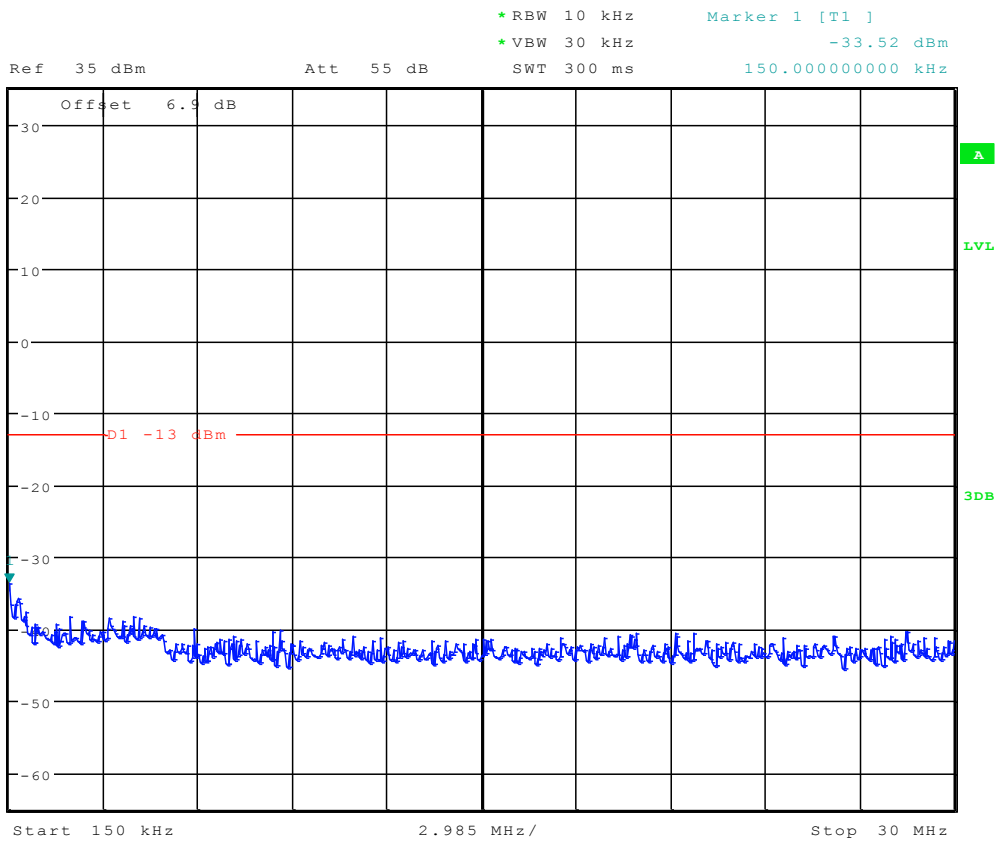
## TM3

### Channel 25





1 PK  
MAXH





Offset 7.1 dB

Att 55 dB

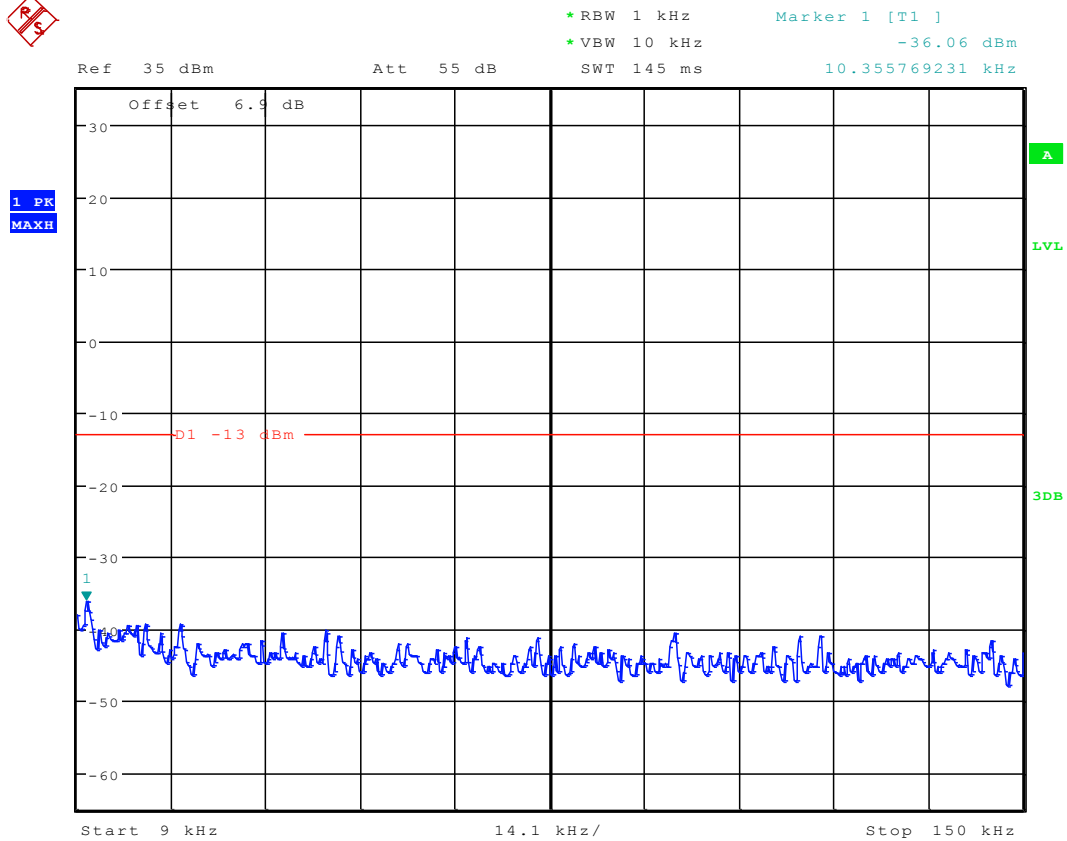
Start 30 MHz

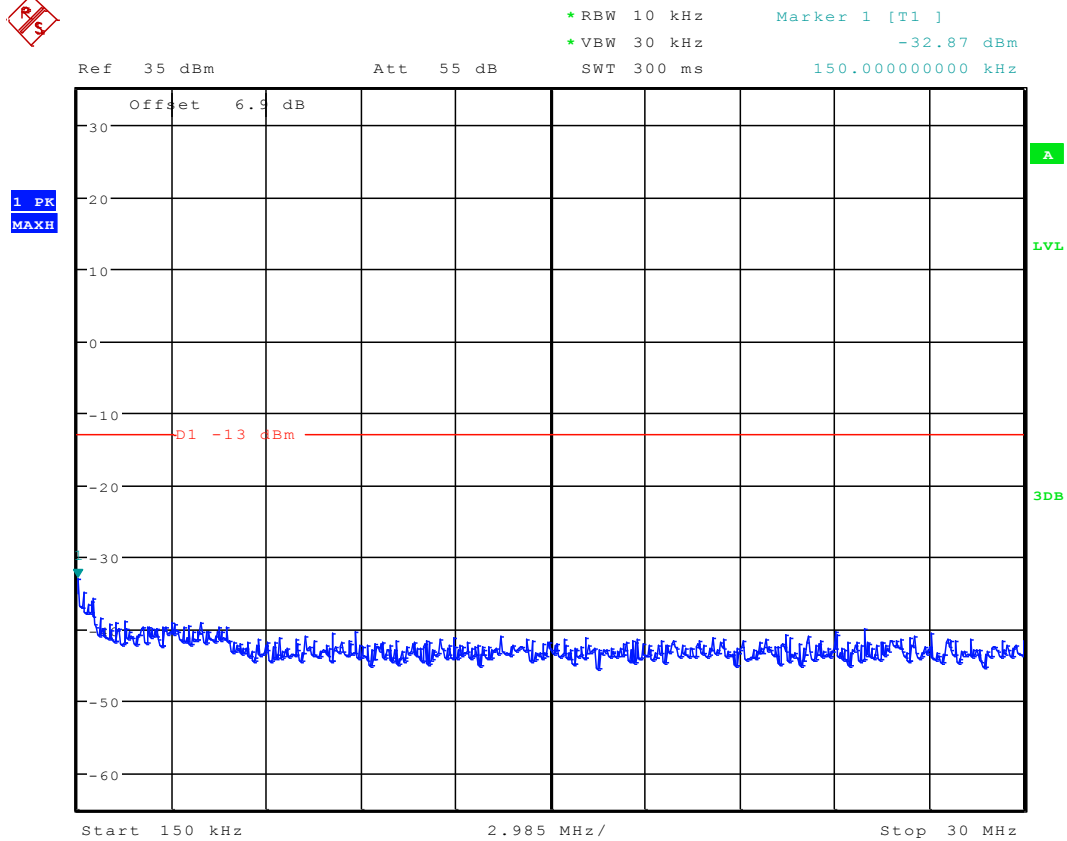
1.997 GHz/

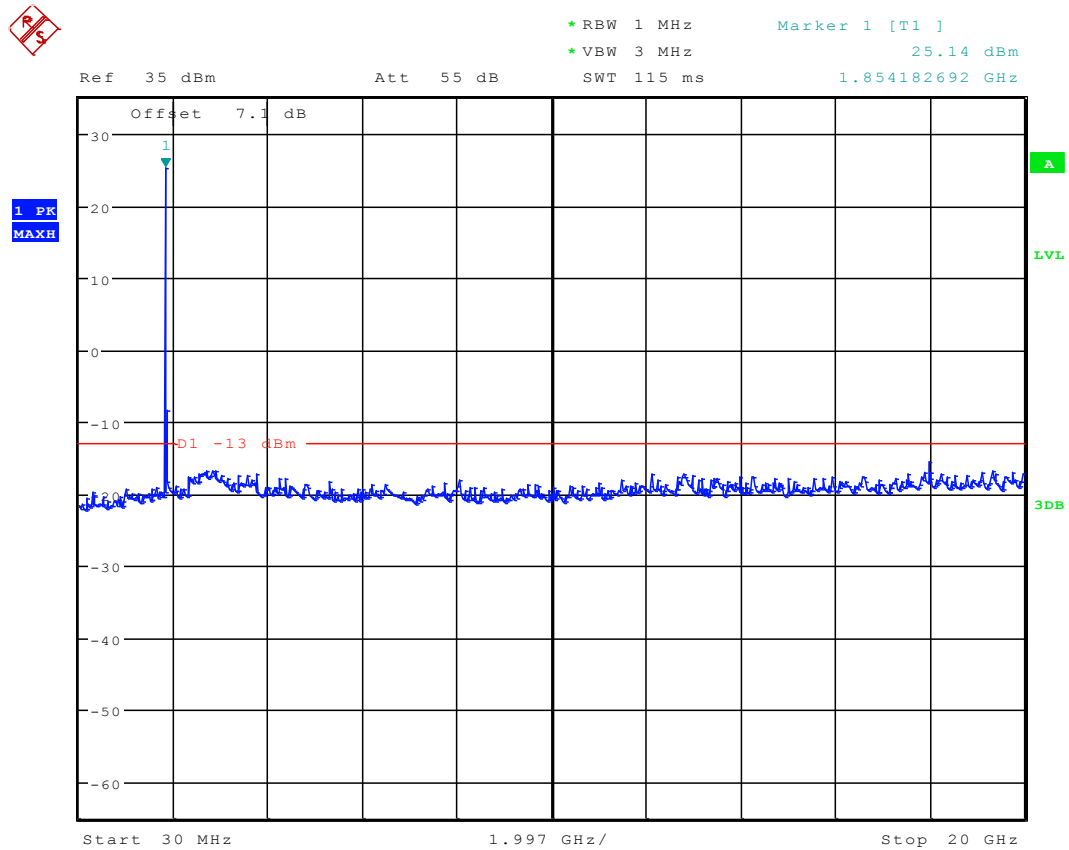
Stop 20 GHz



## Channel 600

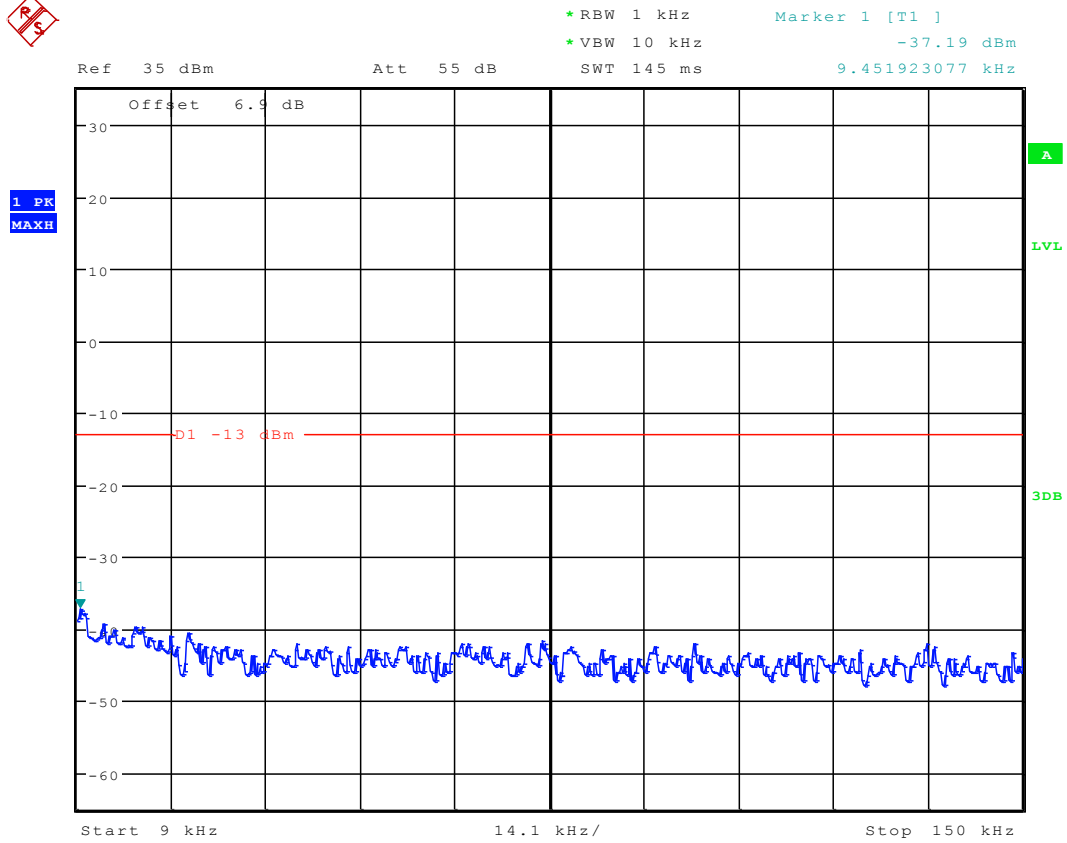


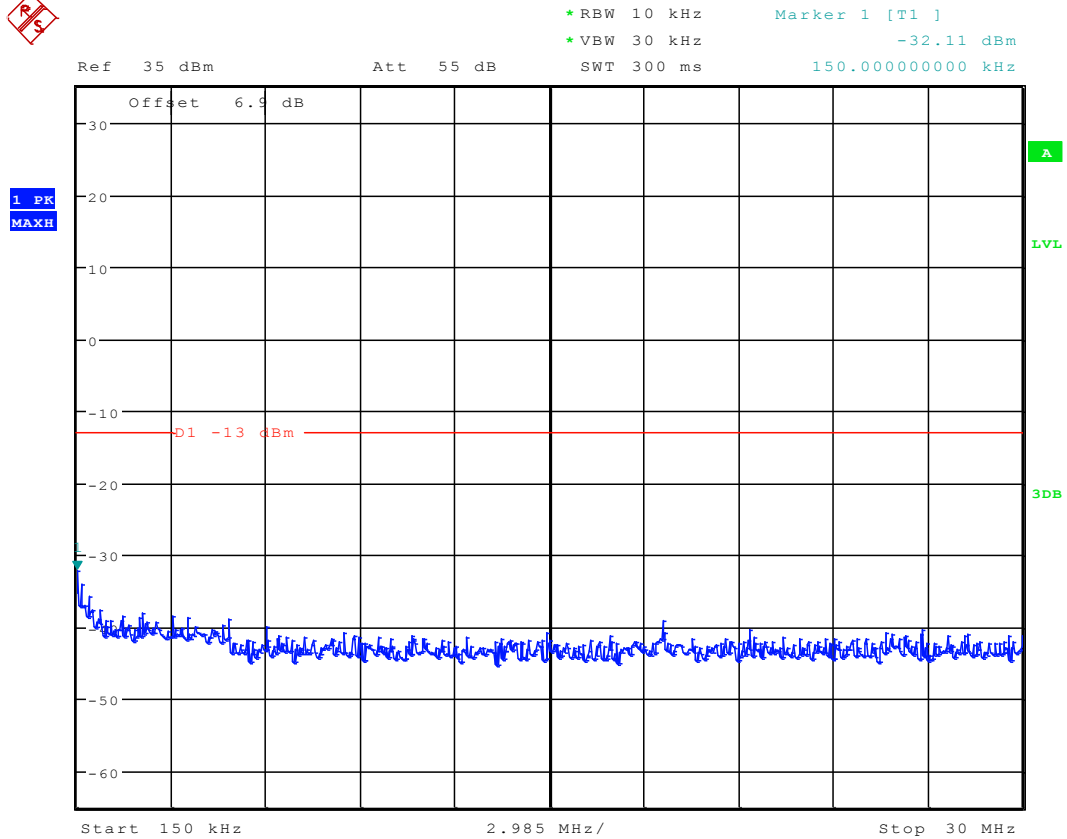






## Channel 1175

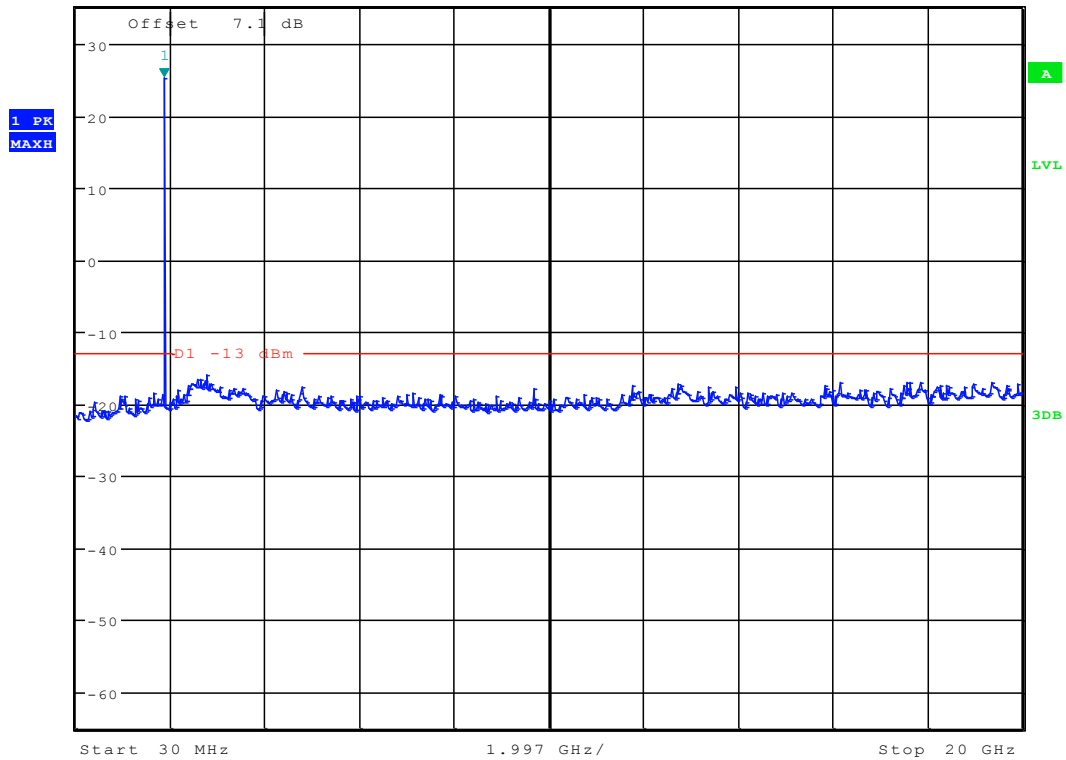






```
* RBW 1 MHz           Marker 1 [T1 ]
* VBW 3 MHz           25.31 dBm
SWT 115 ms           1.886185897 GHz
```

