Appendix E

Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & 27.53(g)

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NOTE1: QPSK output power higher than 16QAM, so only test the QPSK mode.
NOTE2: All relevant operation modes have been tested, and the 1RB&full RB case data is included in this report.

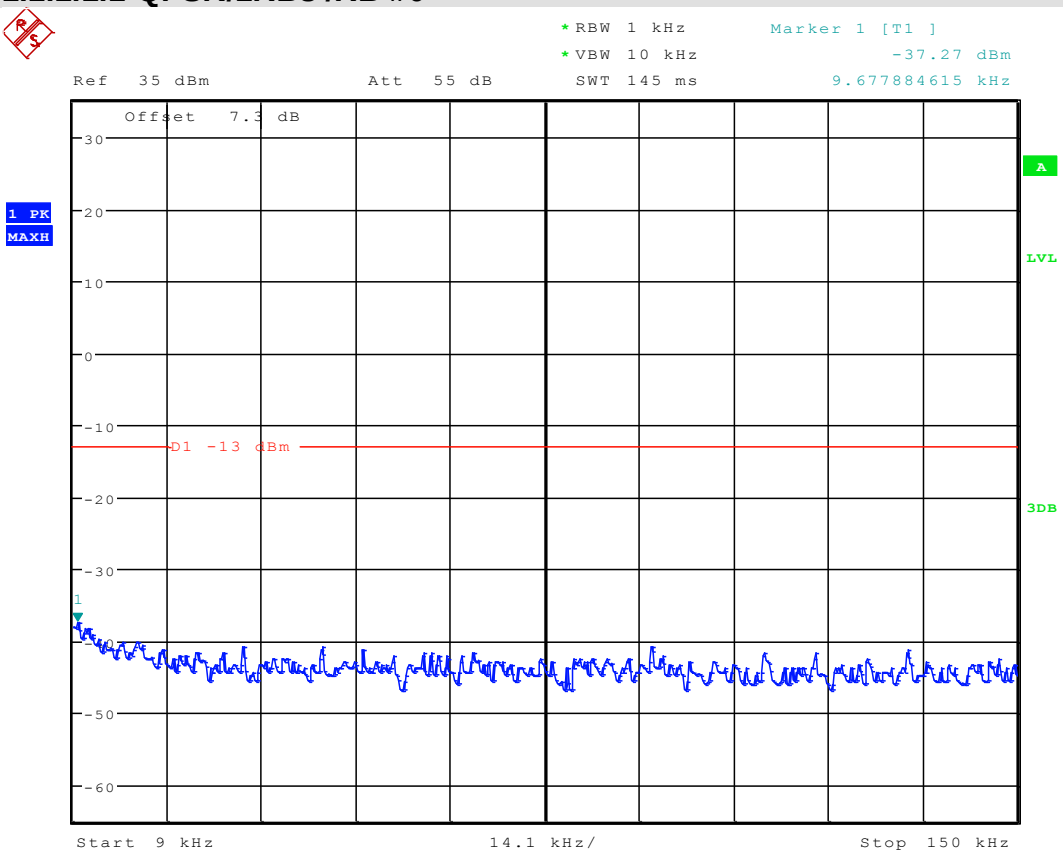
1 For Band 4

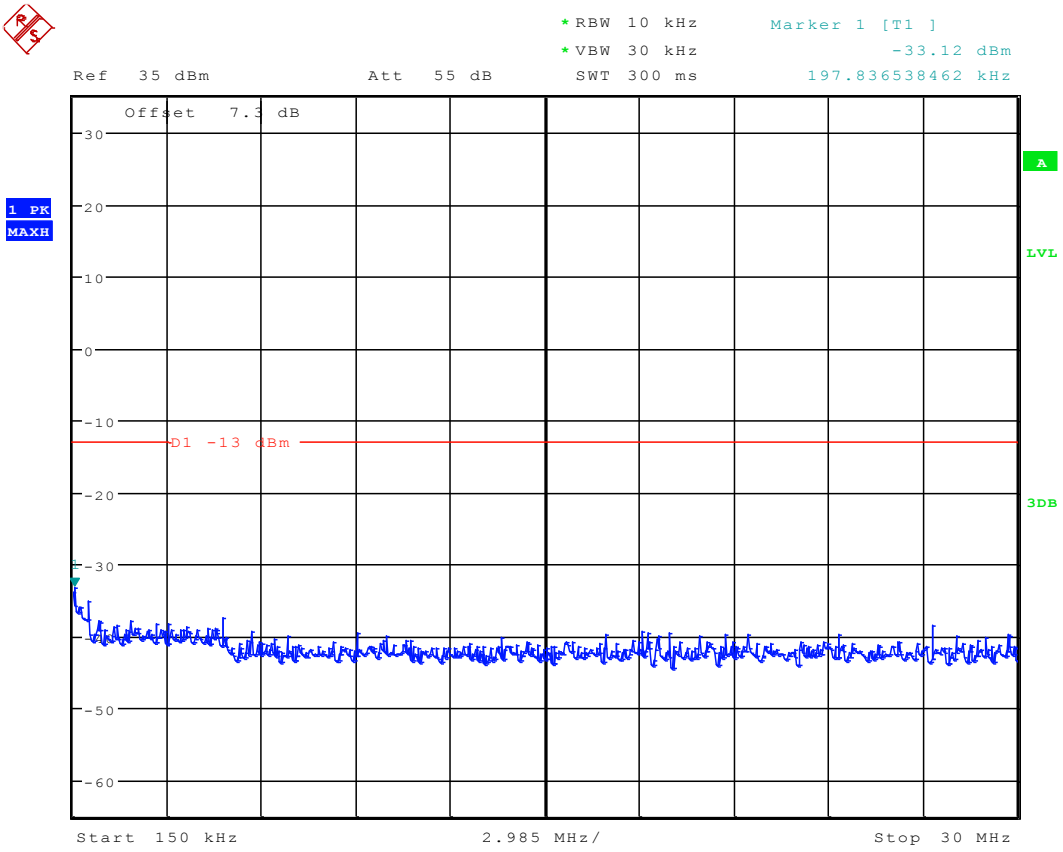
1.1 Test Mode=TM1

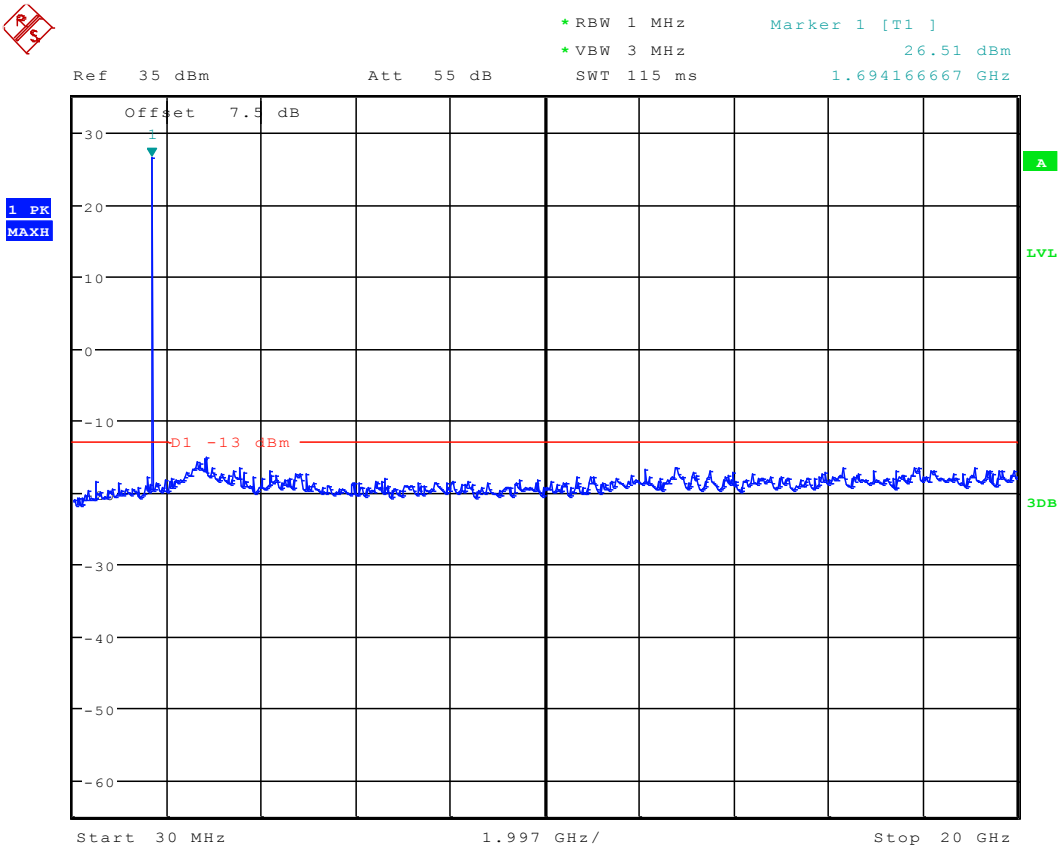
1.1.1 Channel Bandwidth = Lowest (1.4 MHz)

1.1.1.1 Channel = B

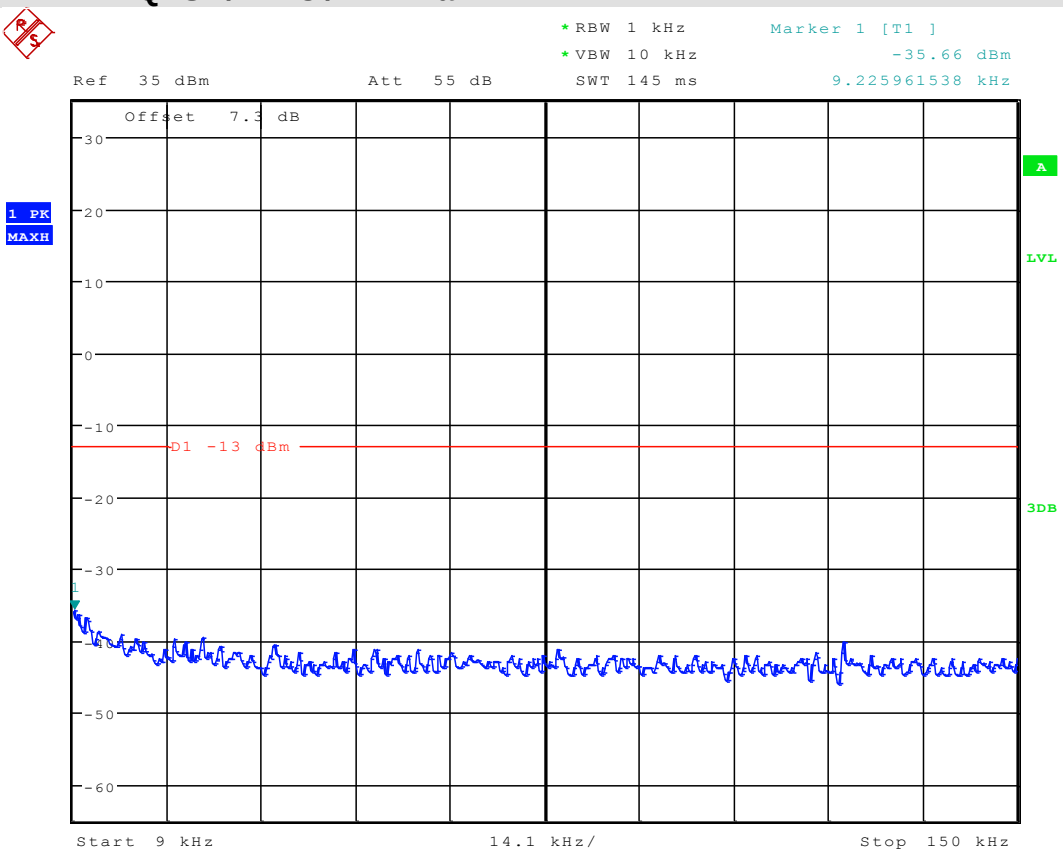
1.1.1.1.1 QPSK/1RBs /RB #0

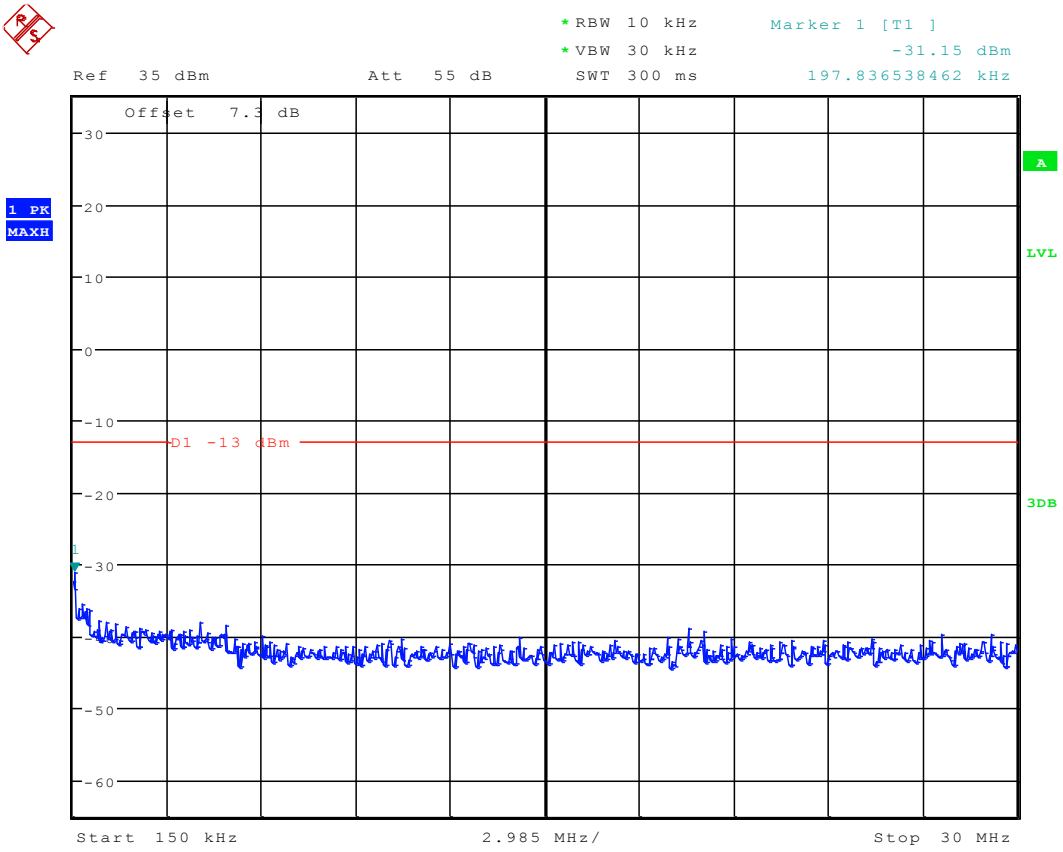


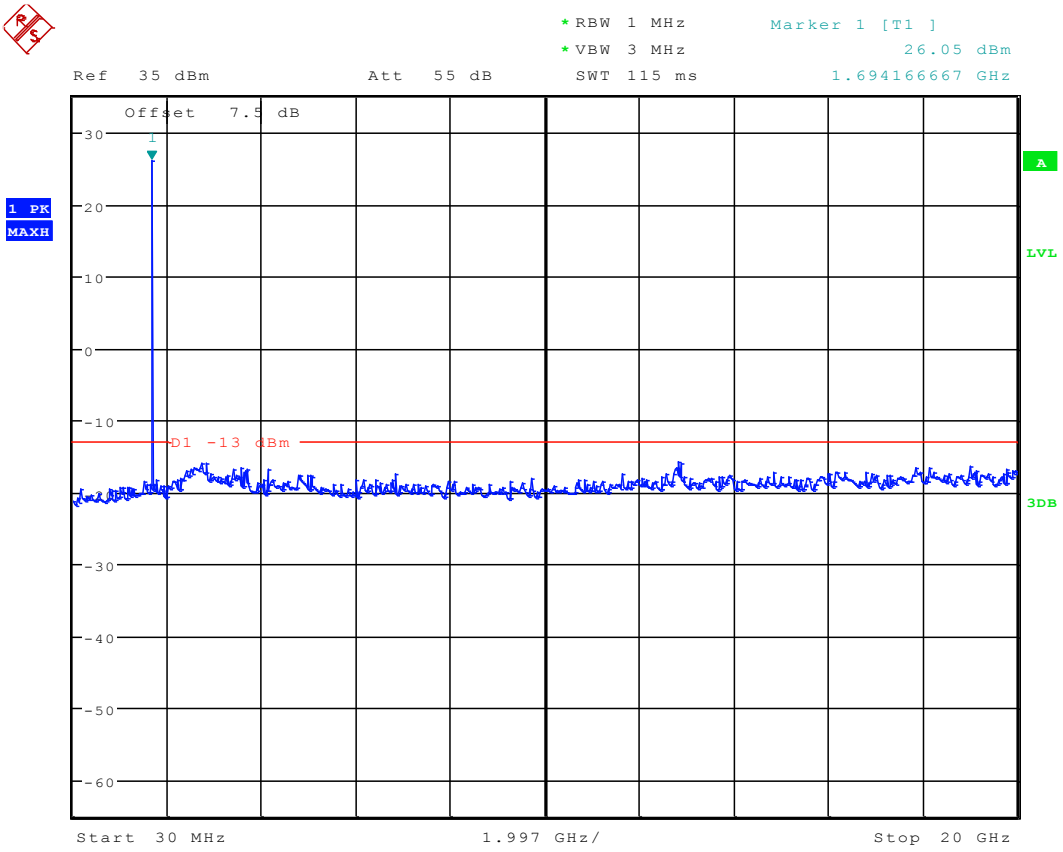

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.12 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.51 dBm
1.694166667 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

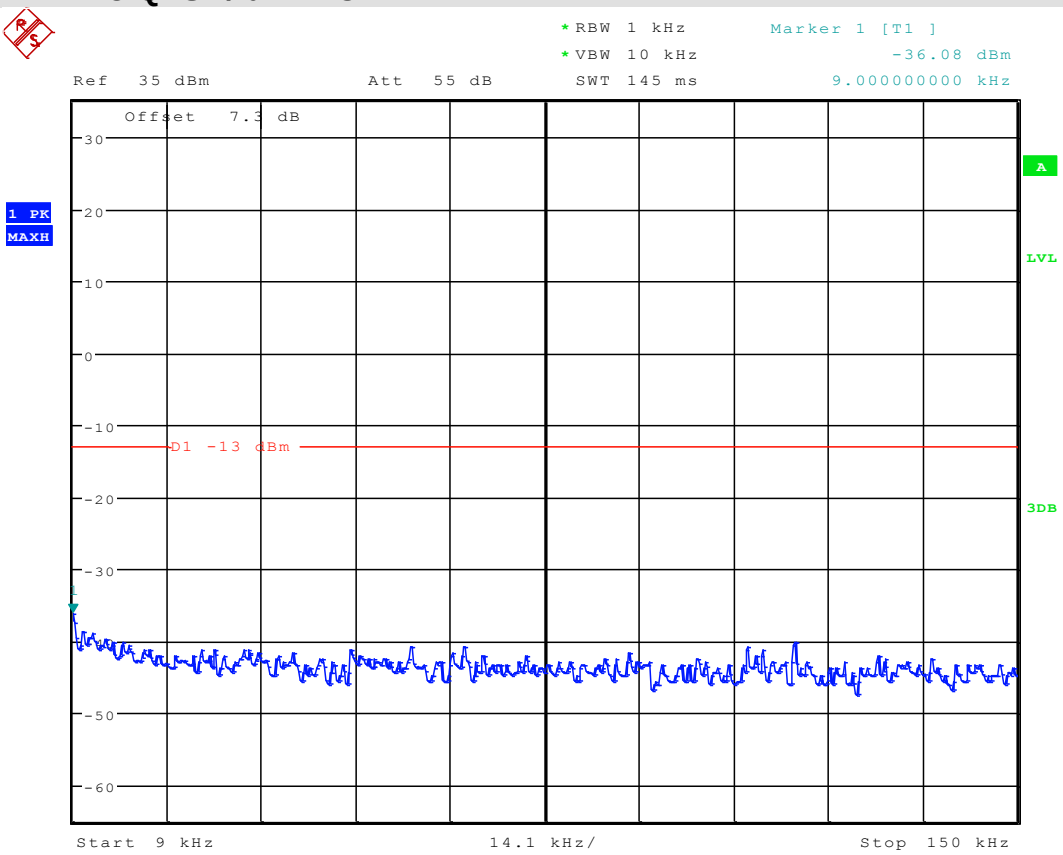
1.1.1.1.2 QPSK/1RBs /RB #max

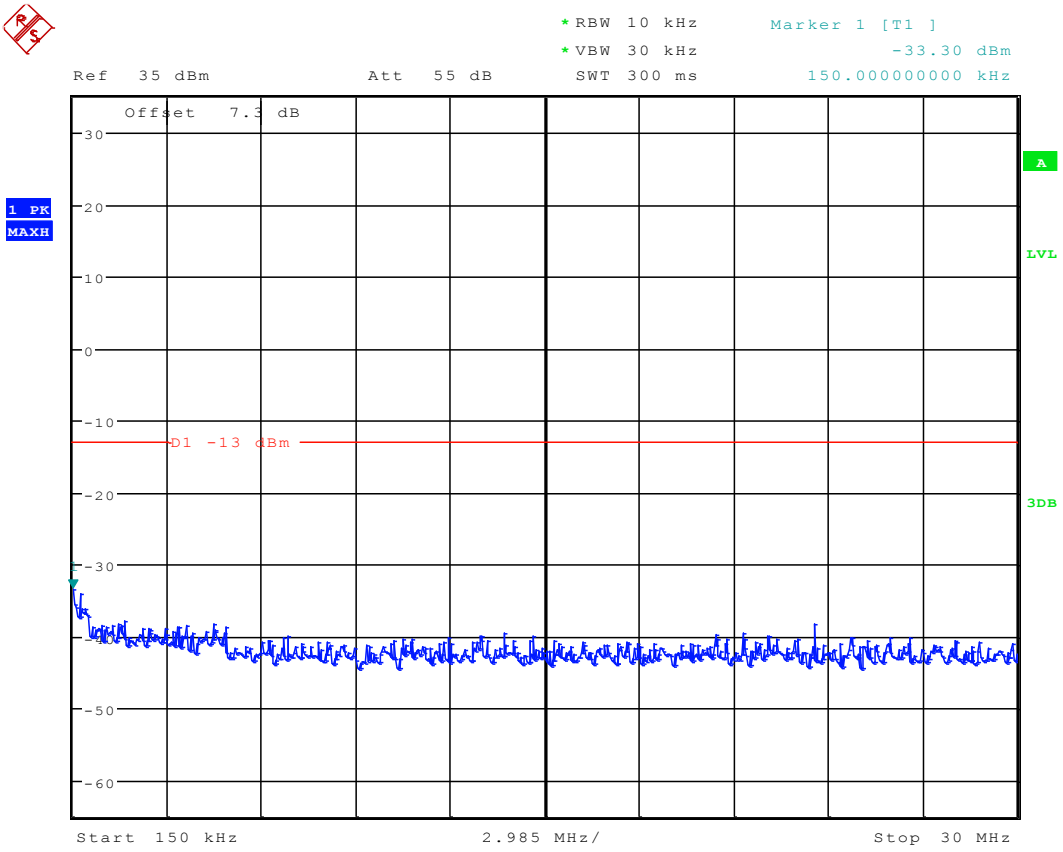


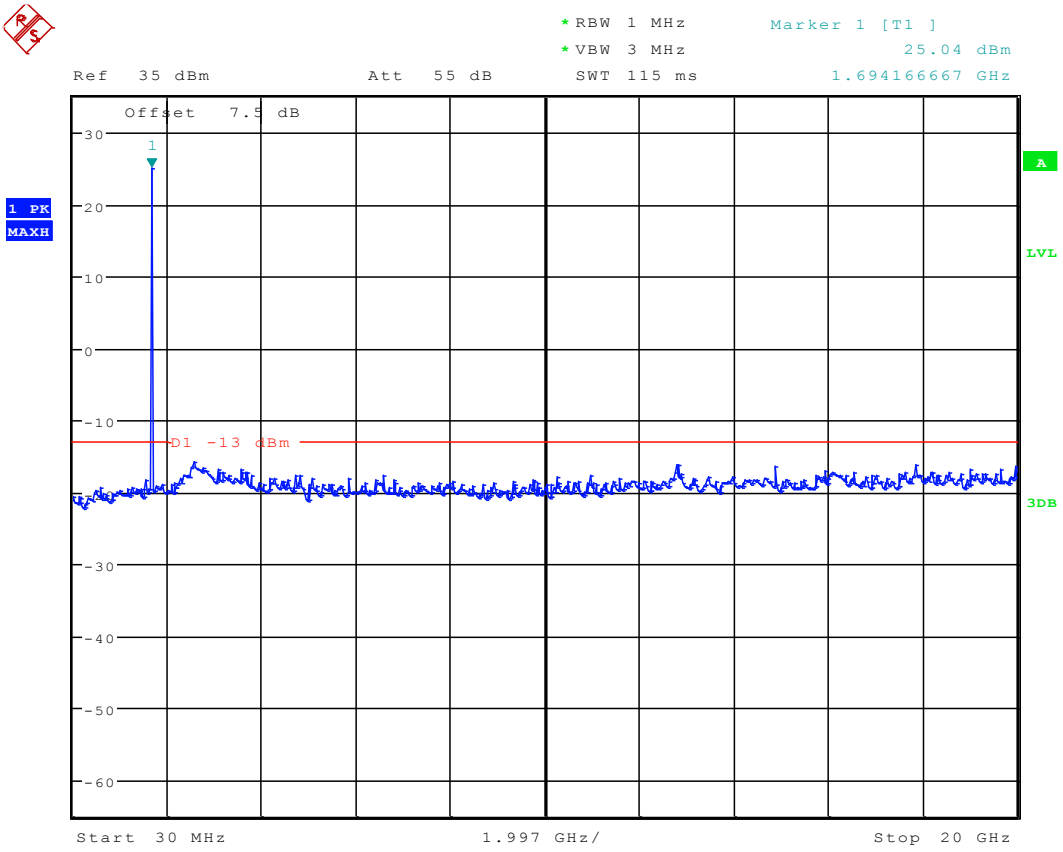

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.15 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.05 dBm
1.694166667 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.1.1.3 QPSK/full RBs

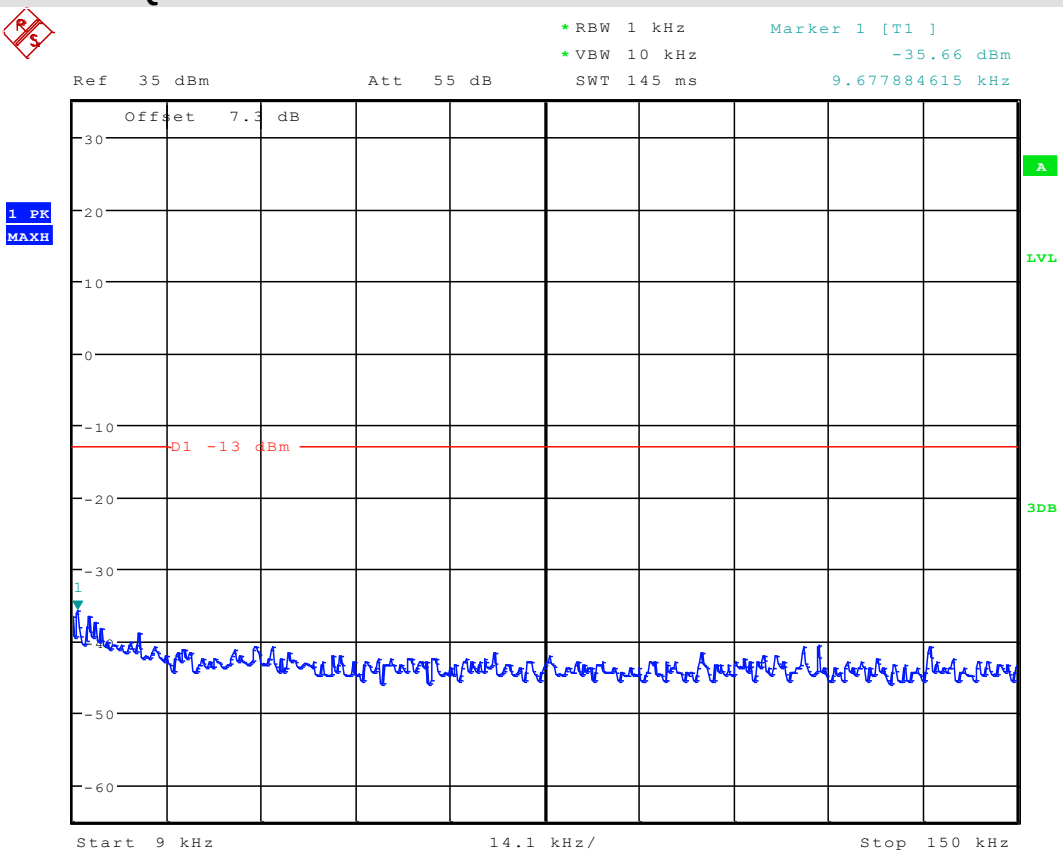


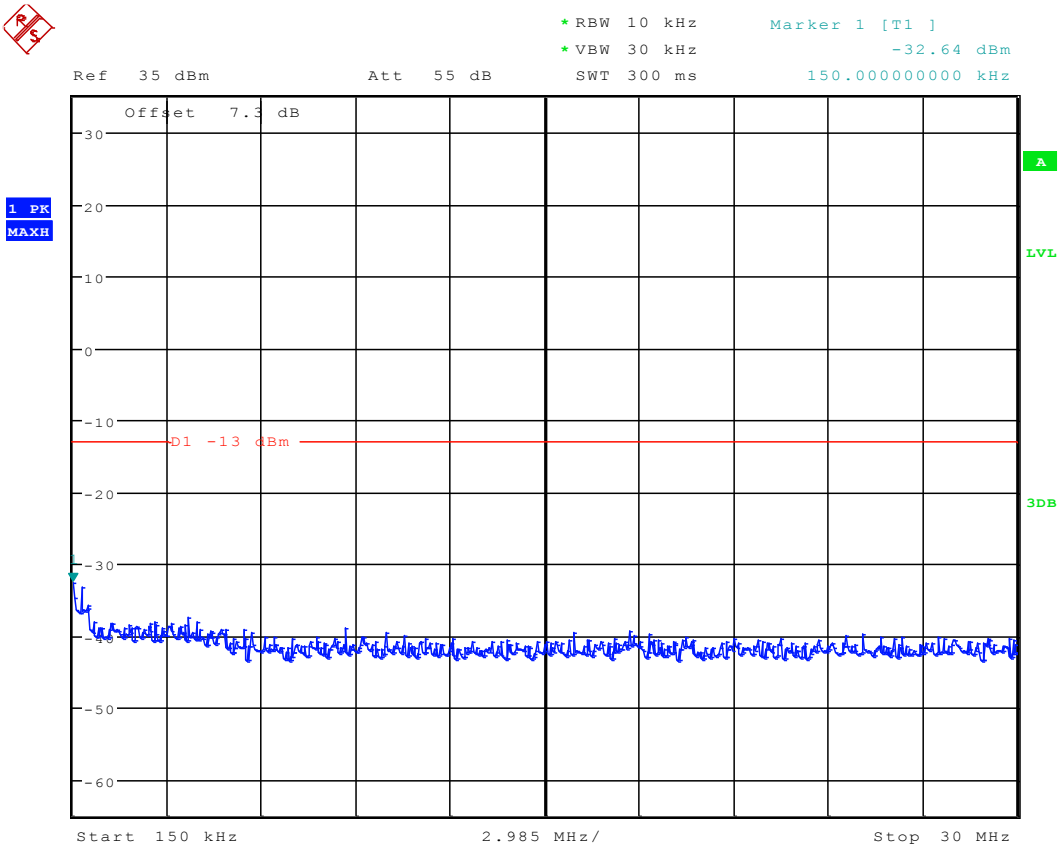

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.30 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

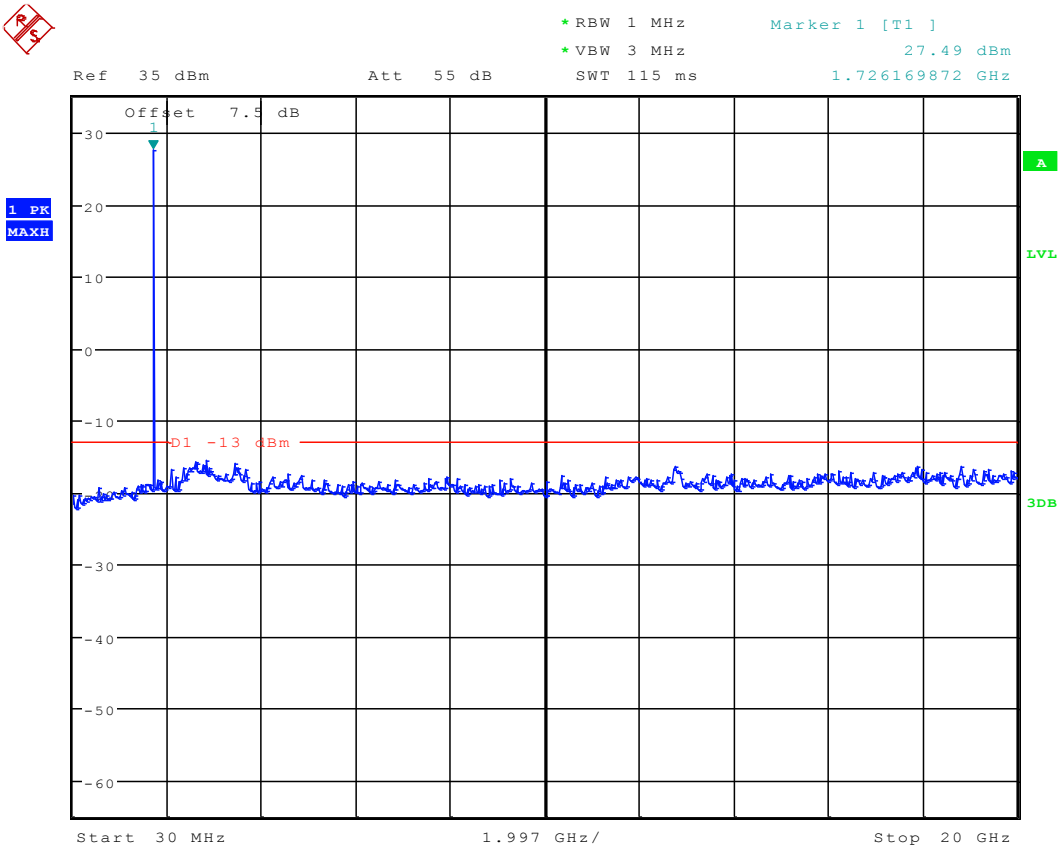

* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
25.04 dBm
1.694166667 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.1.2 Channel = M

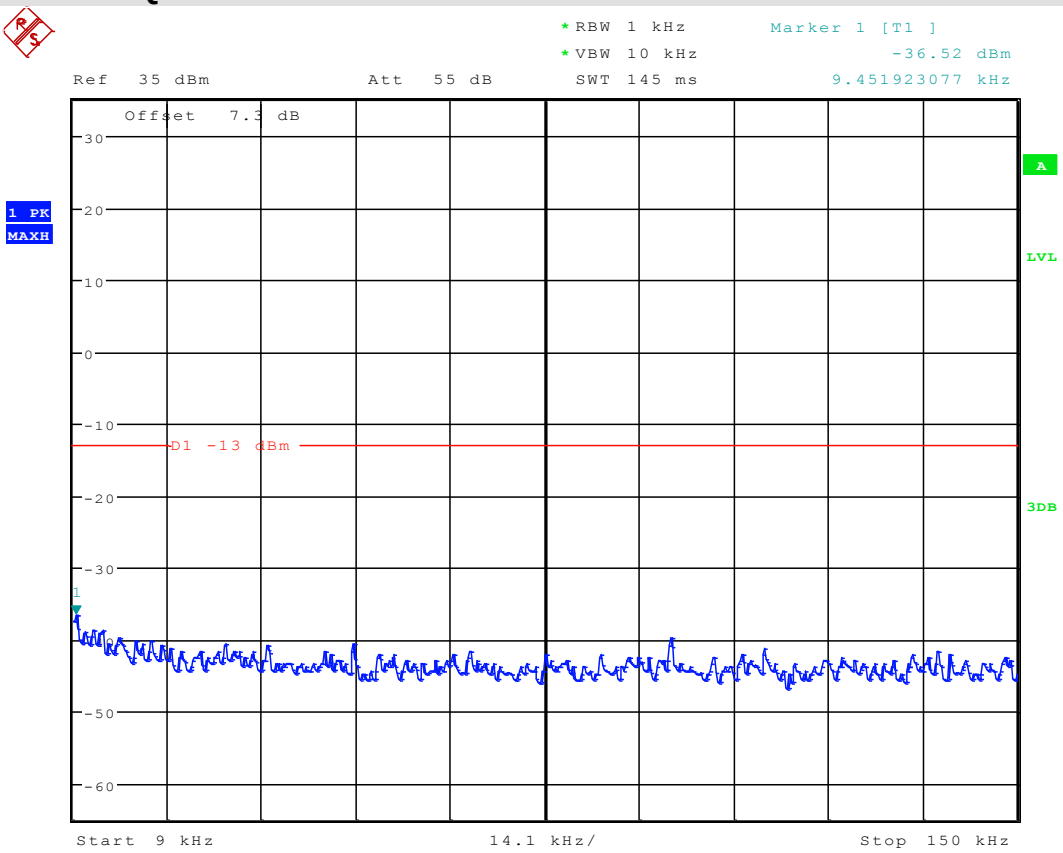
1.1.1.2.1 QPSK/1RBs /RB #0

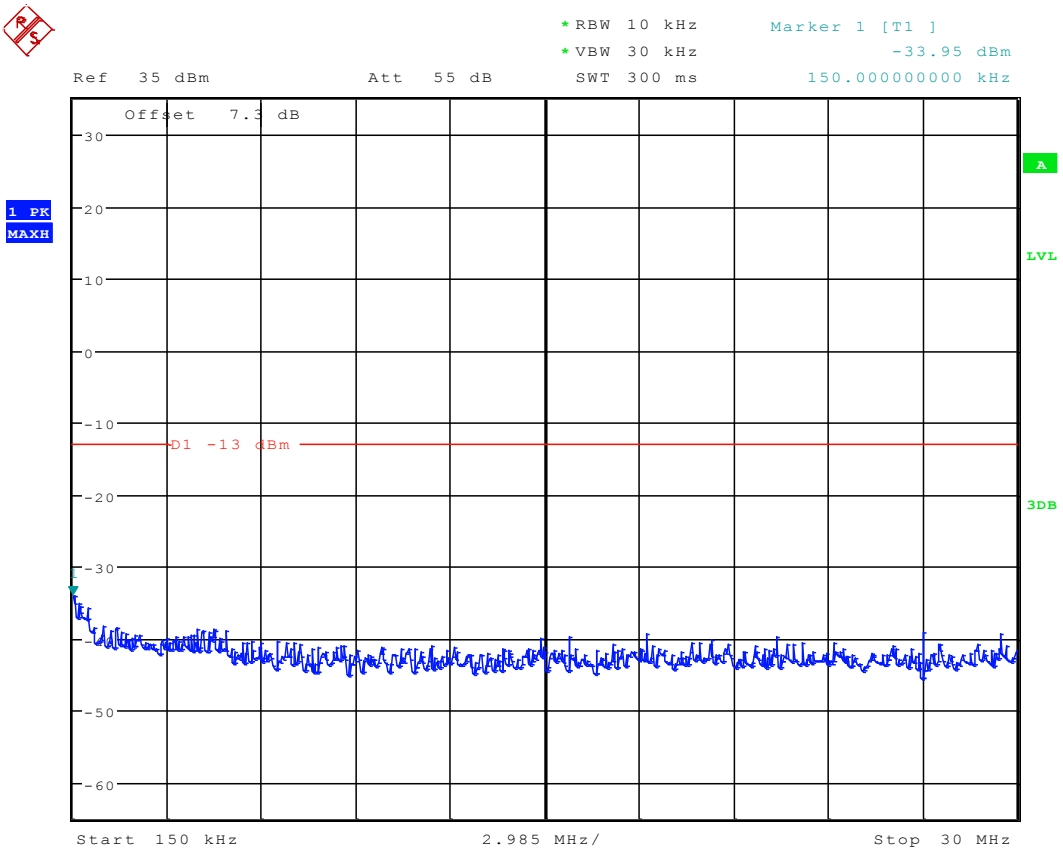


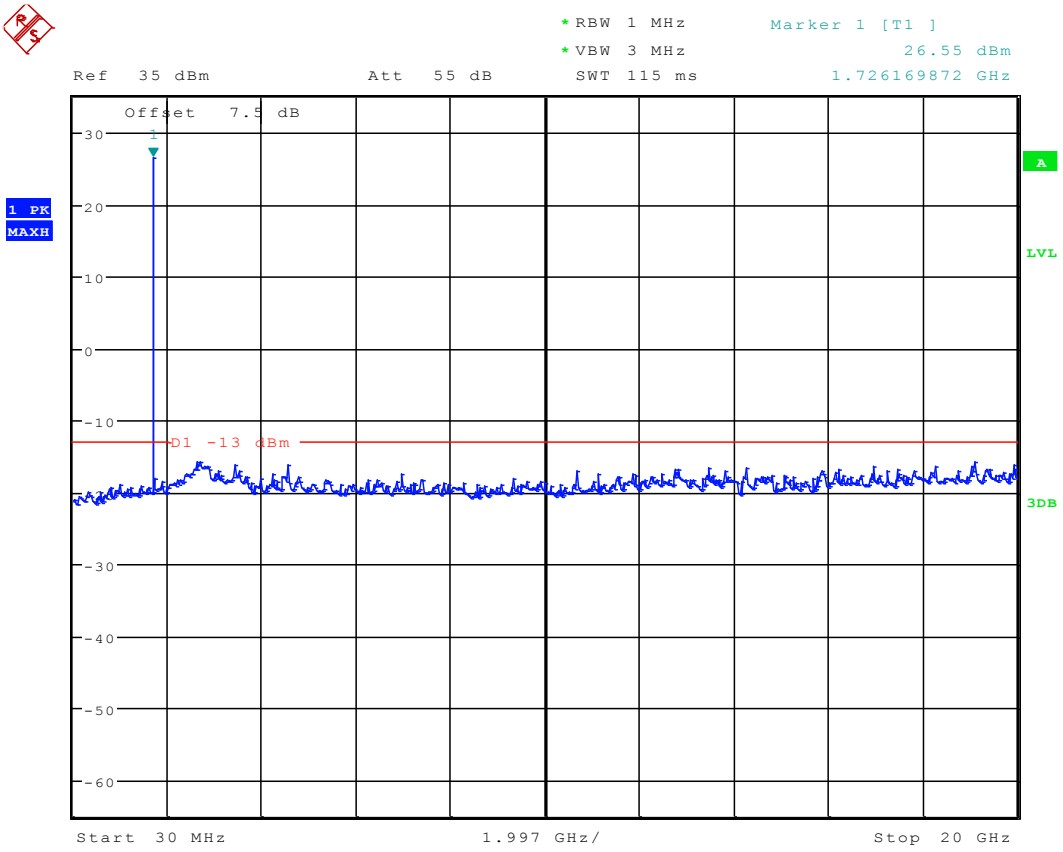

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.64 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
27.49 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

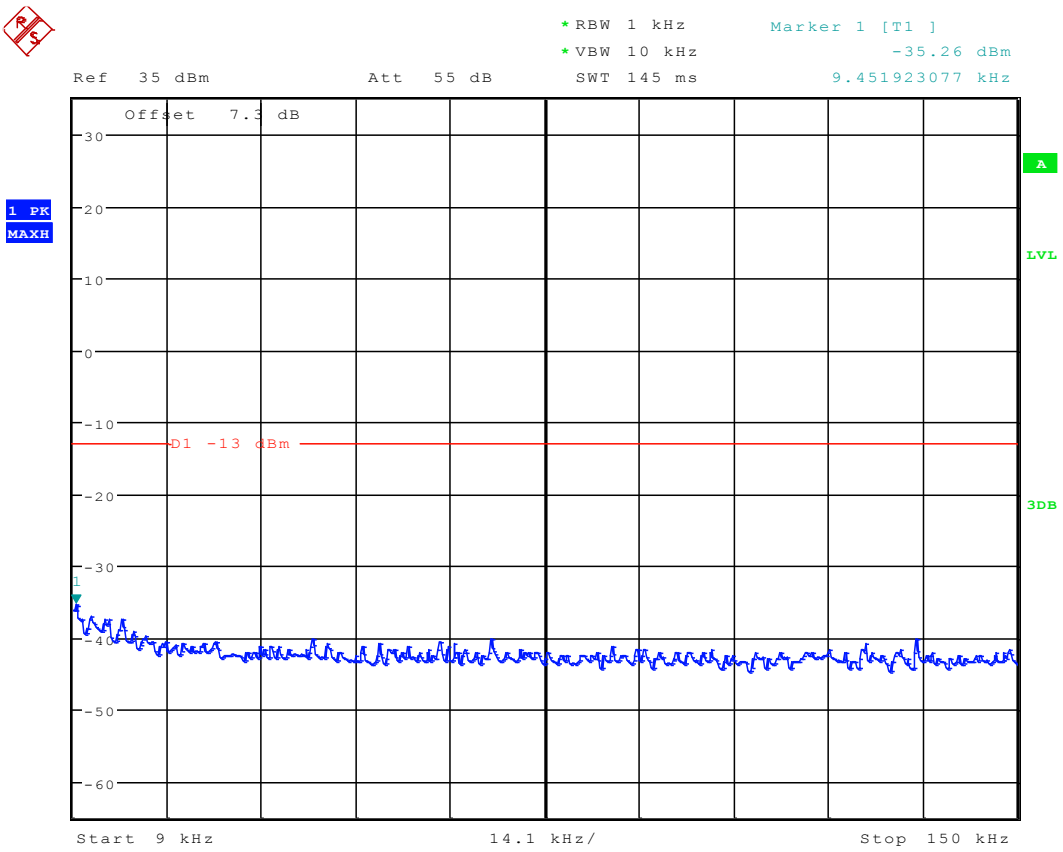
1.1.1.2.2 QPSK/1RBs /RB #max

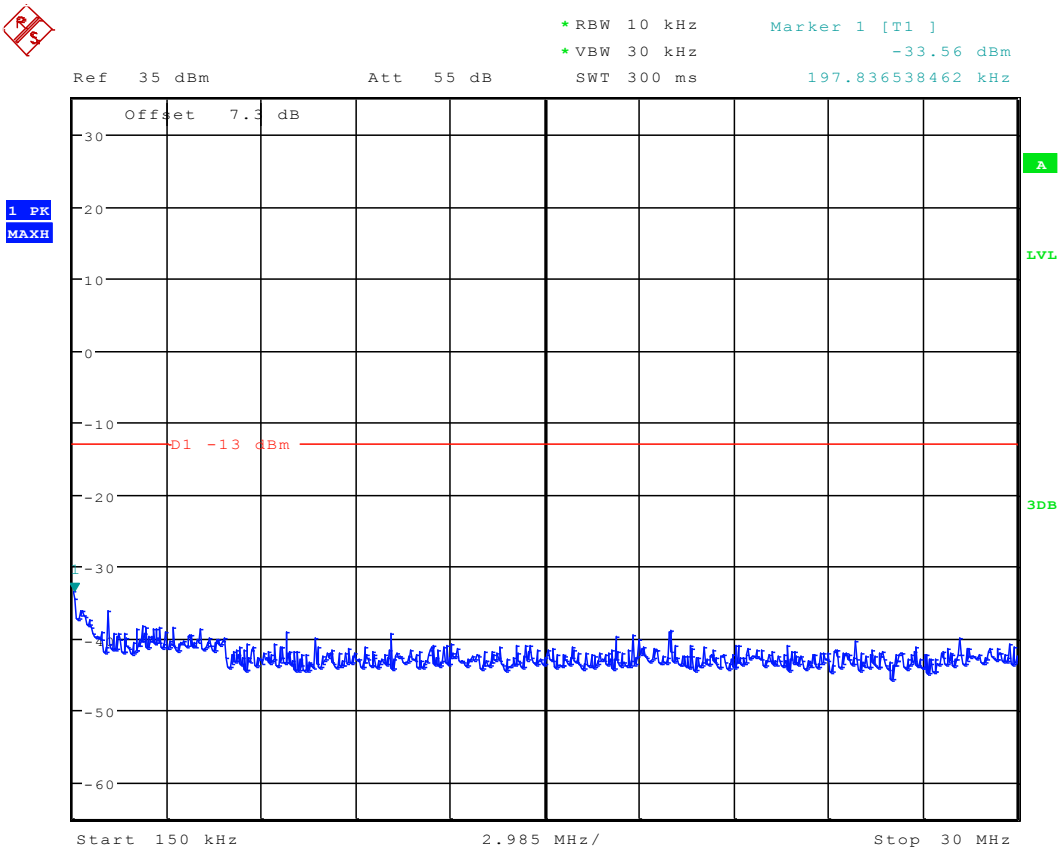


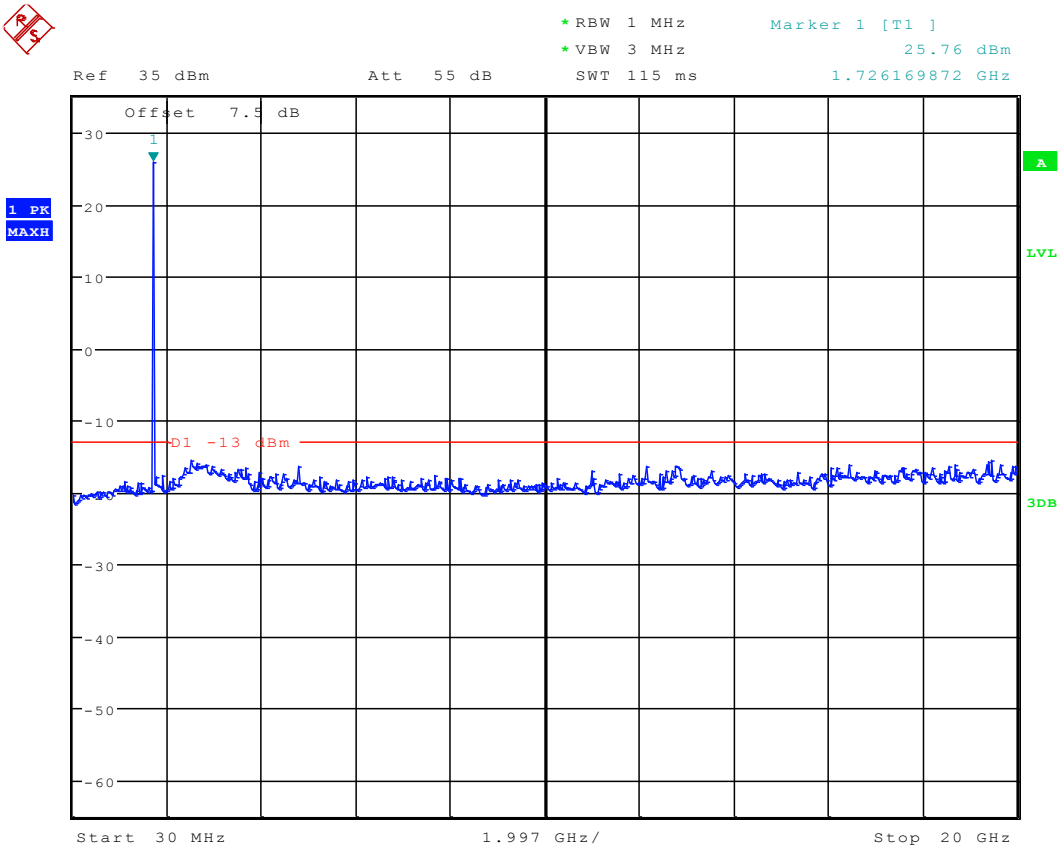

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.95 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.55 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.1.2.3 QPSK/full RBs

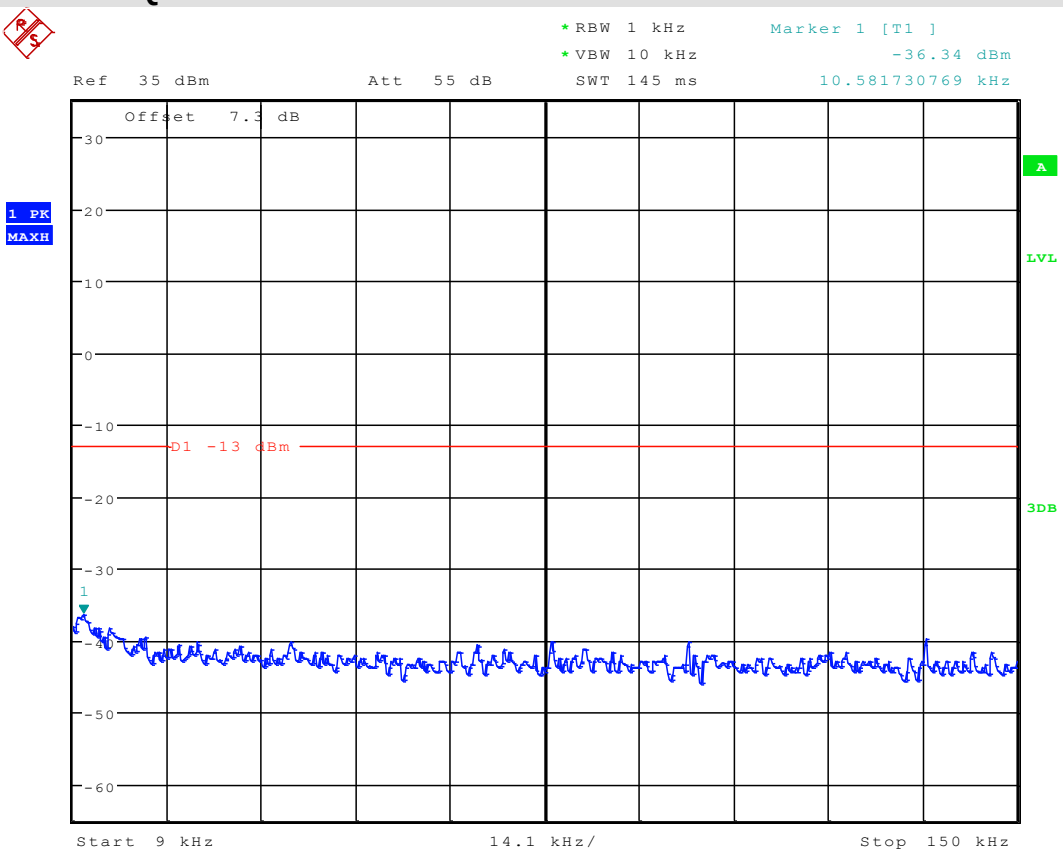


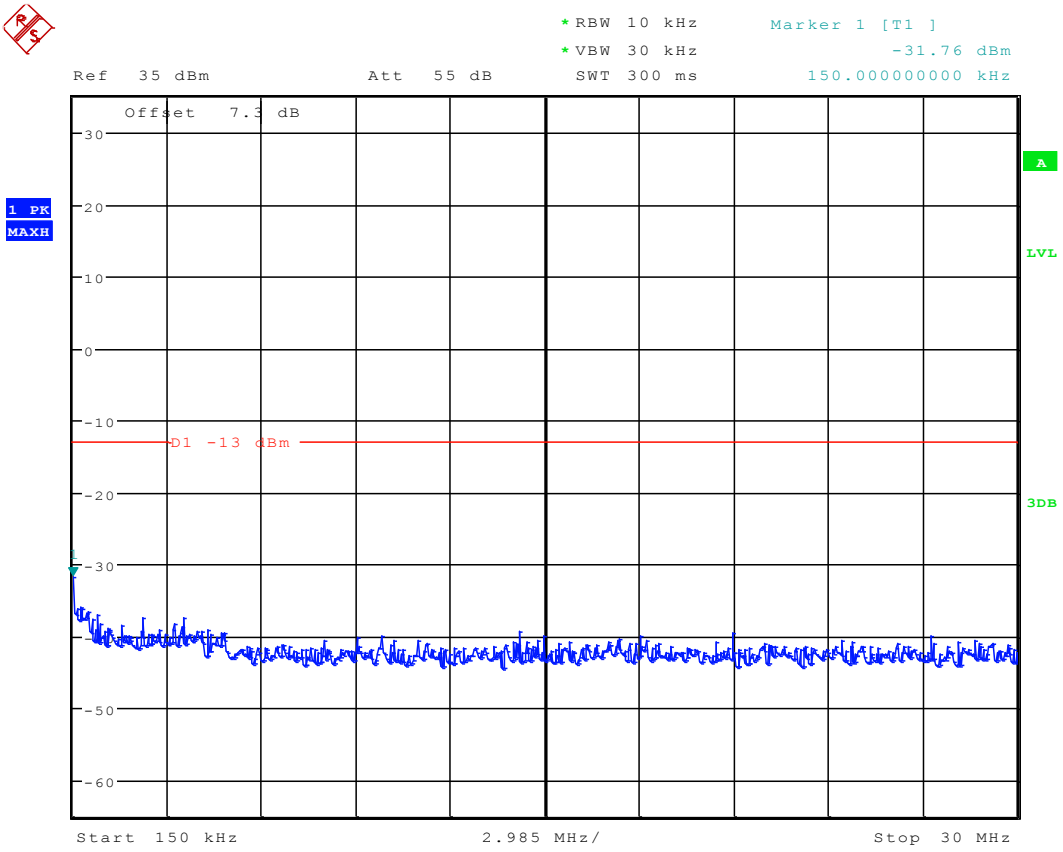

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.56 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

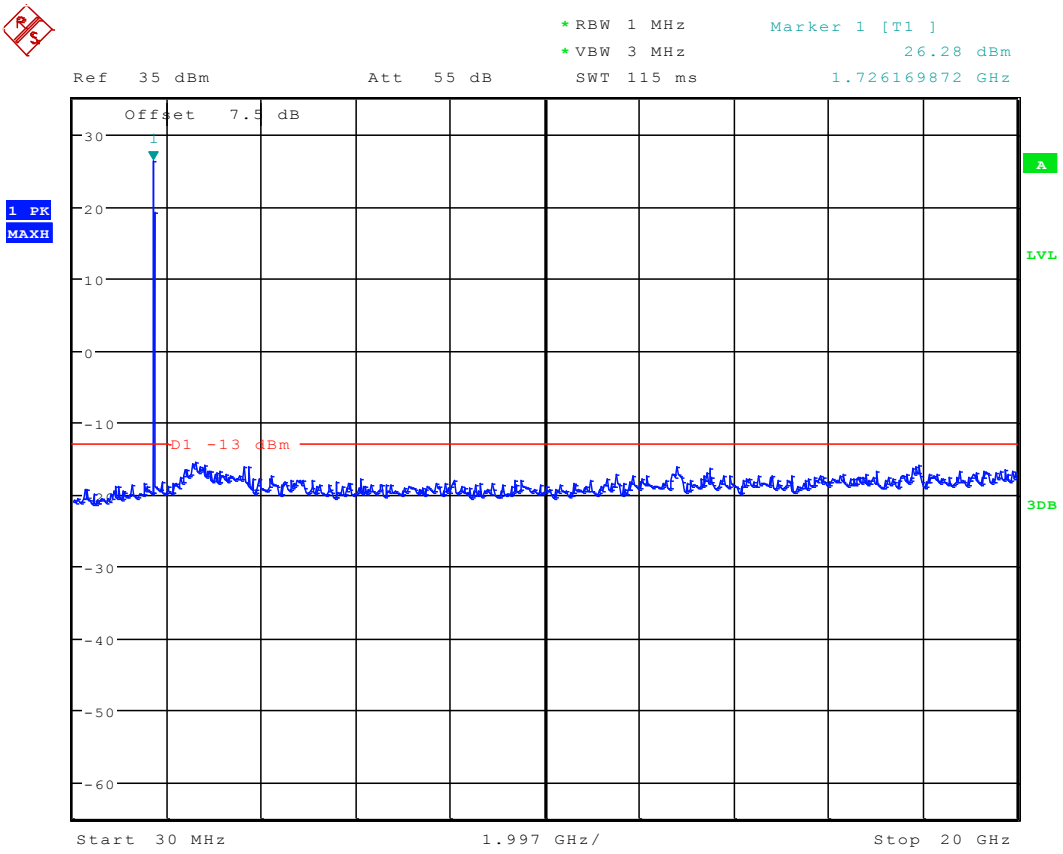

RBW 1 MHz
VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
25.76 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.1.3 Channel = T

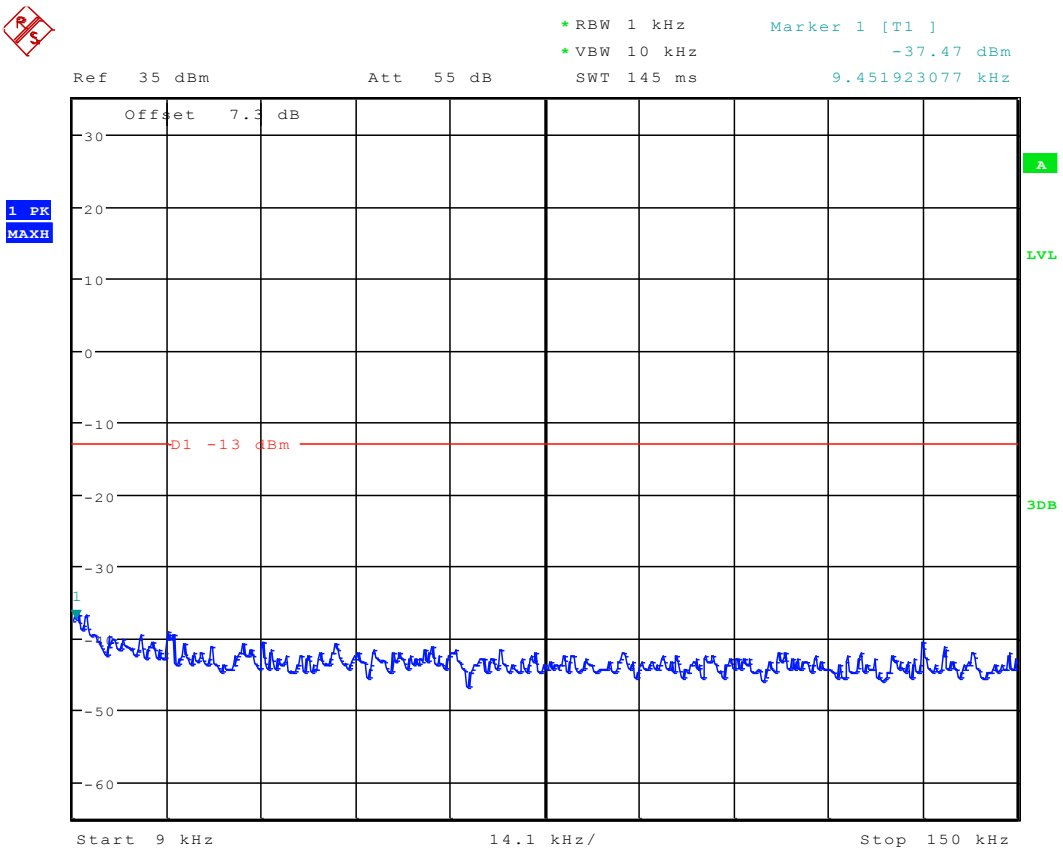
1.1.1.3.1 QPSK/1RBs /RB #0

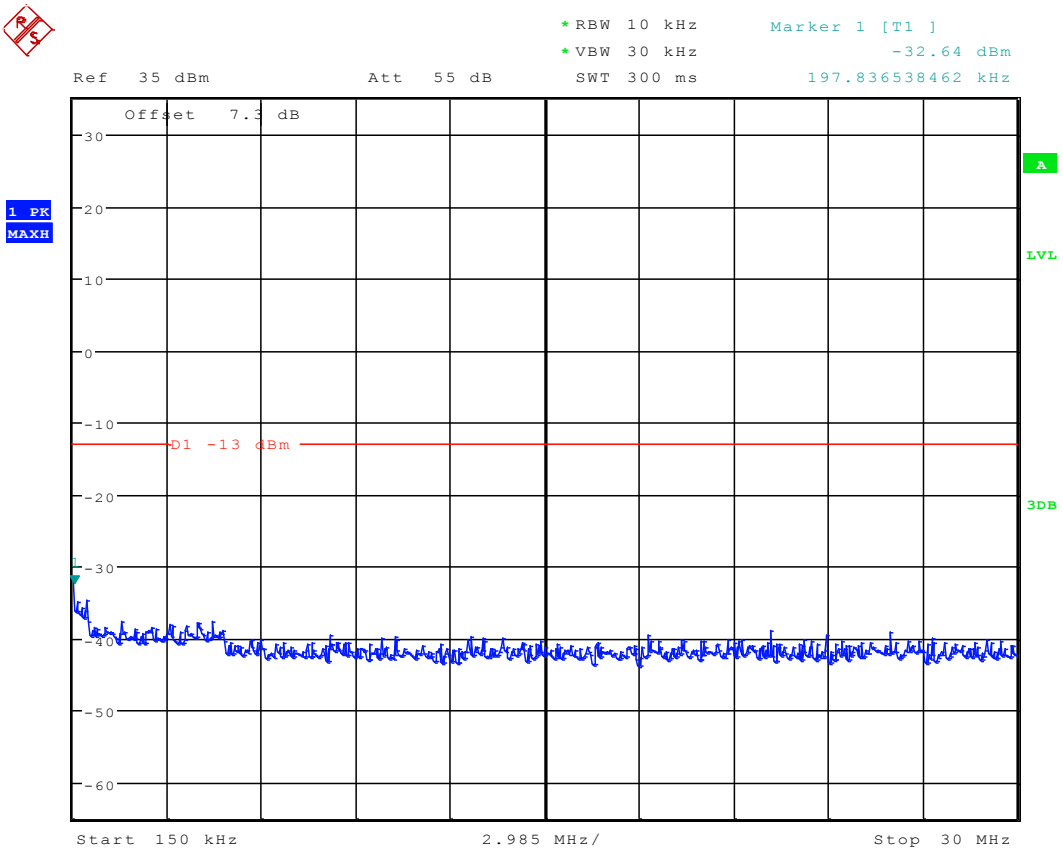


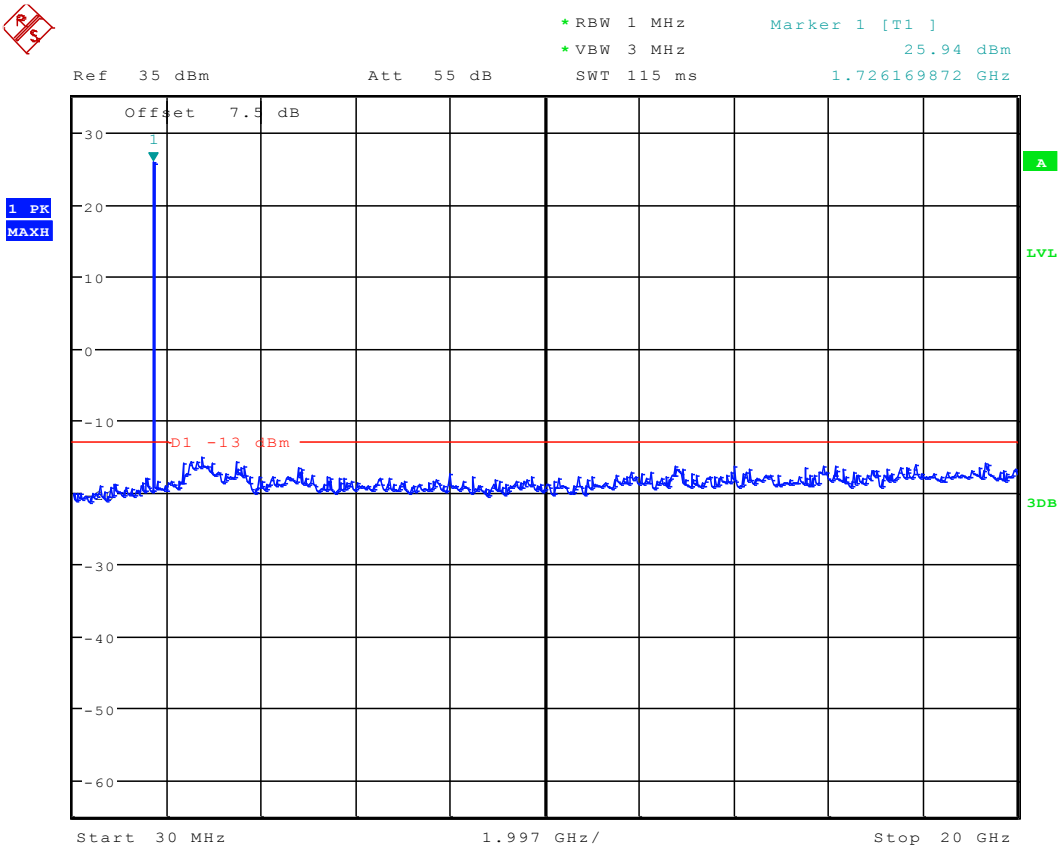

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.76 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