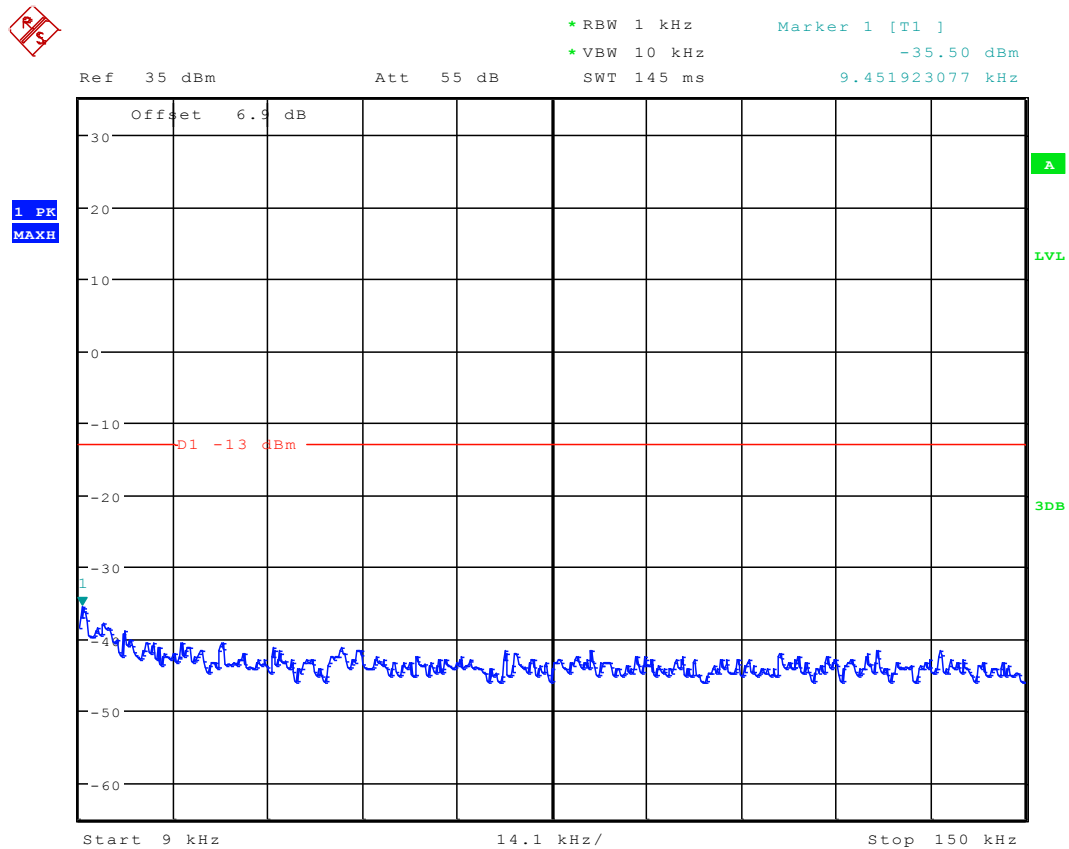
|     |        |     |       |     |        |                 |
|-----|--------|-----|-------|-----|--------|-----------------|
| Ref | 35 dBm | Att | 55 dB | SWT | 115 ms | 1.886185897 GHz |
|-----|--------|-----|-------|-----|--------|-----------------|

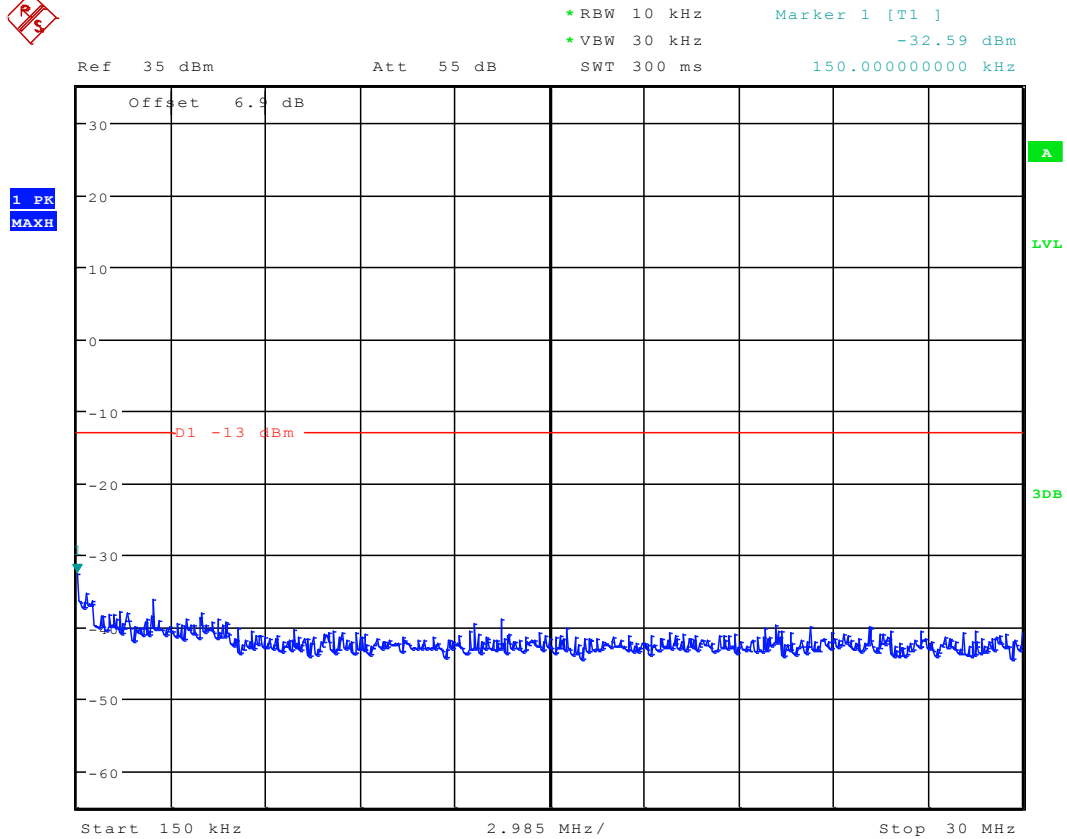




## EVDO subtype 0

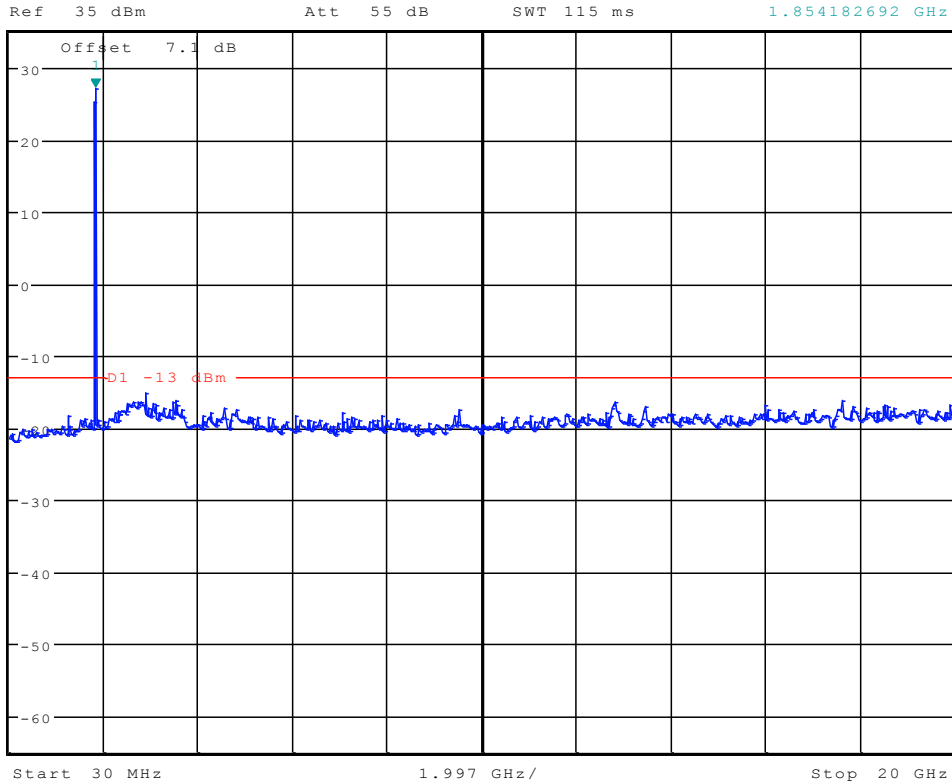
### Channel 25





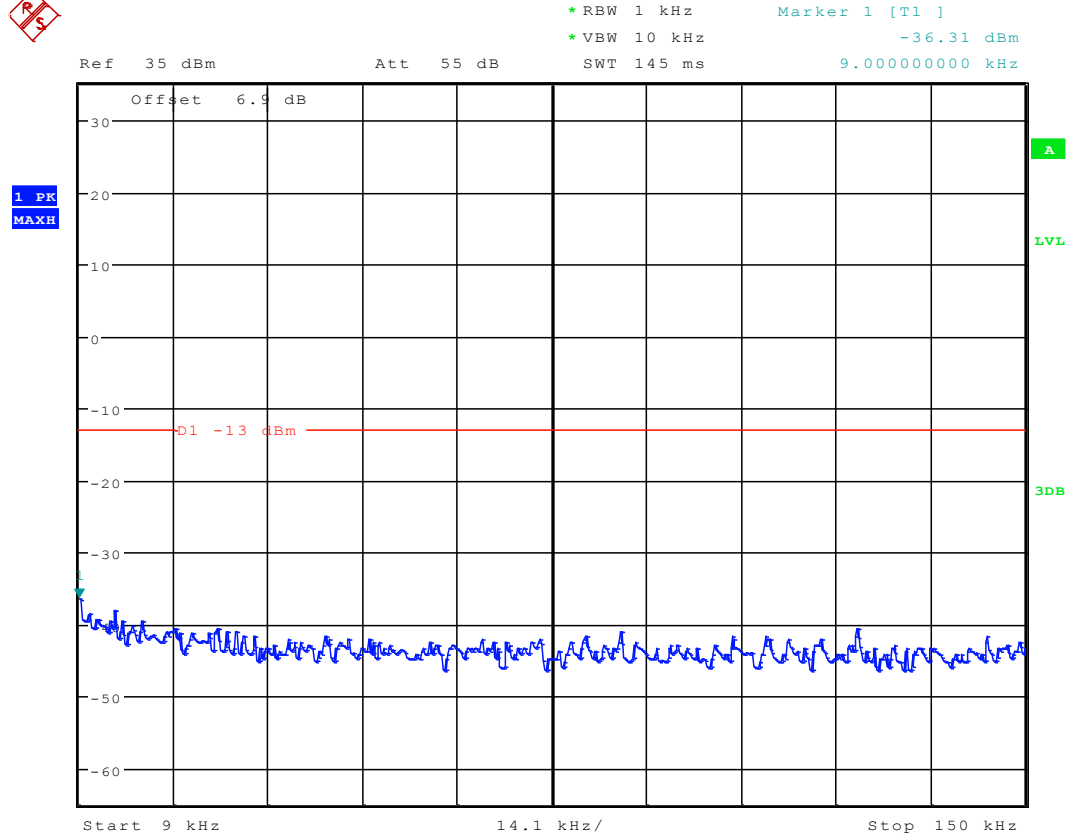


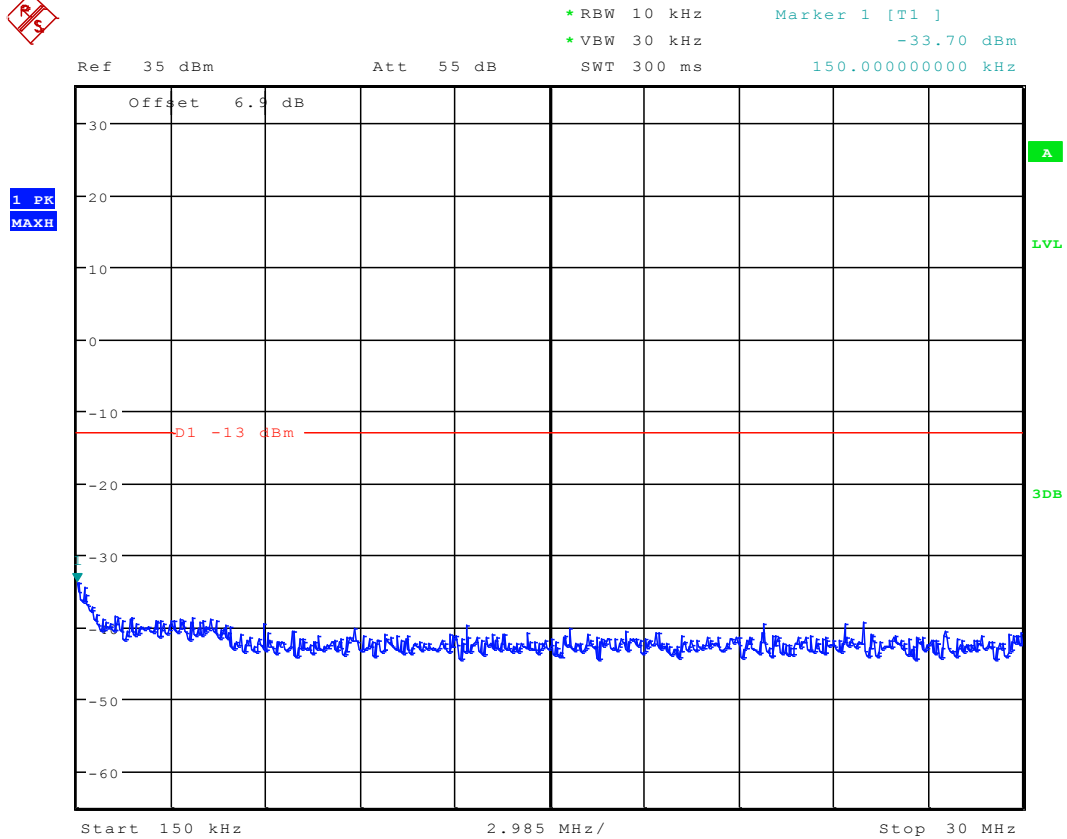
```
* RBW 1 MHz           Marker 1 [T1 ]
* VBW 3 MHz           27.09 dBm
SWT 115 ms           1.854182692 GHz
```