RBW 1 MHz
VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.28 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

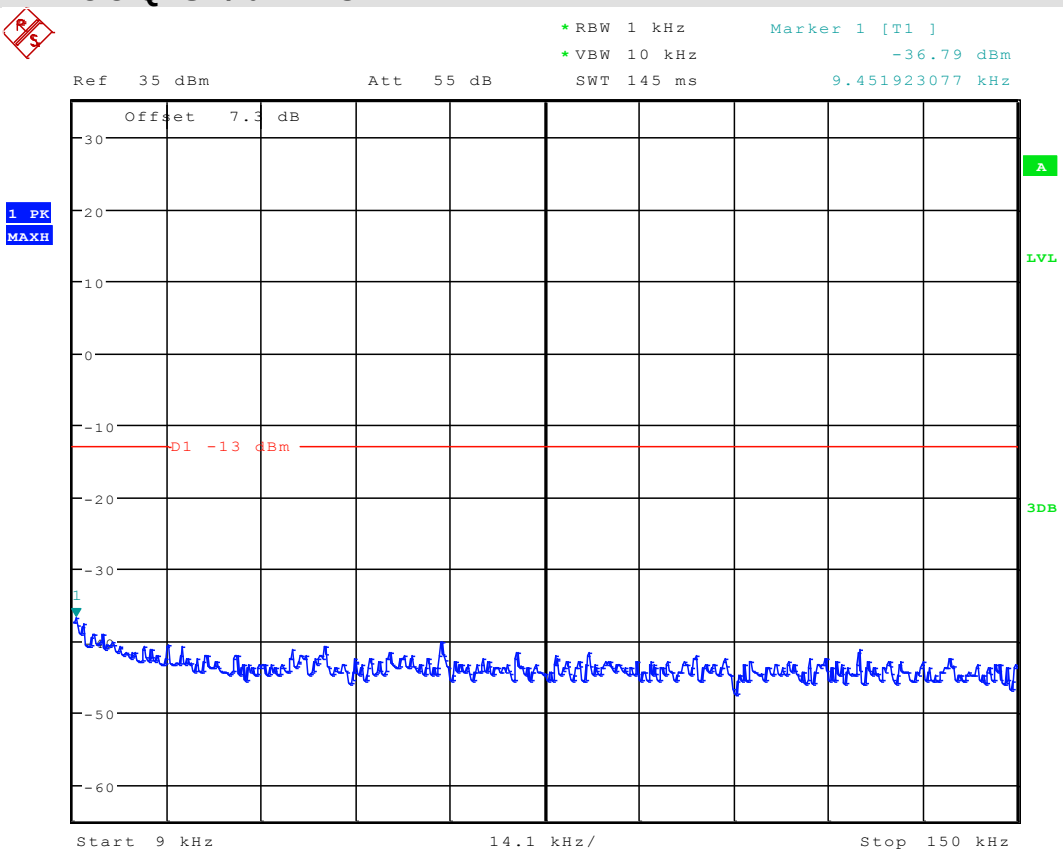
1.1.1.3.2 QPSK/1RBs /RB #max

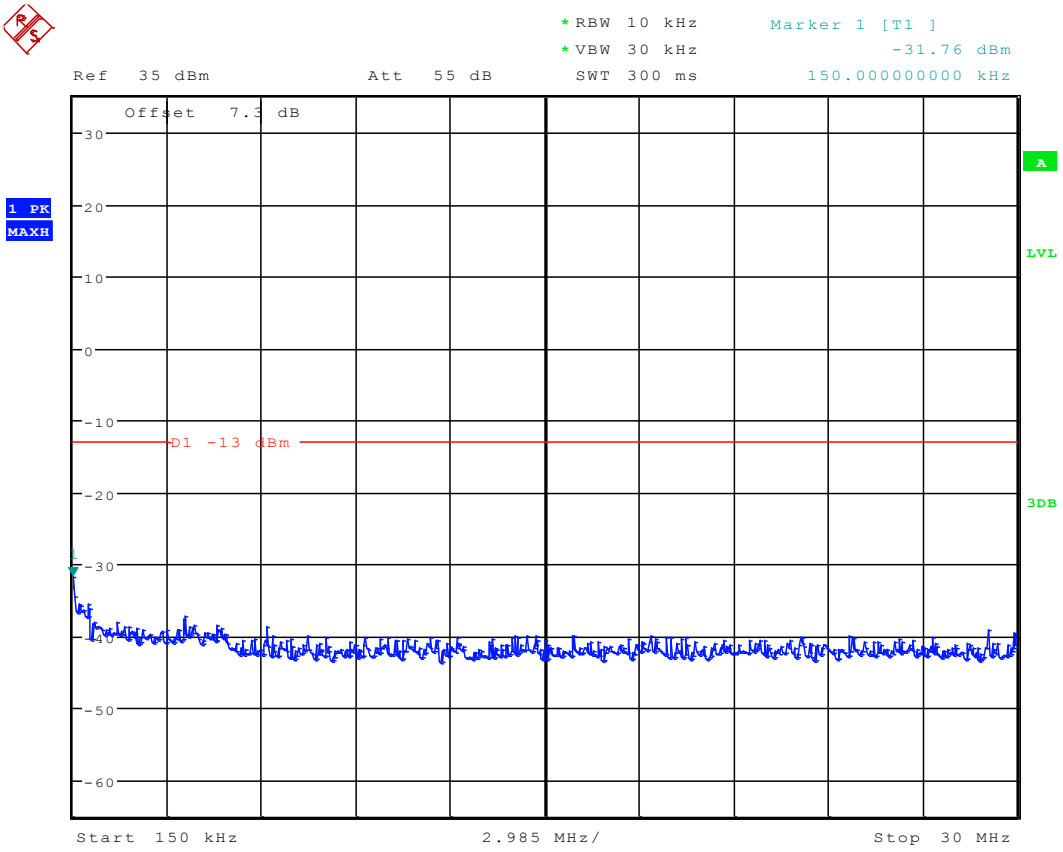


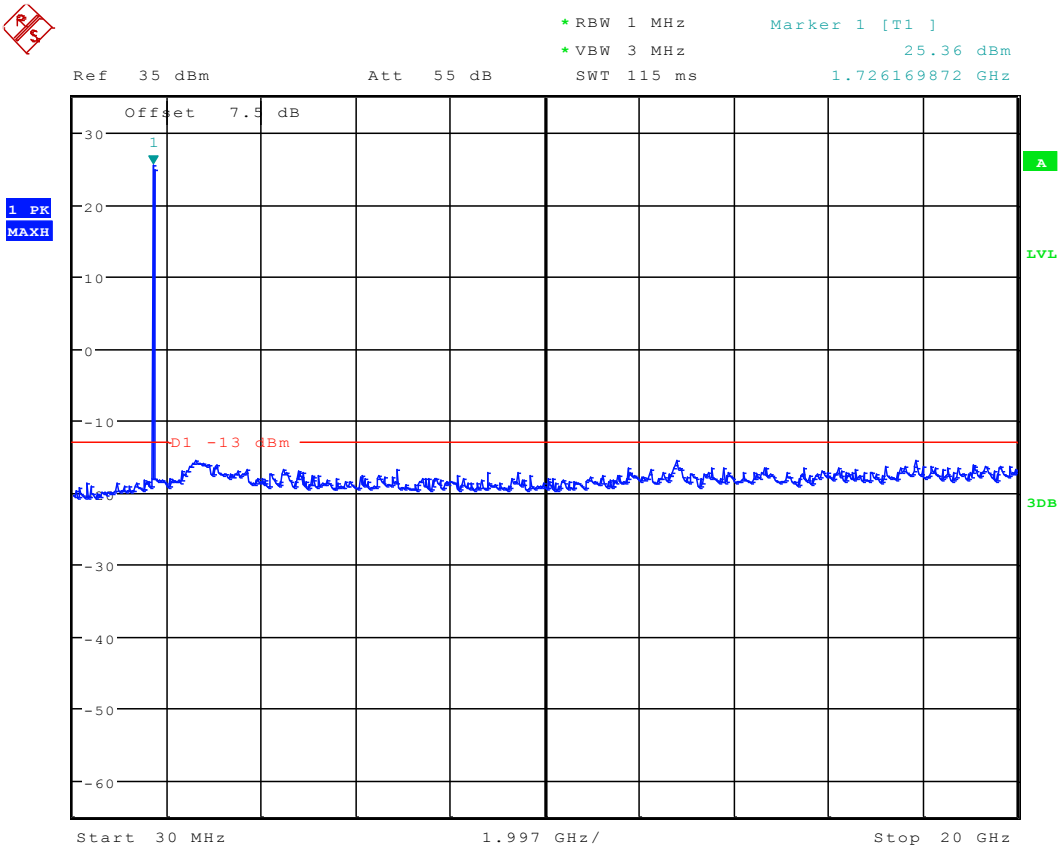

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.64 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz


RBW 1 MHz
VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
25.94 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.1.3.3 QPSK/full RBs



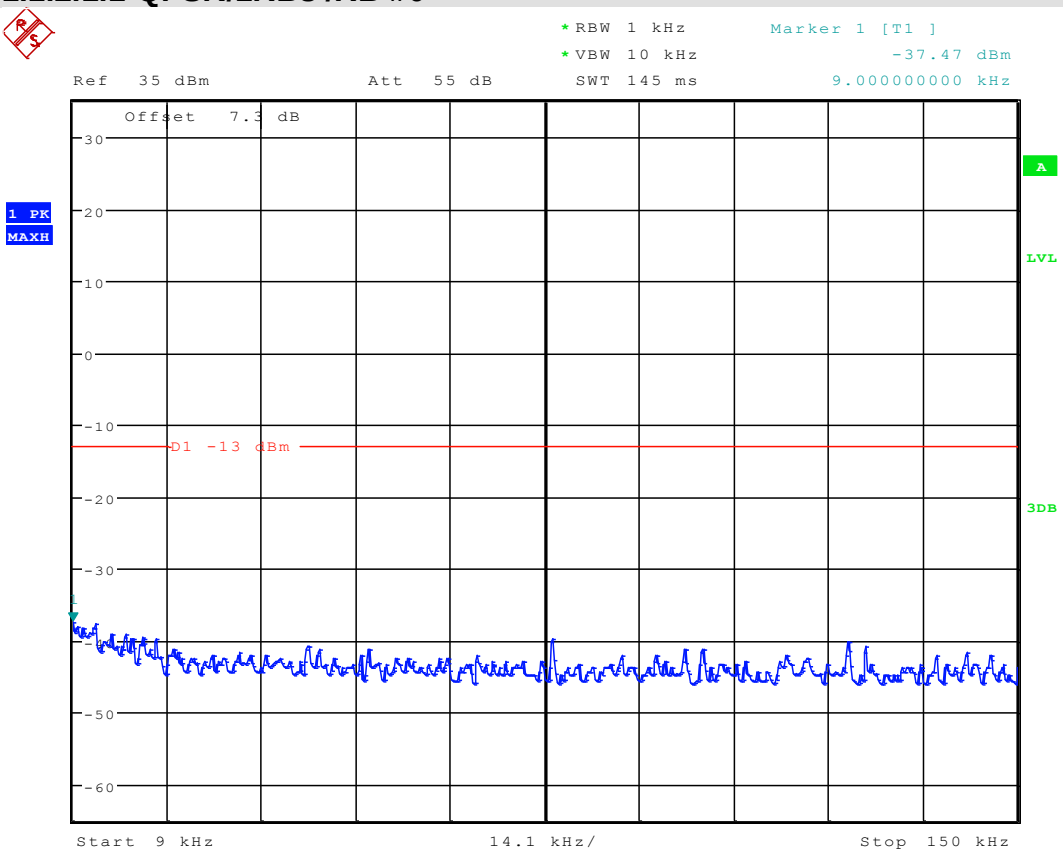

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.76 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

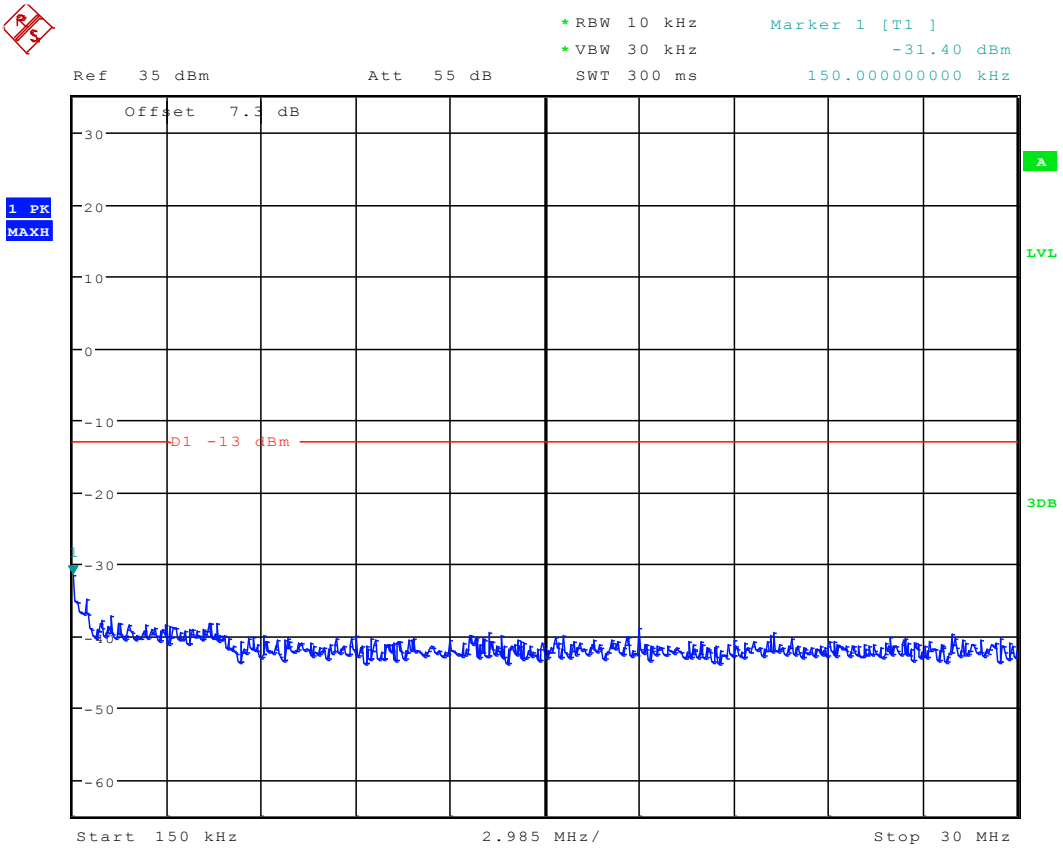

* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
25.36 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

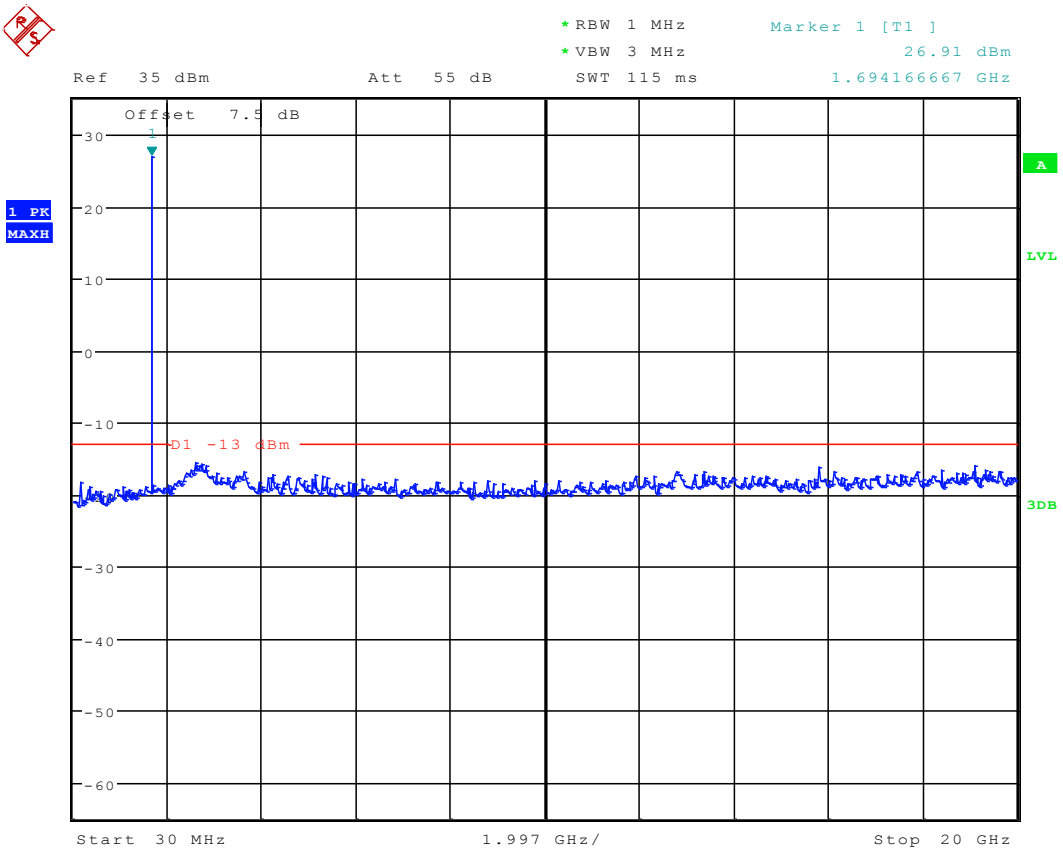
1.1.2 Channel Bandwidth =5 MHz

1.1.2.1 Channel = B

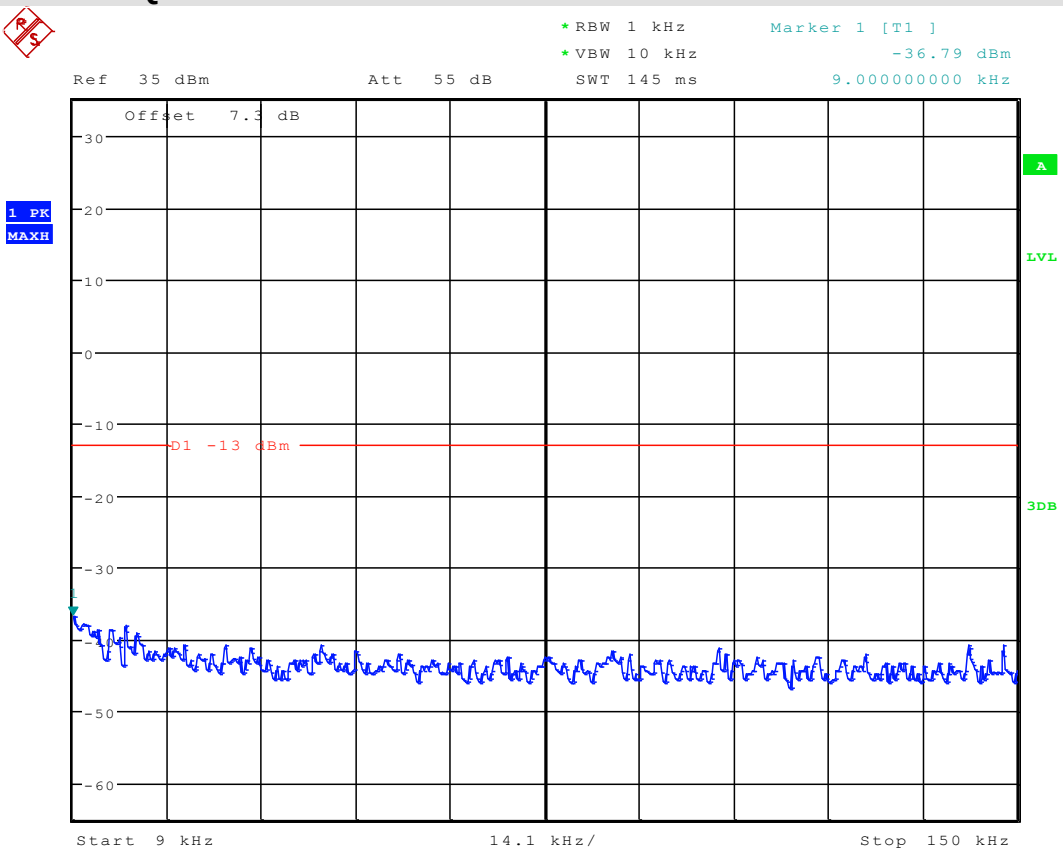
1.1.2.1.1 QPSK/1RBs /RB #0

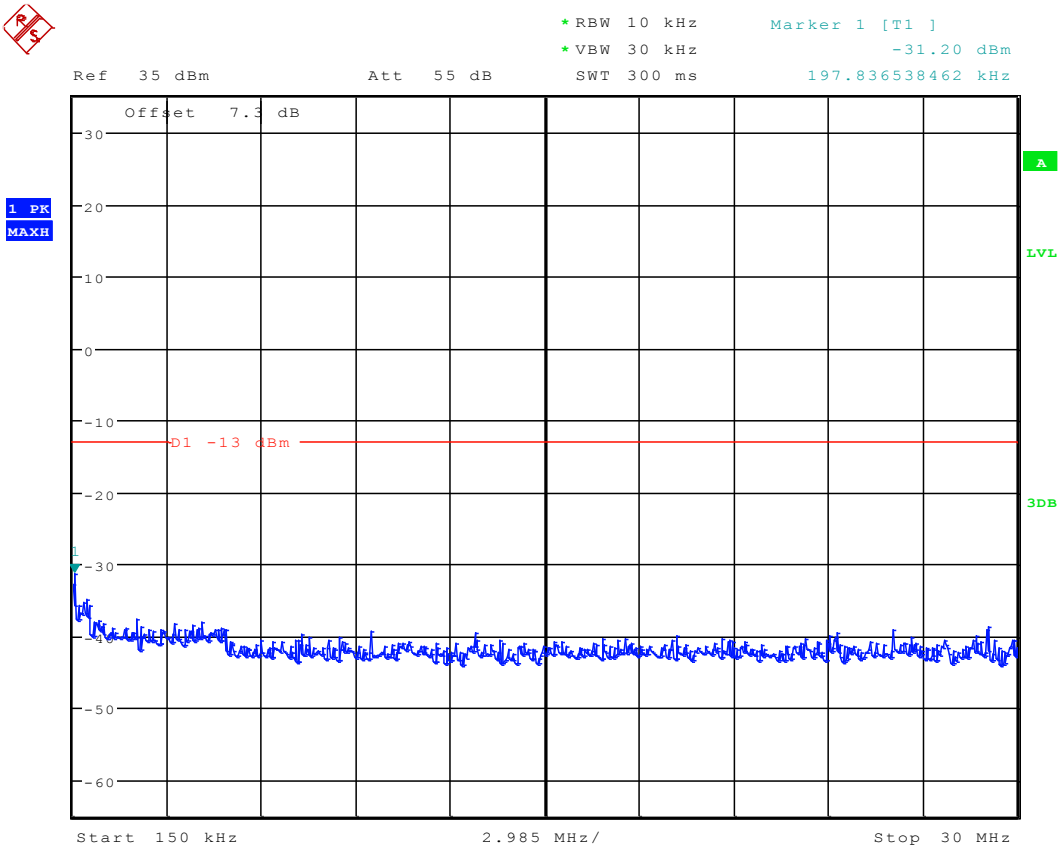


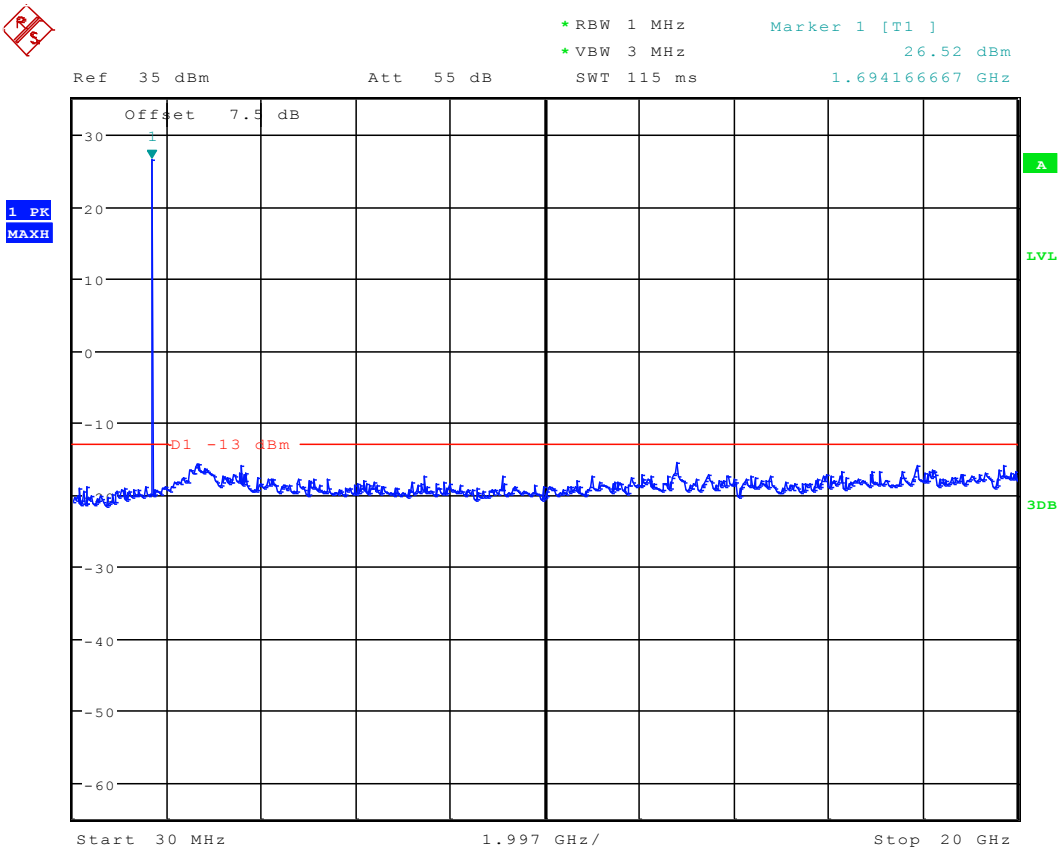

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.40 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.91 dBm
1.694166667 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

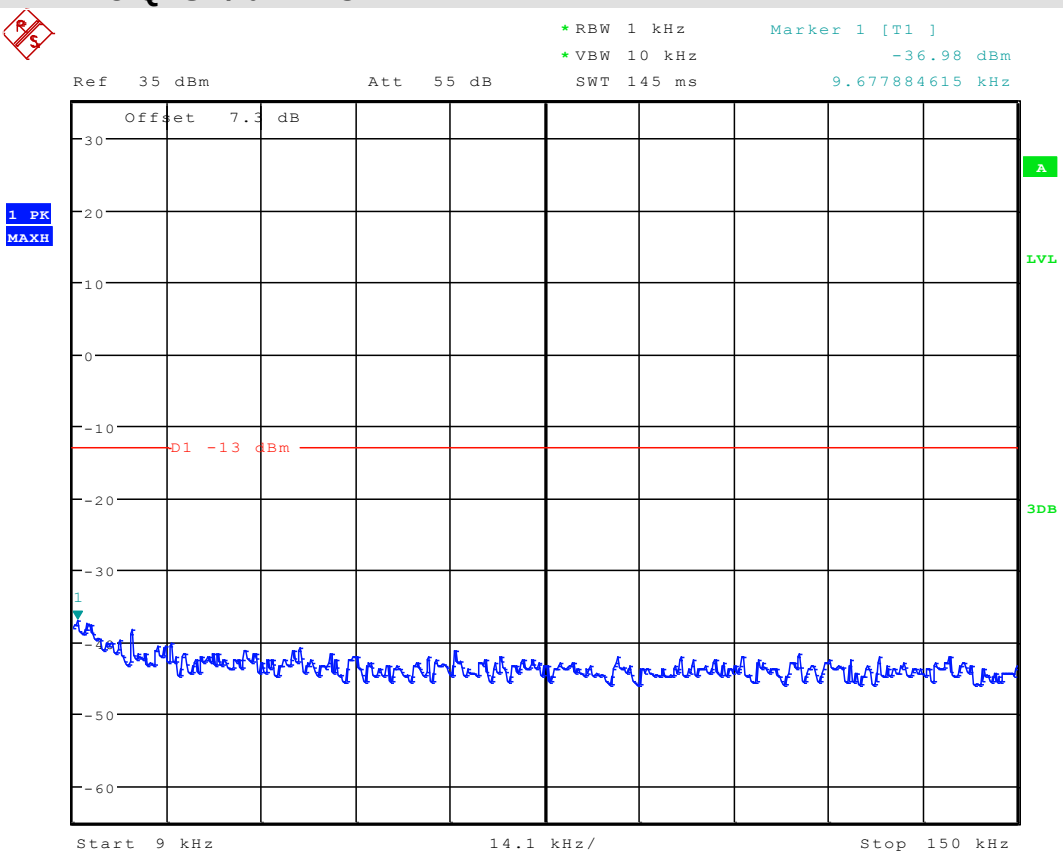
1.1.2.1.2 QPSK/1RBs /RB #max

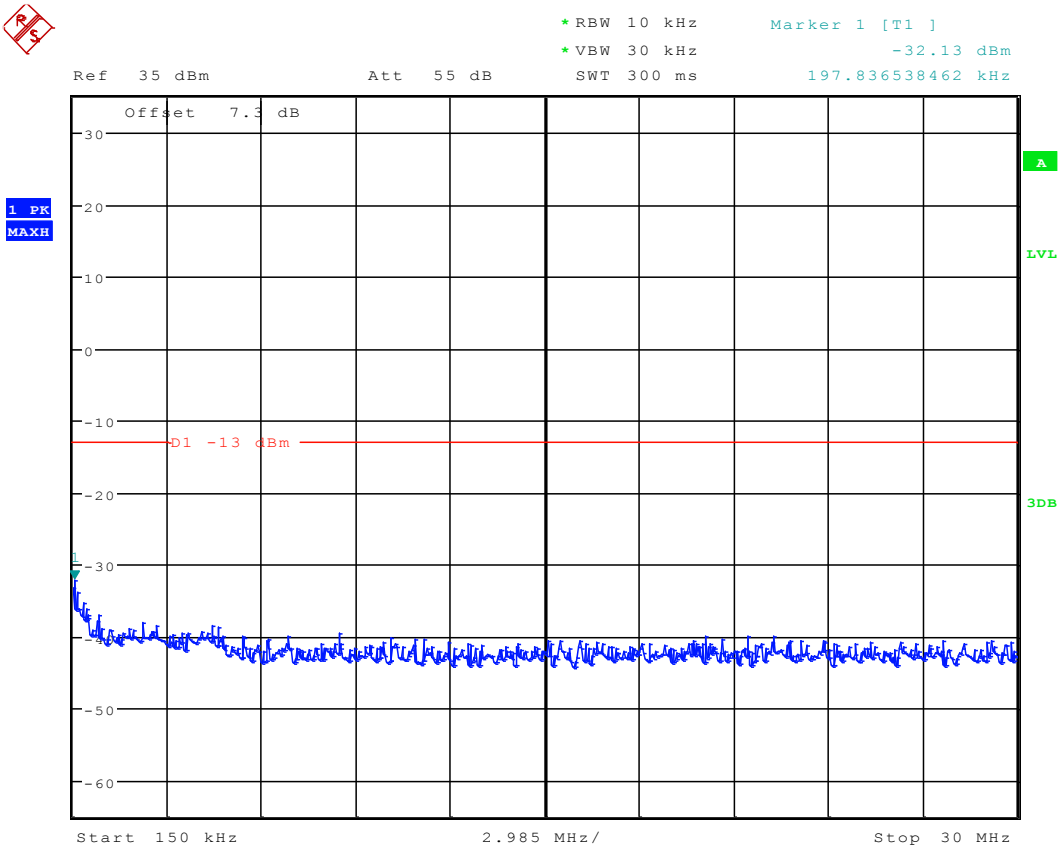


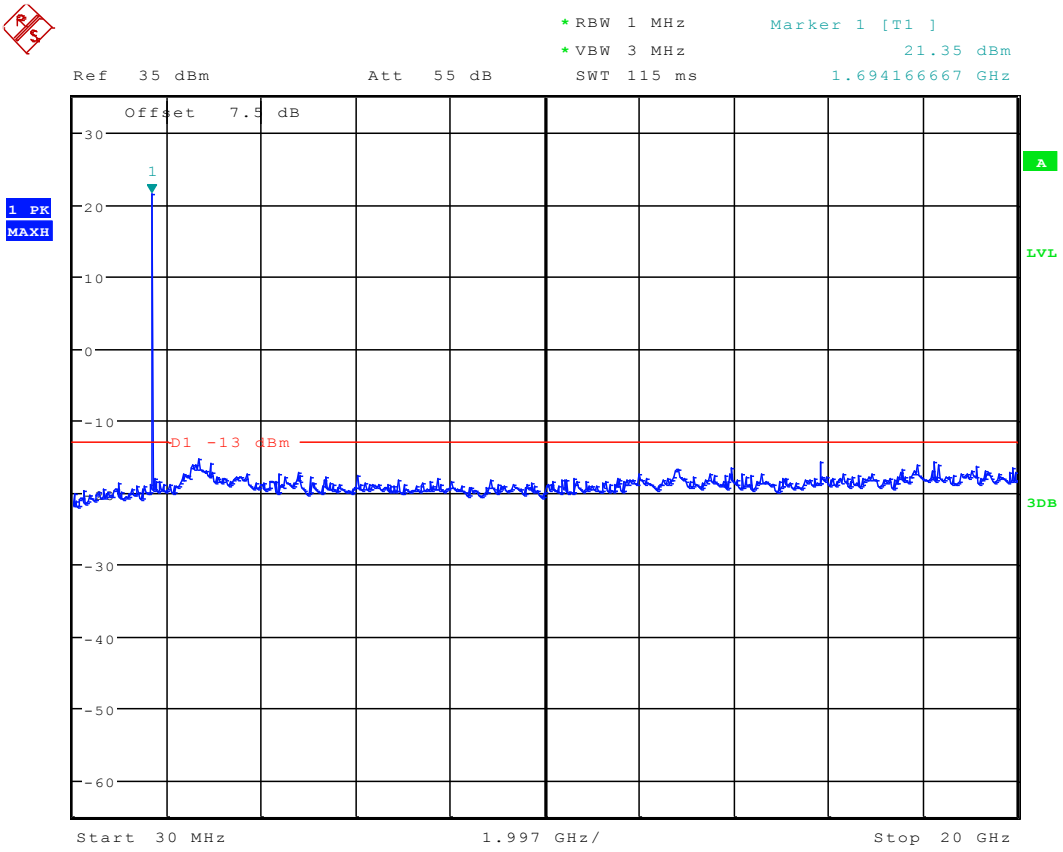

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.20 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.52 dBm
1.694166667 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.2.1.3 QPSK/full RBs