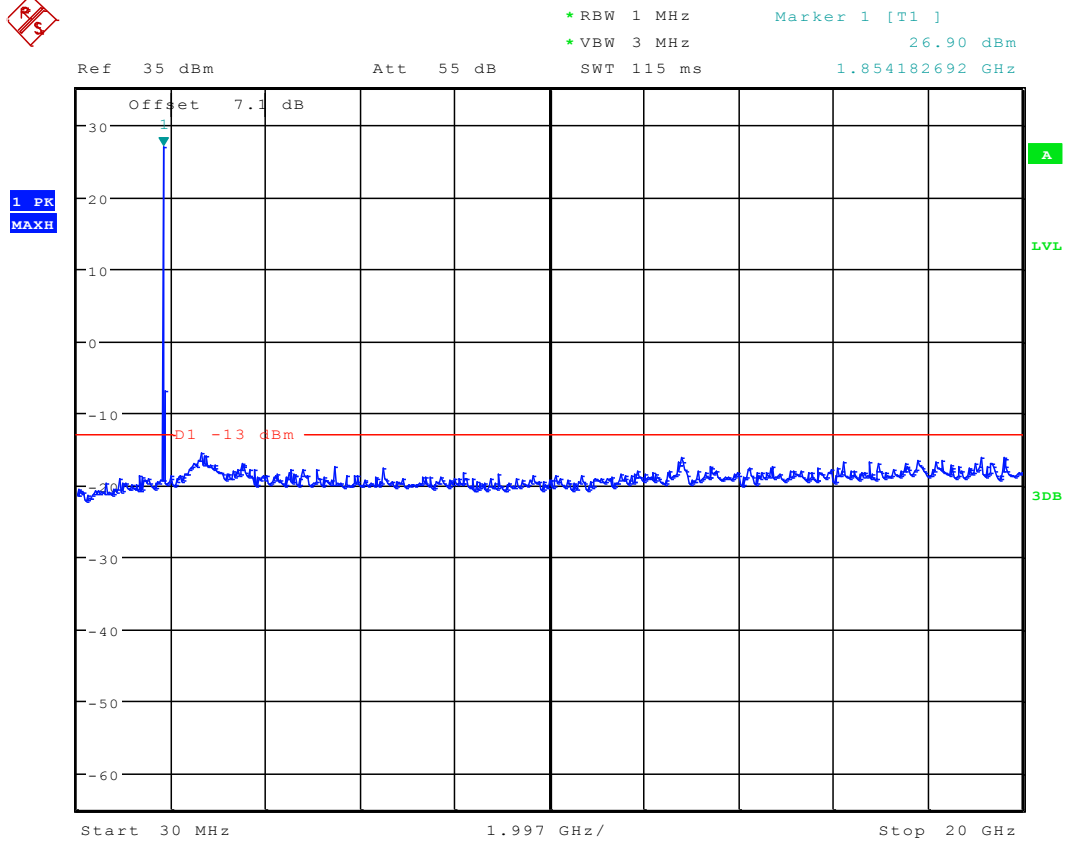




## Channel 600

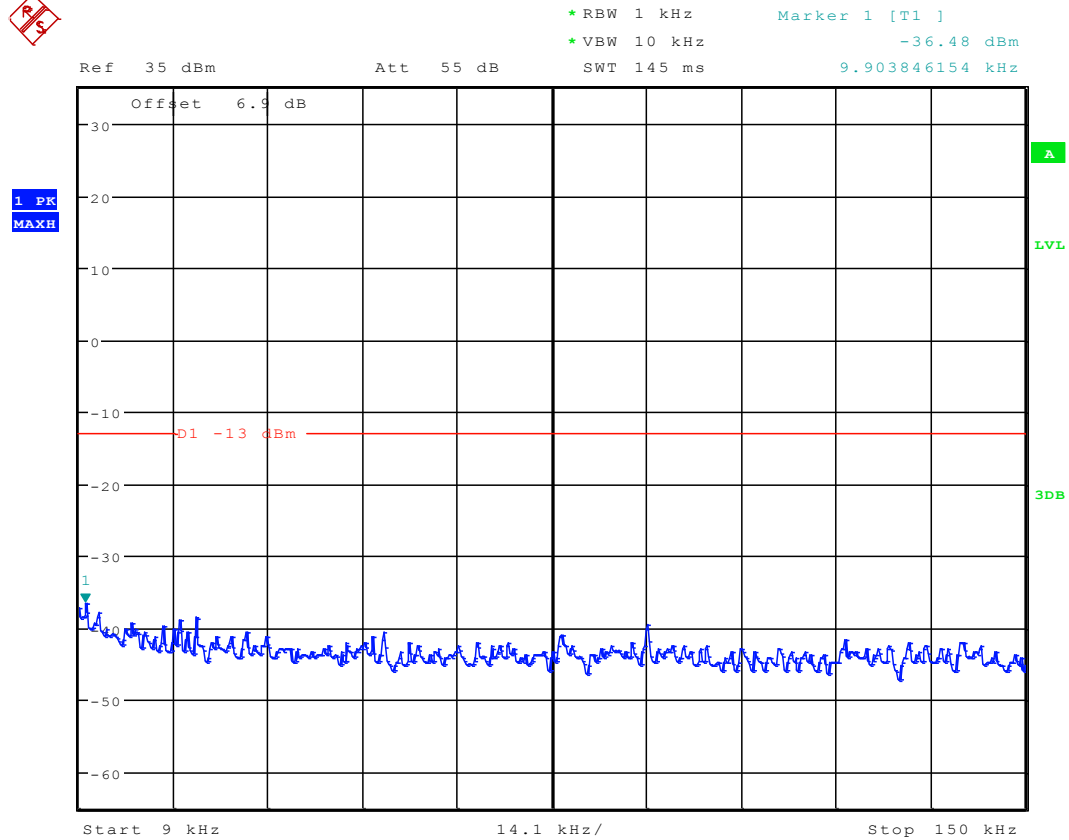


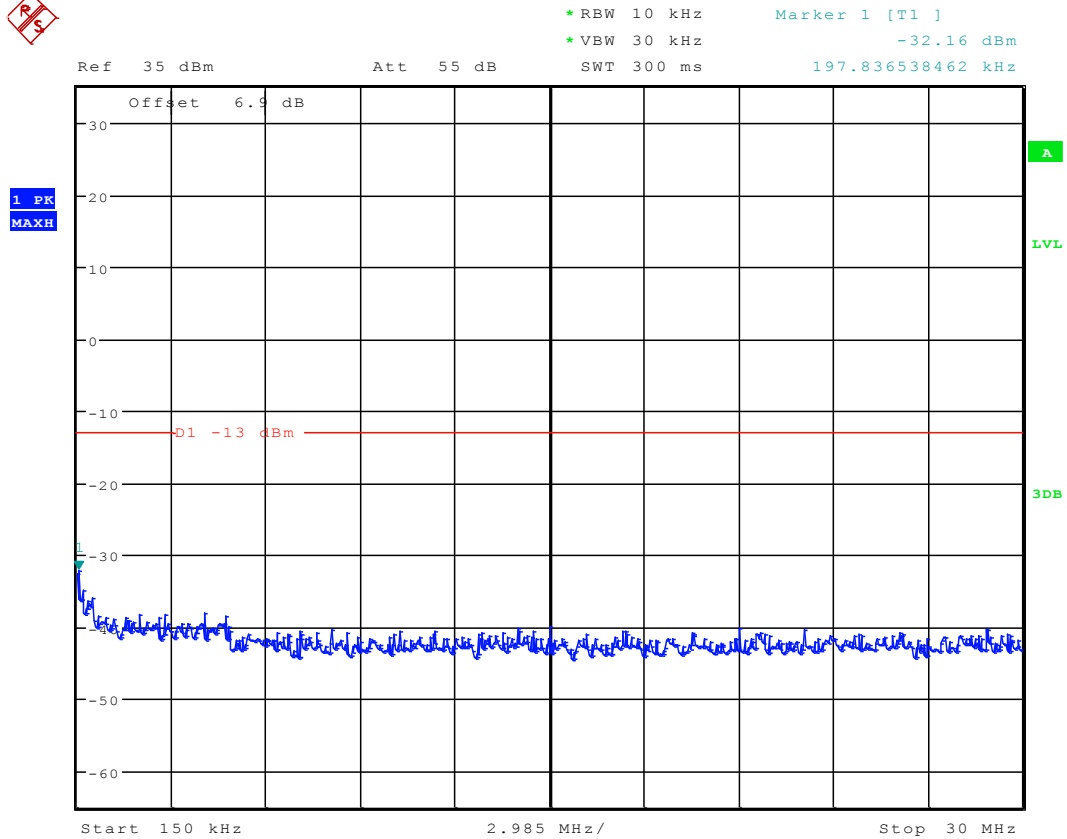


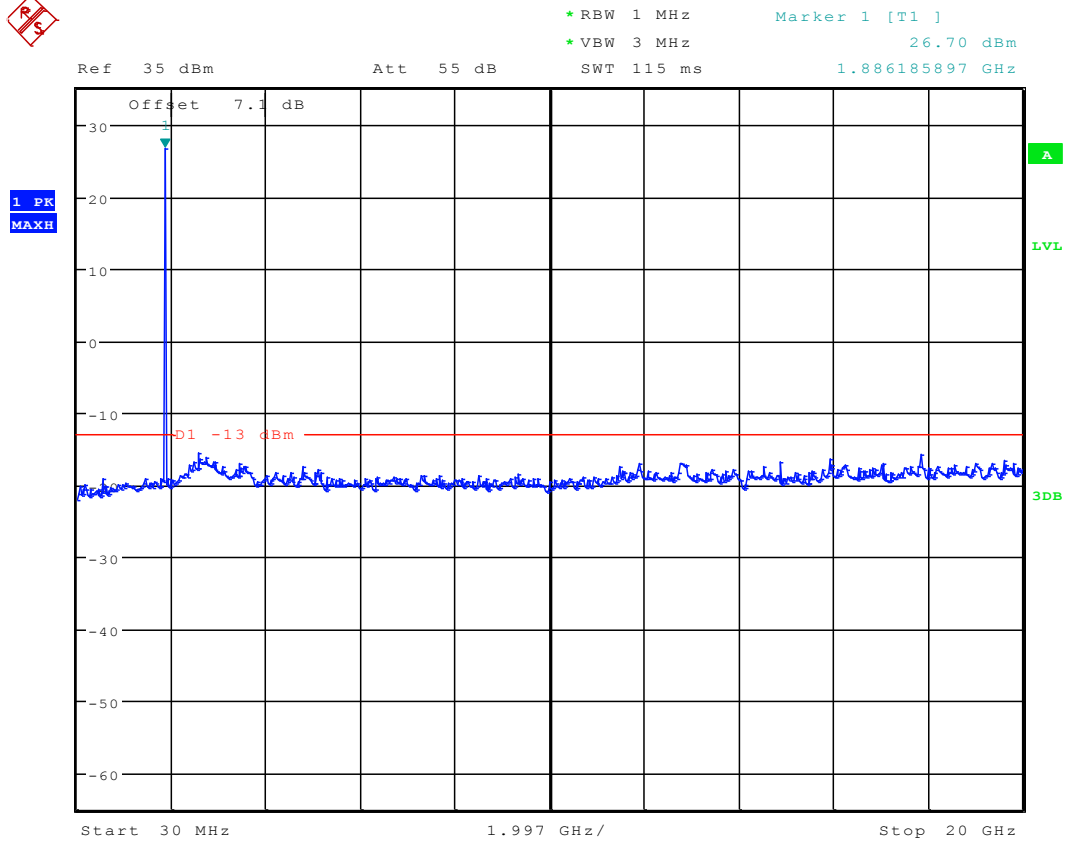




## Channel 1175



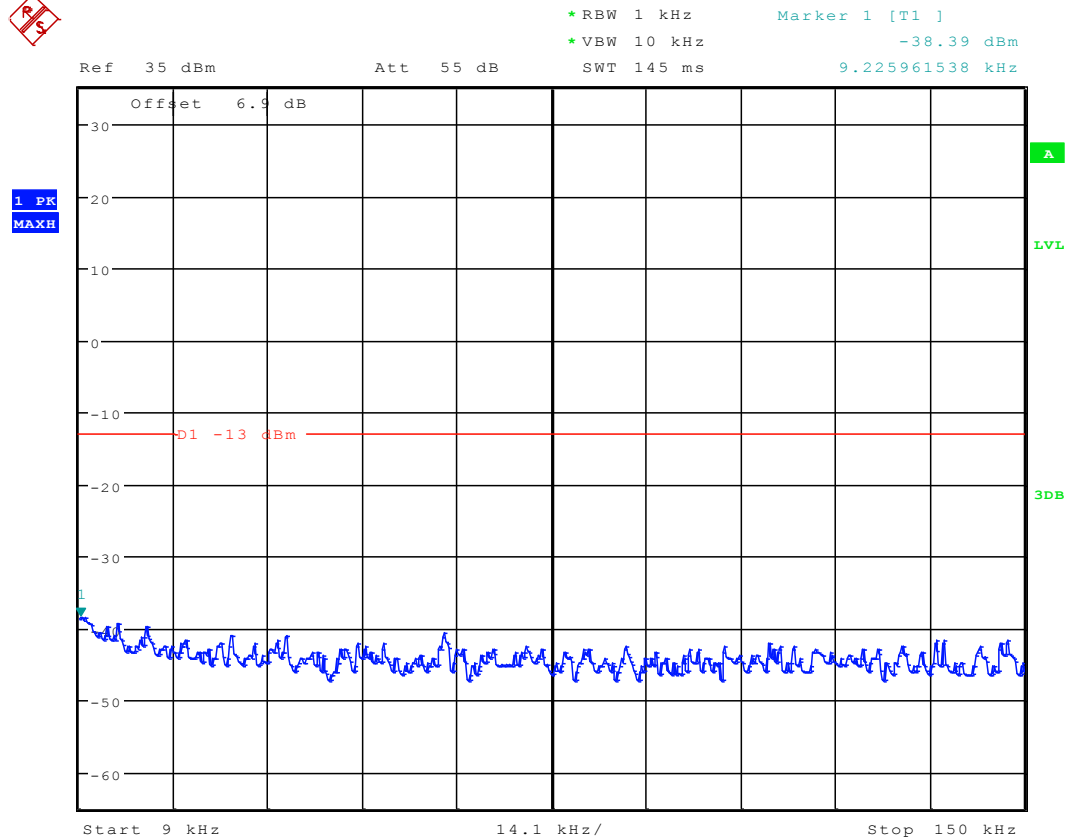


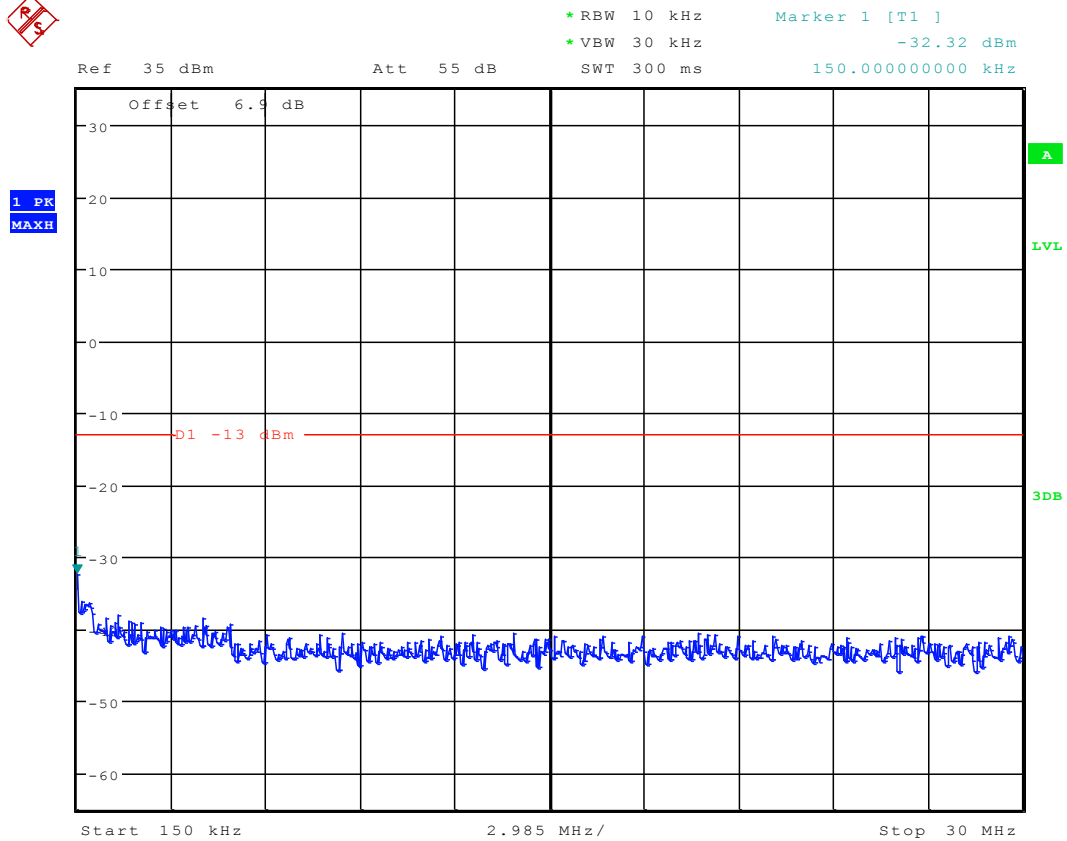


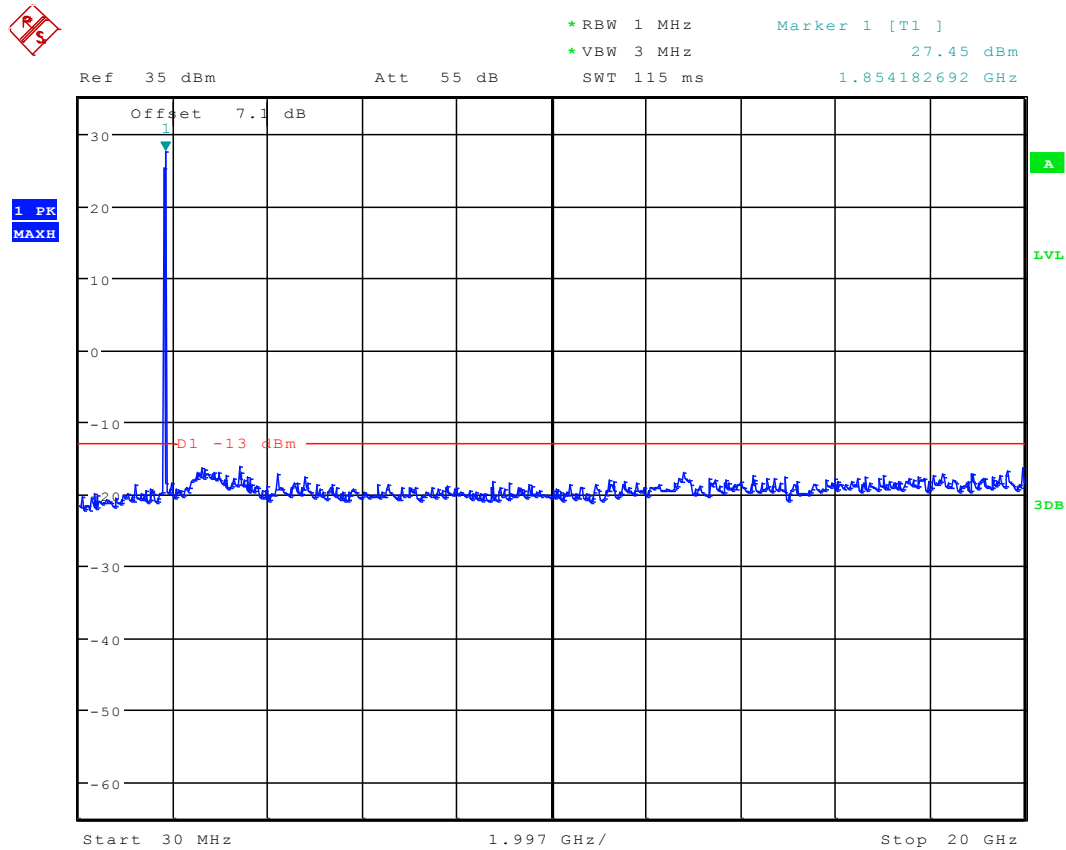


## EVDO subtype 2

Modulation: BPSK  