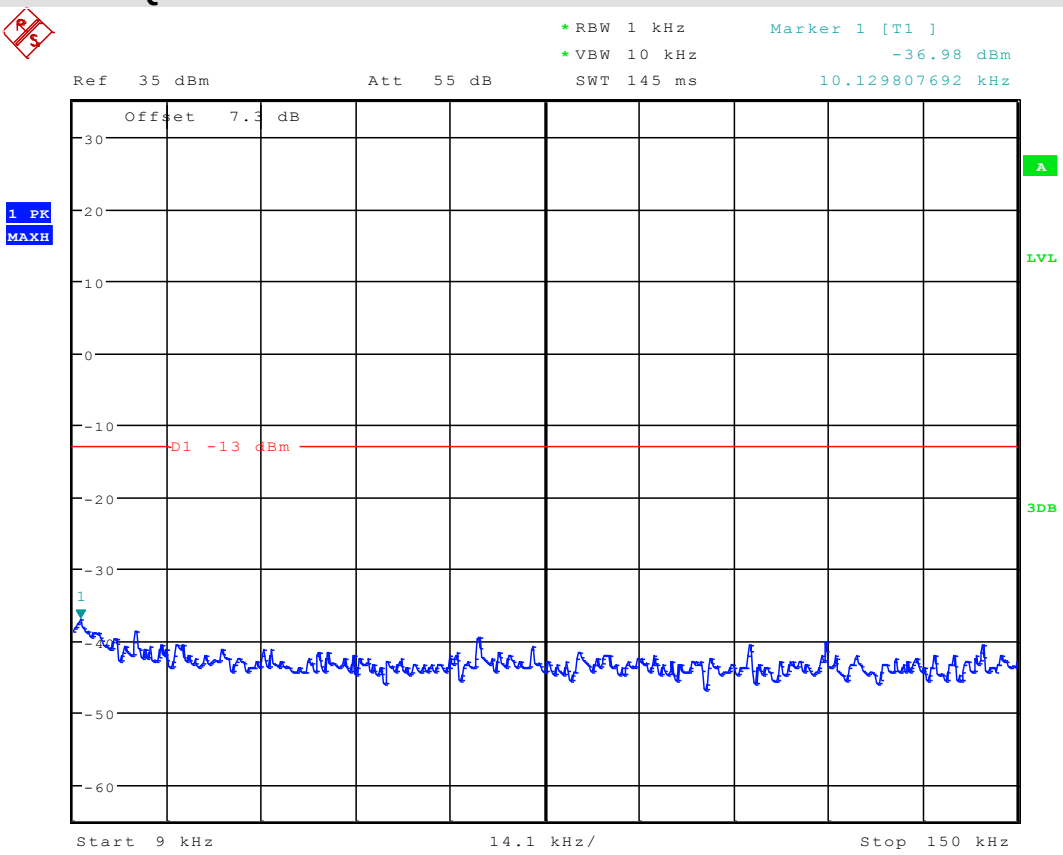


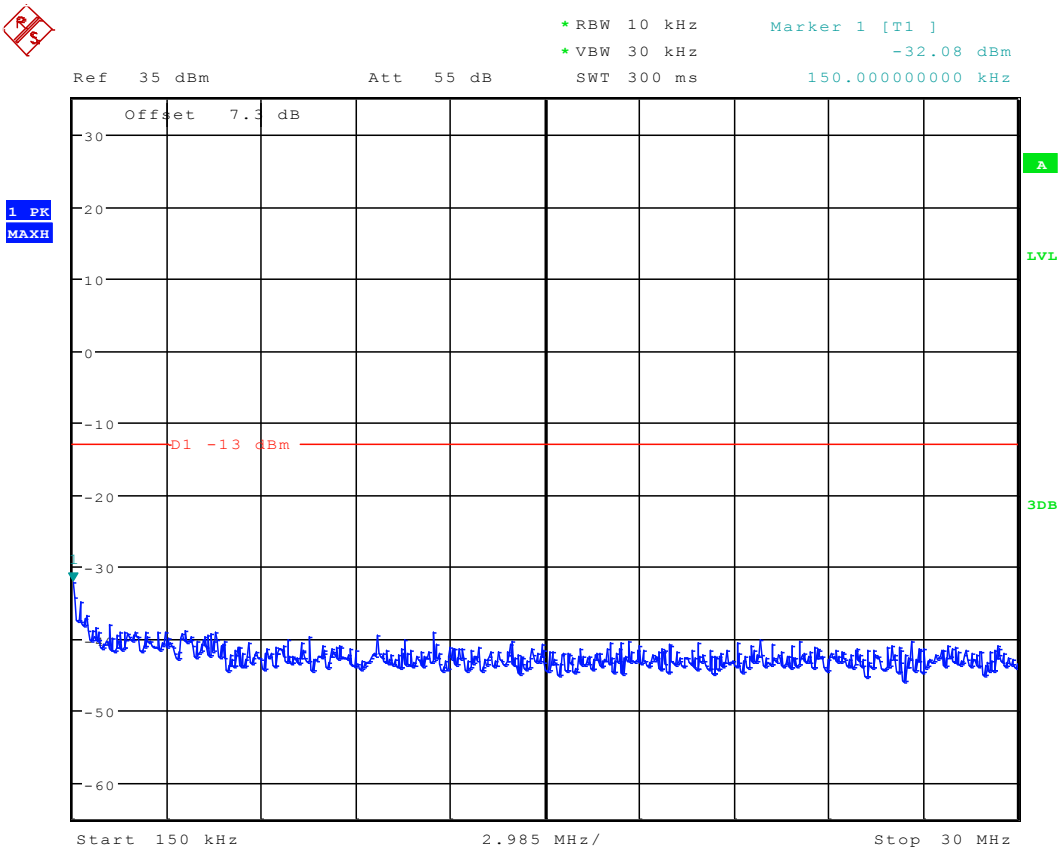

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.13 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

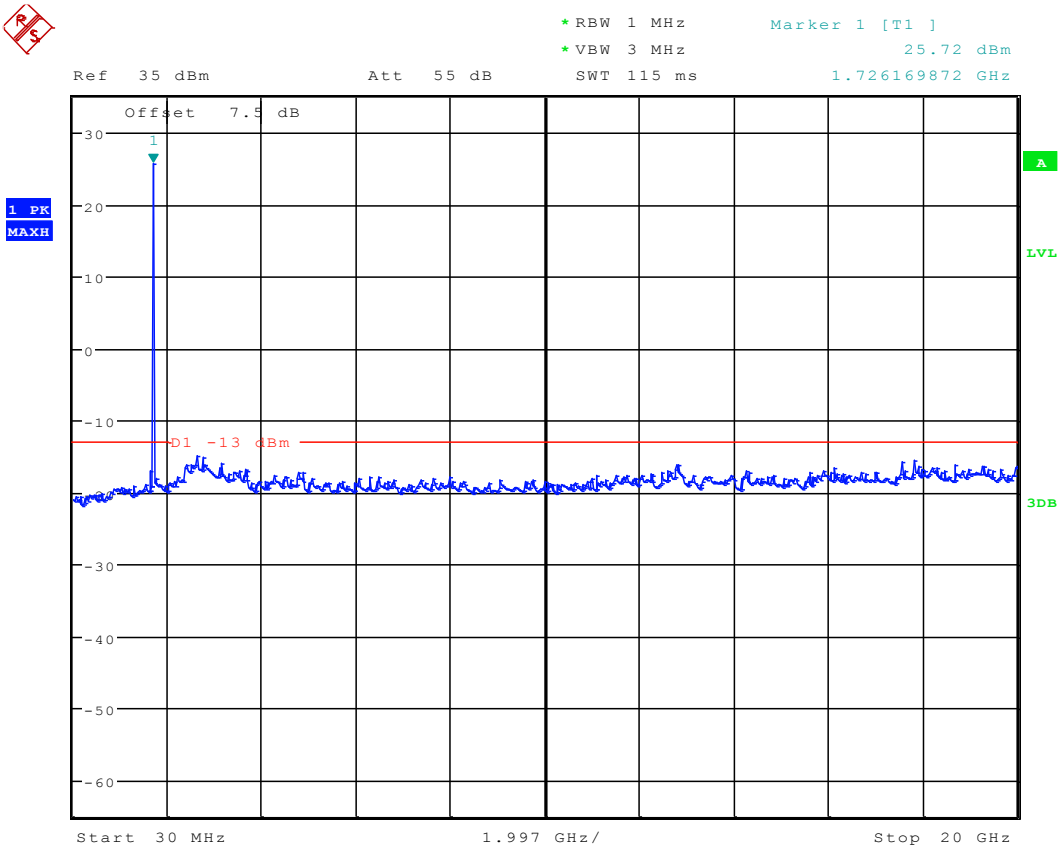

* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
21.35 dBm
1.694166667 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.2.2 Channel = M

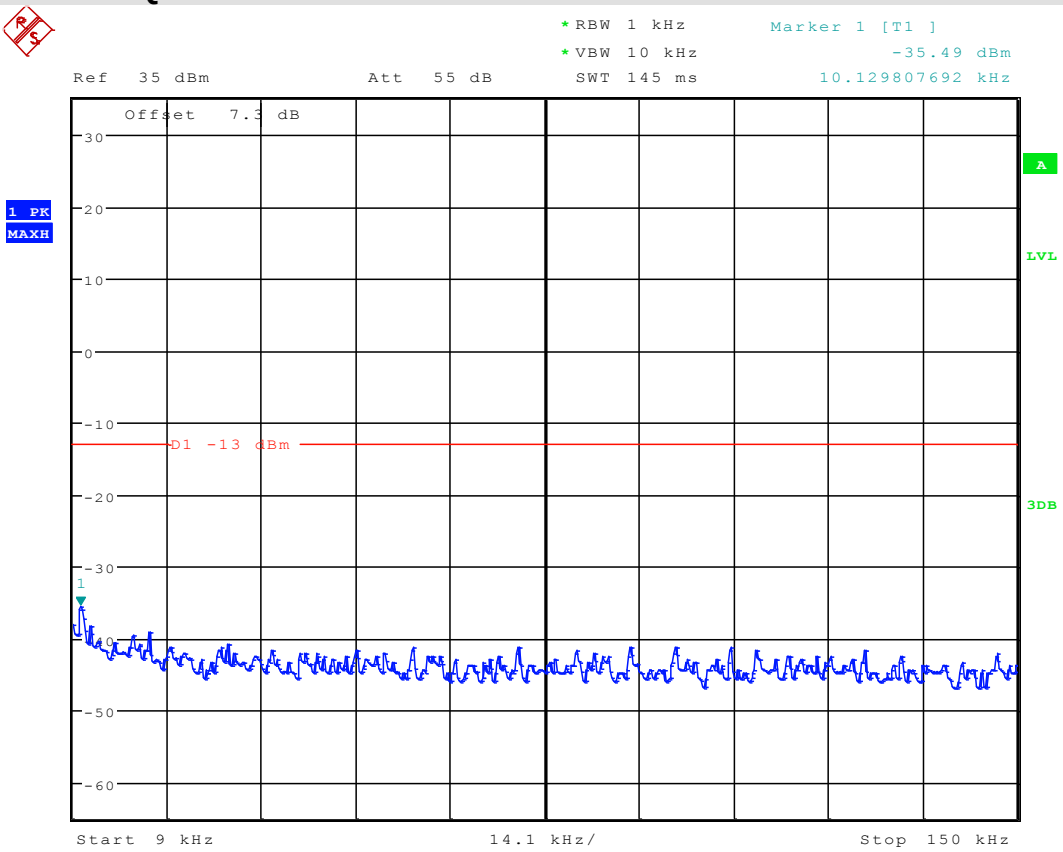
1.1.2.2.1 QPSK/1RBs /RB #0

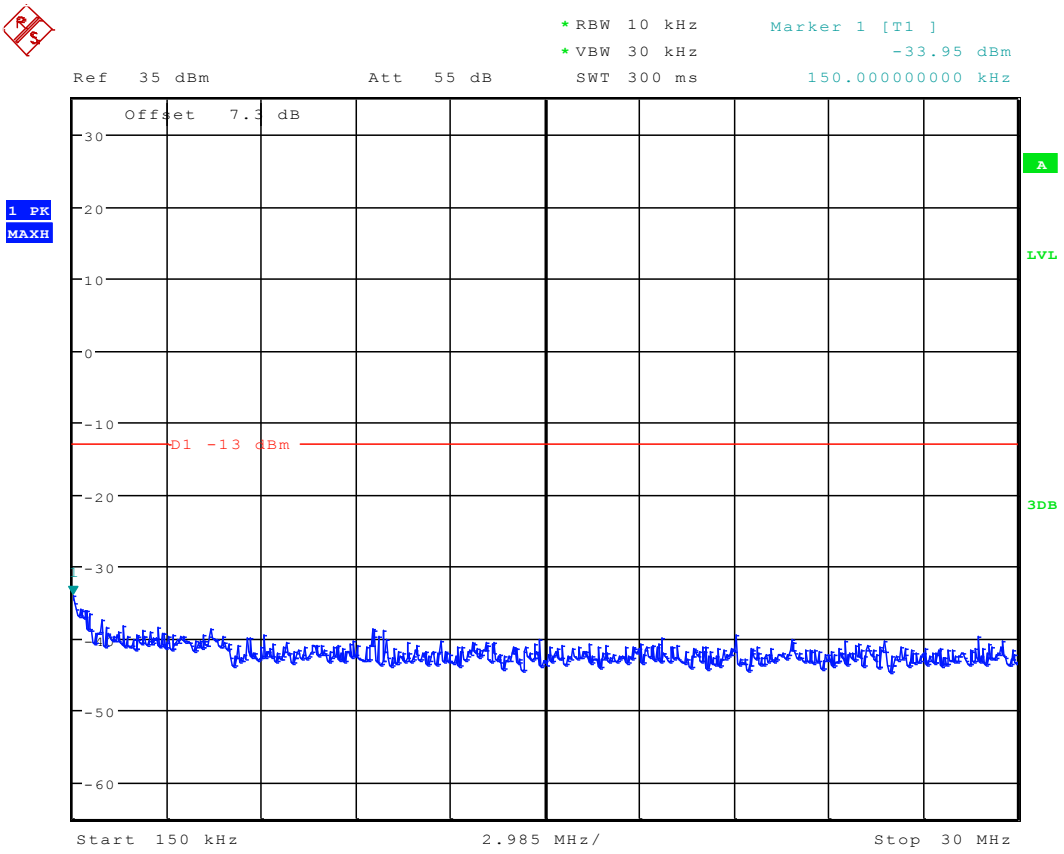


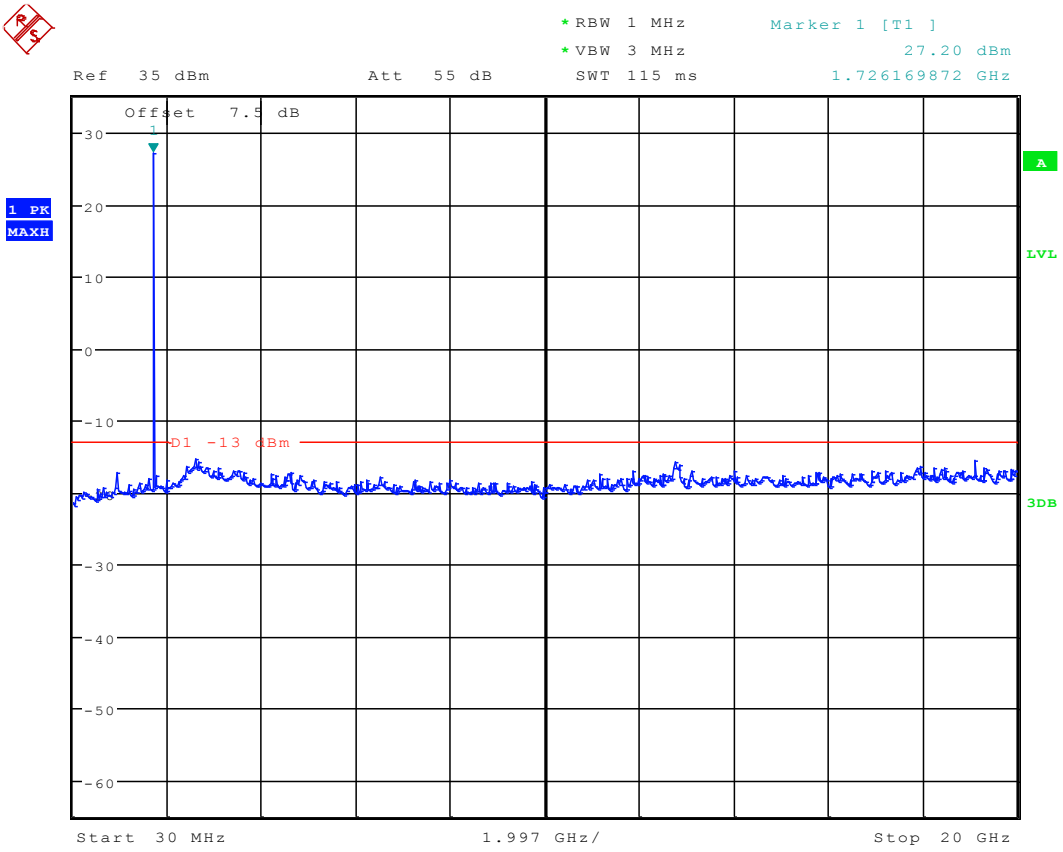

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.08 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
25.72 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

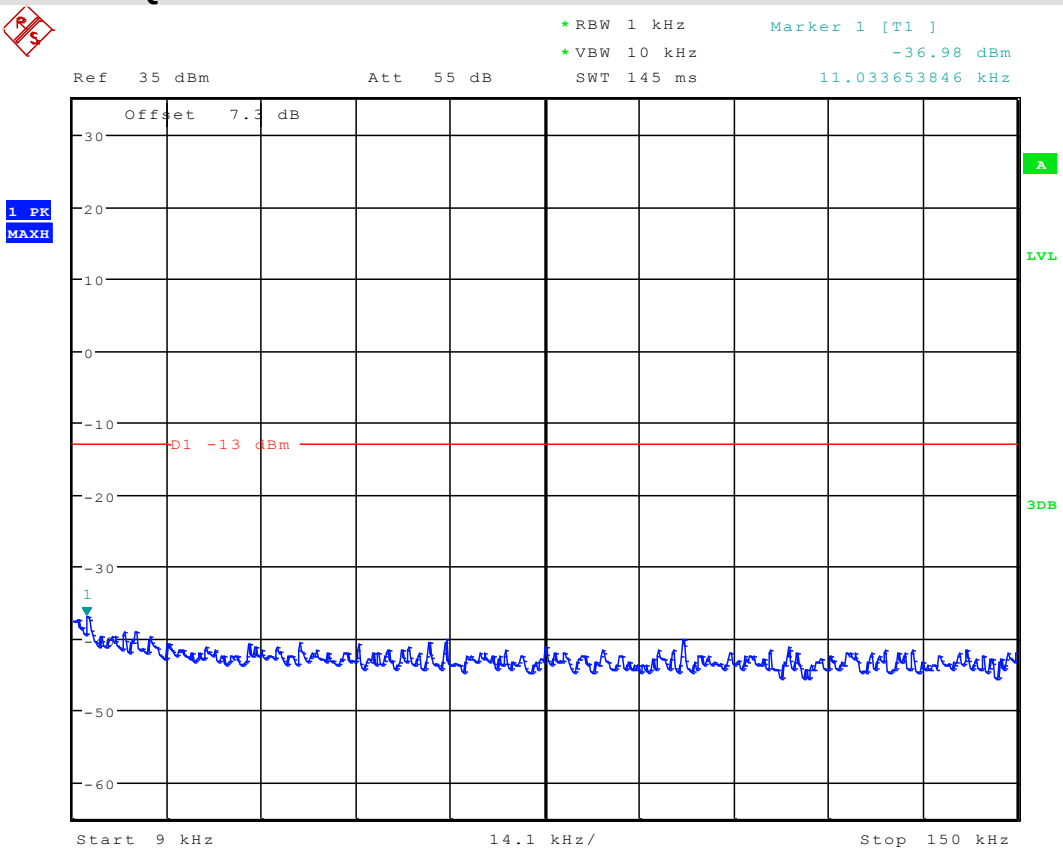
1.1.2.2.2 QPSK/1RBs /RB #max

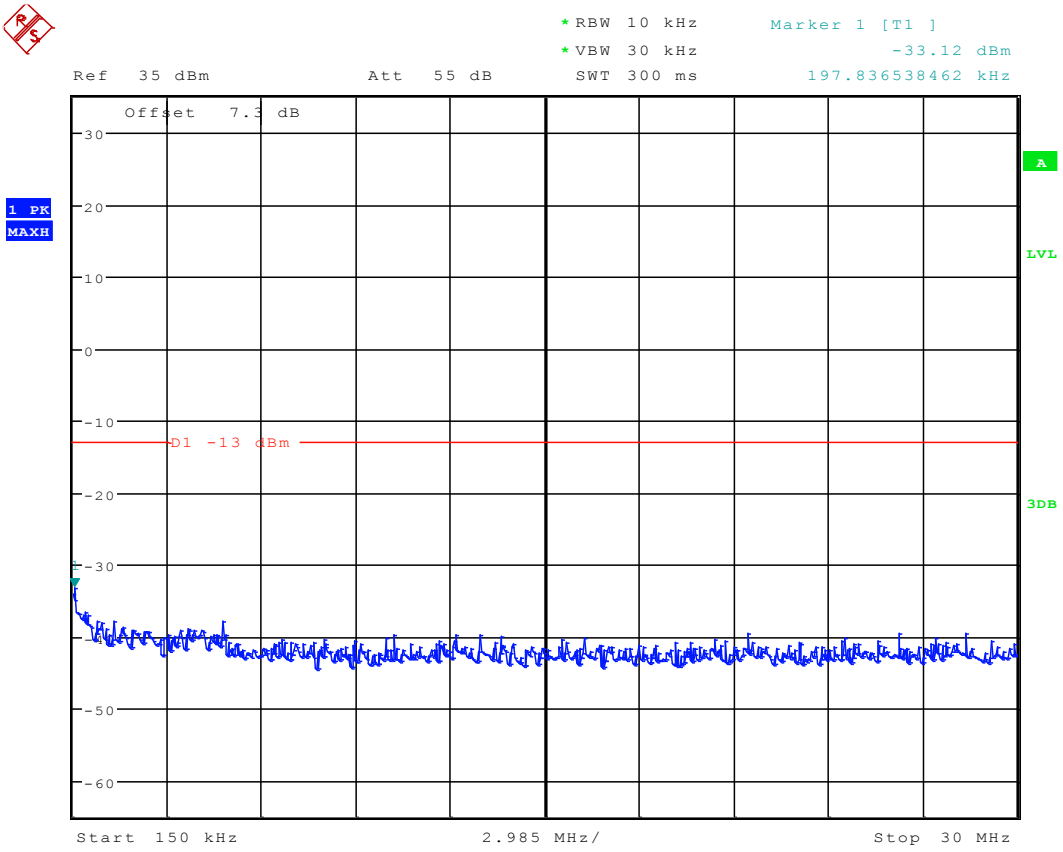


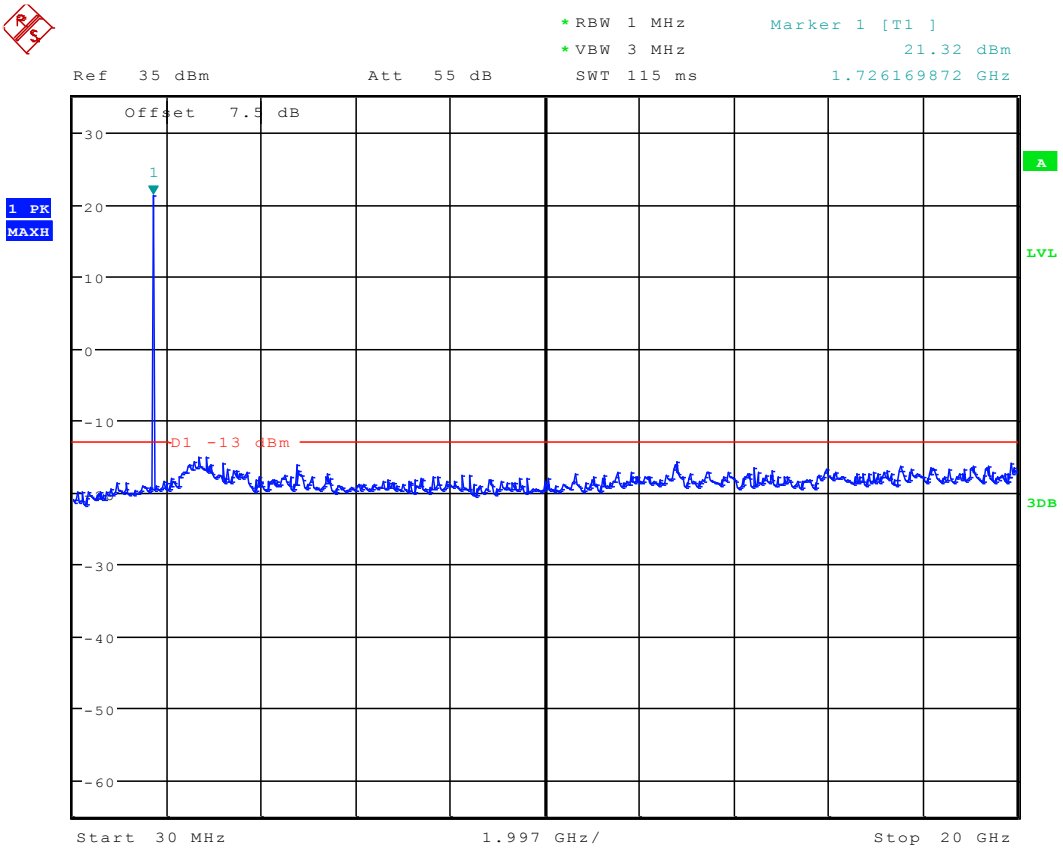

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.95 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


RBW 1 MHz
VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
27.20 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.2.2.3 QPSK/full RBs

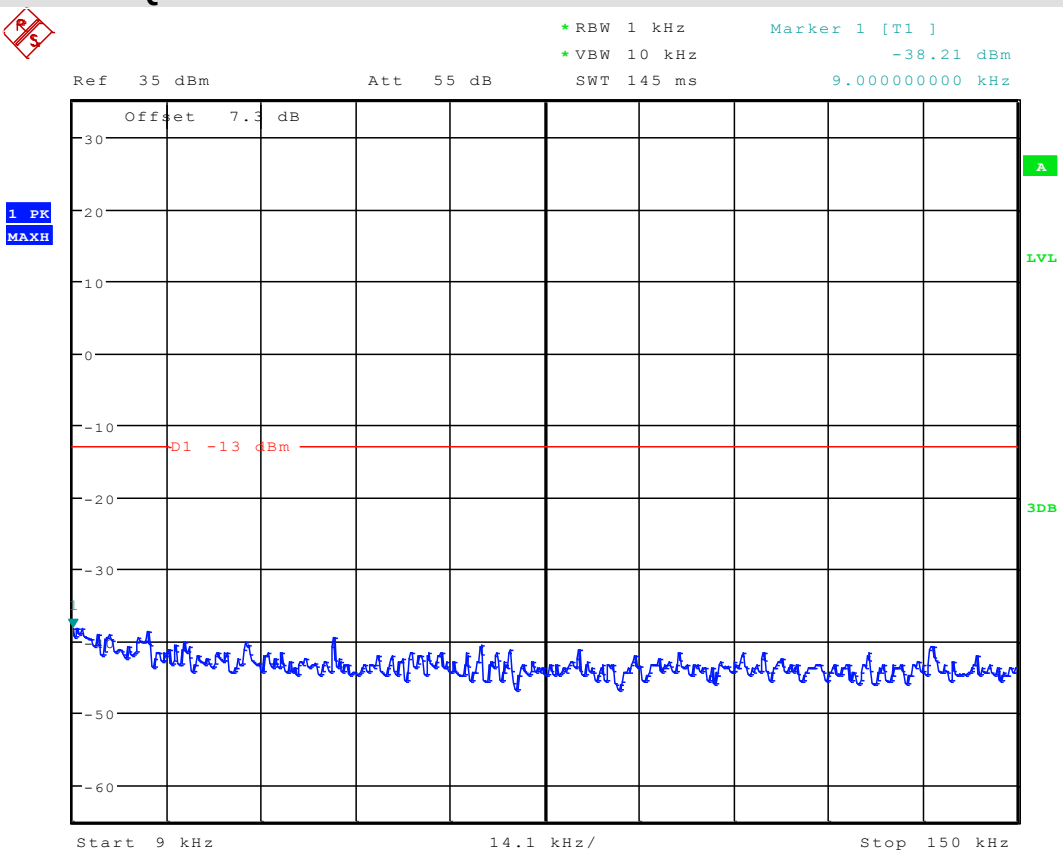


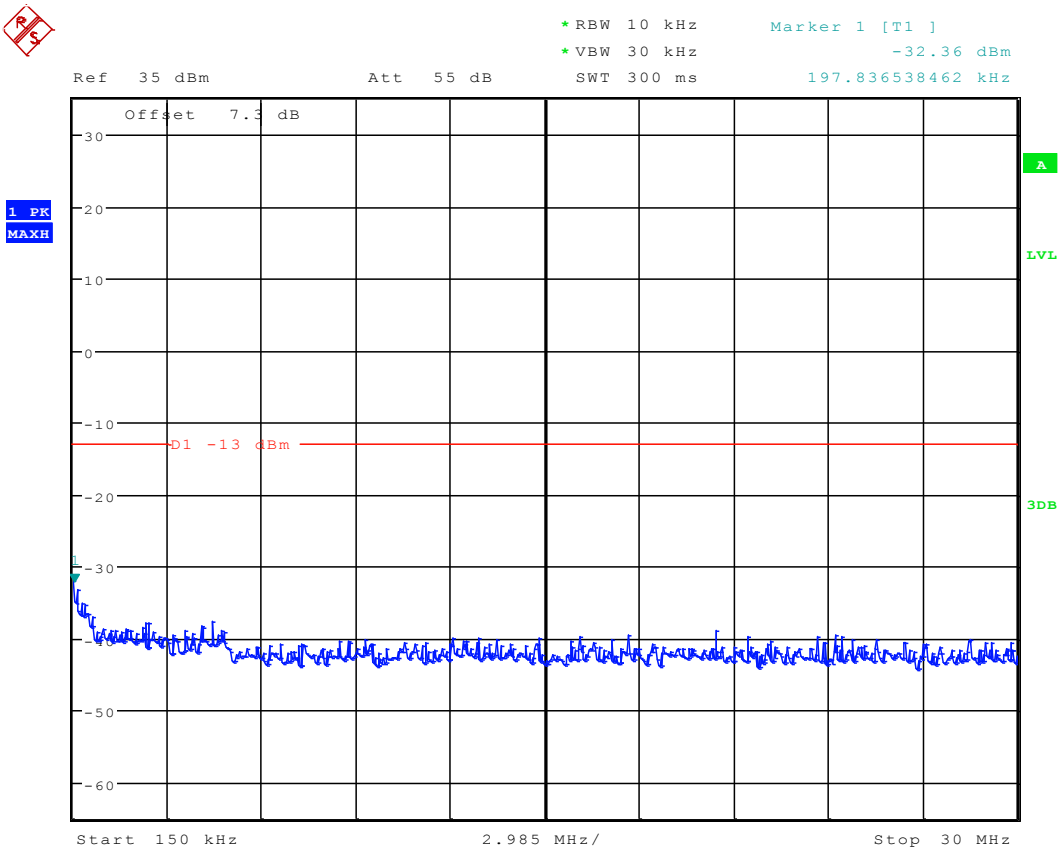

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.12 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

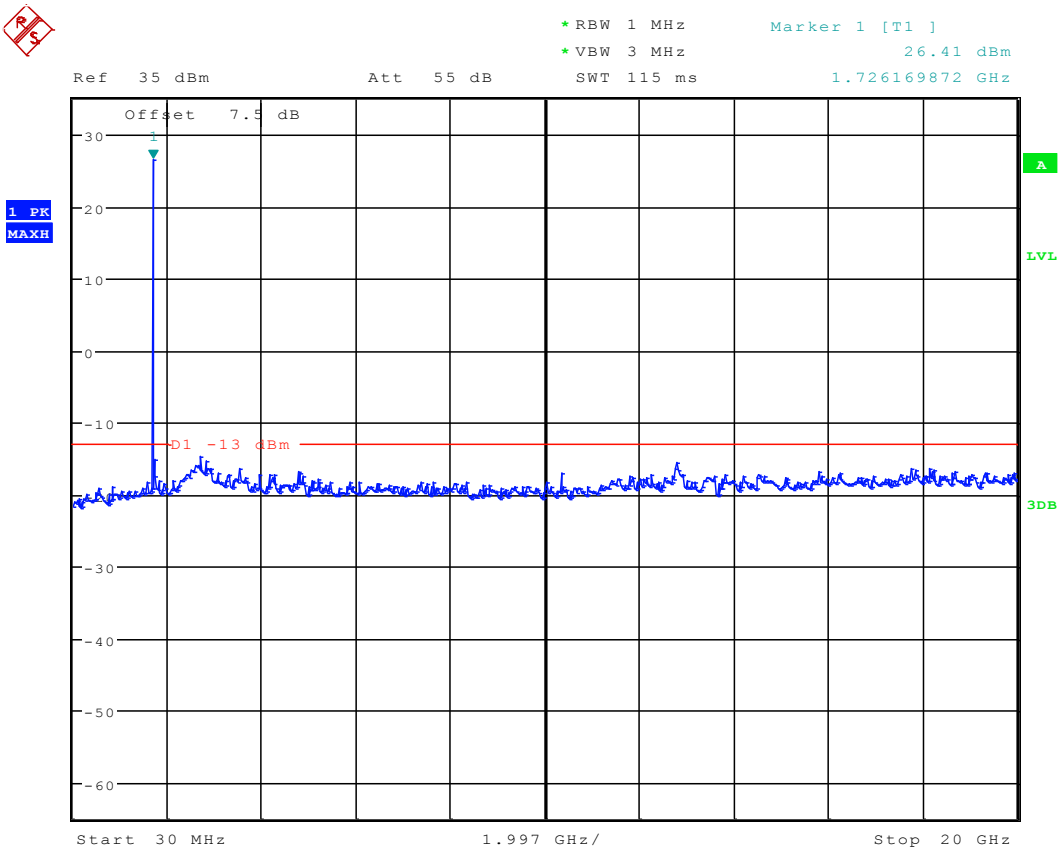

* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
21.32 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.2.3 Channel = T

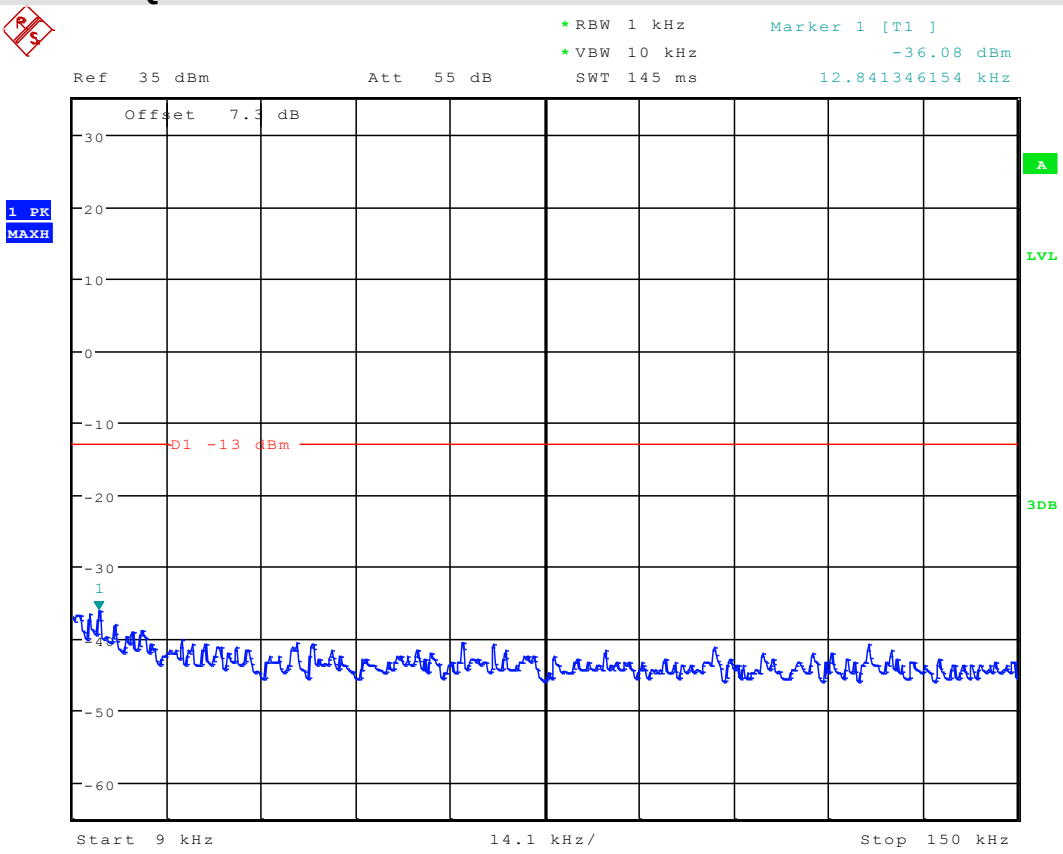
1.1.2.3.1 QPSK/1RBs /RB #0

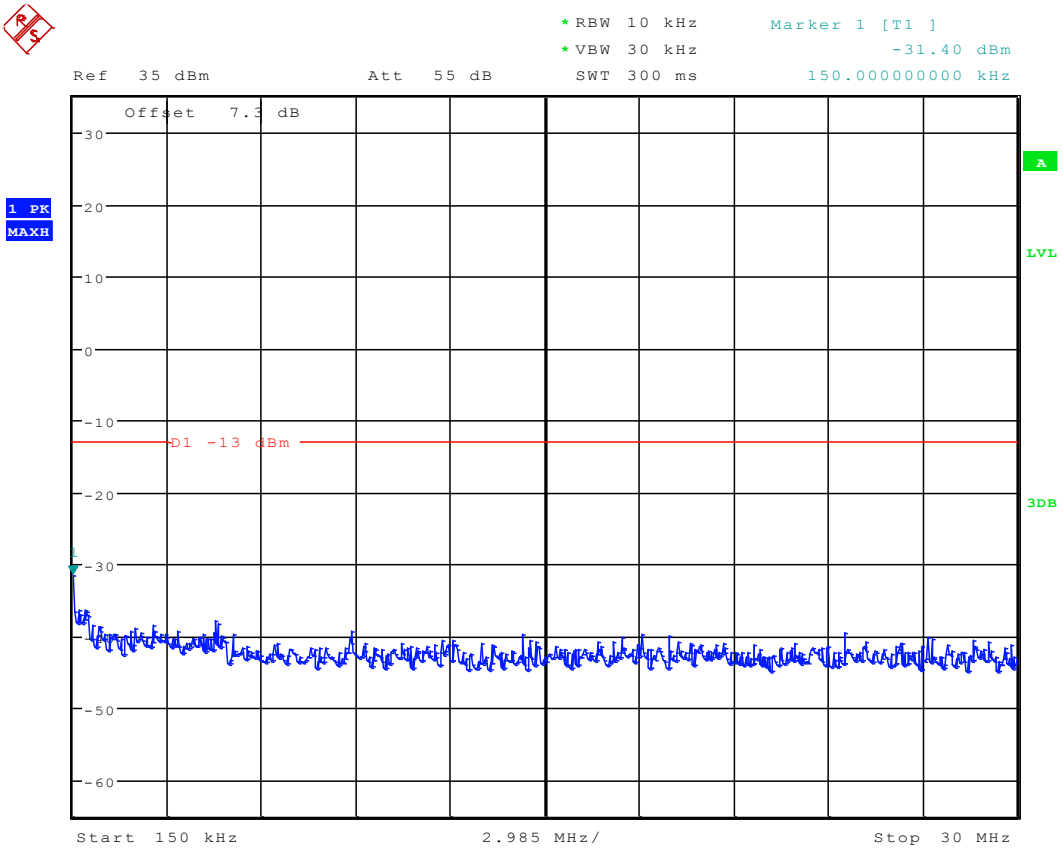


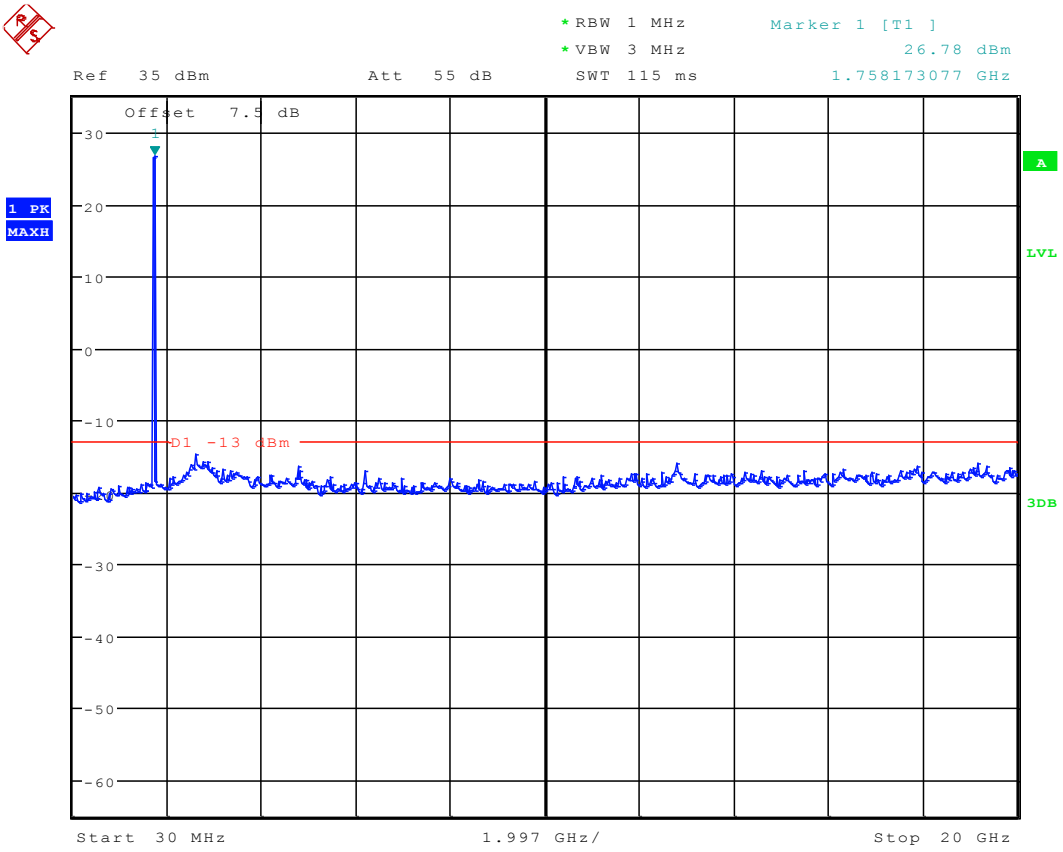

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.36 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.41 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

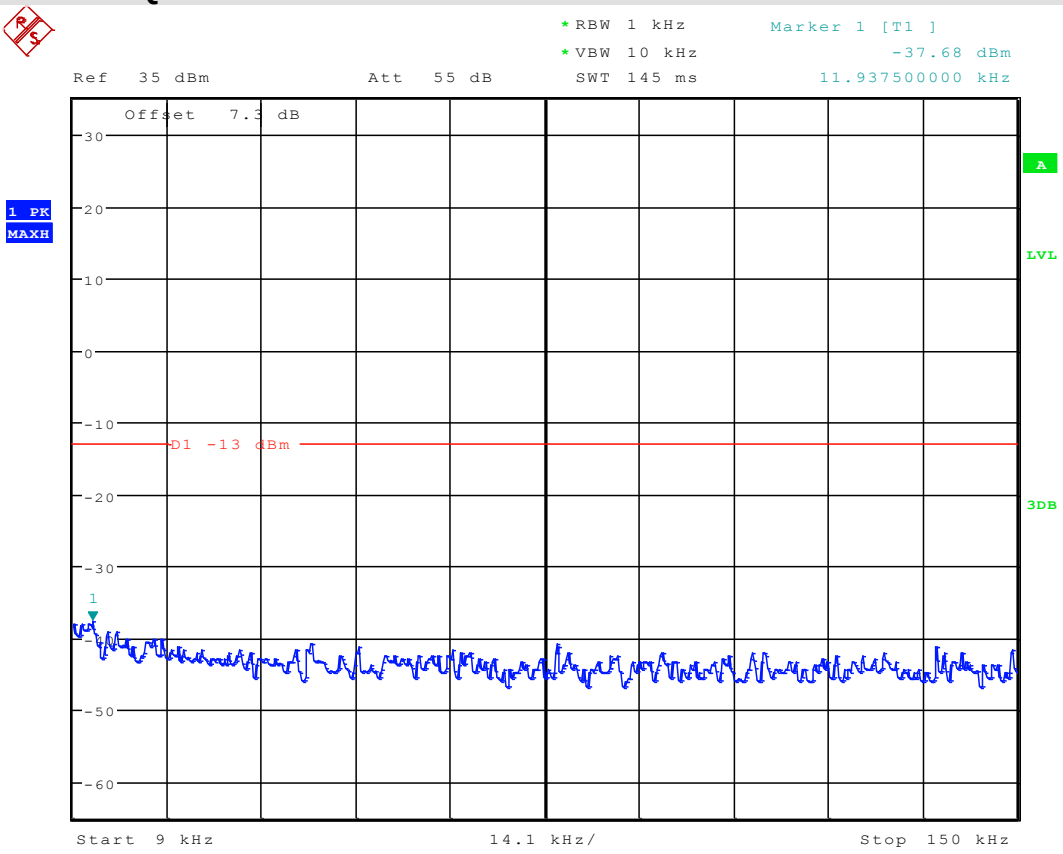
1.1.2.3.2 QPSK/1RBs /RB #max

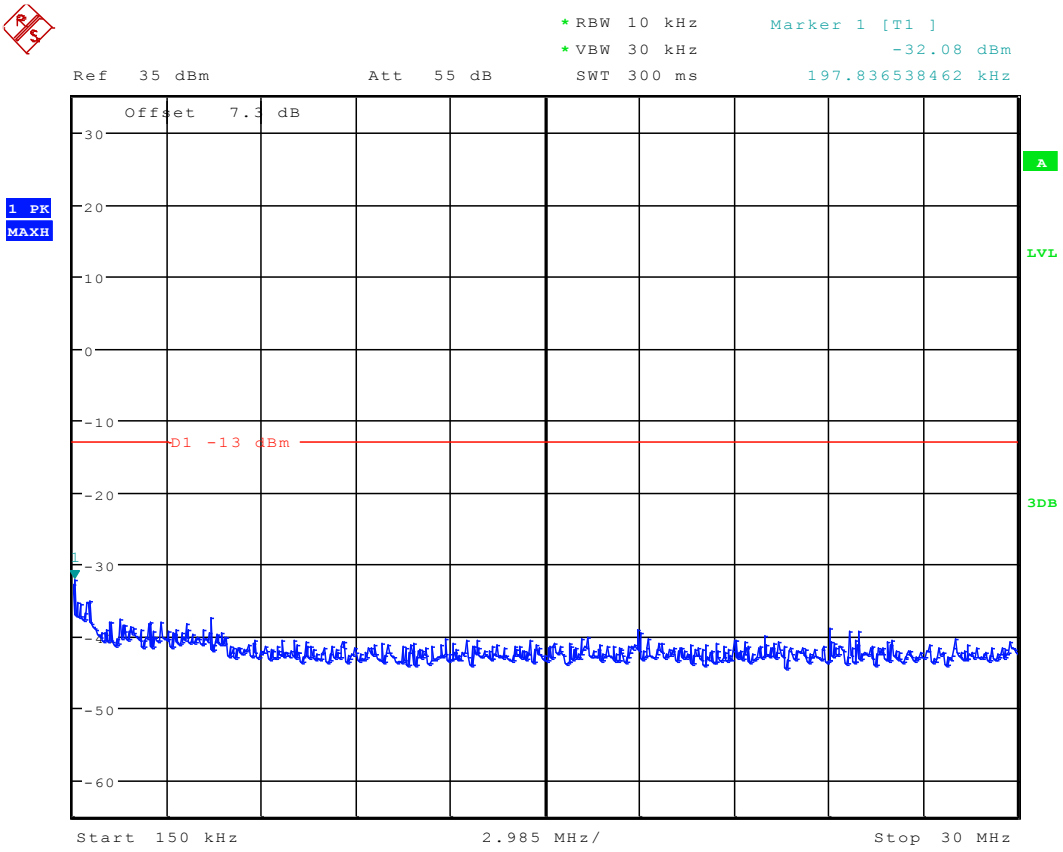


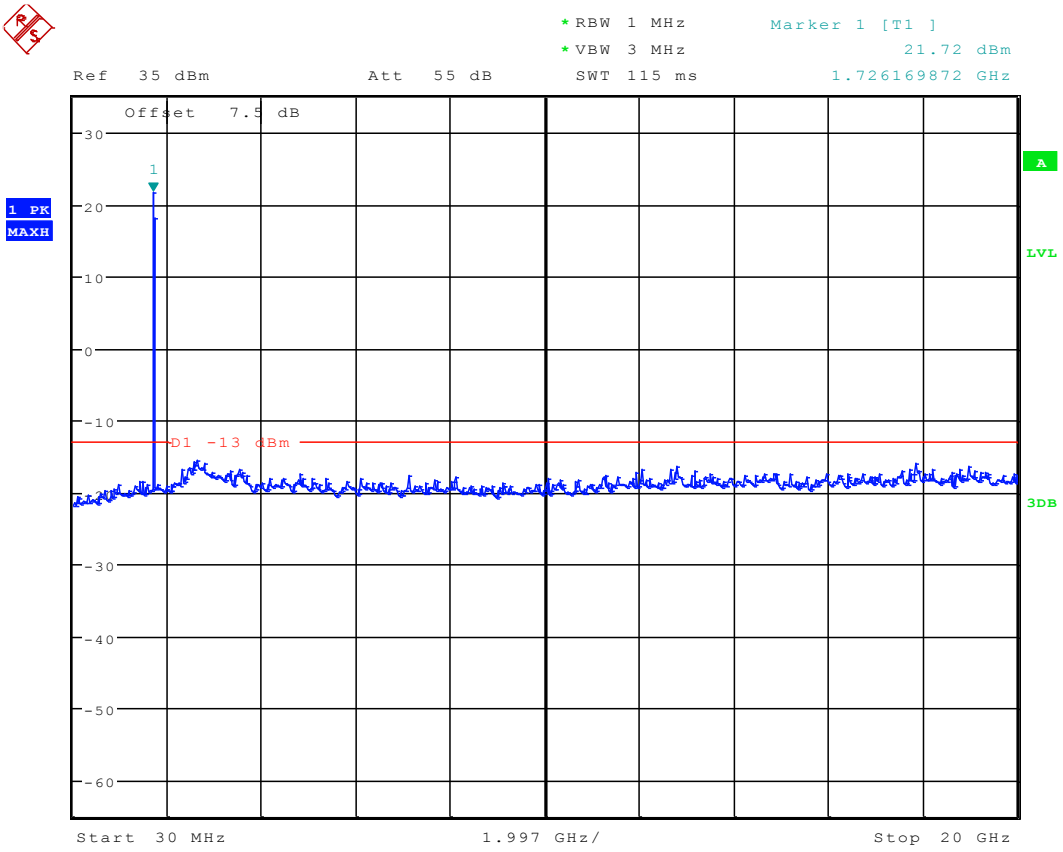

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.40 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.78 dBm
1.758173077 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.2.3.3 QPSK/full RBs



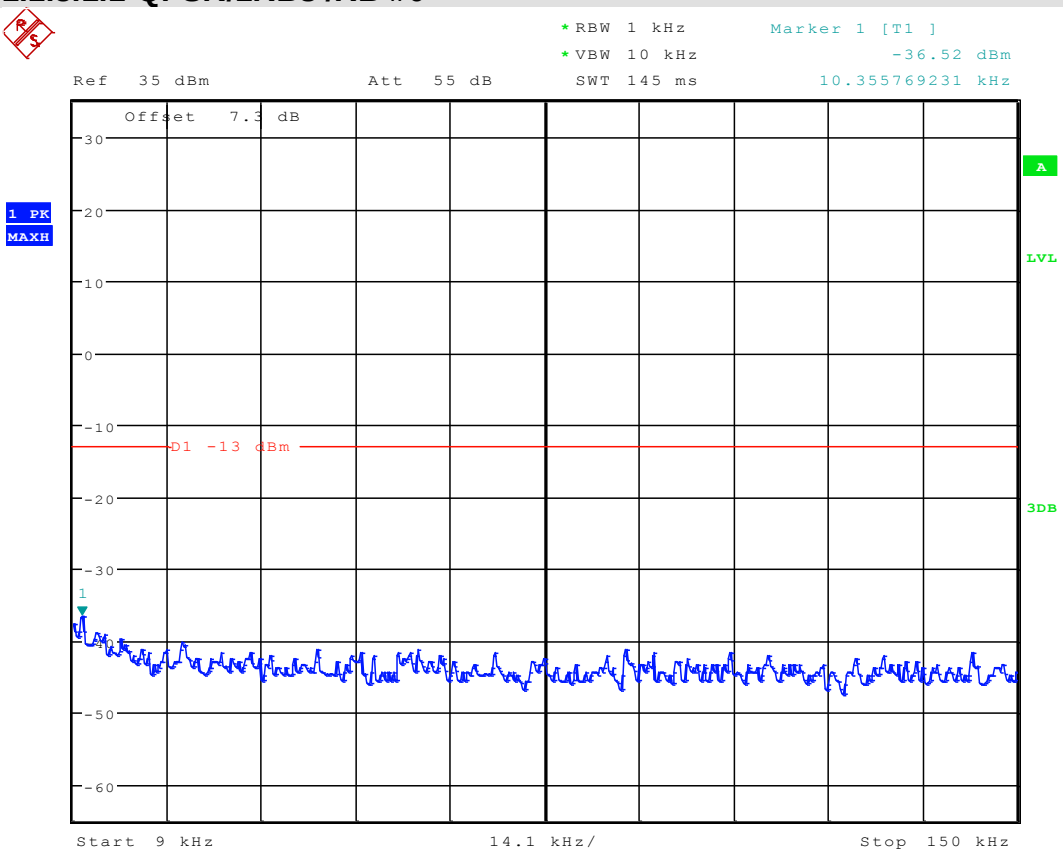

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.08 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

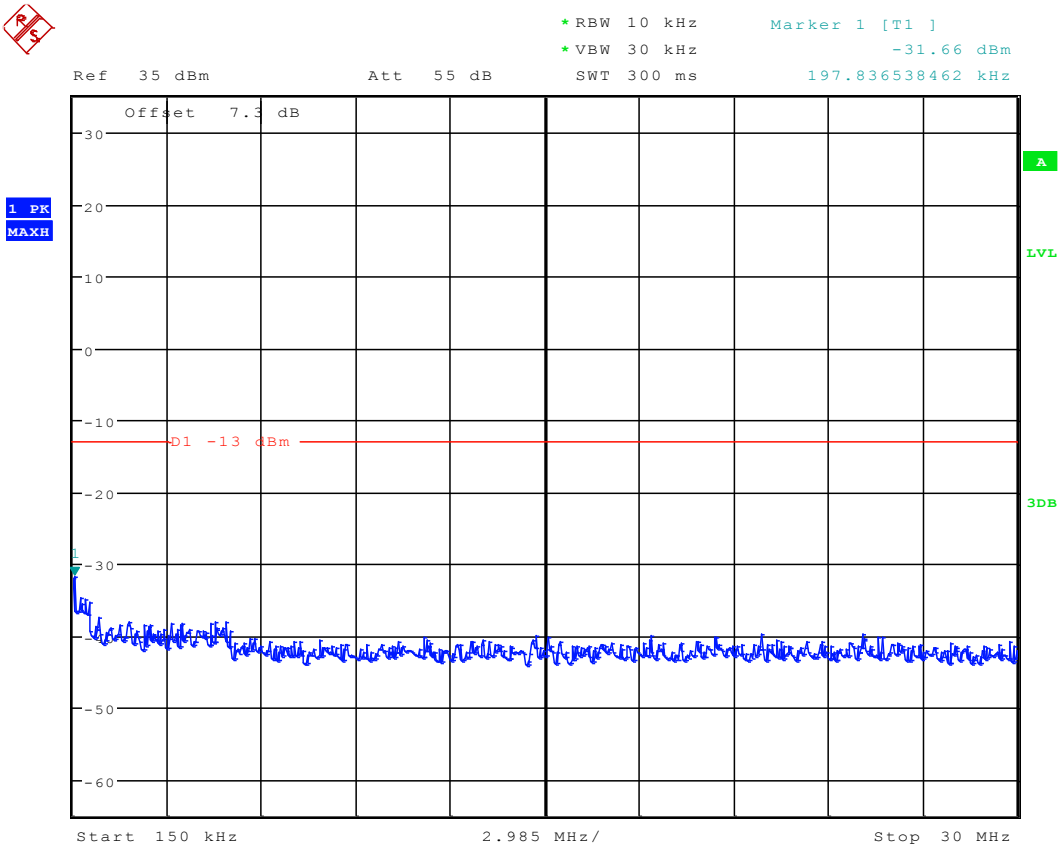

* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
21.72 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

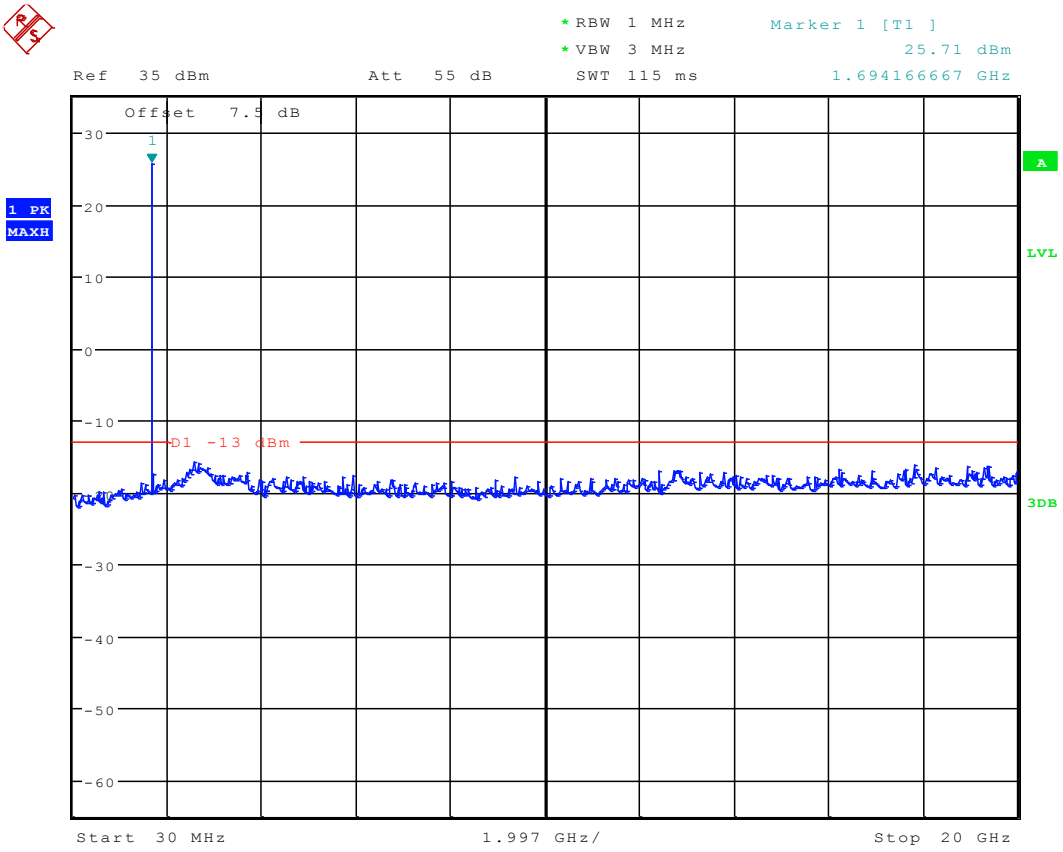
1.1.3 Channel Bandwidth = Highest (20 MHz)

1.1.3.1 Channel = B

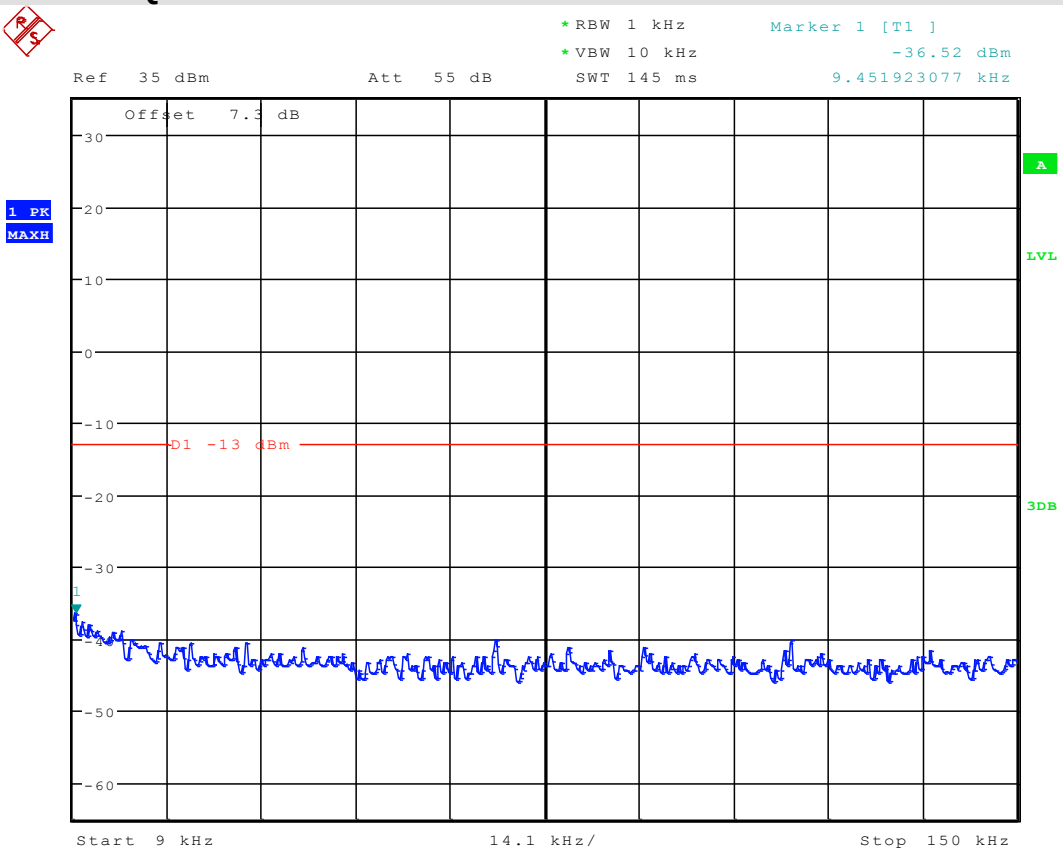
1.1.3.1.1 QPSK/1RBs /RB #0

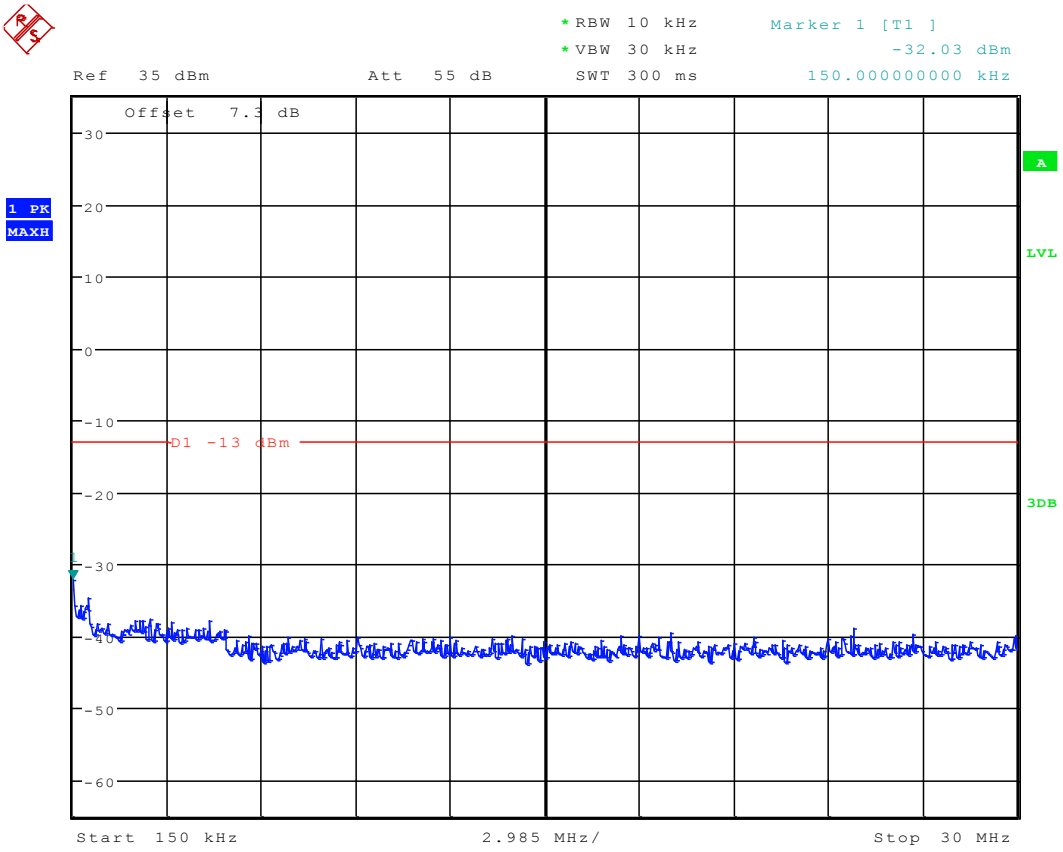


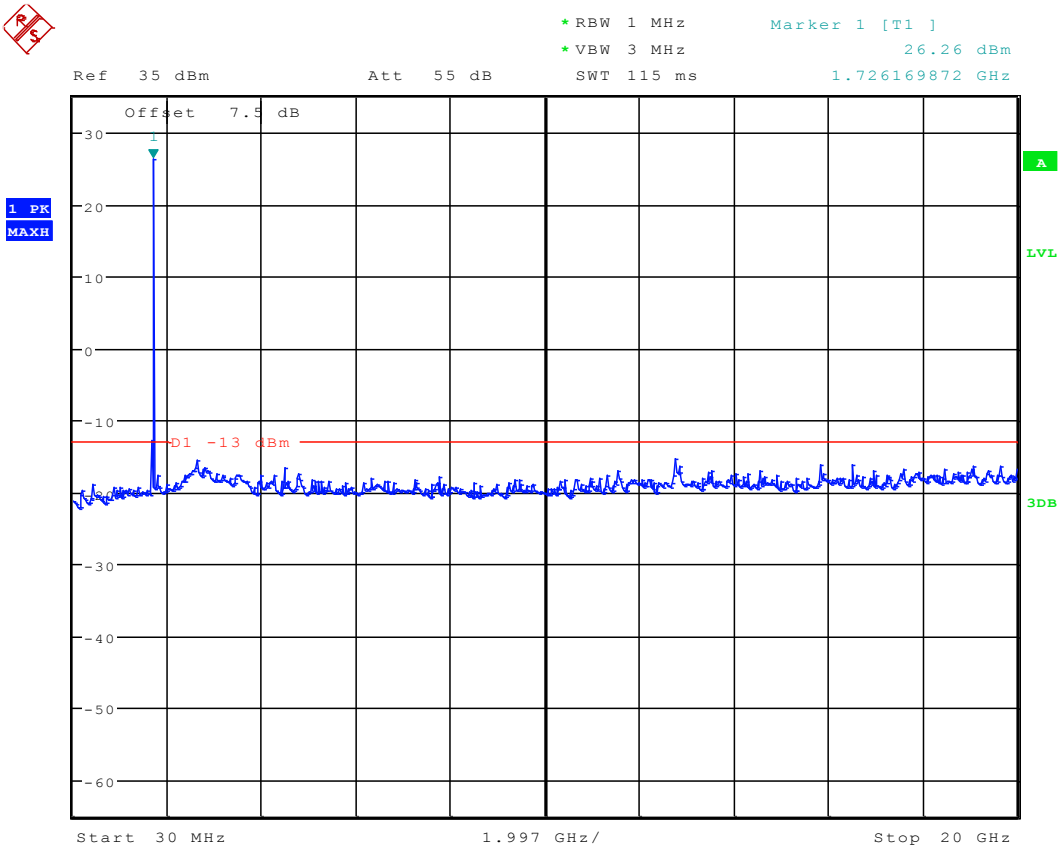

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.66 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
25.71 dBm
1.694166667 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