Channel 25

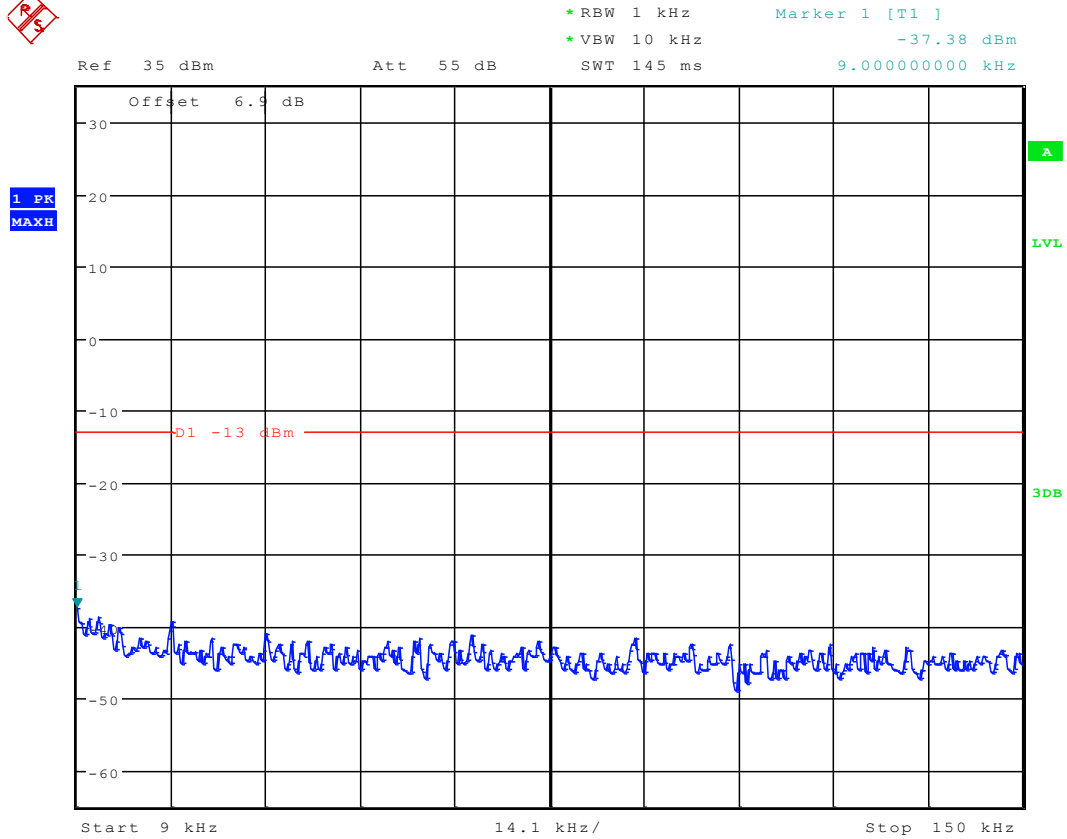


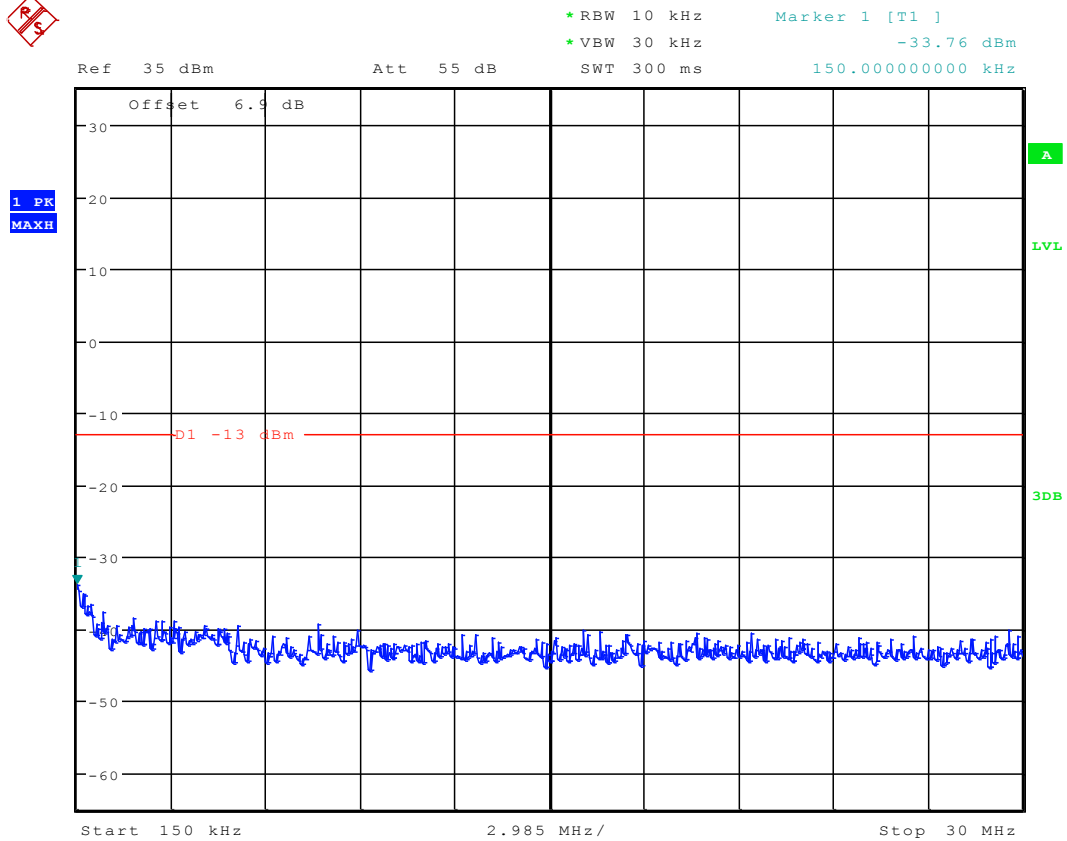


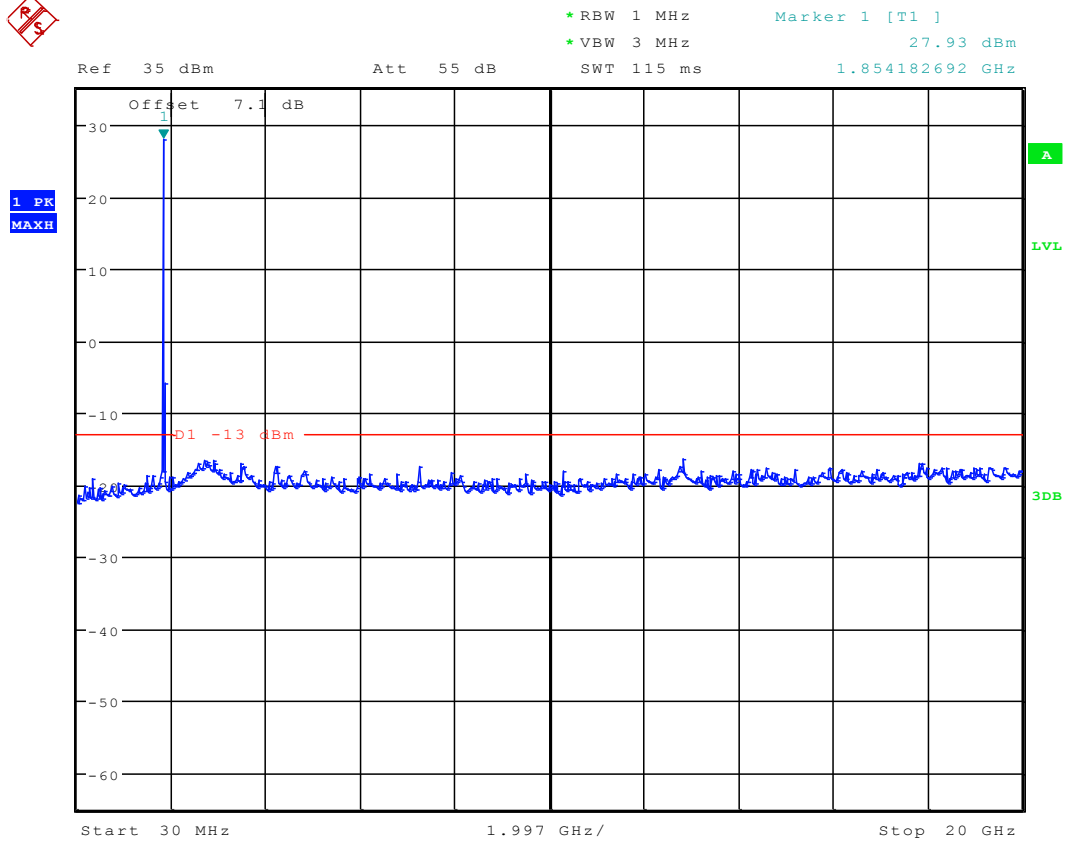




## Channel 600

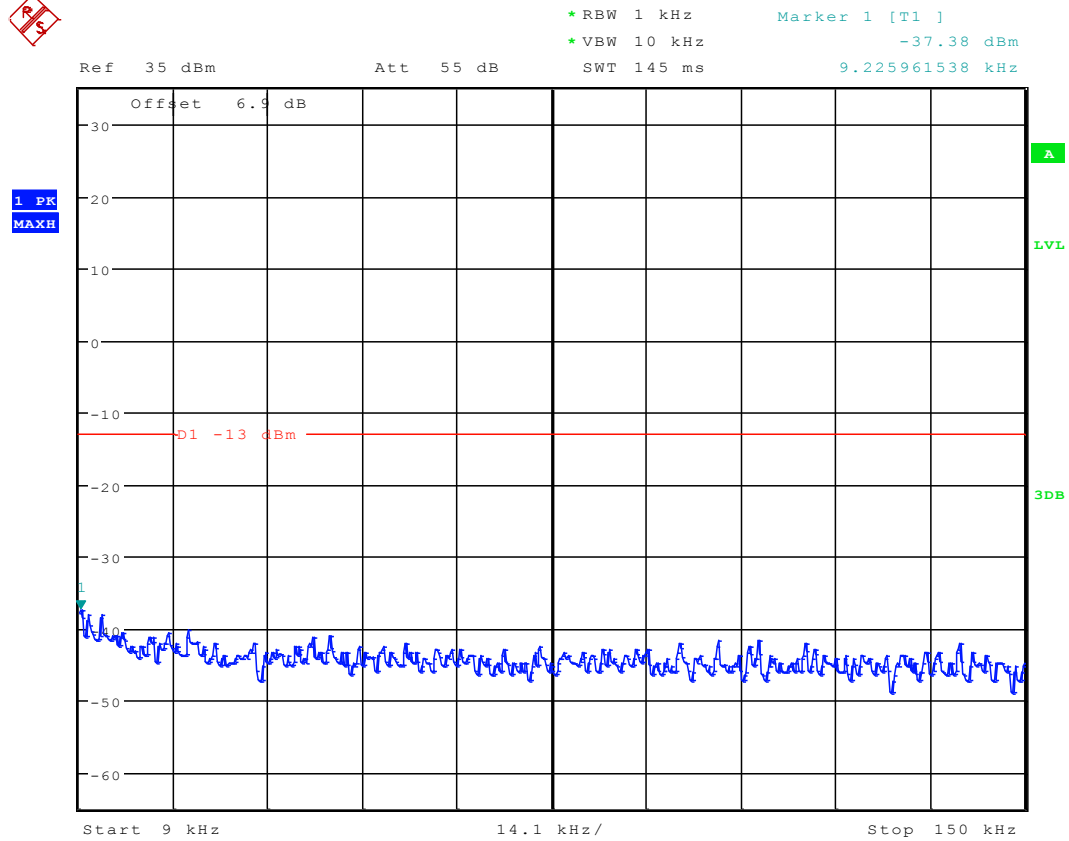


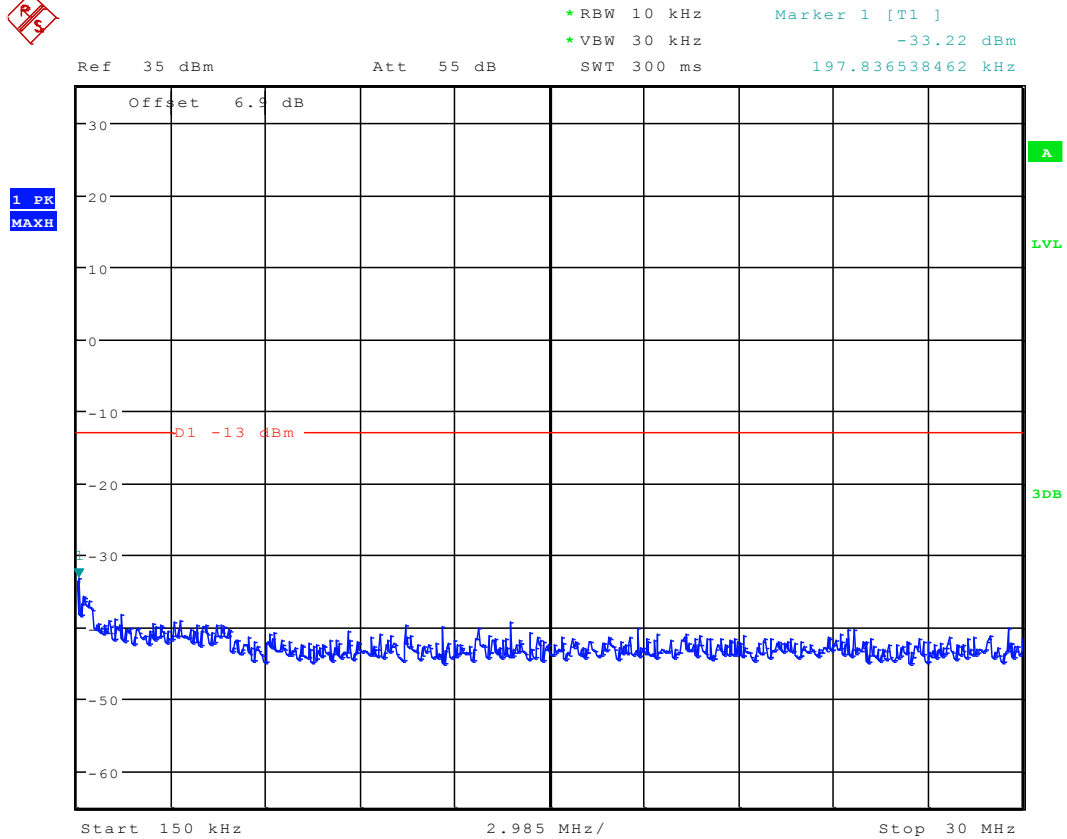


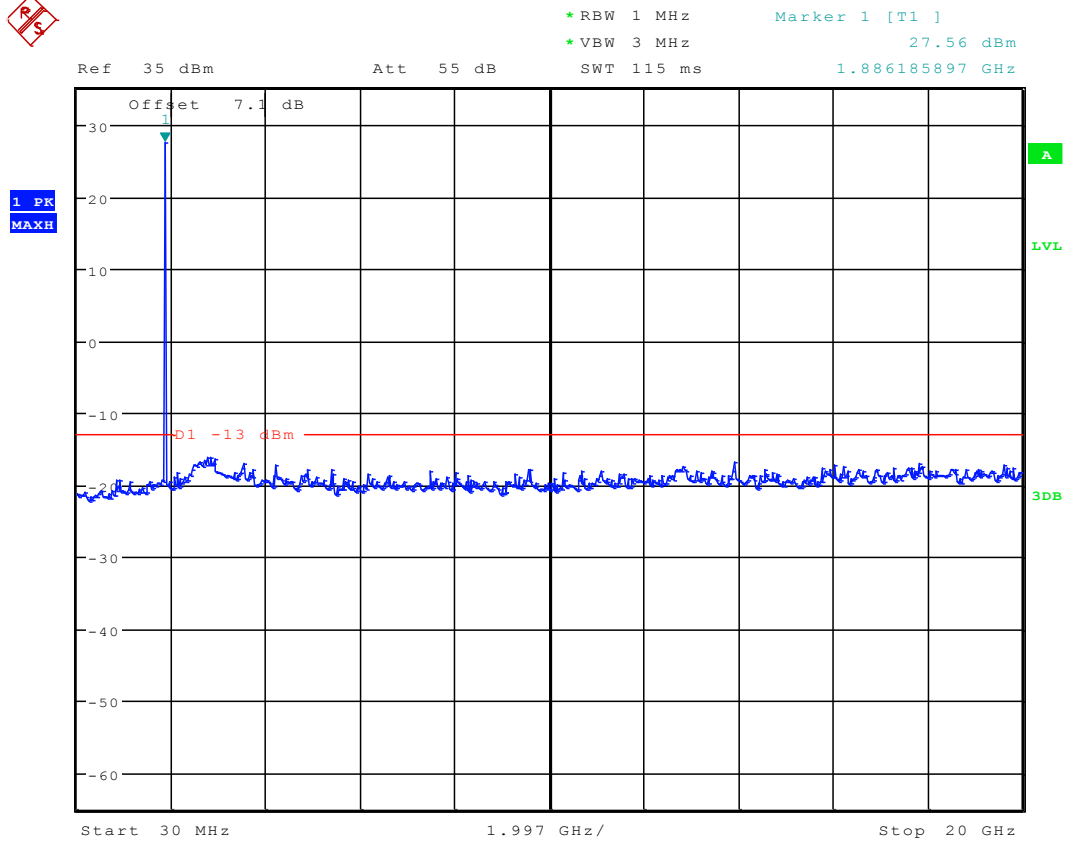




## Channel 1175

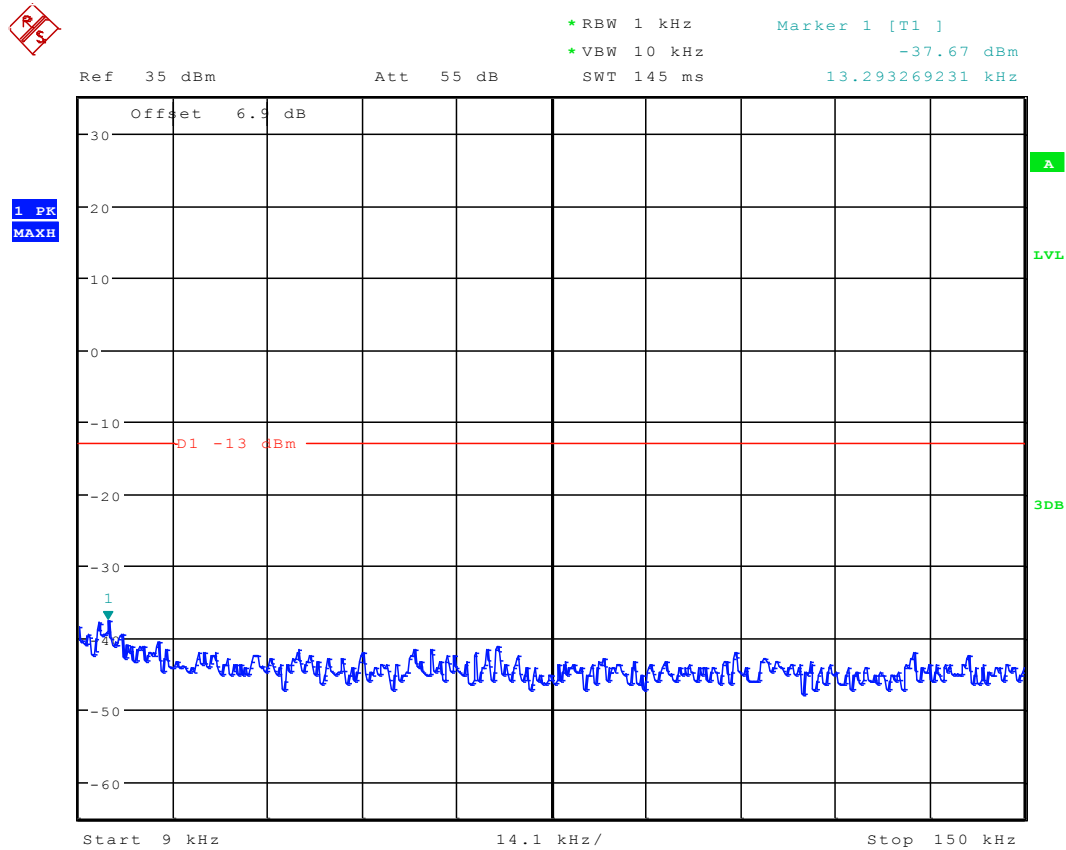


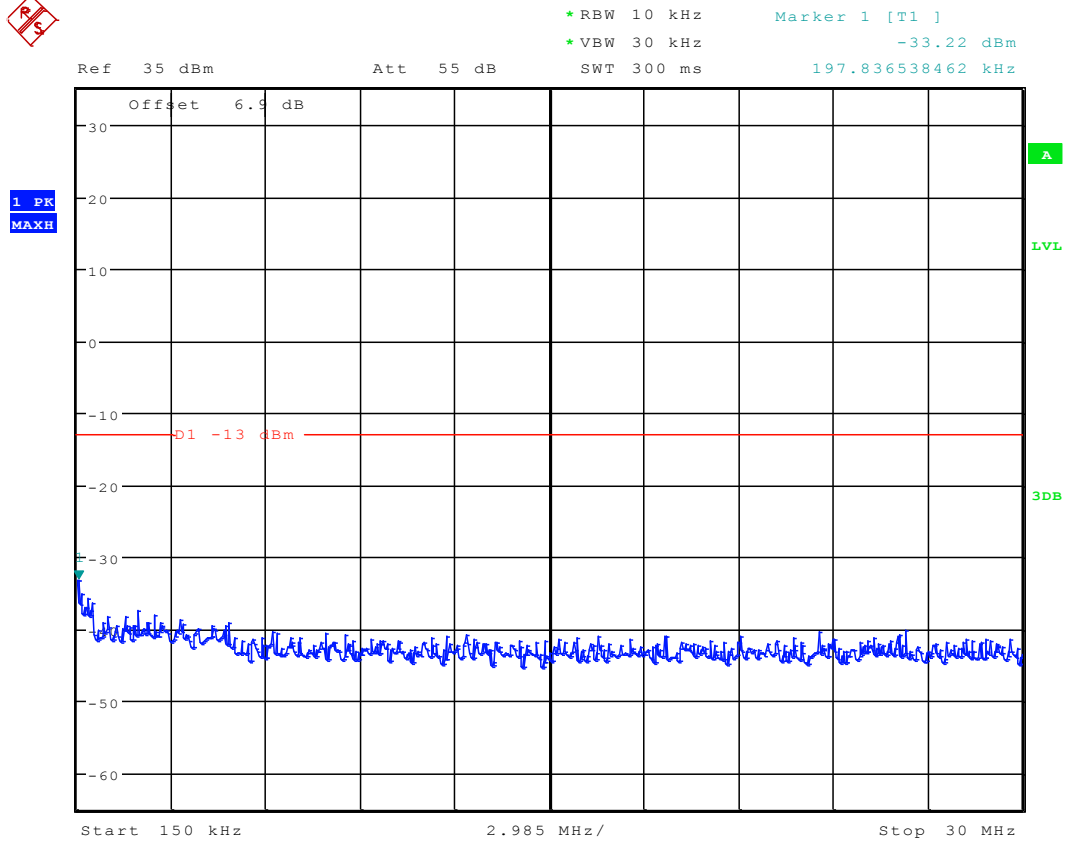


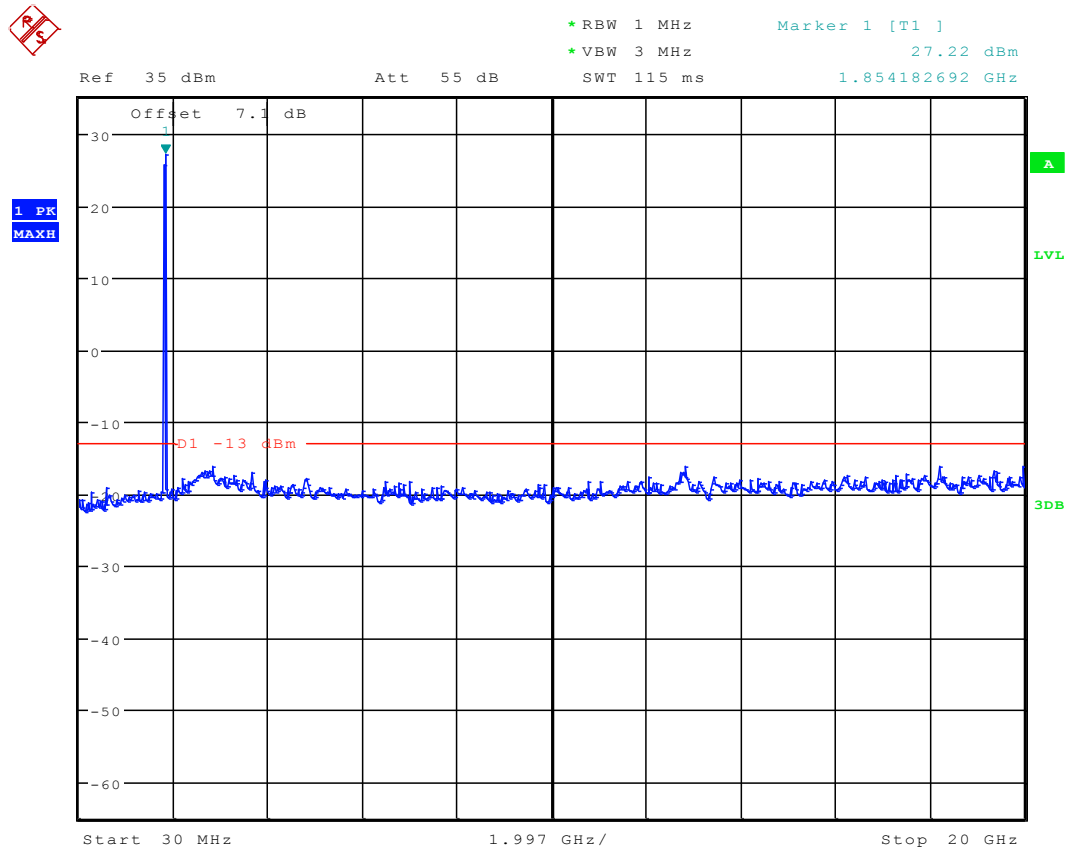




## Modulation: QPSK Channel 25

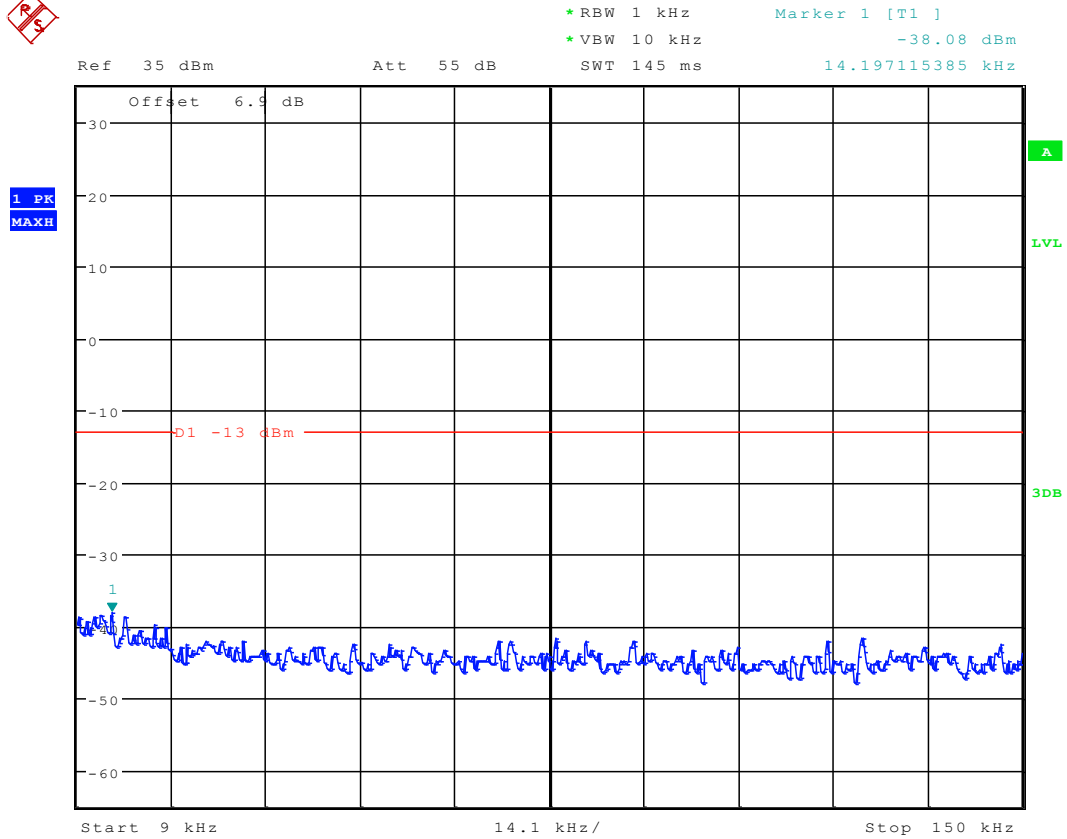


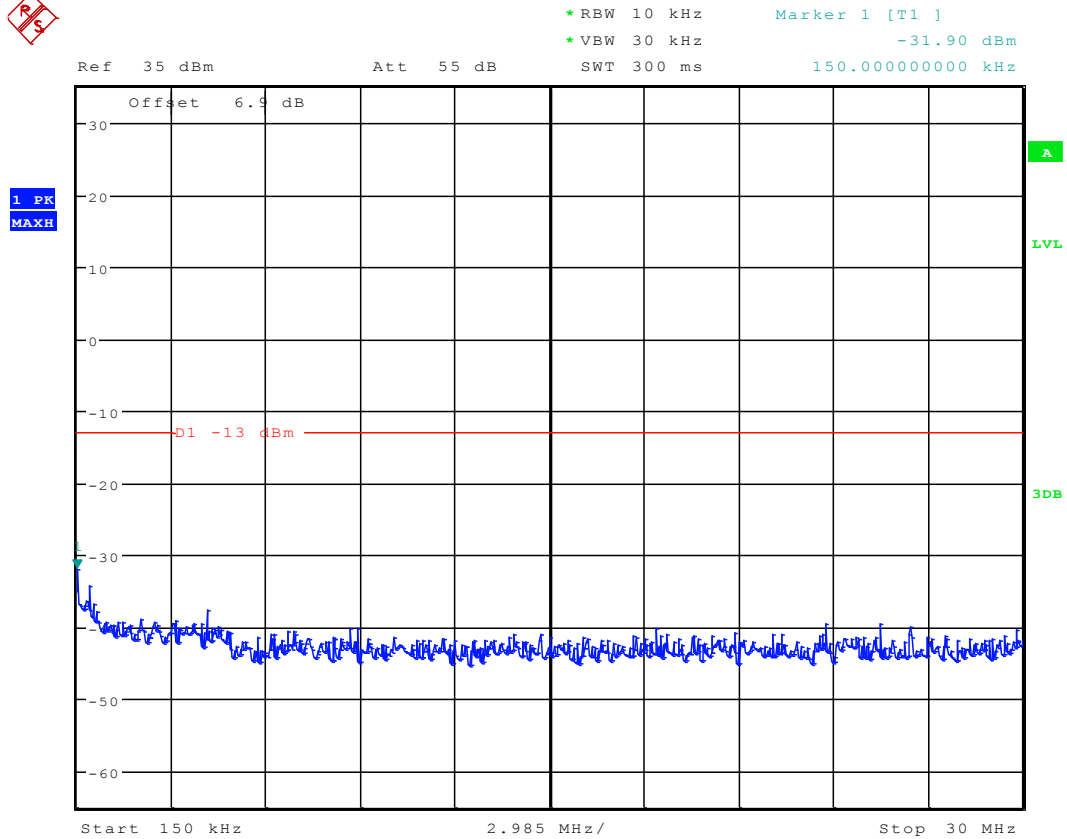


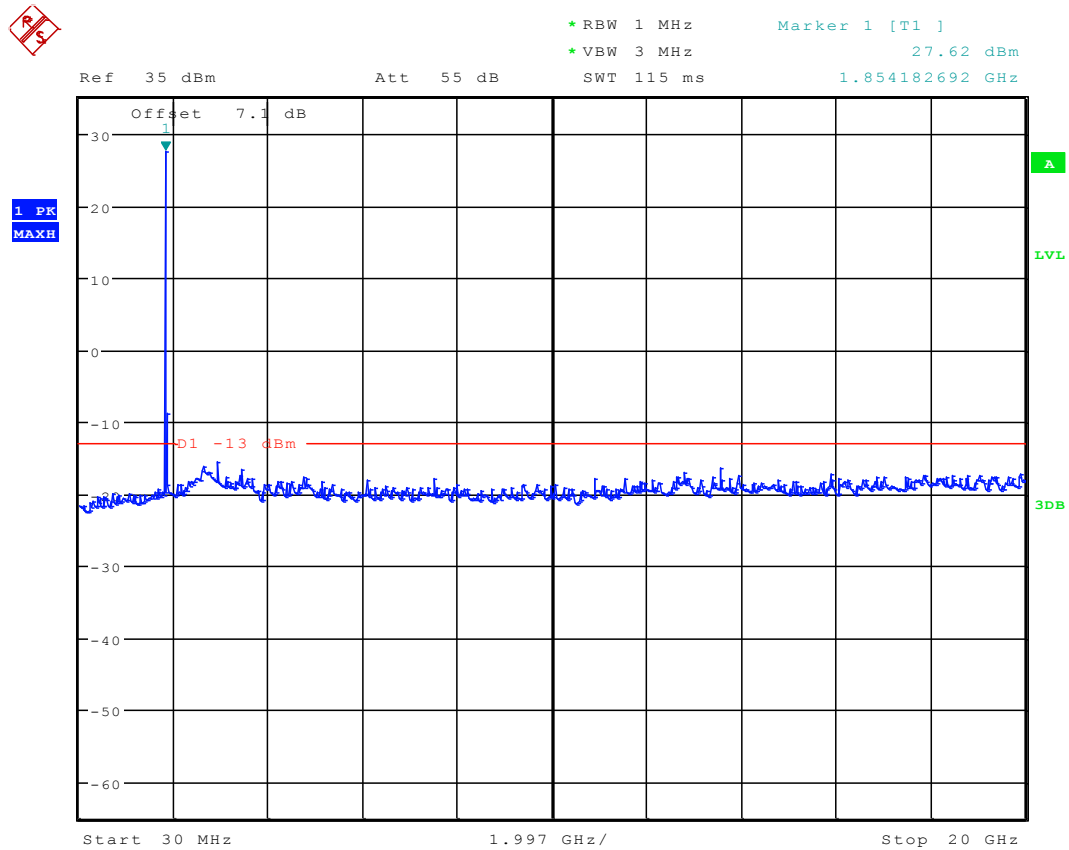




## Channel 600

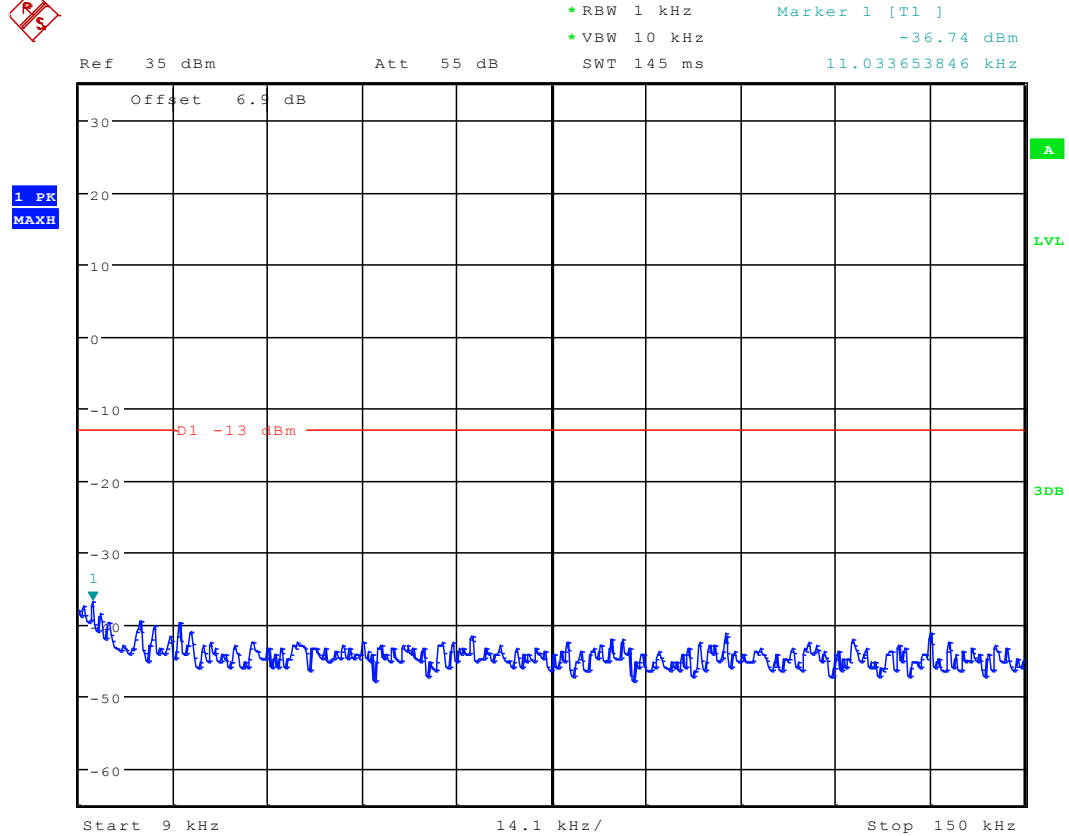


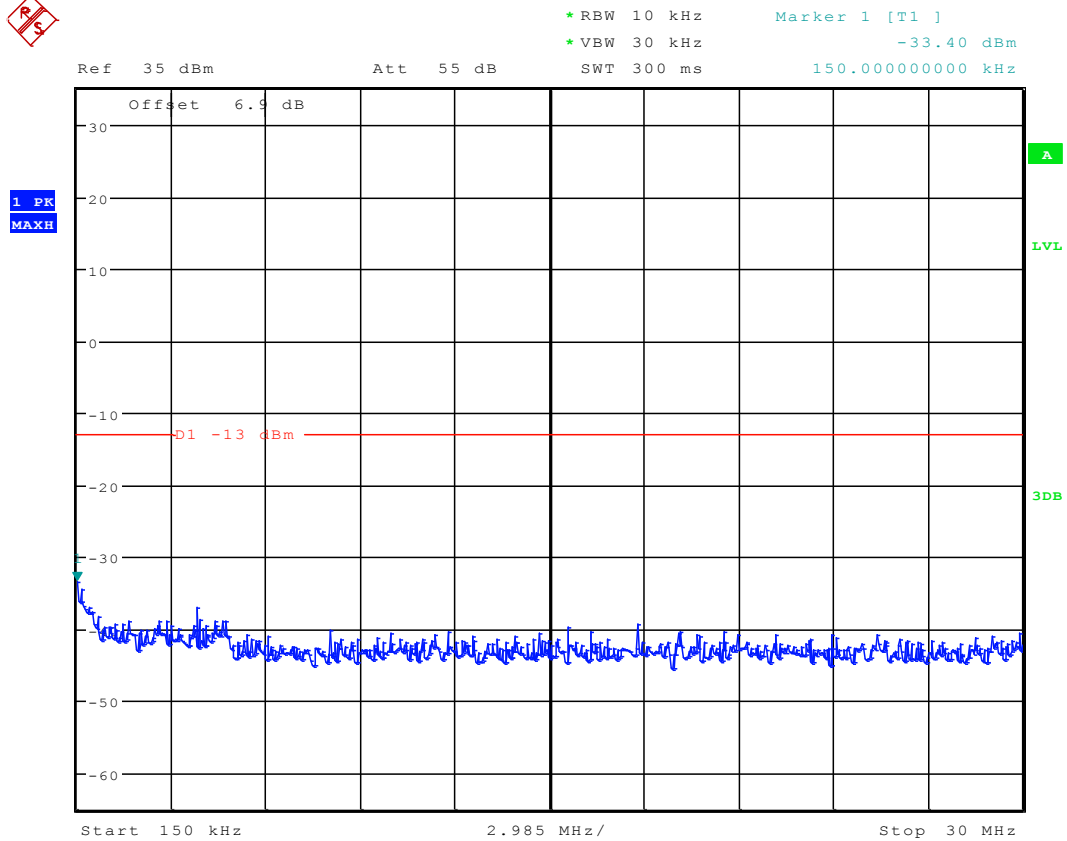