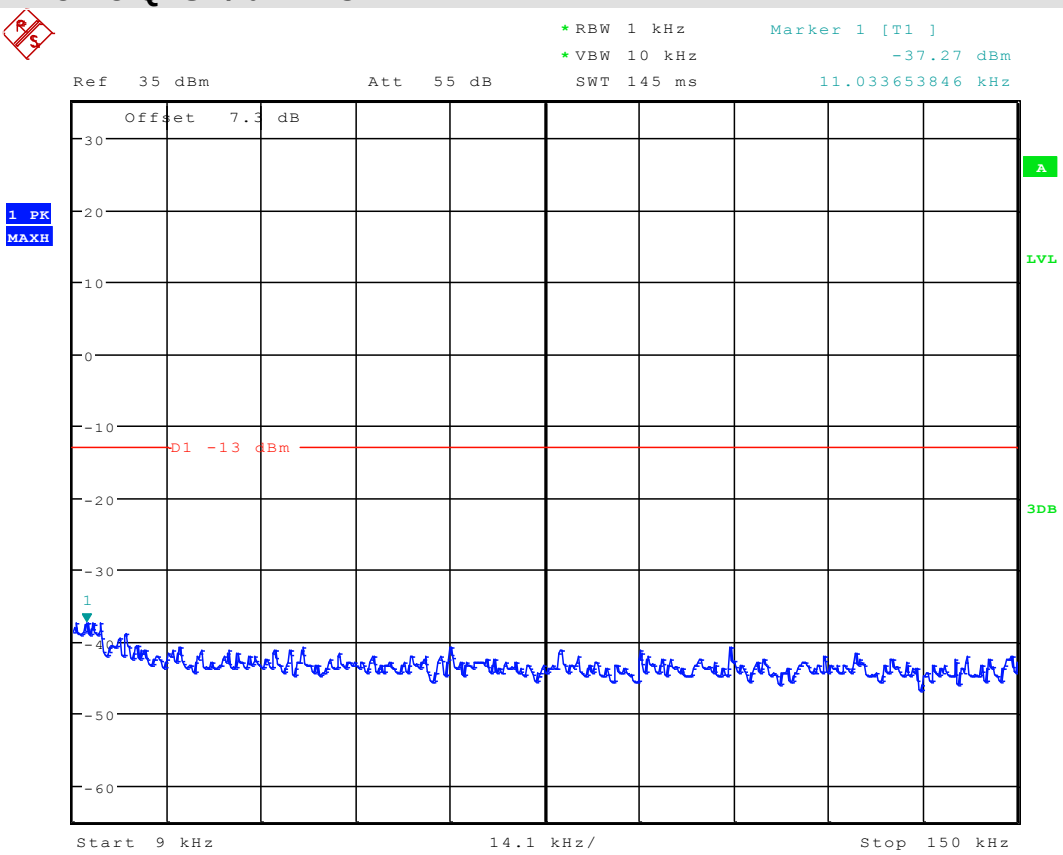
1.1.3.1.2 QPSK/1RBs /RB #max

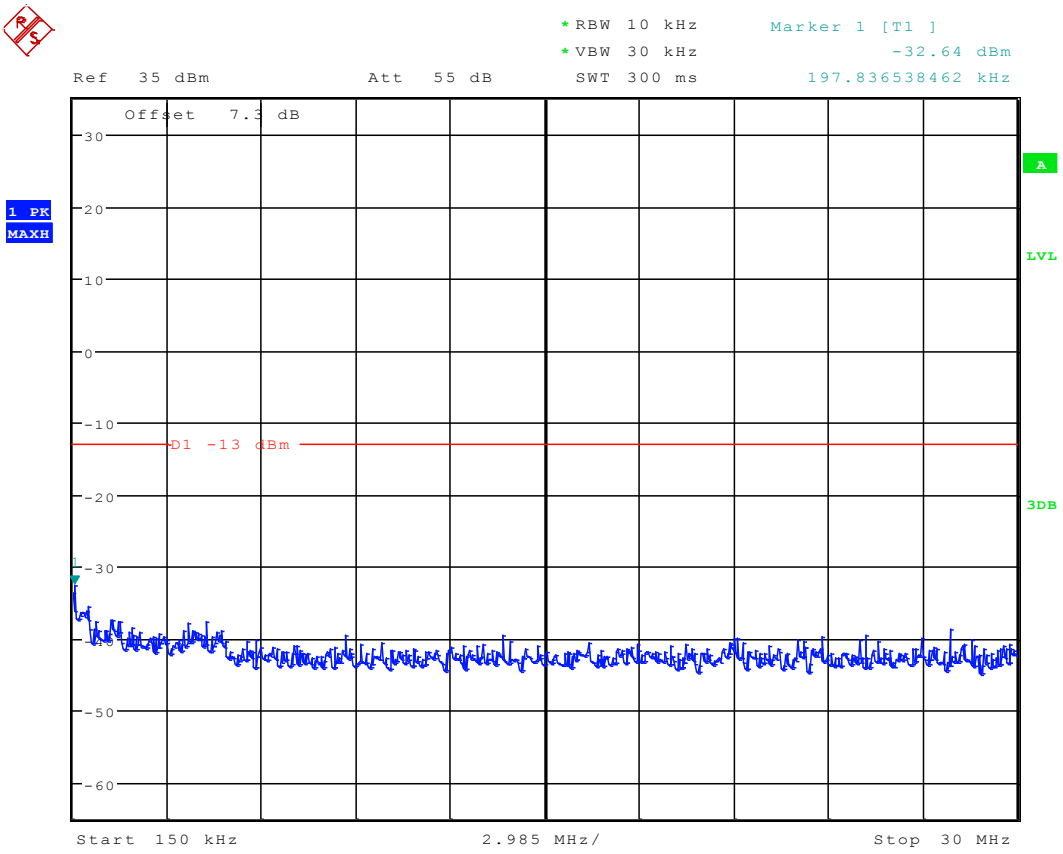


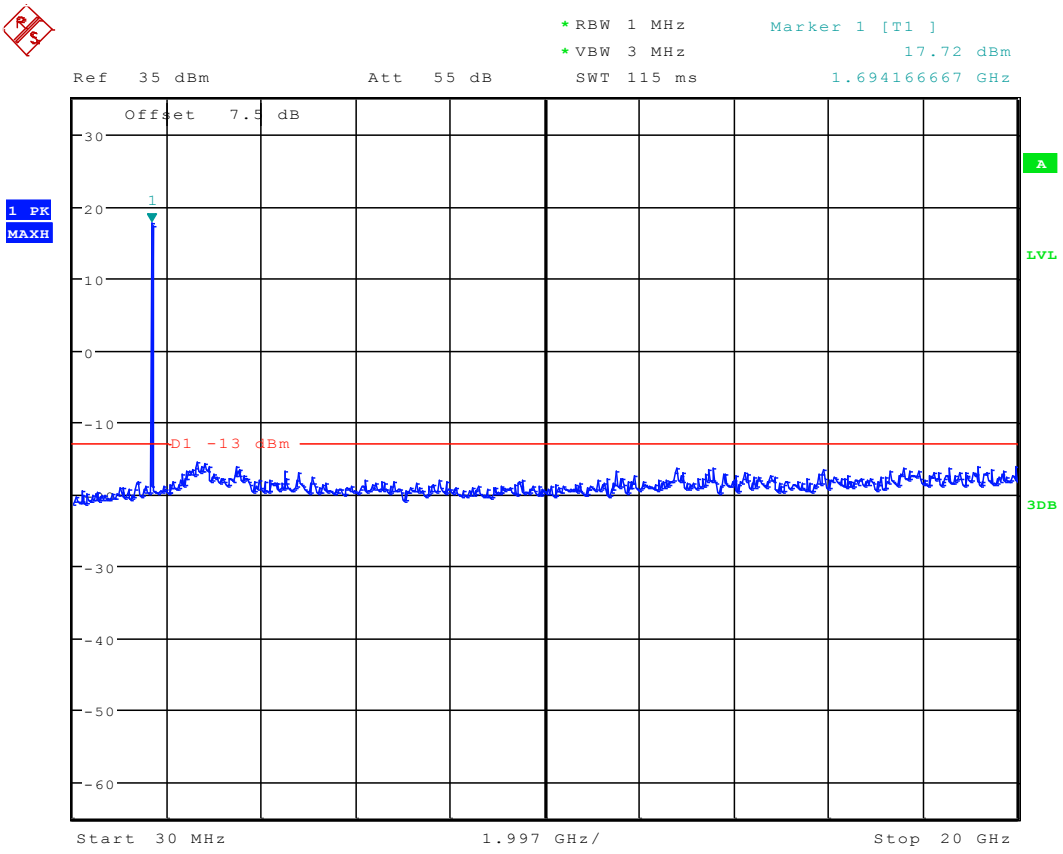

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.03 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.26 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.3.1.3 QPSK/full RBs

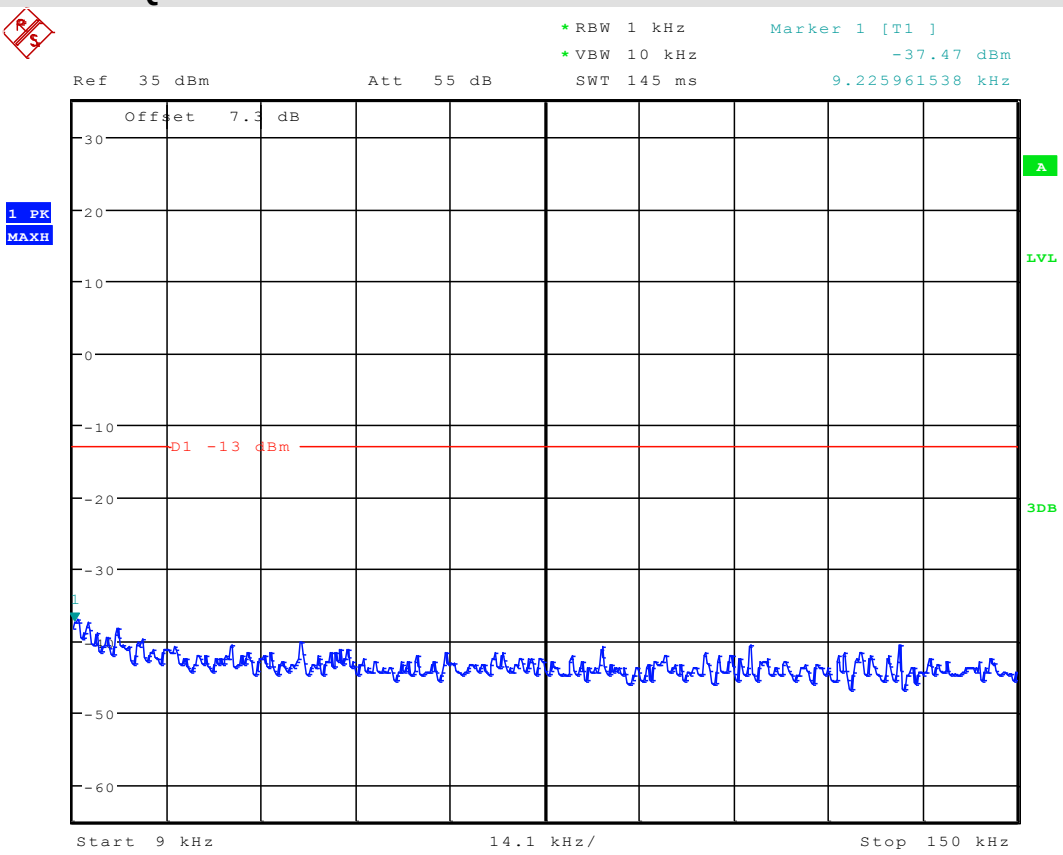


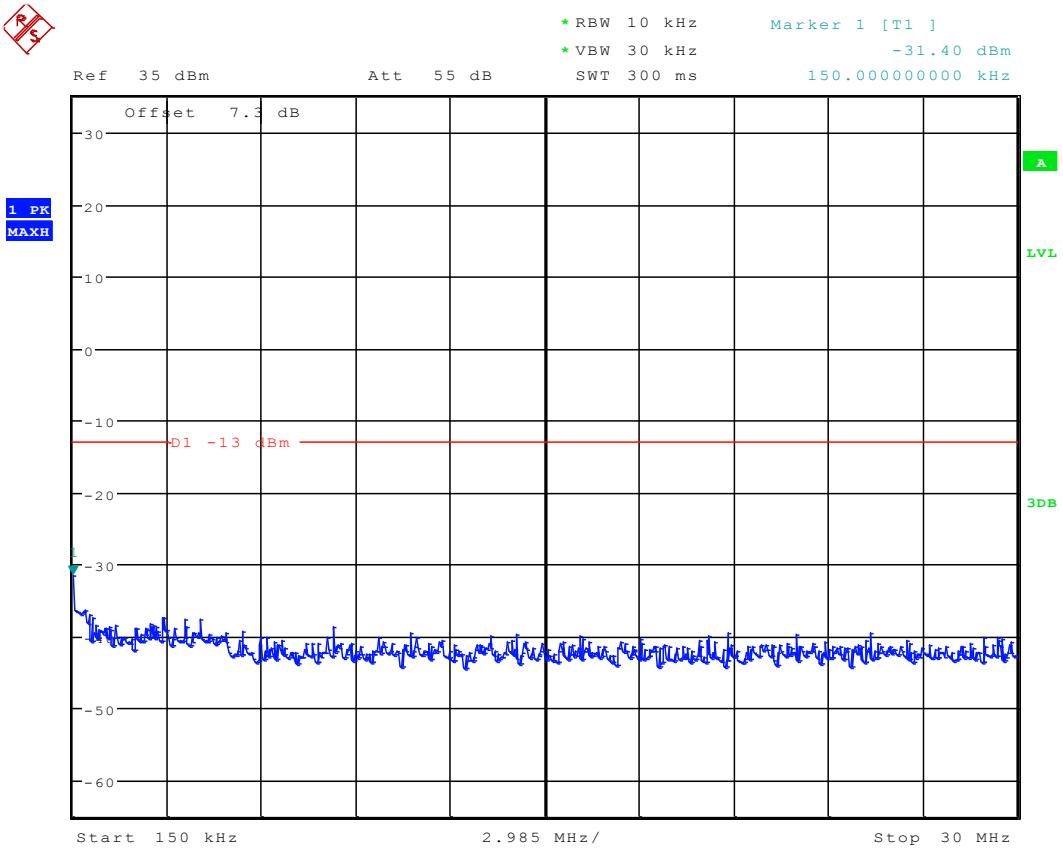

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.64 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

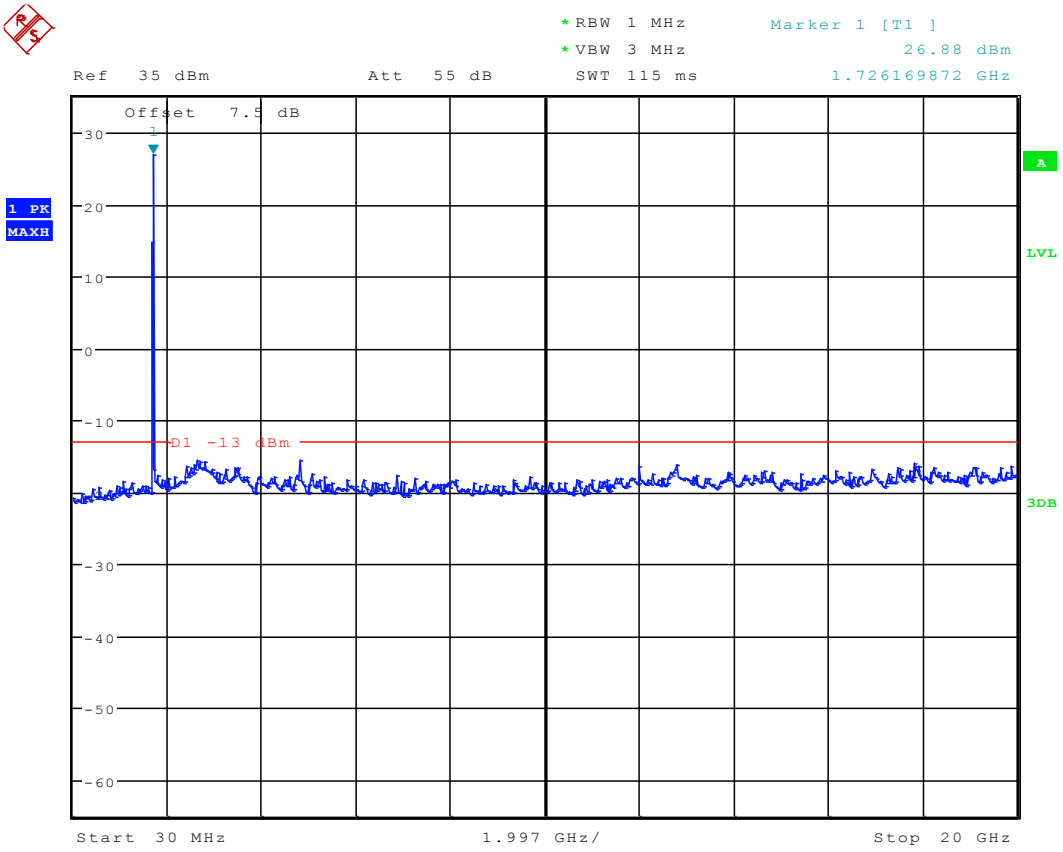

* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
17.72 dBm
1.694166667 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.3.2 Channel = M

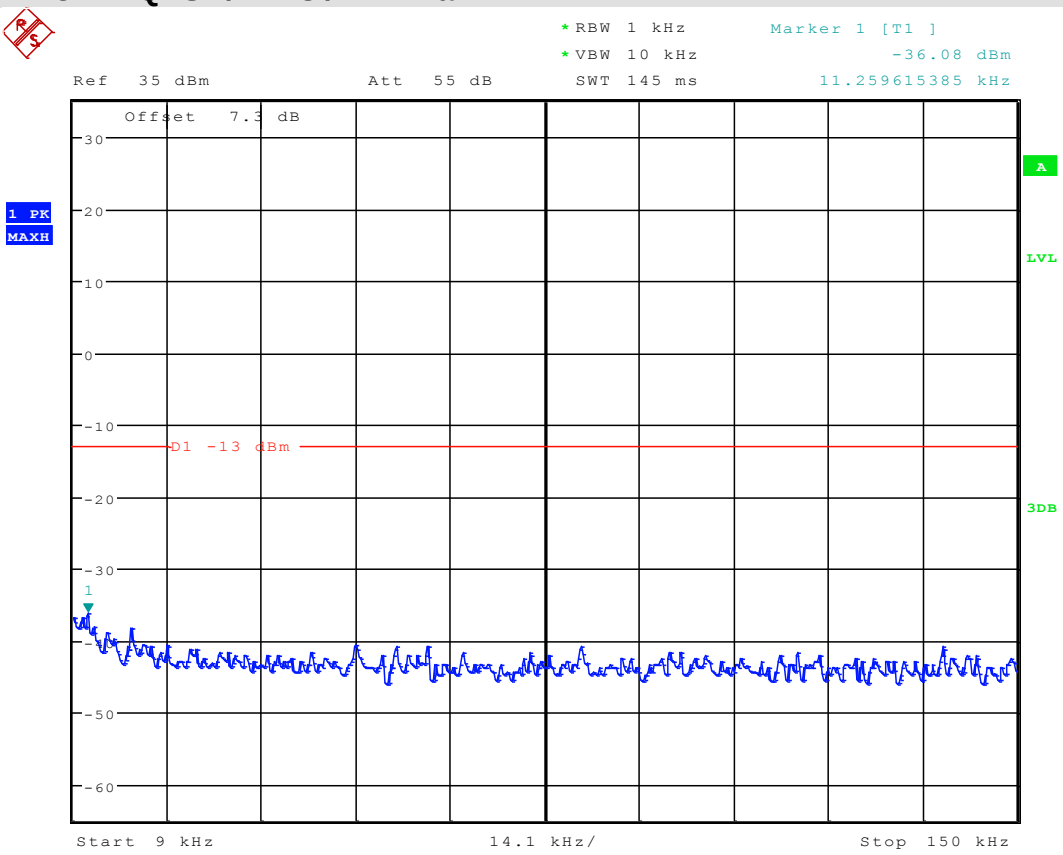
1.1.3.2.1 QPSK/1RBs /RB #0

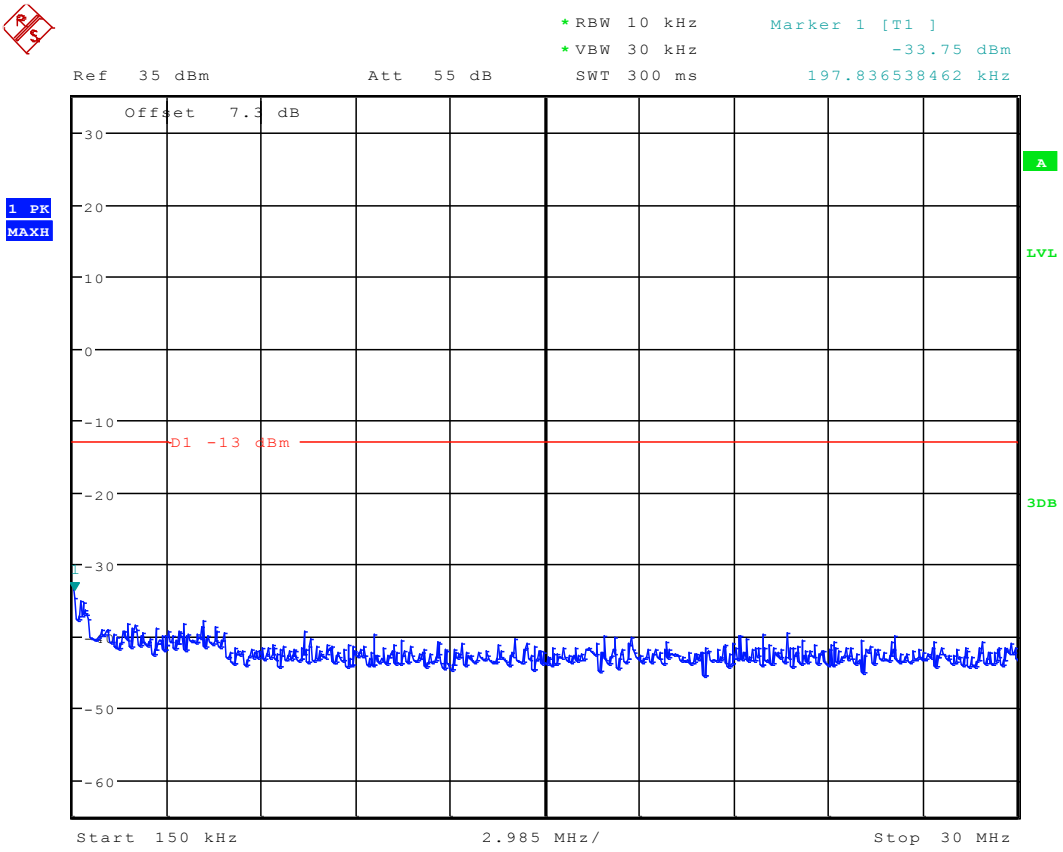


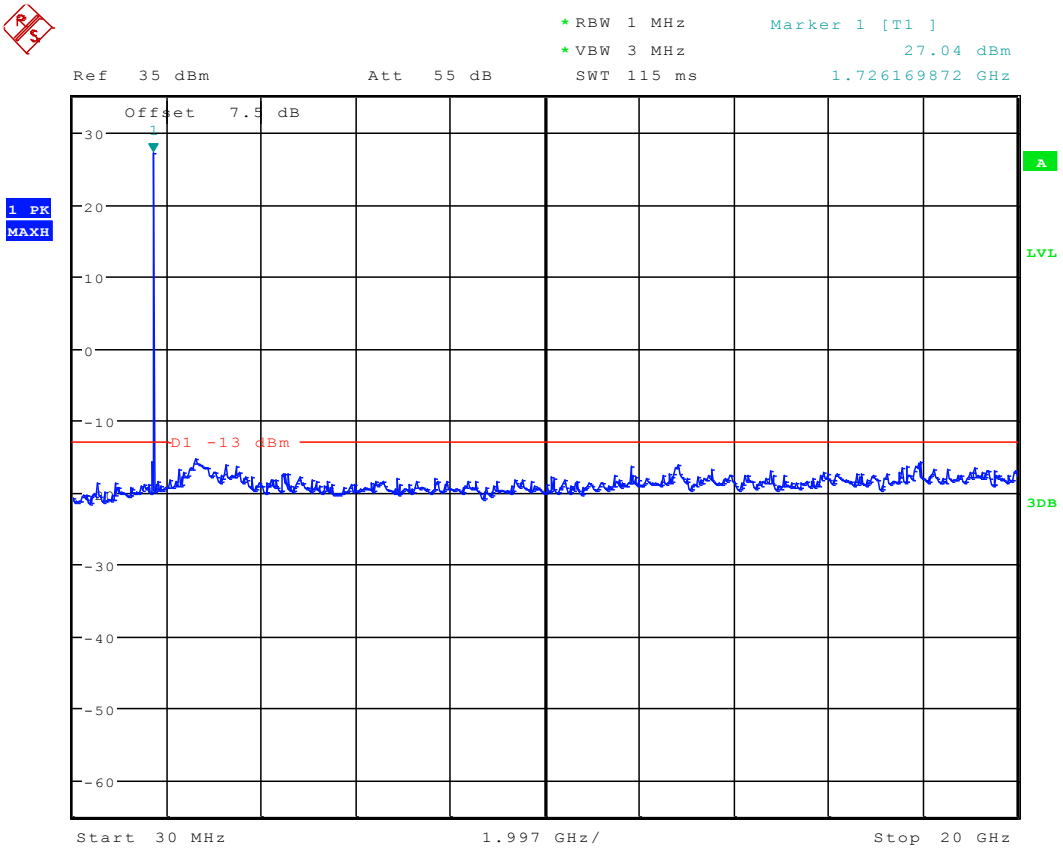

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.40 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


RBW 1 MHz
VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.88 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

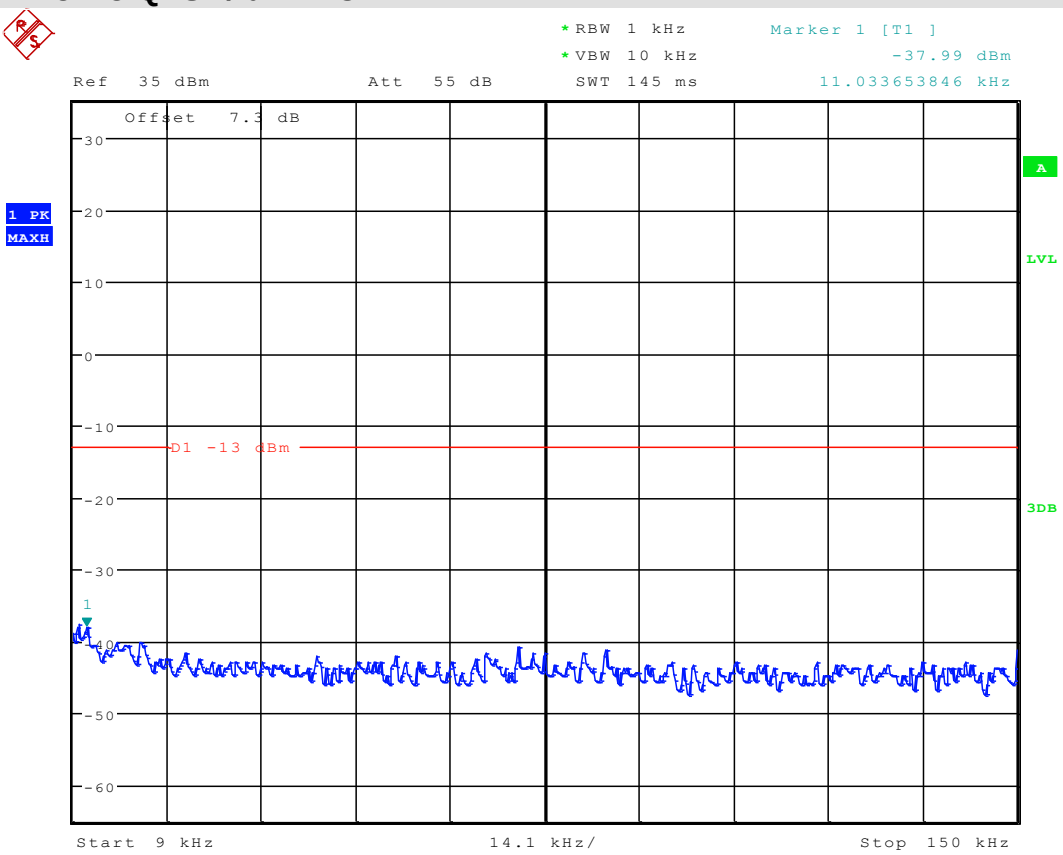
1.1.3.2.2 QPSK/1RBs /RB #max

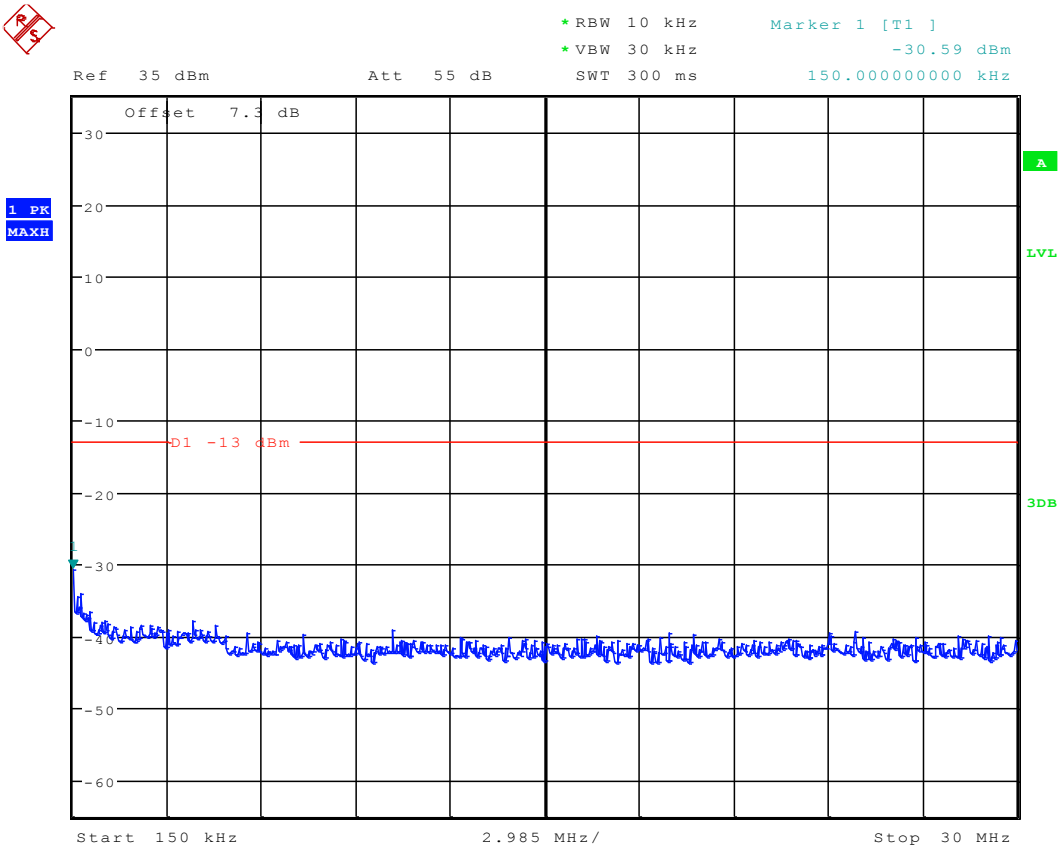


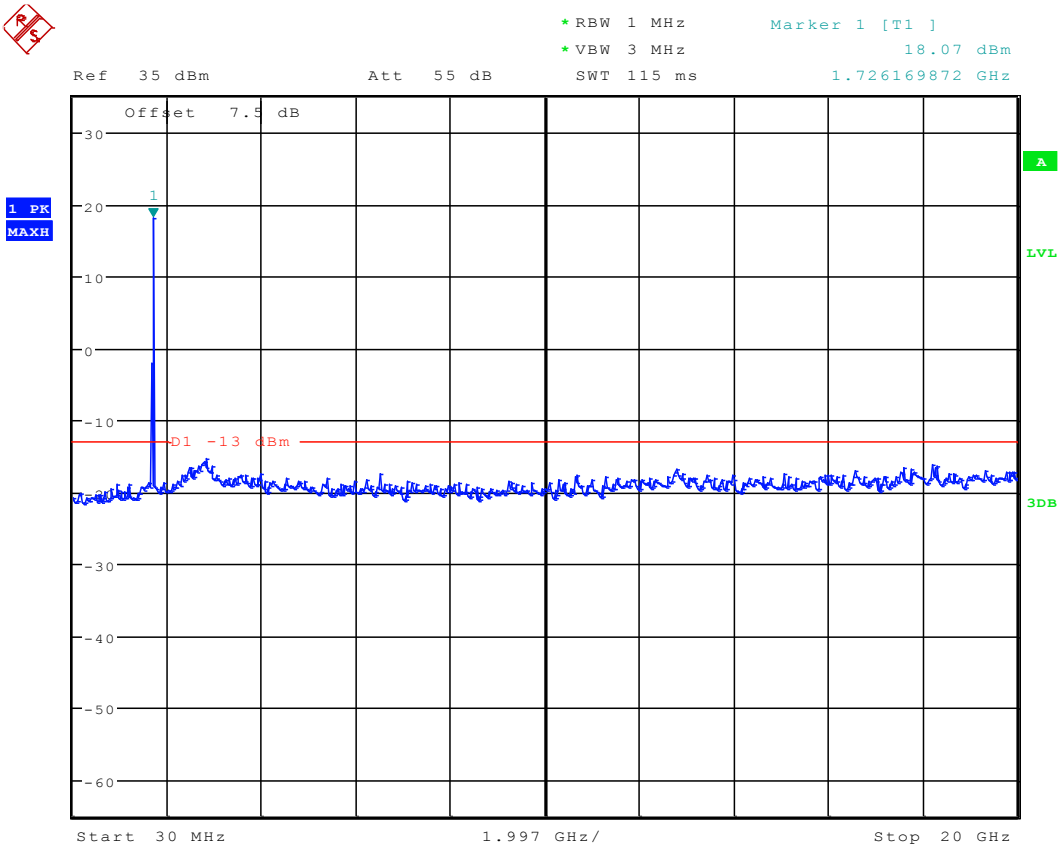

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.75 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