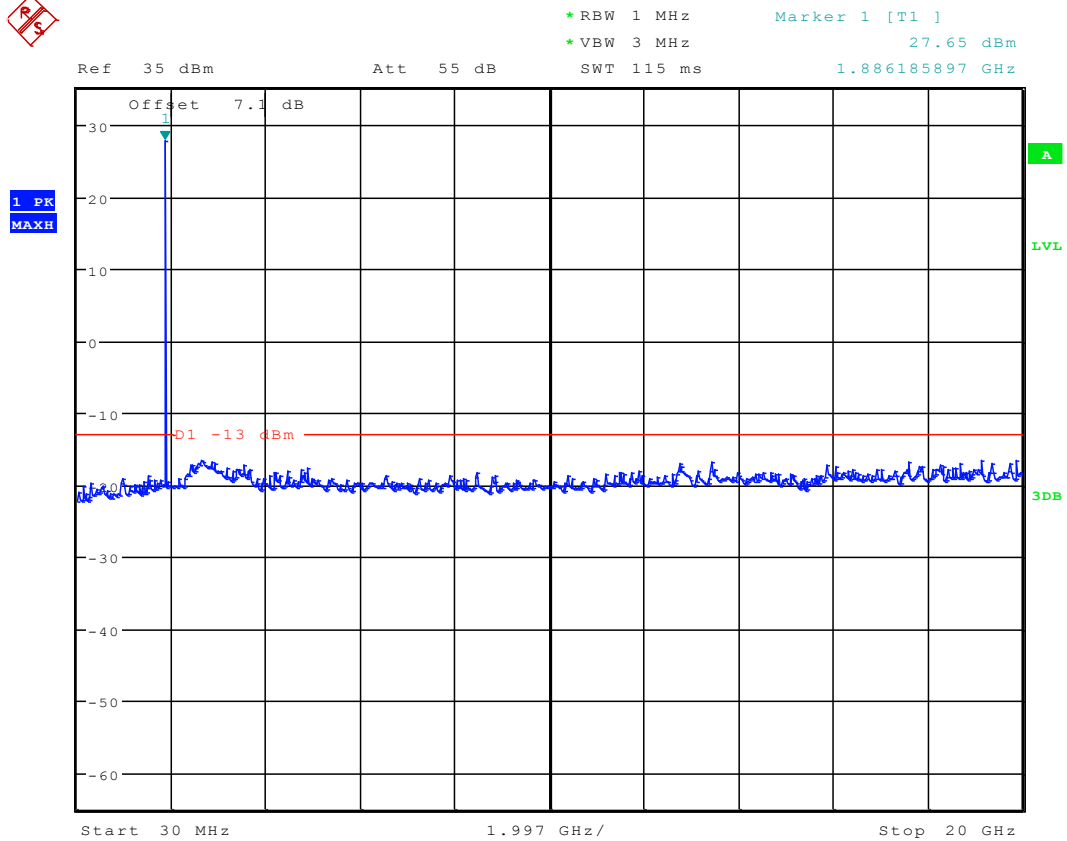




## Channel 1175

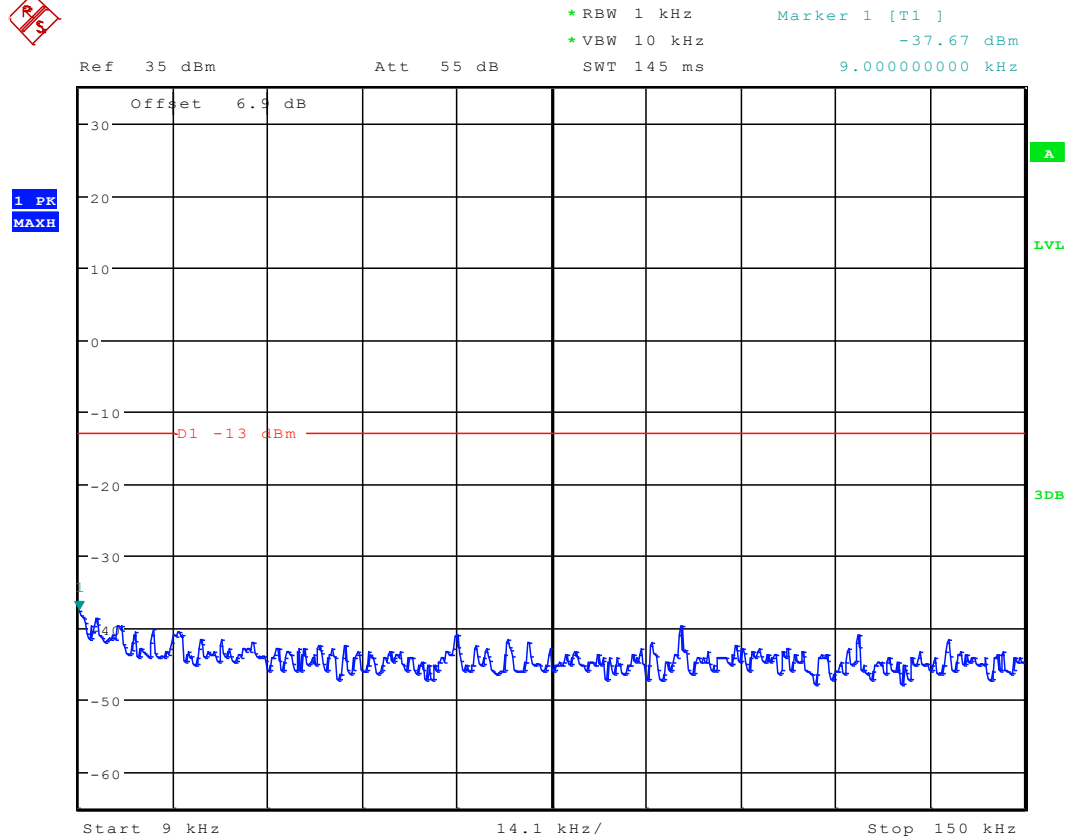


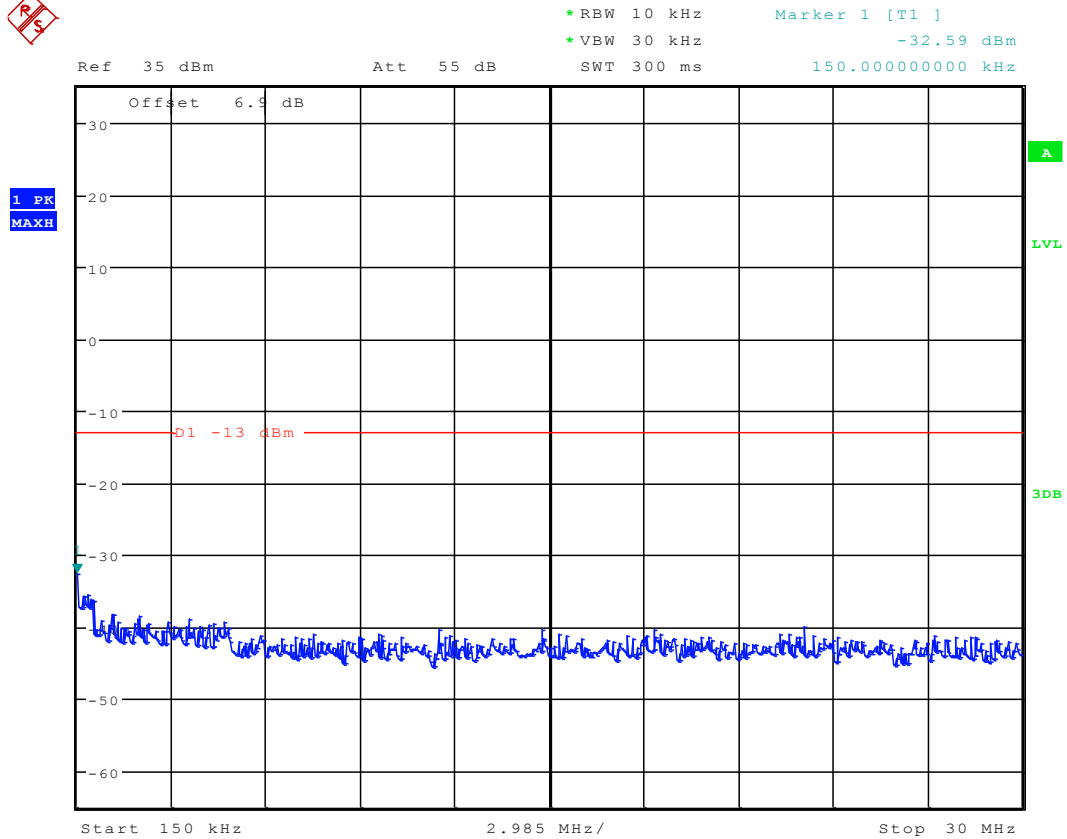


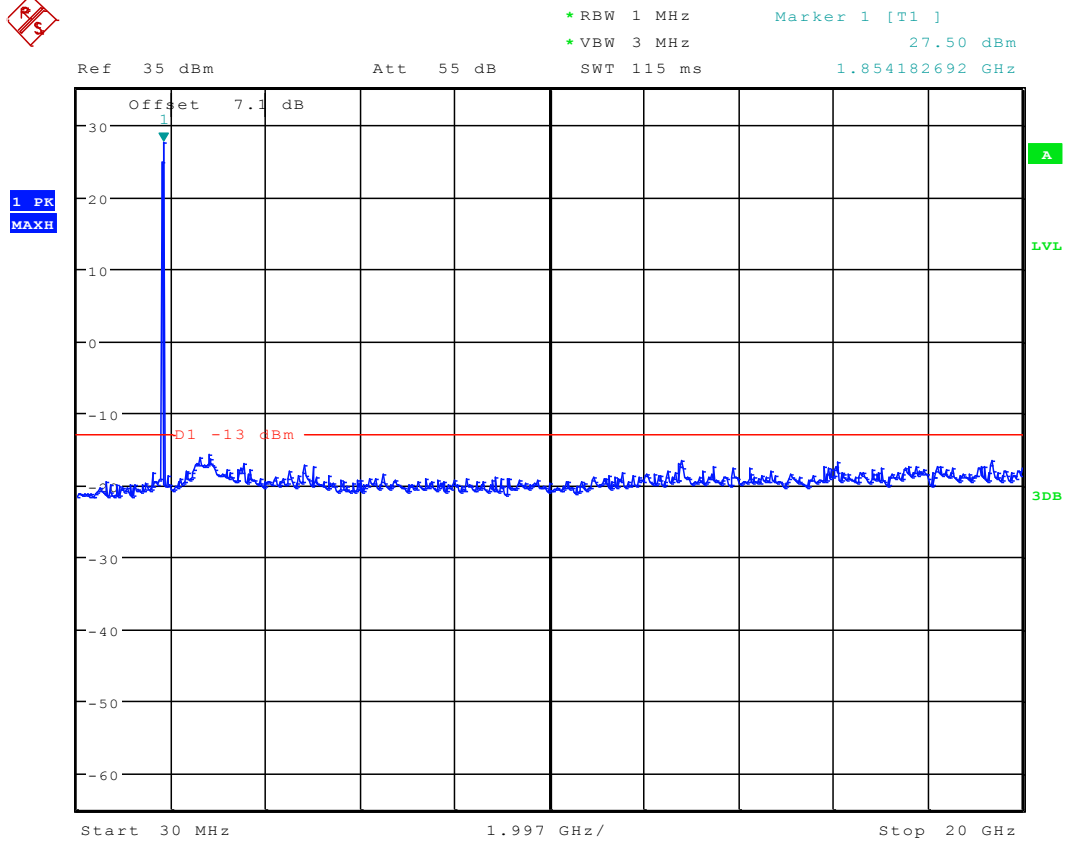




## Modulation: 8PSK Channel 25

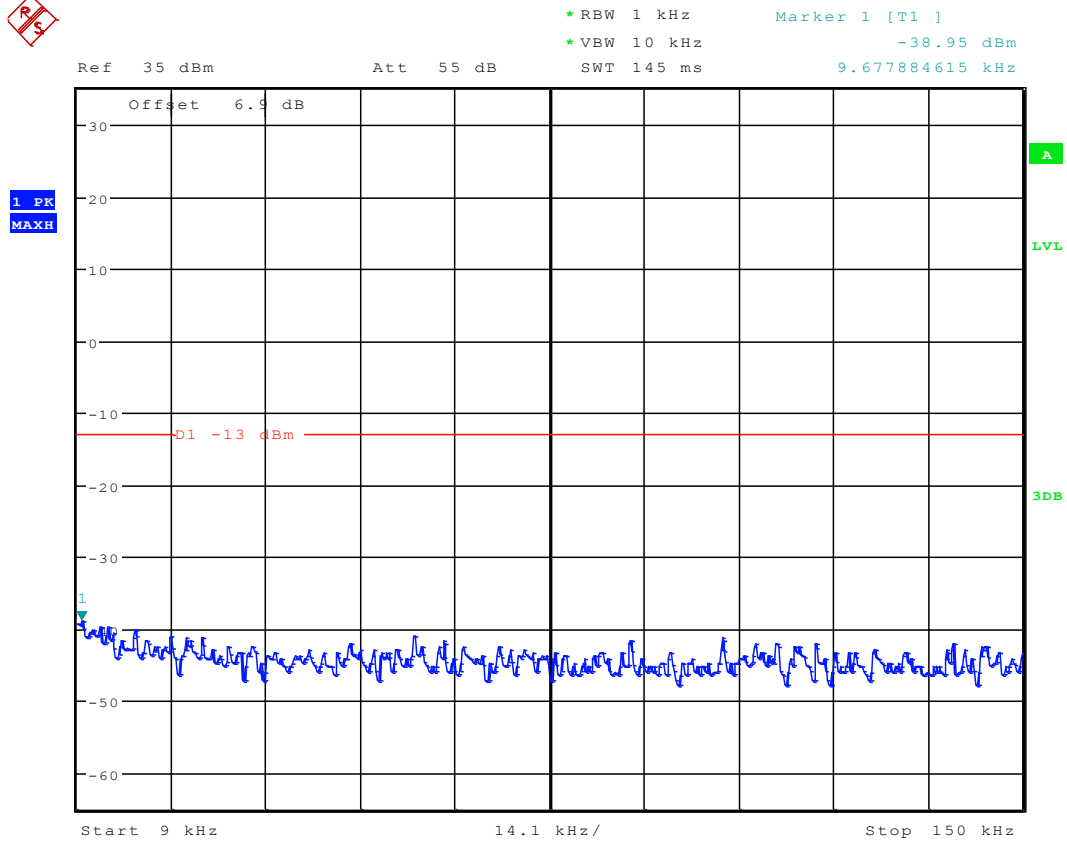


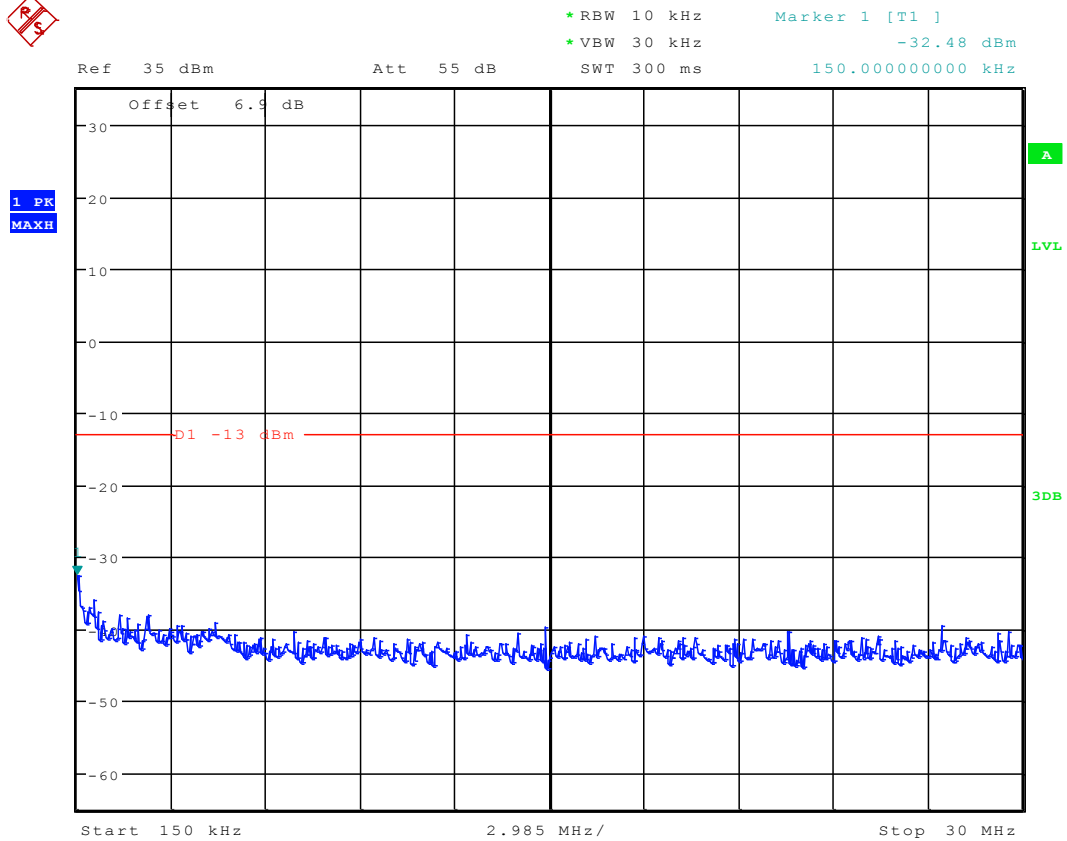






## Channel 600





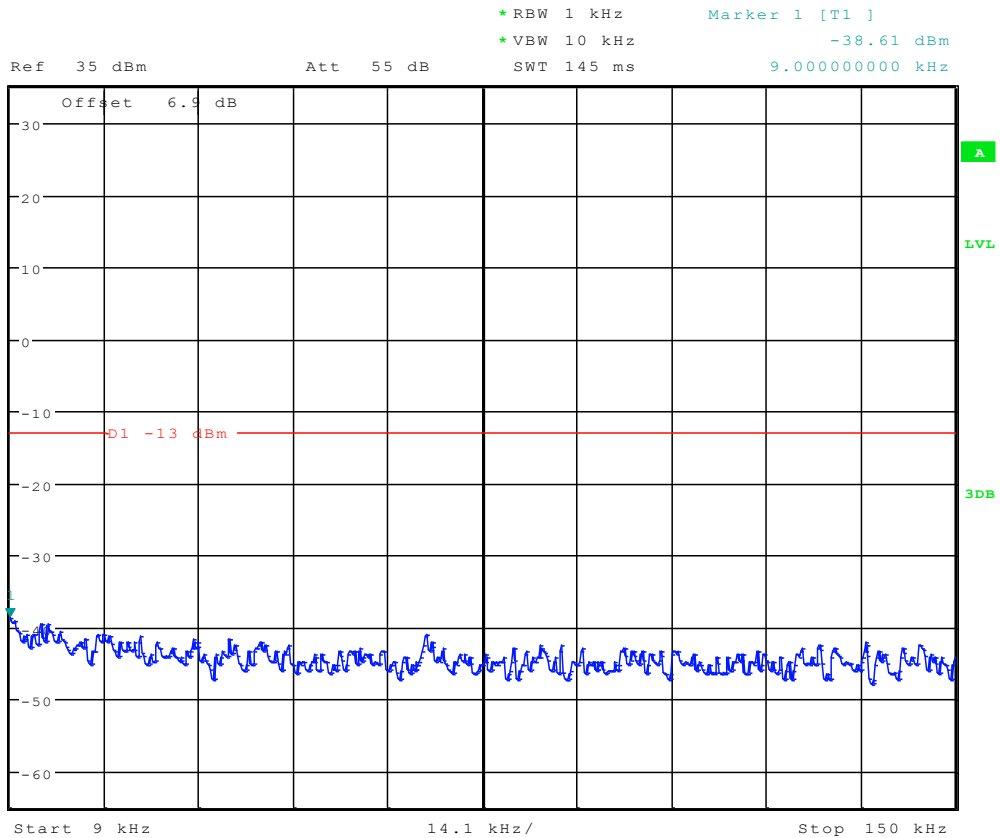


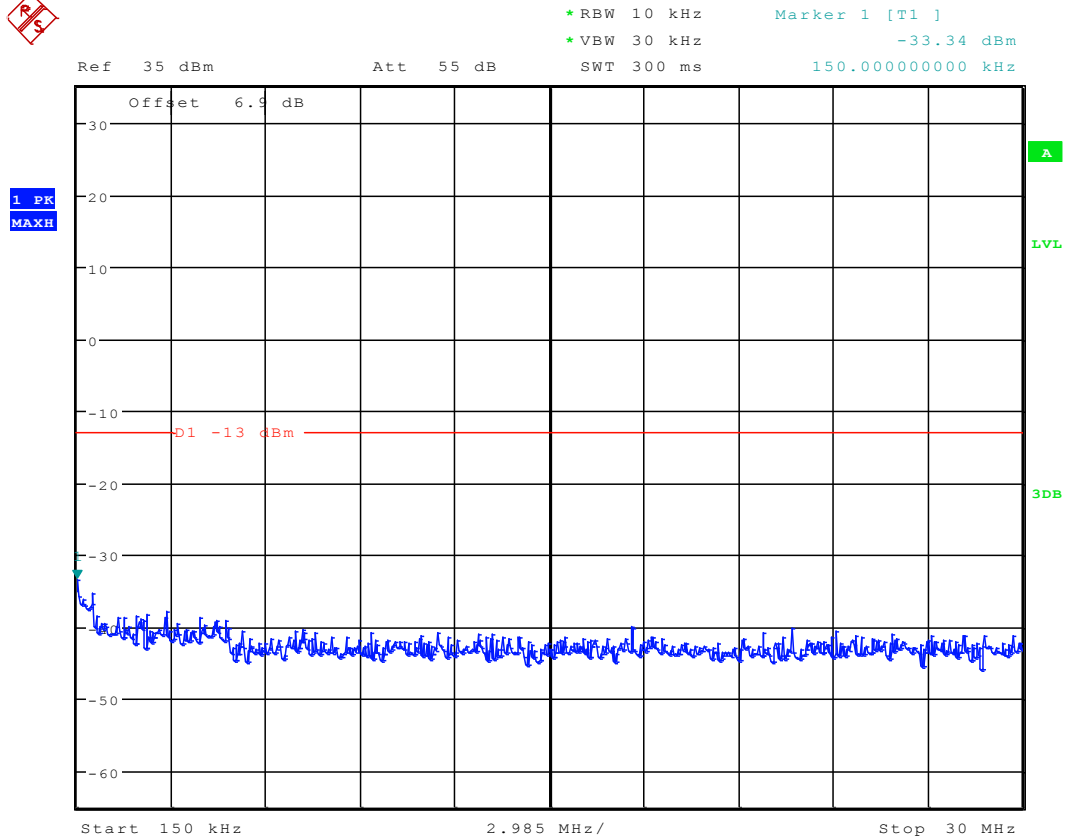


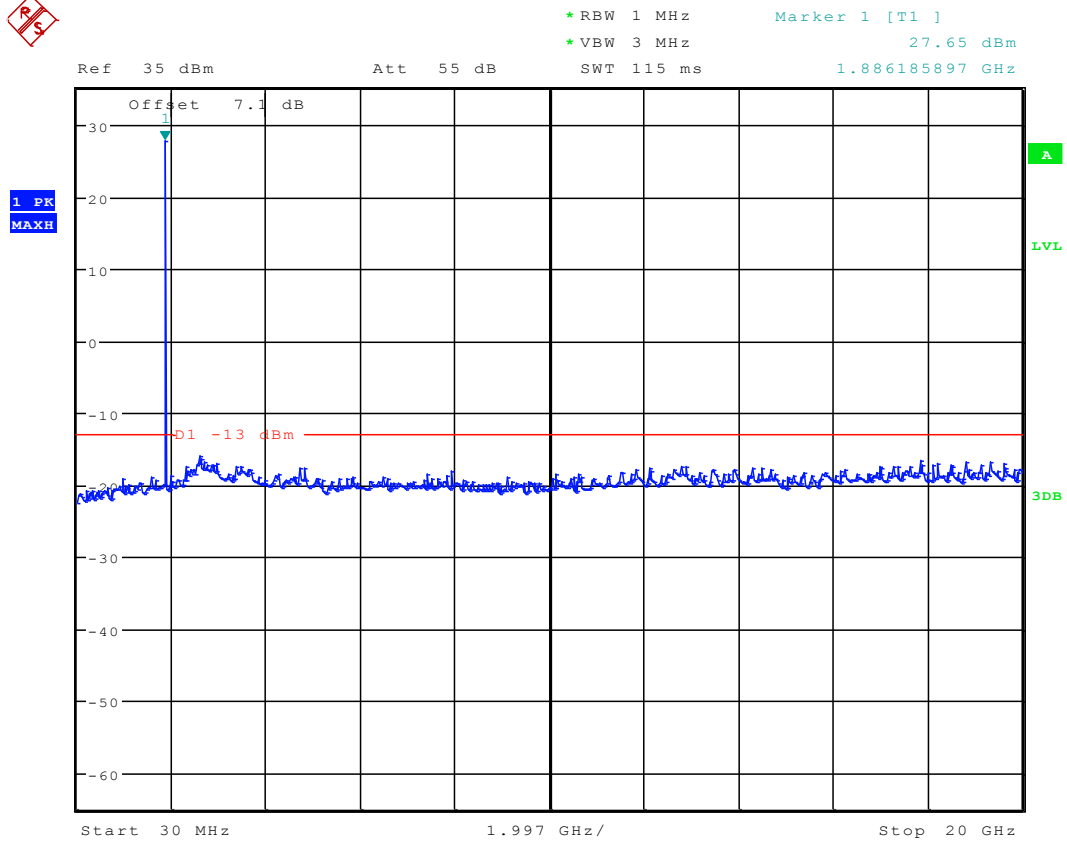
## Channel 1175



1 PK  
MAXH









# **Appendix E**

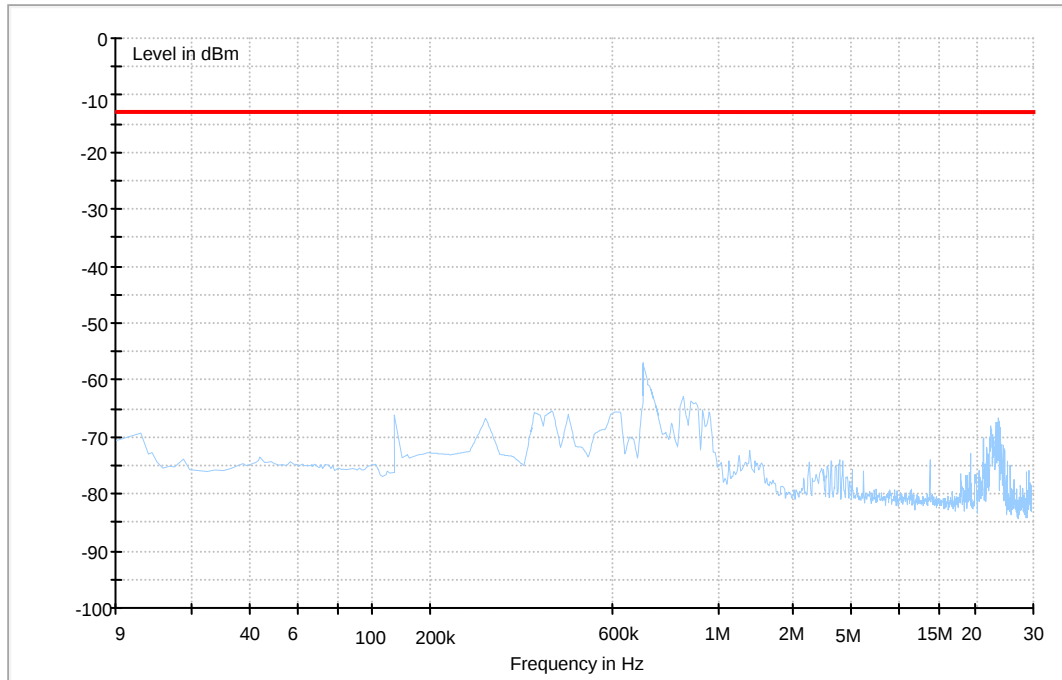
## **Radiated spurious emission**

According to FCC Part 2.1053& Part 24 Subpart E



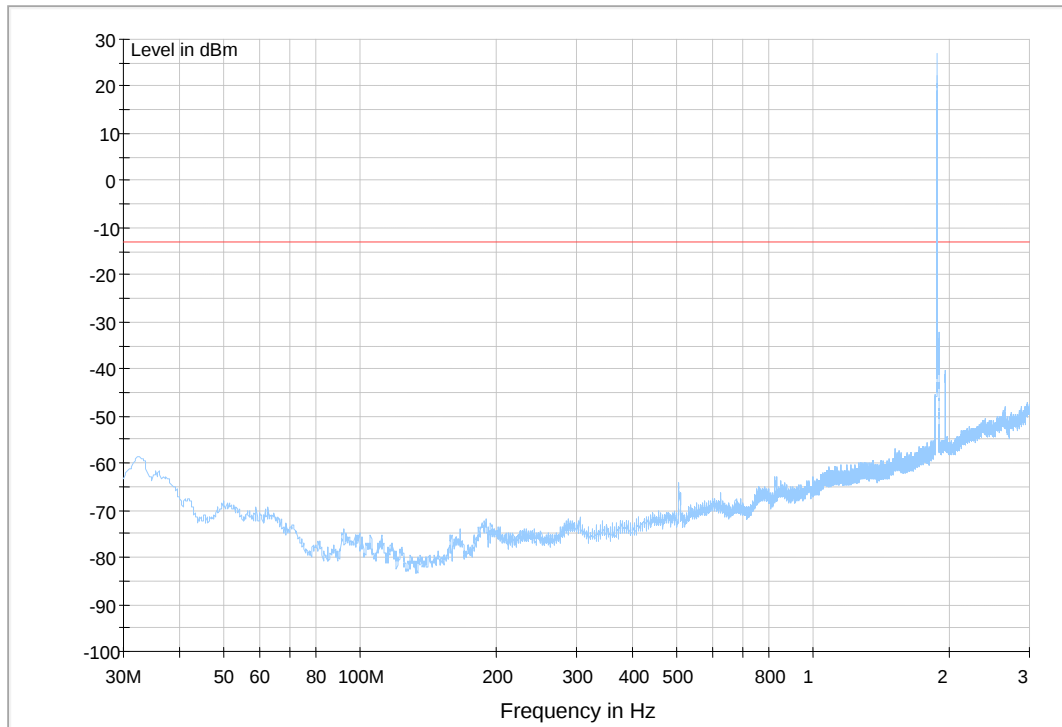
## CDMA 1900

Traffic Mode (9kHz-30MHz)