RBW 1 MHz
VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
27.04 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.3.2.3 QPSK/full RBs

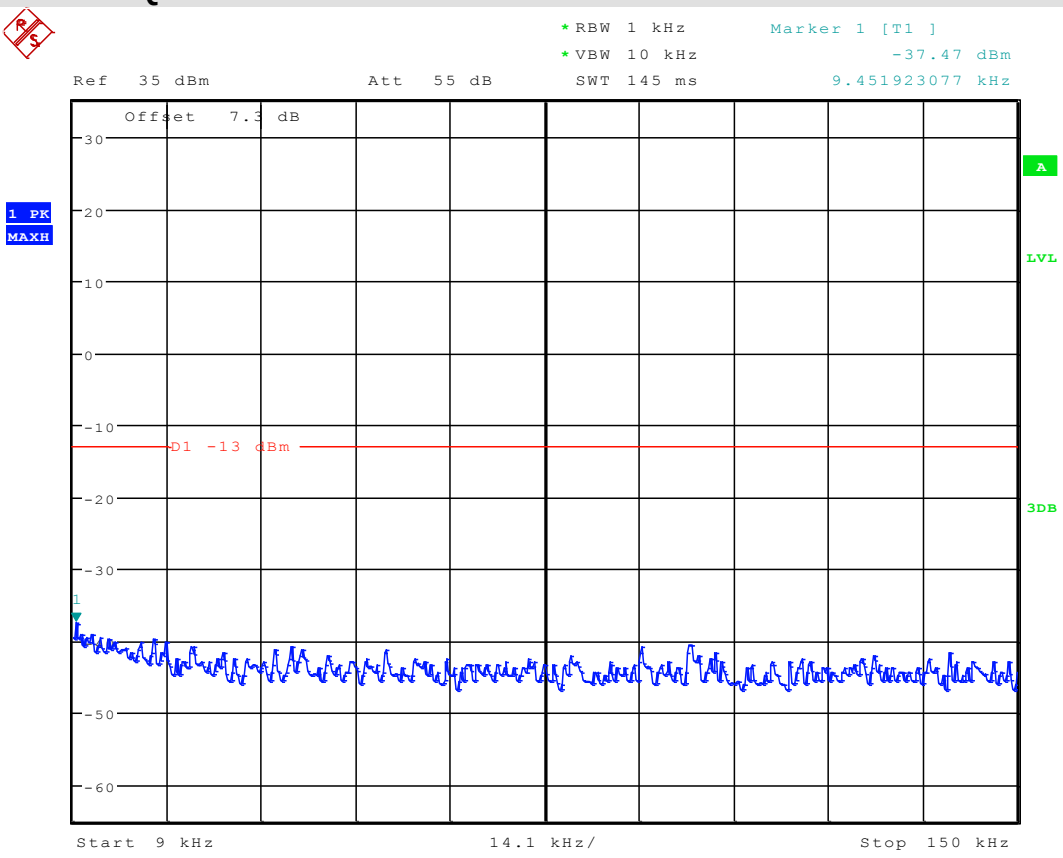


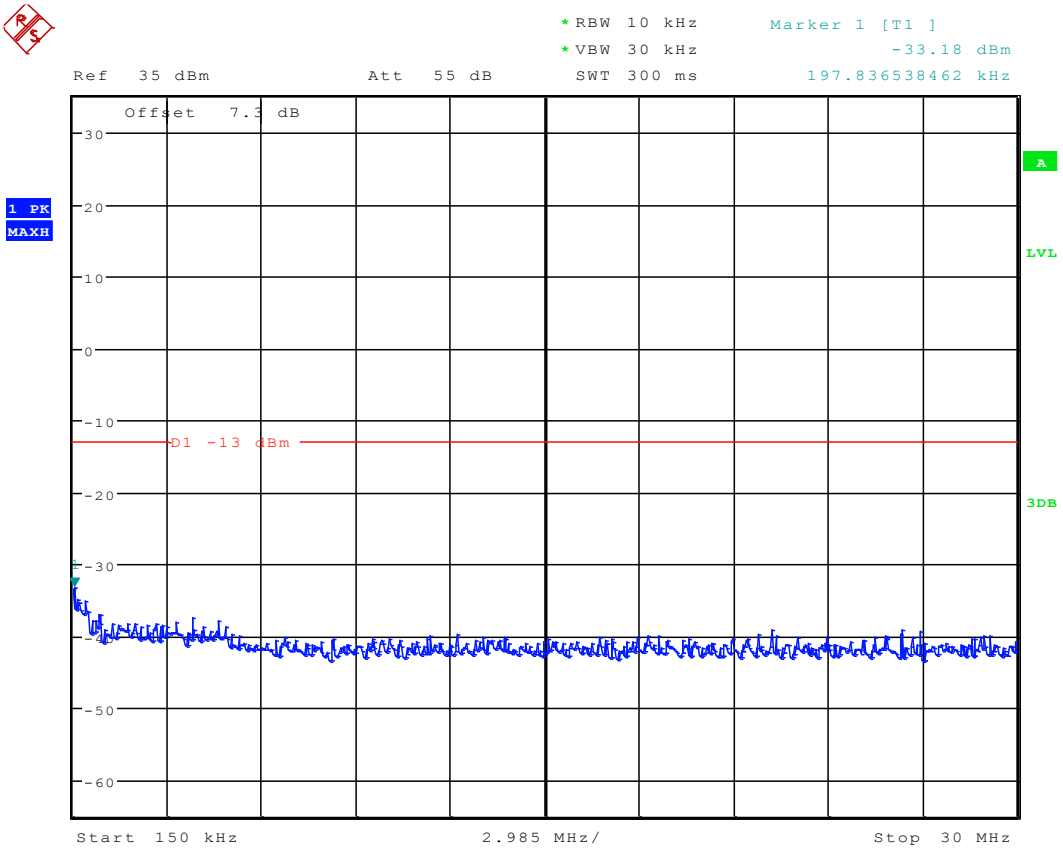

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-30.59 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

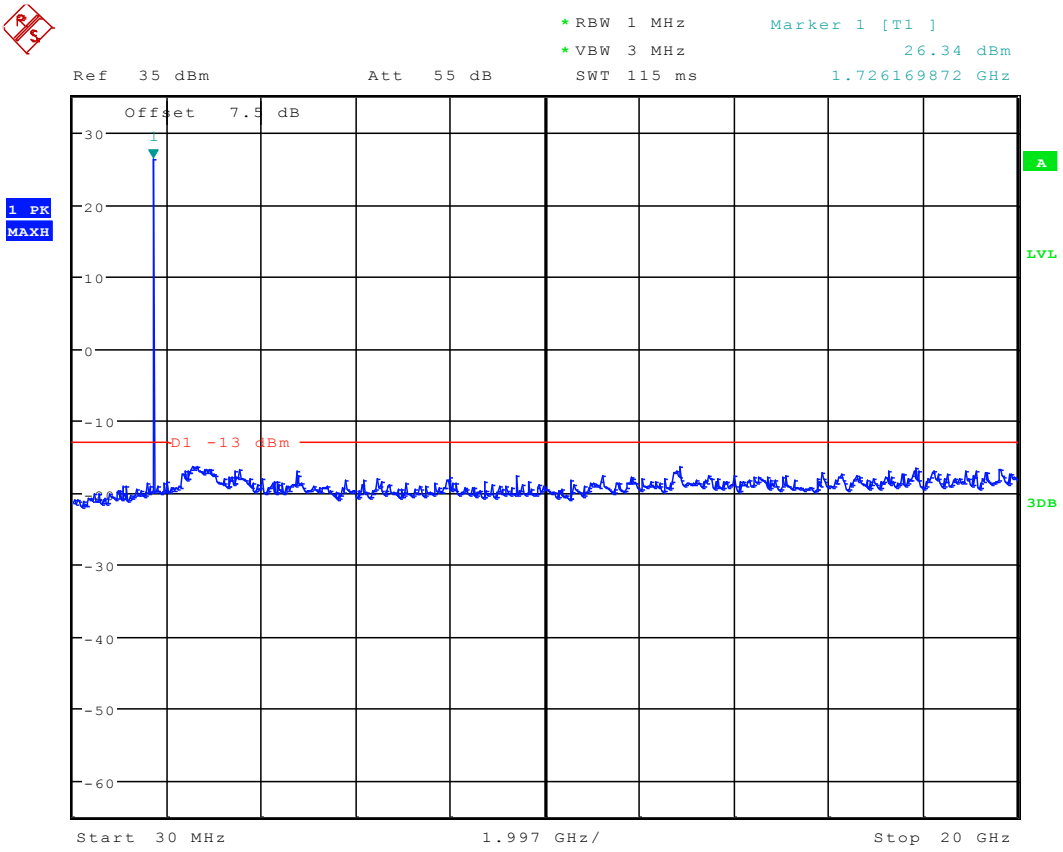

* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
18.07 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.3.3 Channel = T

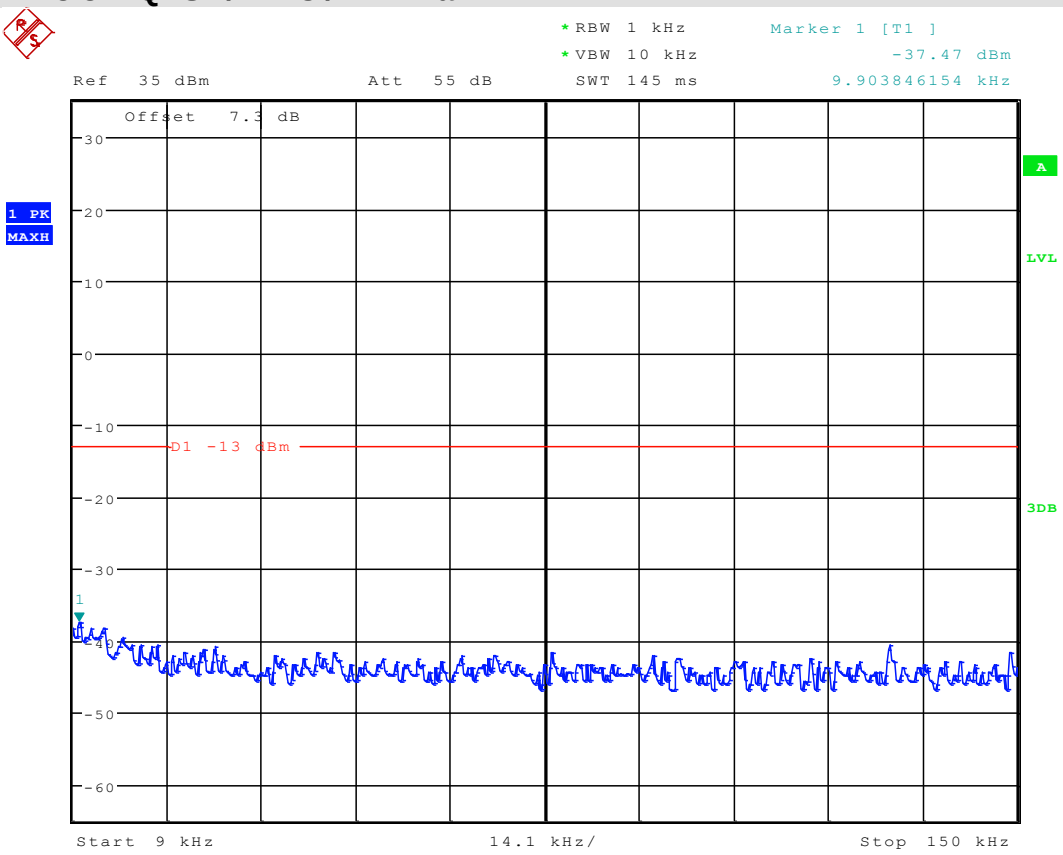
1.1.3.3.1 QPSK/1RBs /RB #0

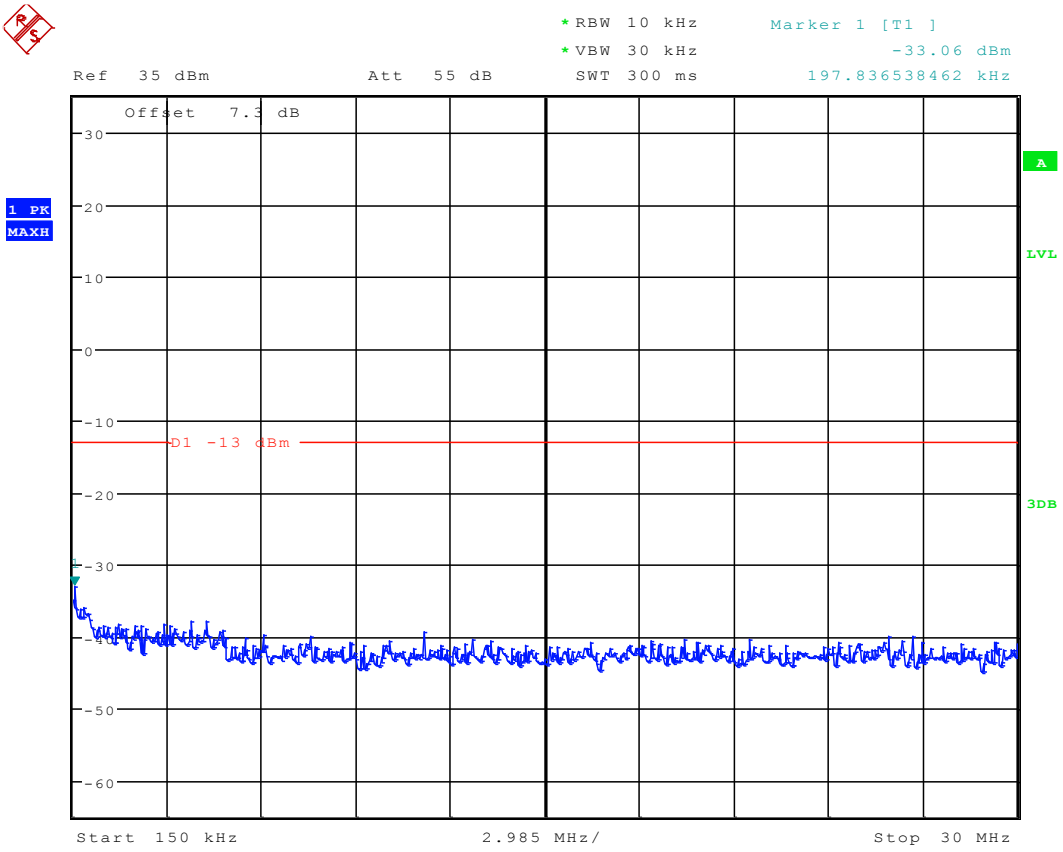


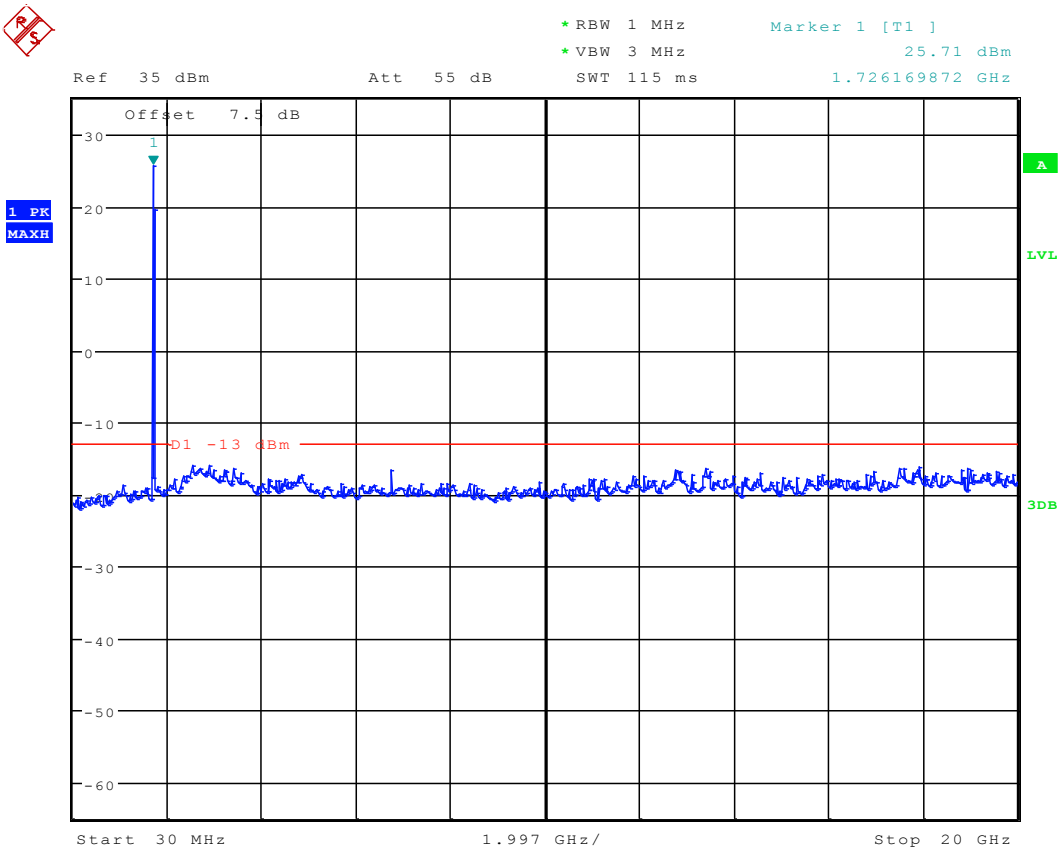

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.18 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
26.34 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

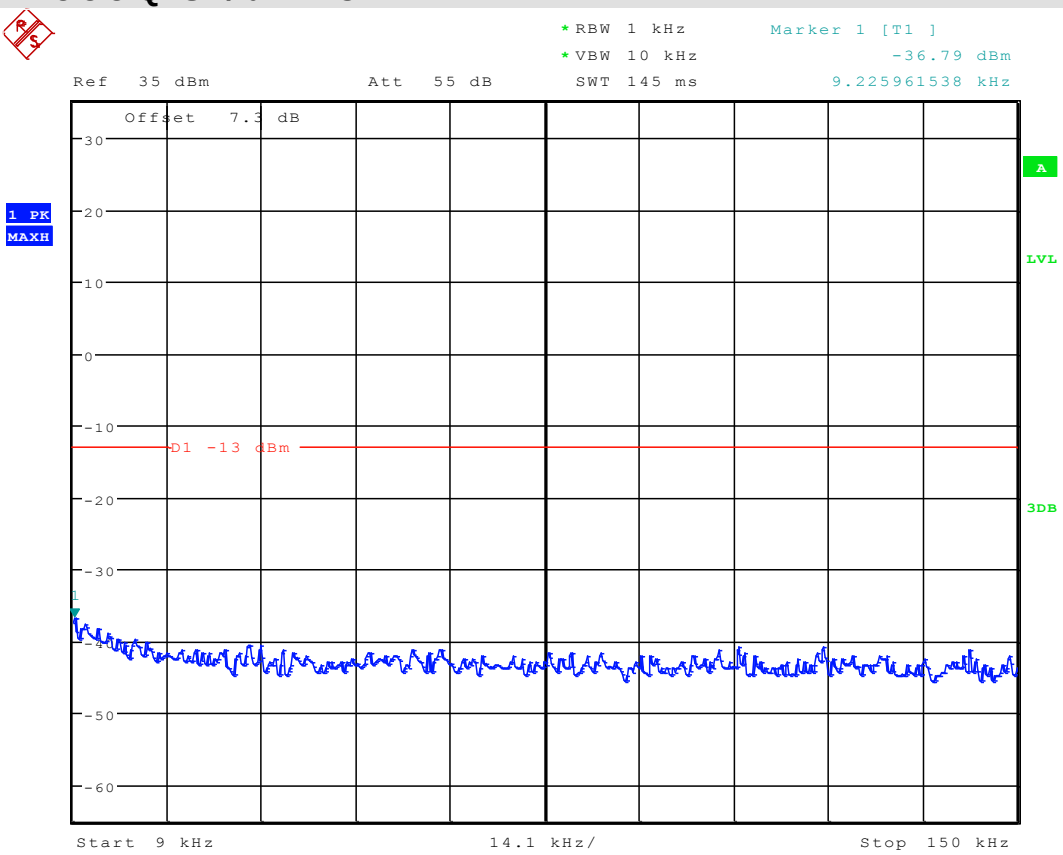
1.1.3.3.2 QPSK/1RBs /RB #max

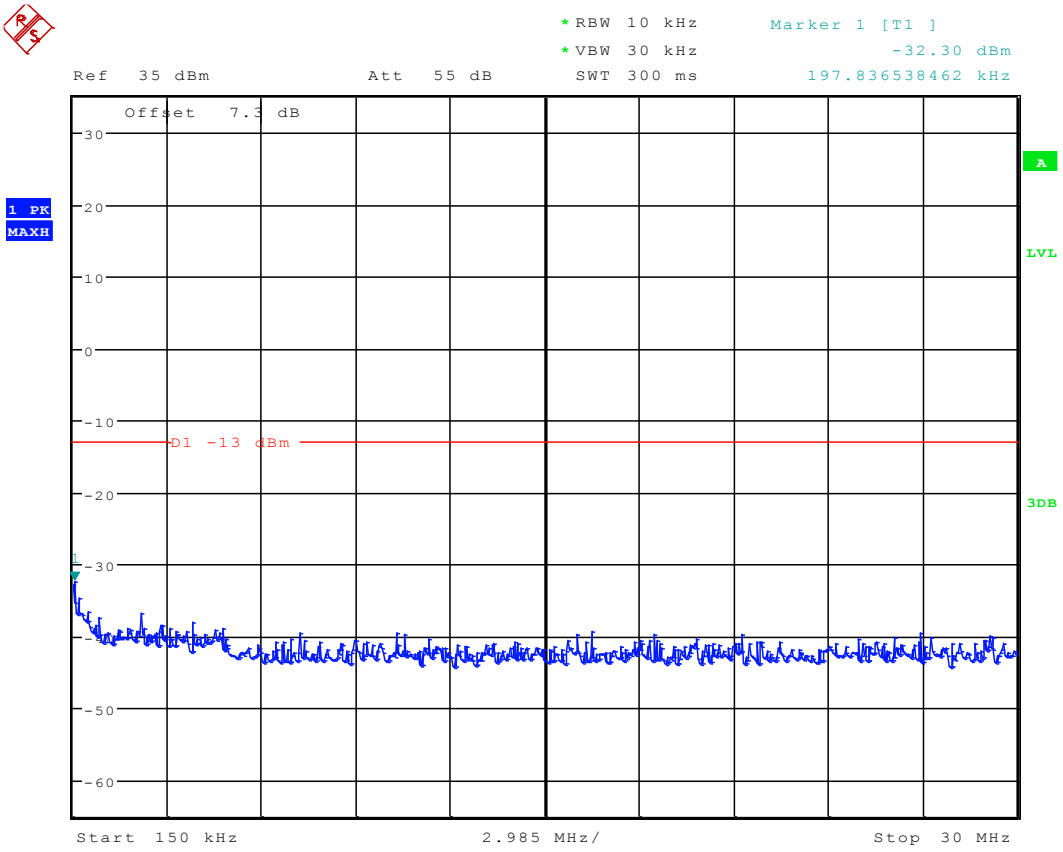


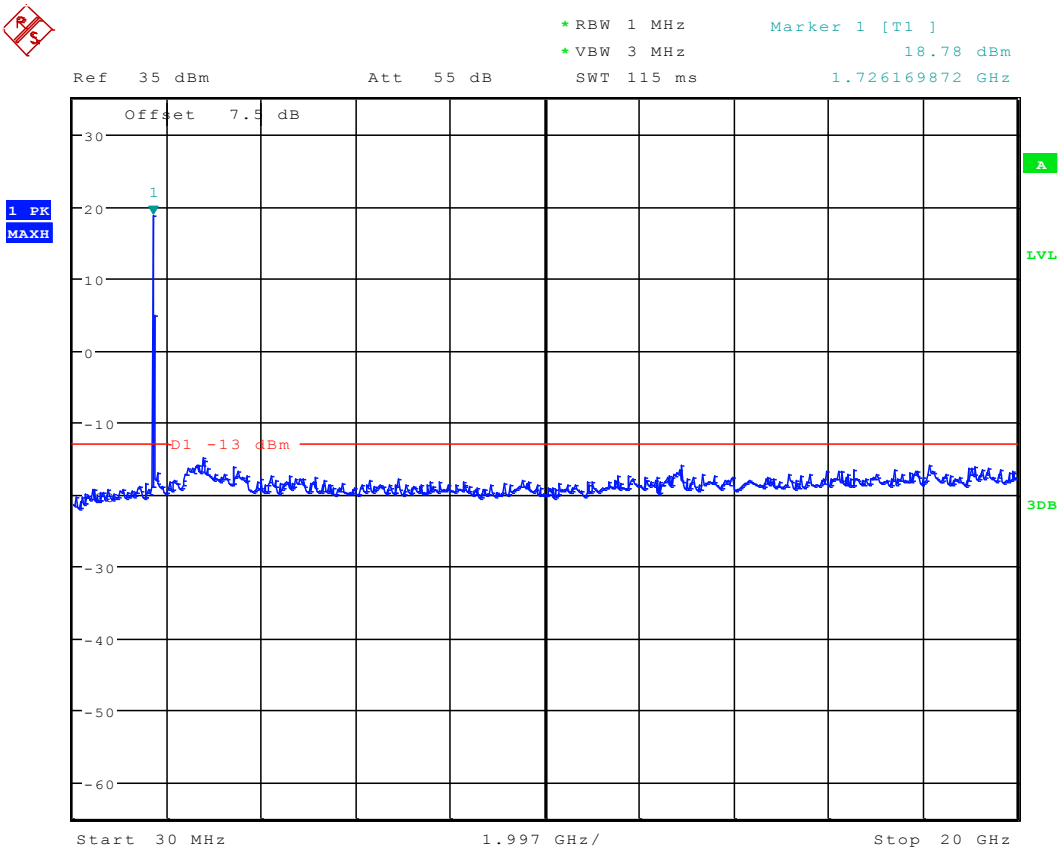

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.06 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
25.71 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

1.1.3.3.3 QPSK/full RBs




RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.30 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


* RBW 1 MHz
* VBW 3 MHz
SWT 115 ms
Marker 1 [T1]
18.78 dBm
1.726169872 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 30 MHz
1.997 GHz/
Stop 20 GHz

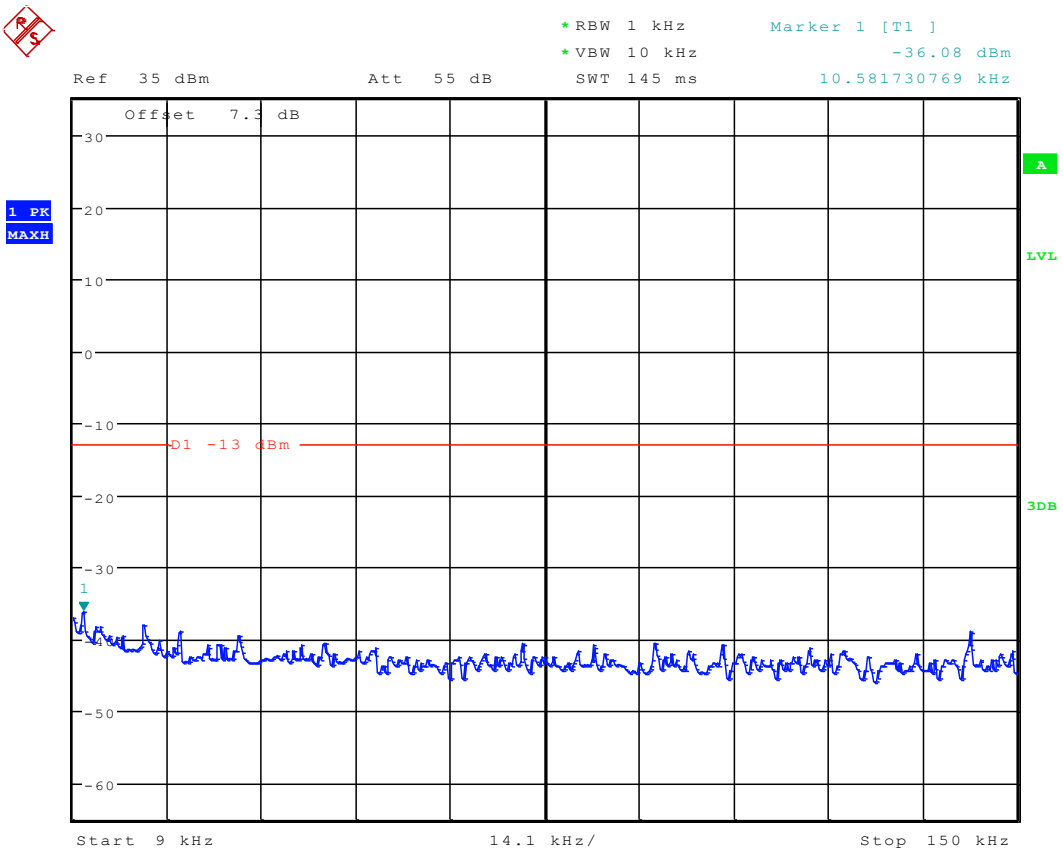
2 For Band 17

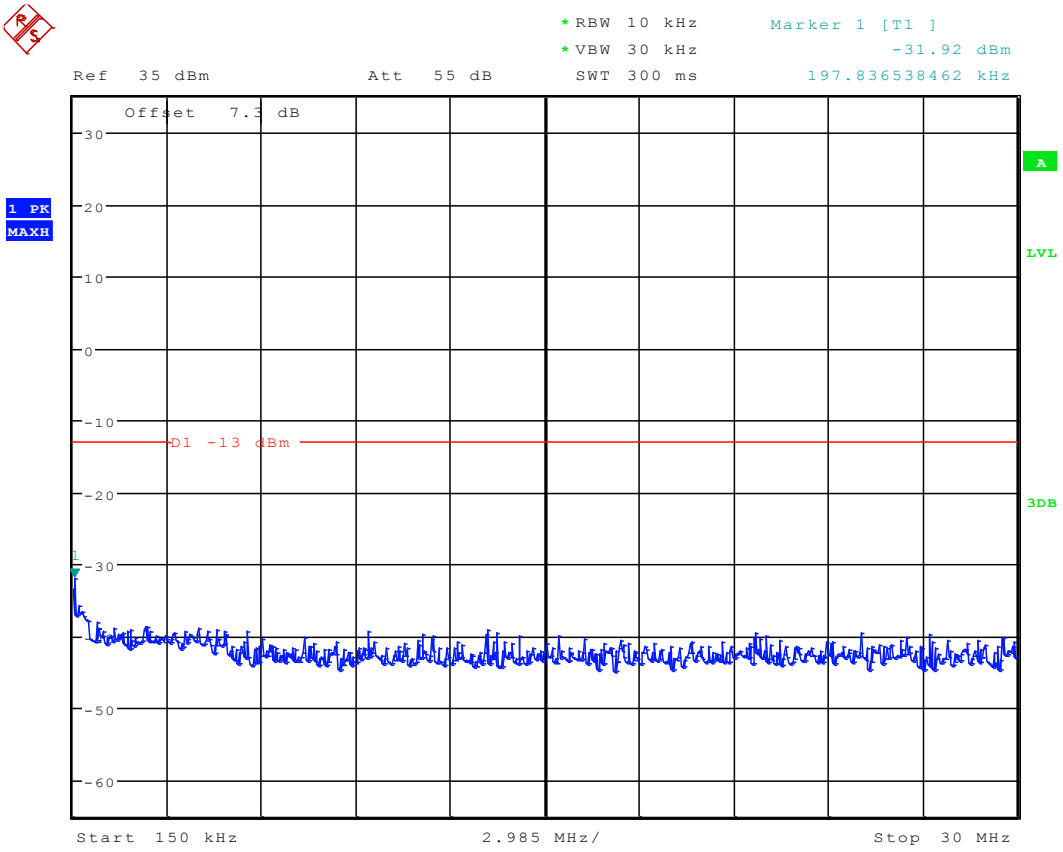
2.1 Test Mode=TM1

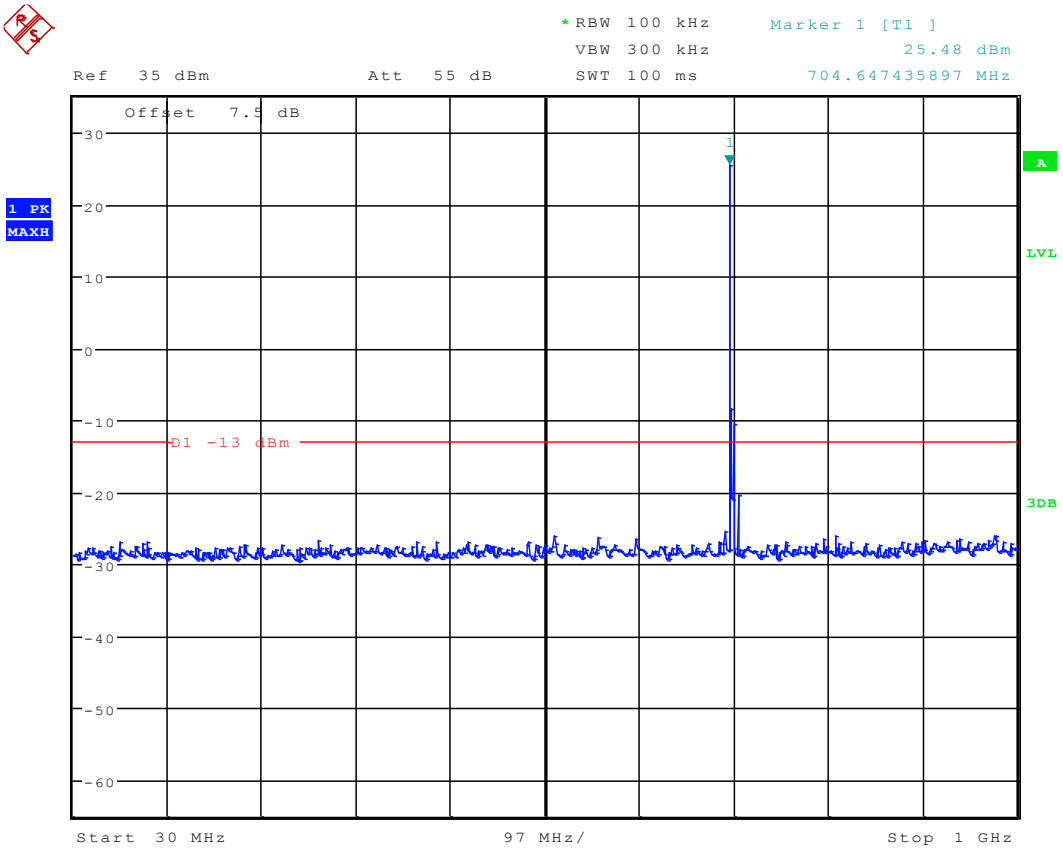
2.1.1 Channel Bandwidth = Lowest (5 MHz)