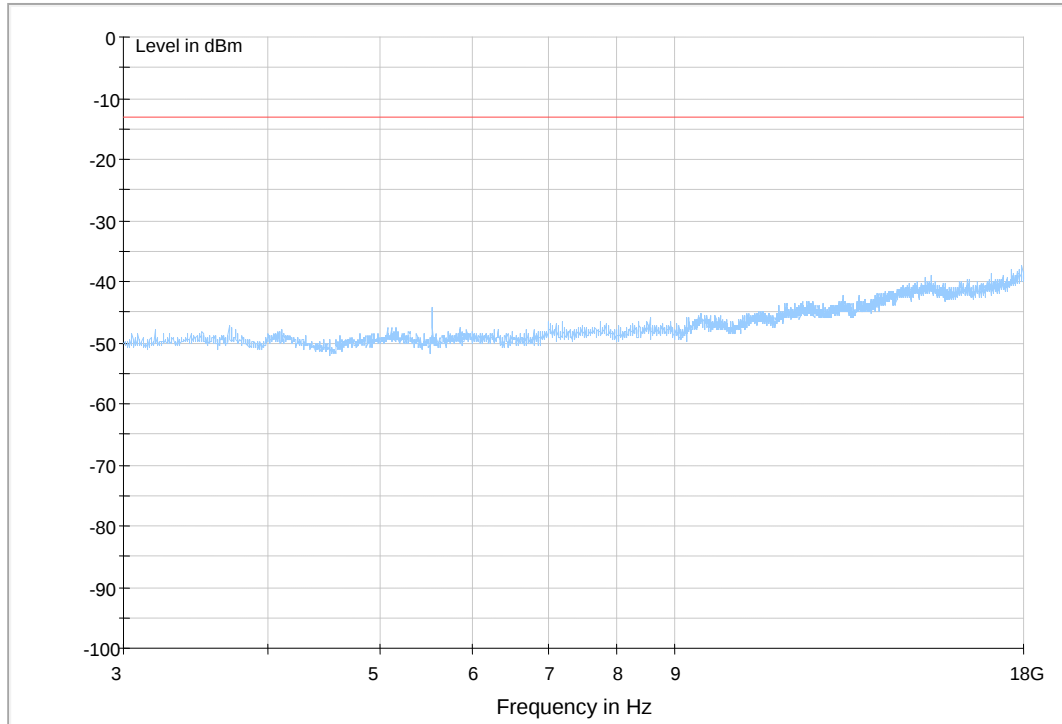


## Traffic Mode (30MHz-3GHz)



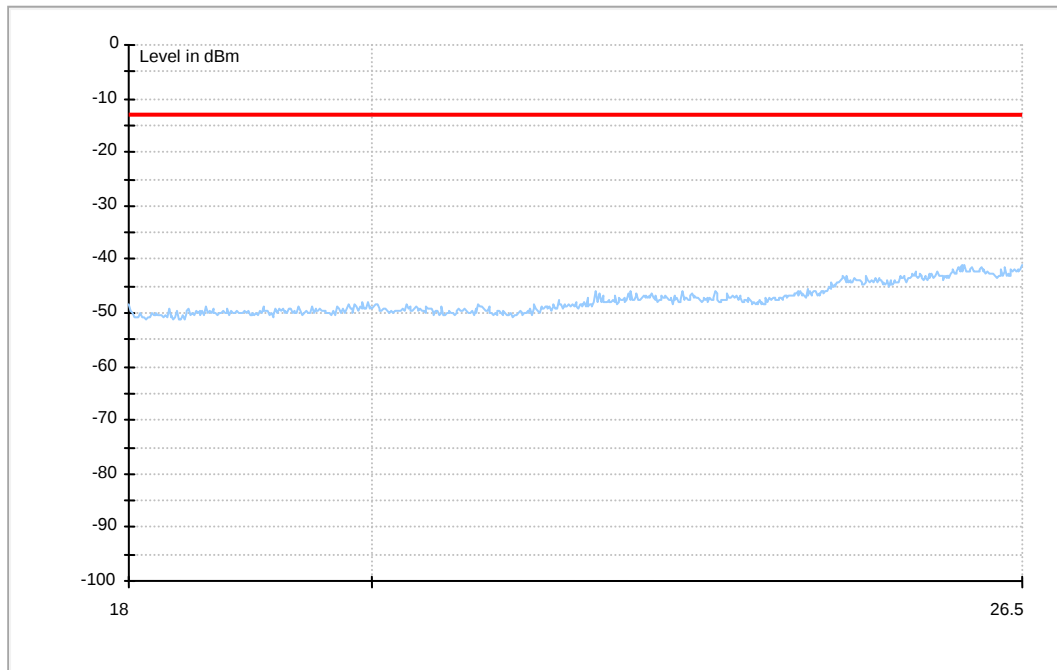


## Traffic Mode (3GHz-18GHz)





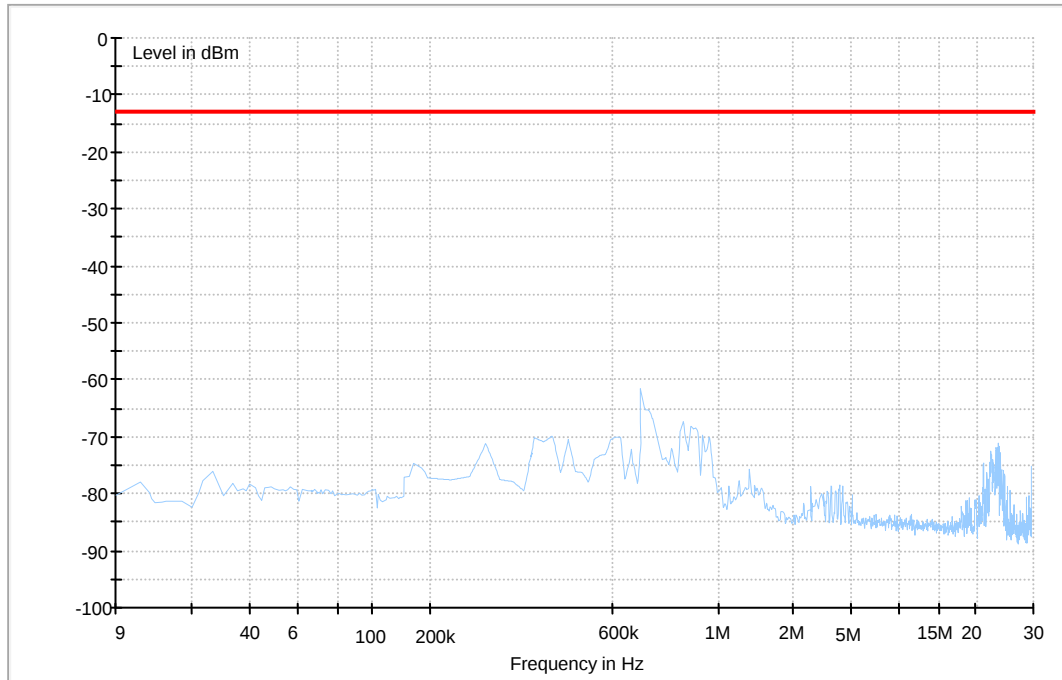
## Traffic Mode (18GHz-26.5GHz)





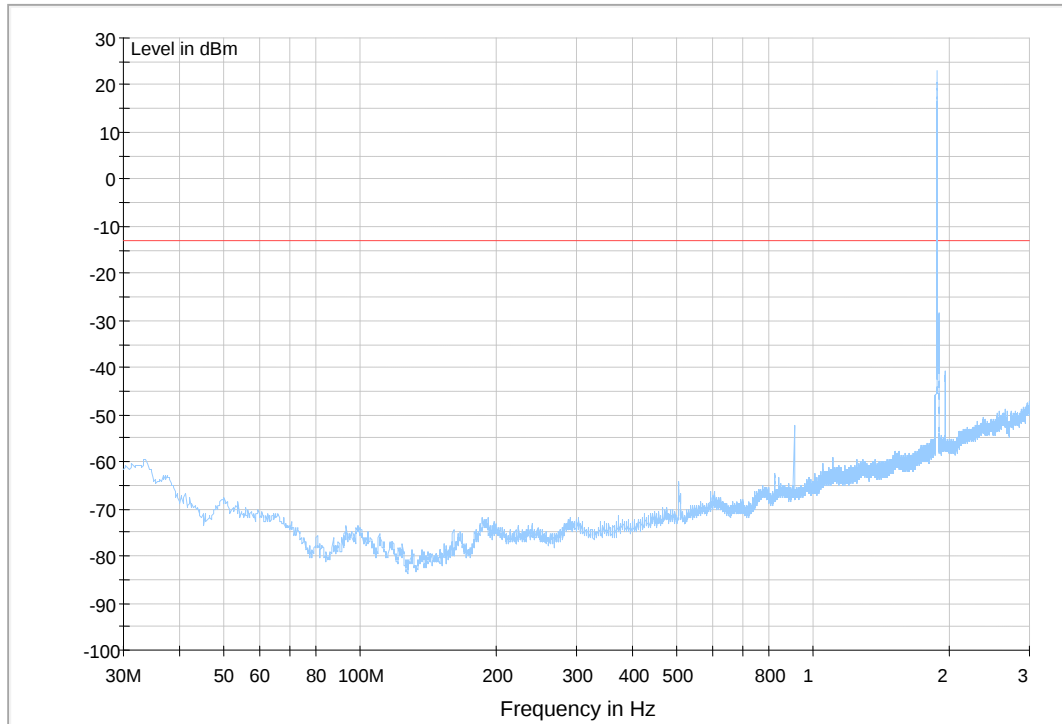
## EVDO.0 1900

Traffic Mode (9kHz-30MHz)



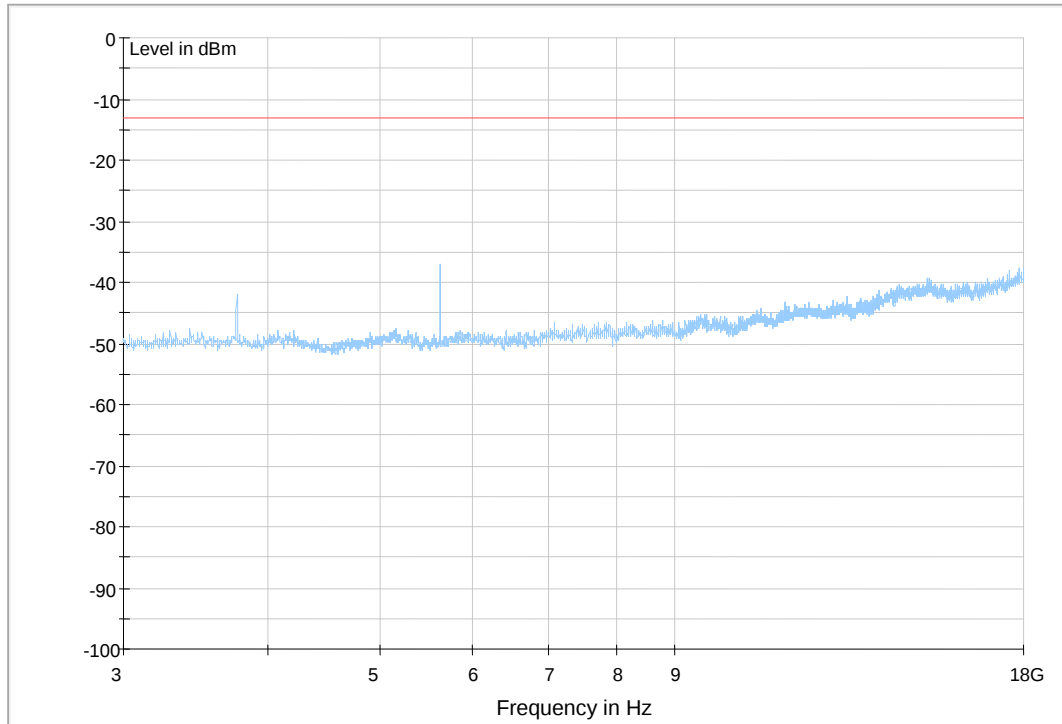


## Traffic Mode (30MHz-3GHz)



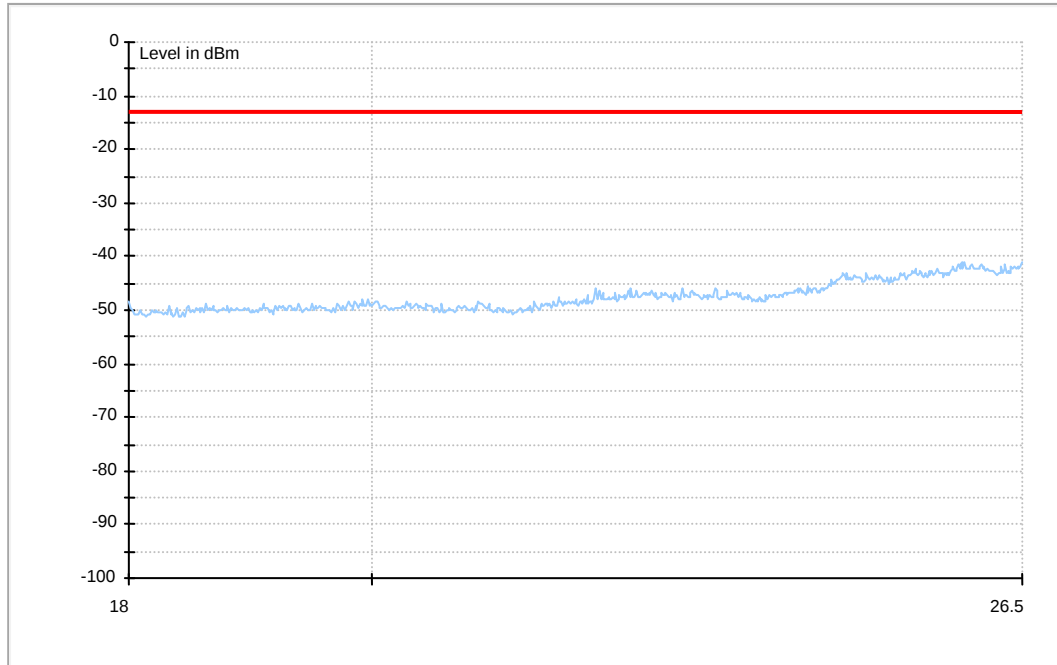


## Traffic Mode (3GHz-18GHz)





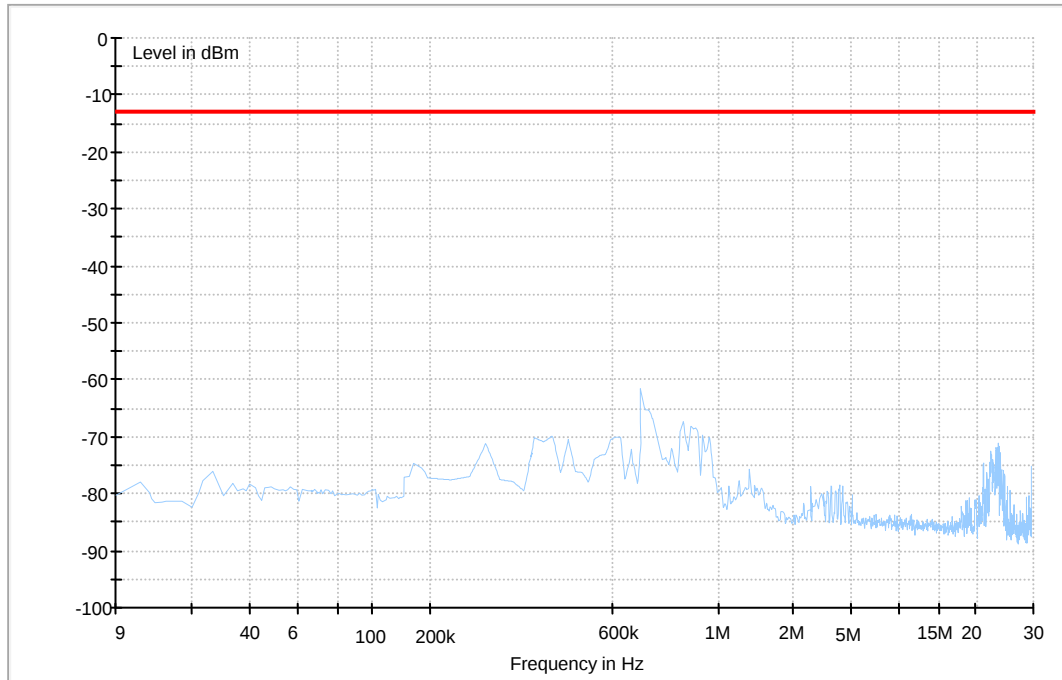
## Traffic Mode (18GHz-26.5GHz)





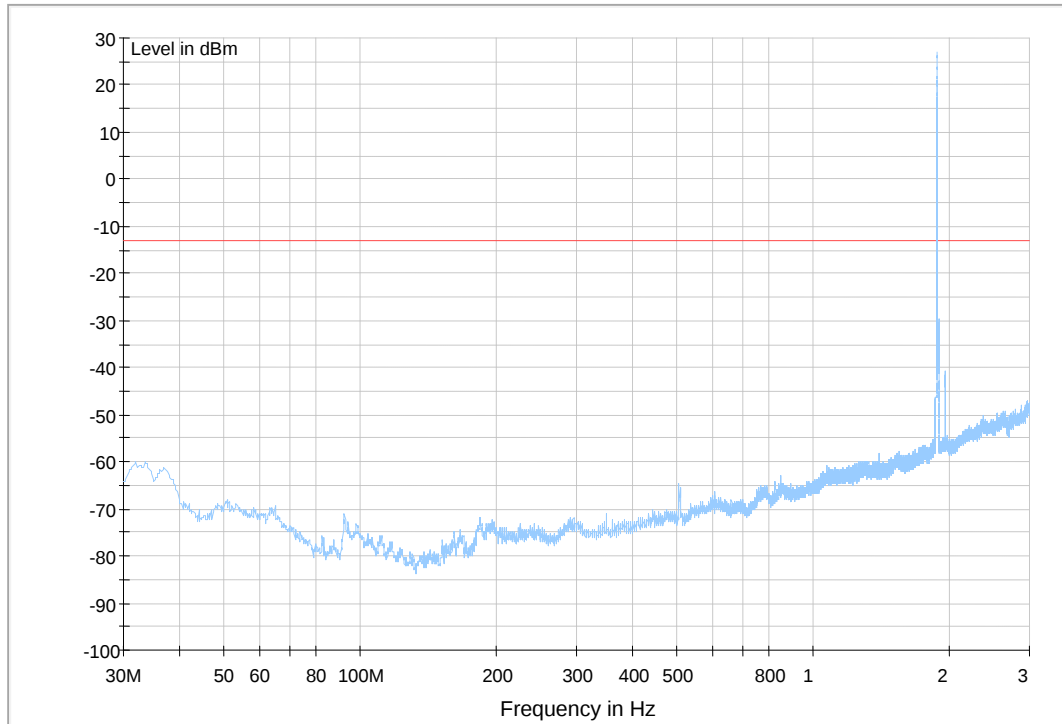
## EVDO.A 1900

Traffic Mode (9kHz-30MHz)



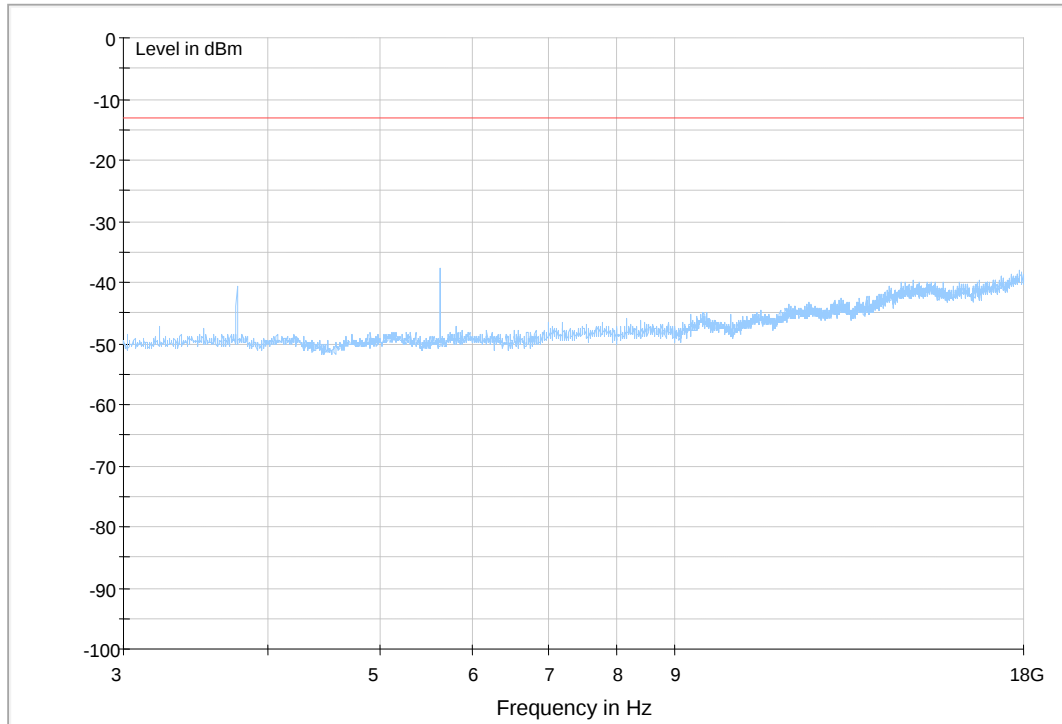


## Traffic Mode (30MHz-3GHz)





## Traffic Mode (3GHz-18GHz)





## Traffic Mode (18GHz-26.5GHz)