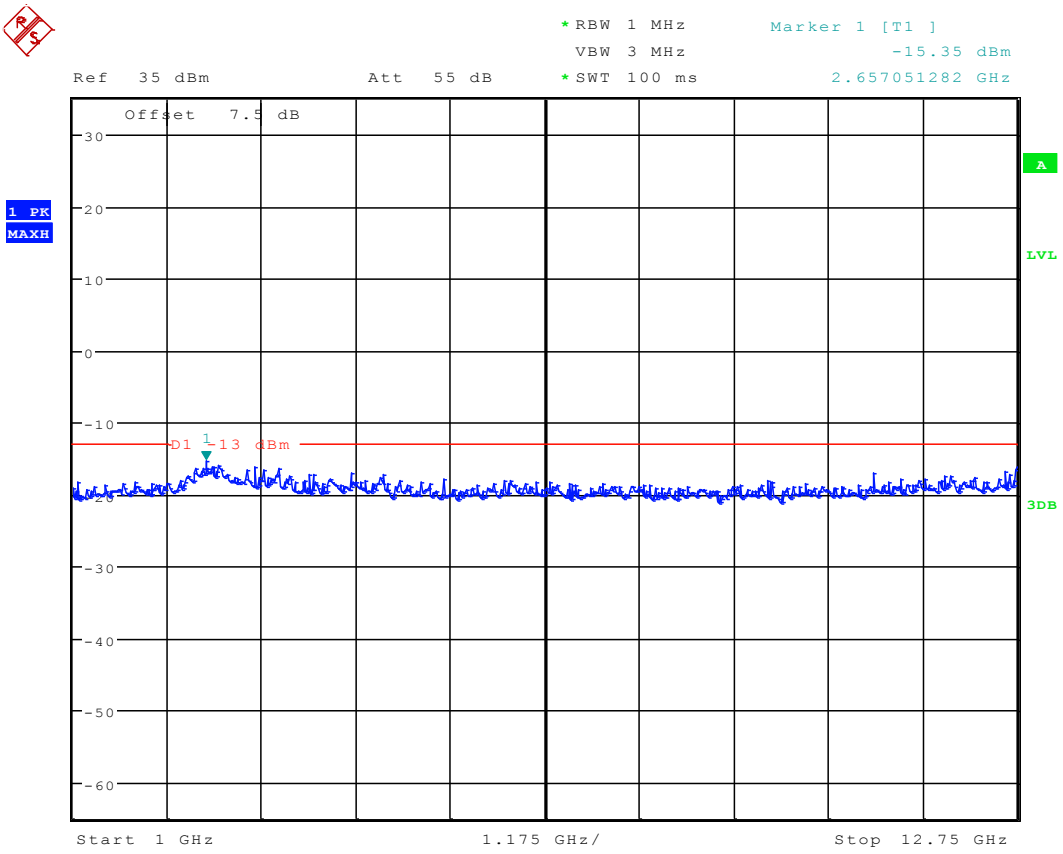
2.1.1.1 Channel = B

2.1.1.1.1 QPSK/1RBs /RB #0

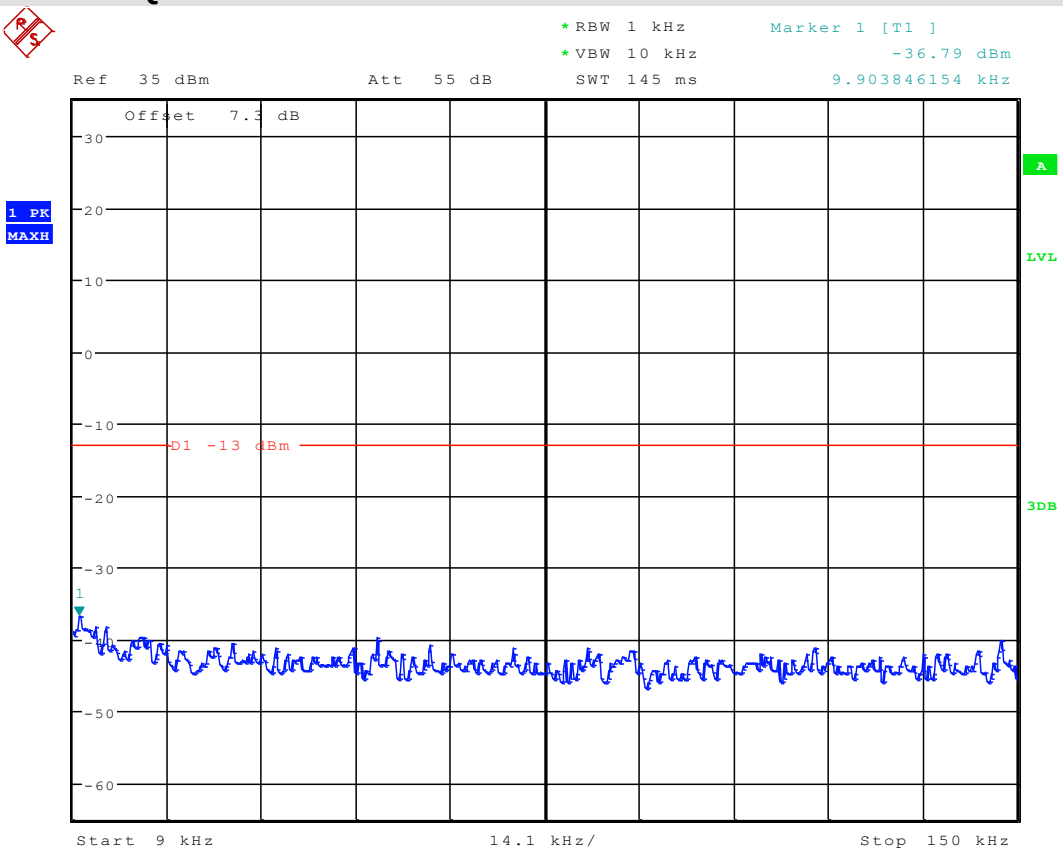


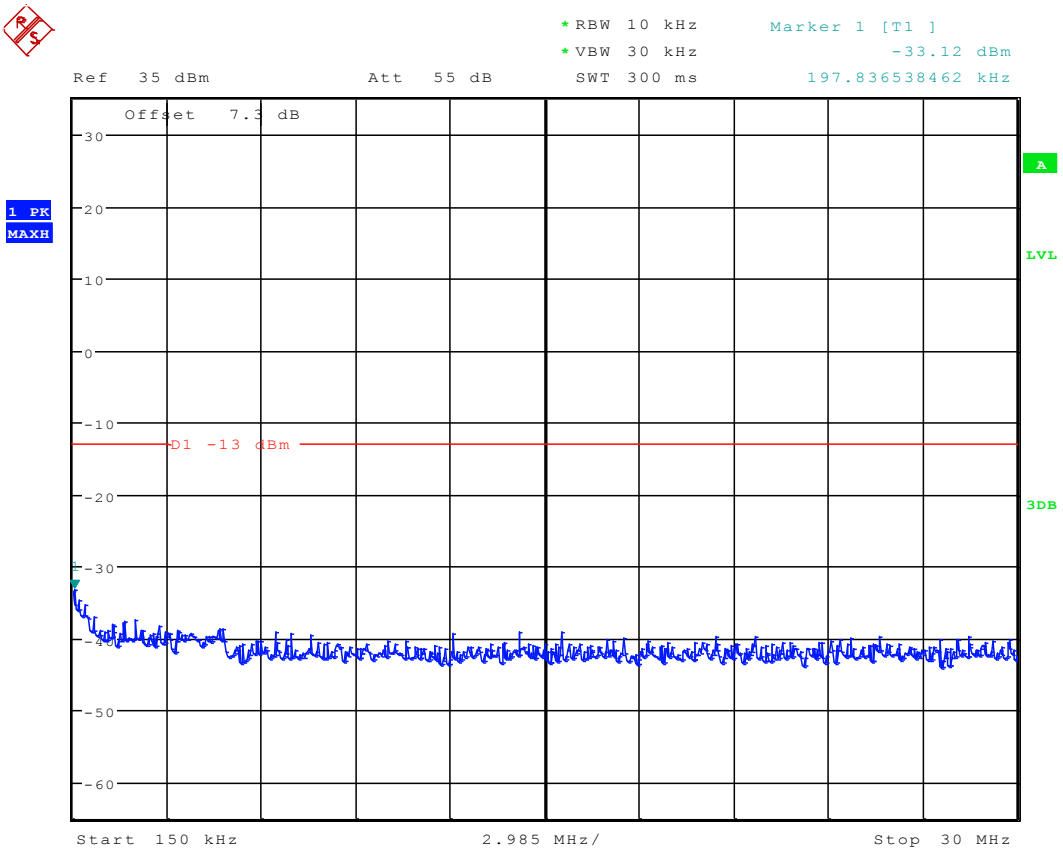

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.92 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

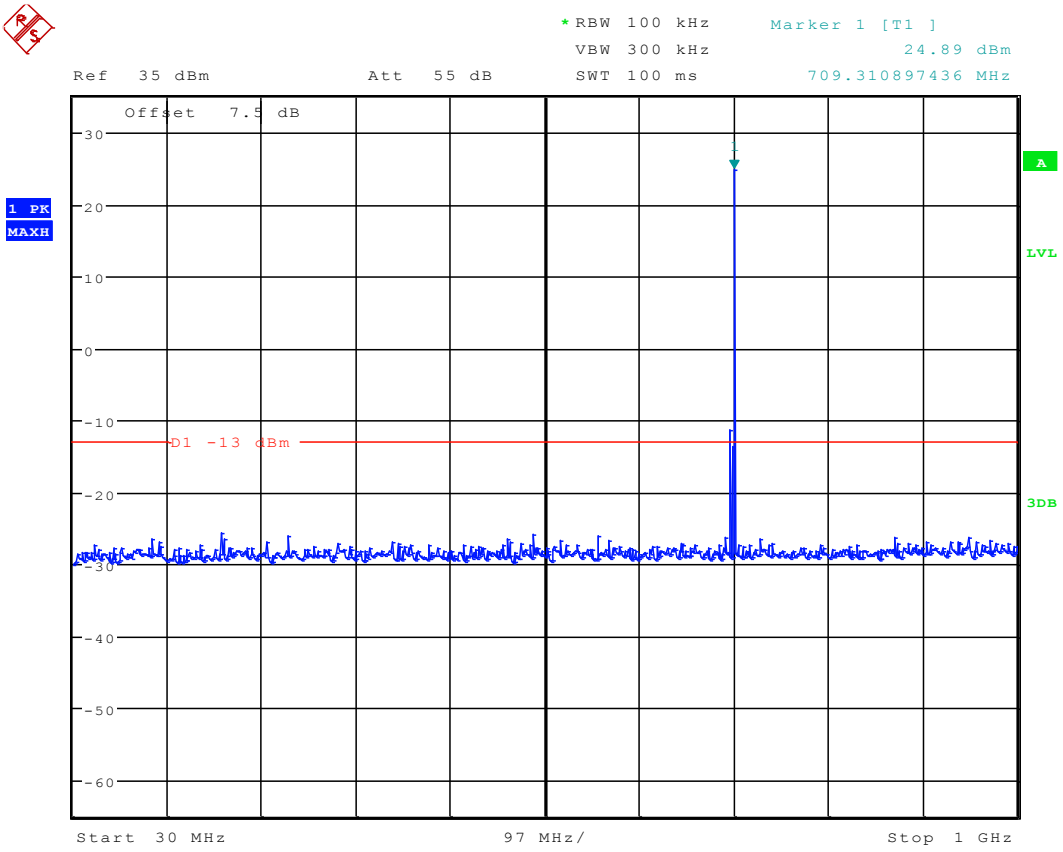

*RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
25.48 dBm
704.647435897 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

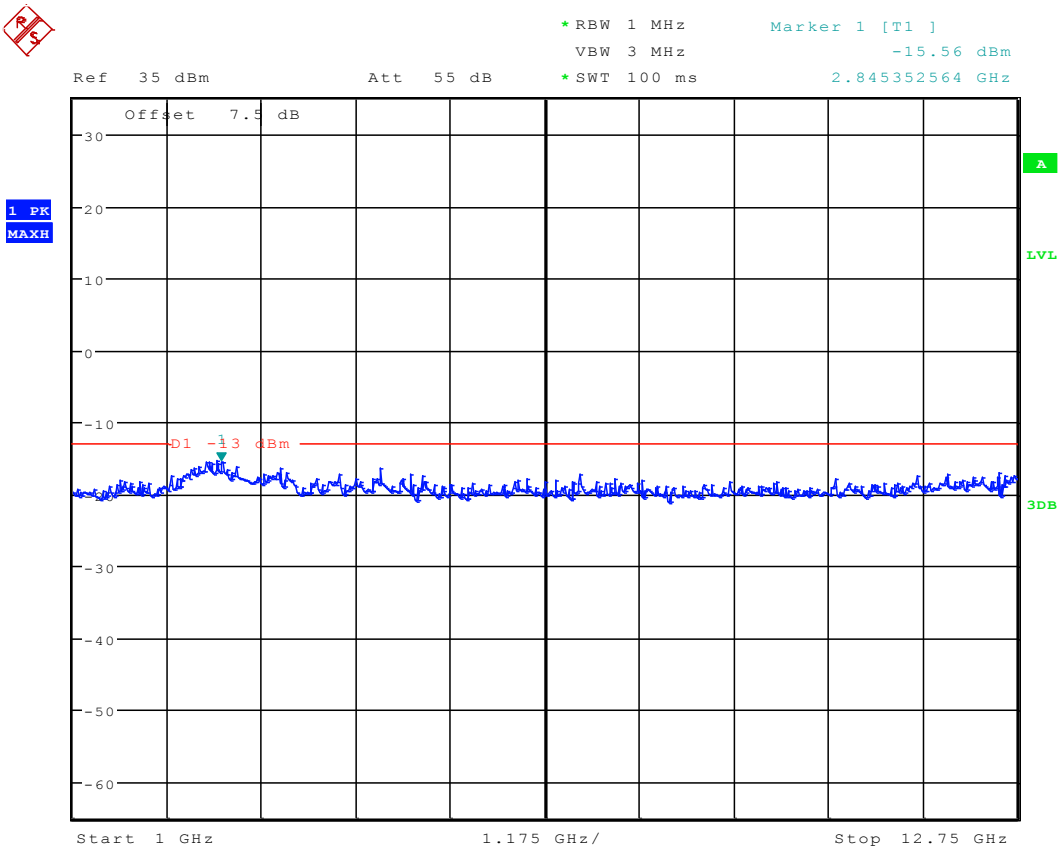

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.35 dBm
2.657051282 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.1.1.2 QPSK/1RBs /RB #max

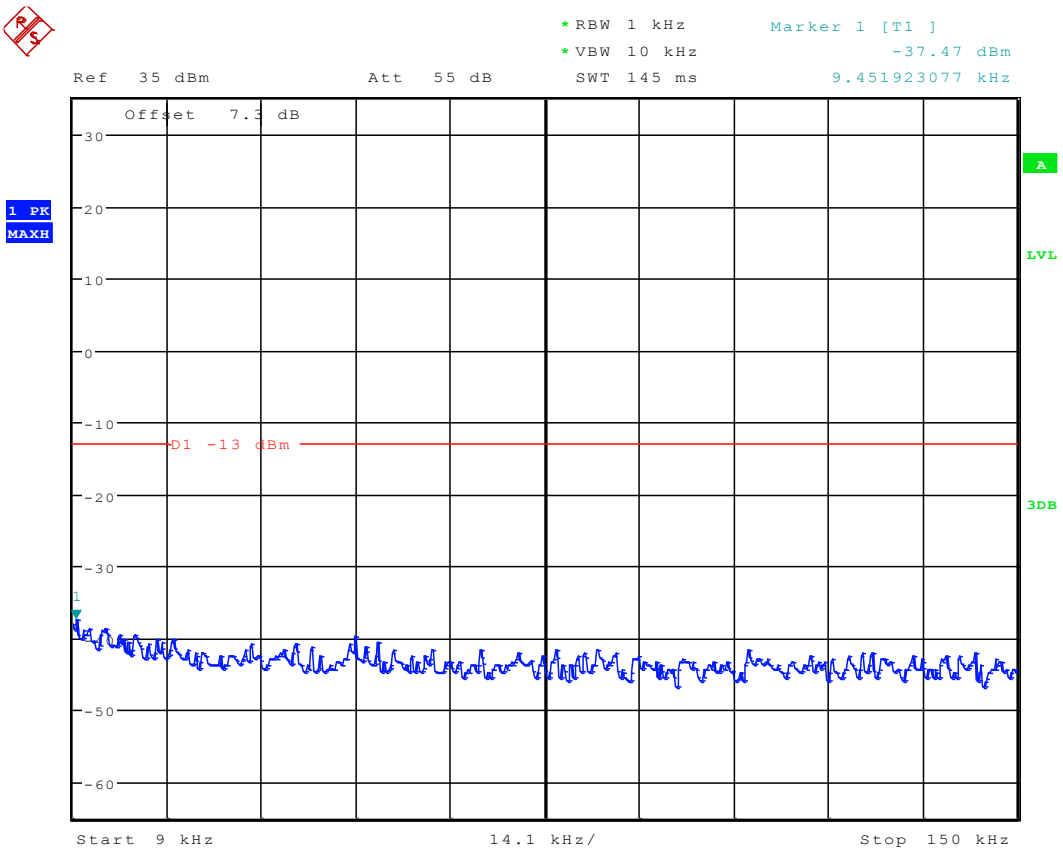


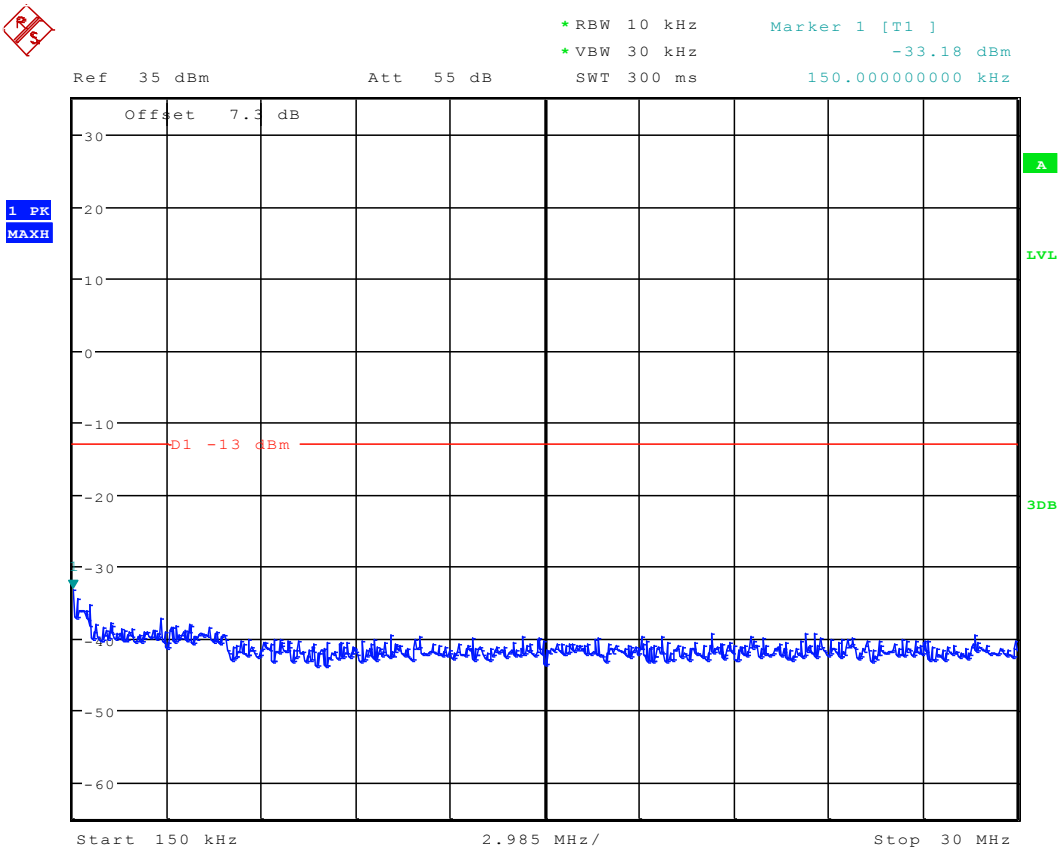

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.12 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

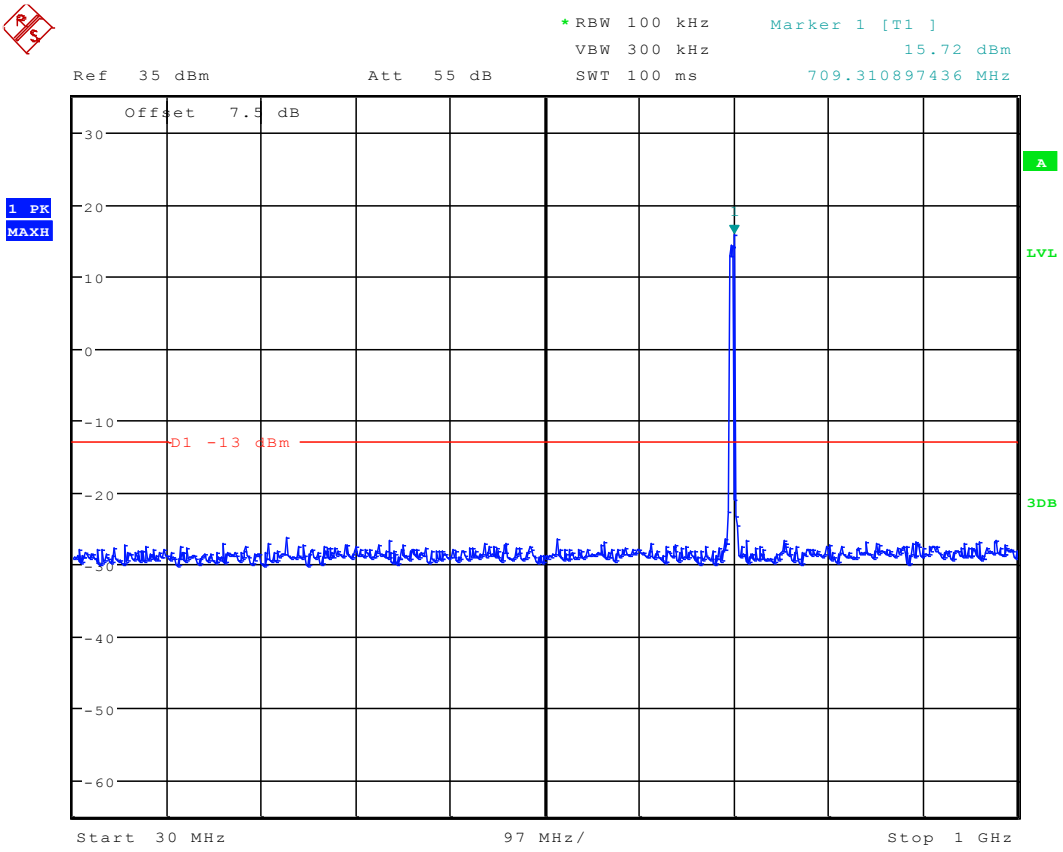

RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
24.89 dBm
709.310897436 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

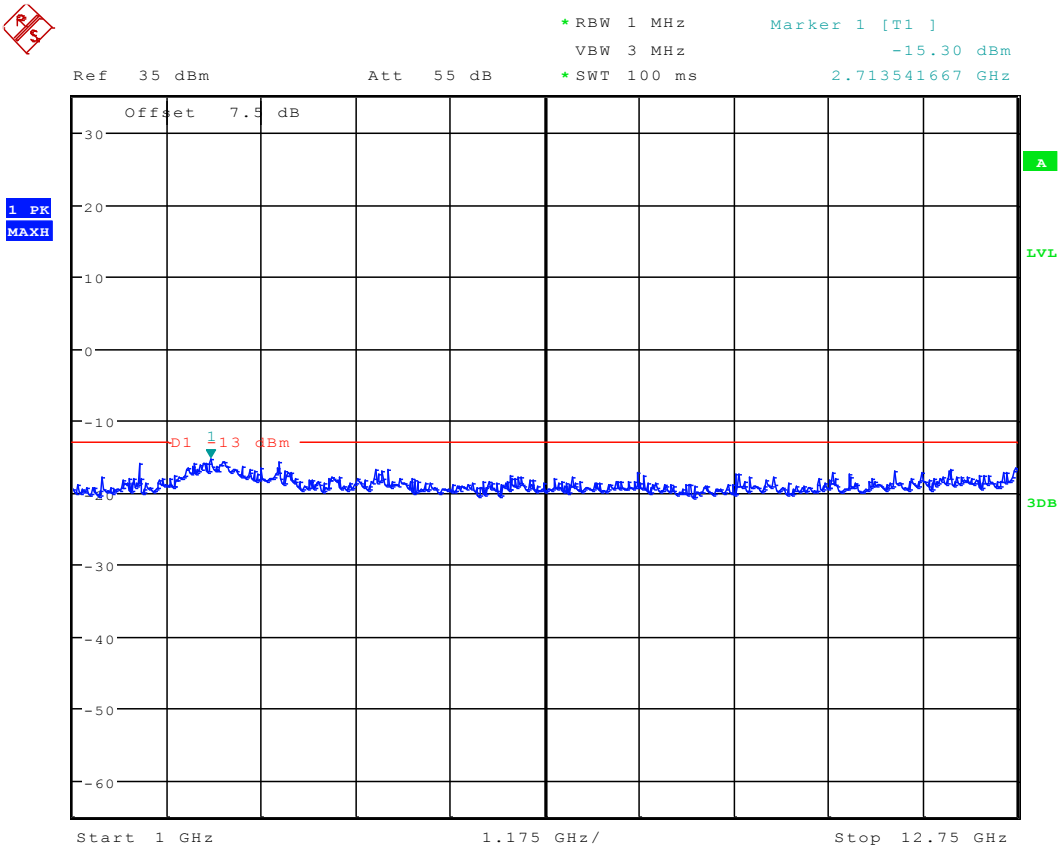

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.56 dBm
2.845352564 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.1.1.3 QPSK/full RBs



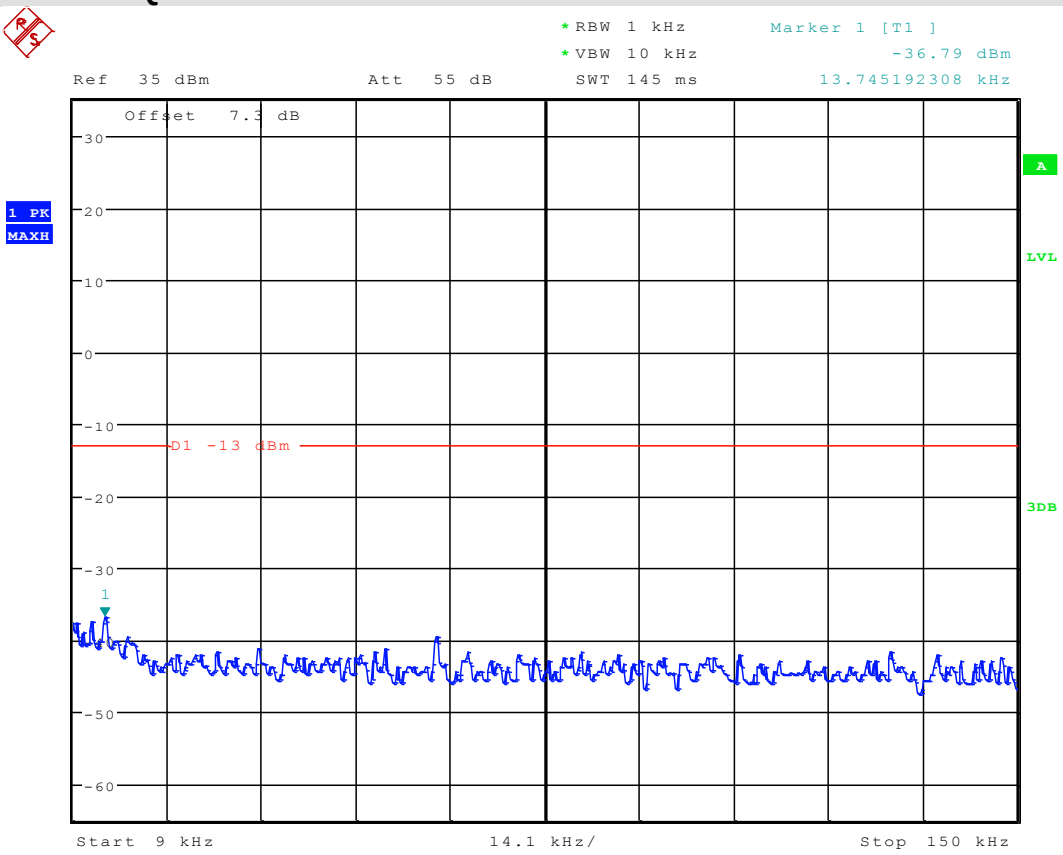

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.18 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

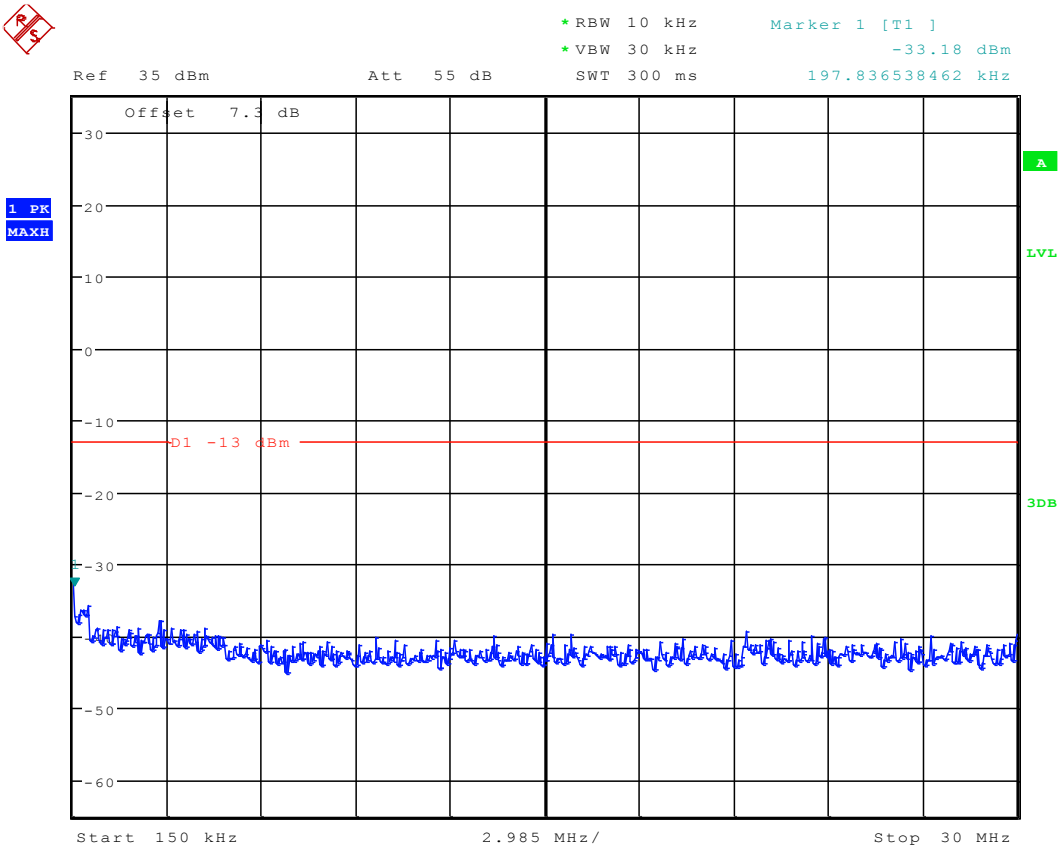

*RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
15.72 dBm
709.310897436 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

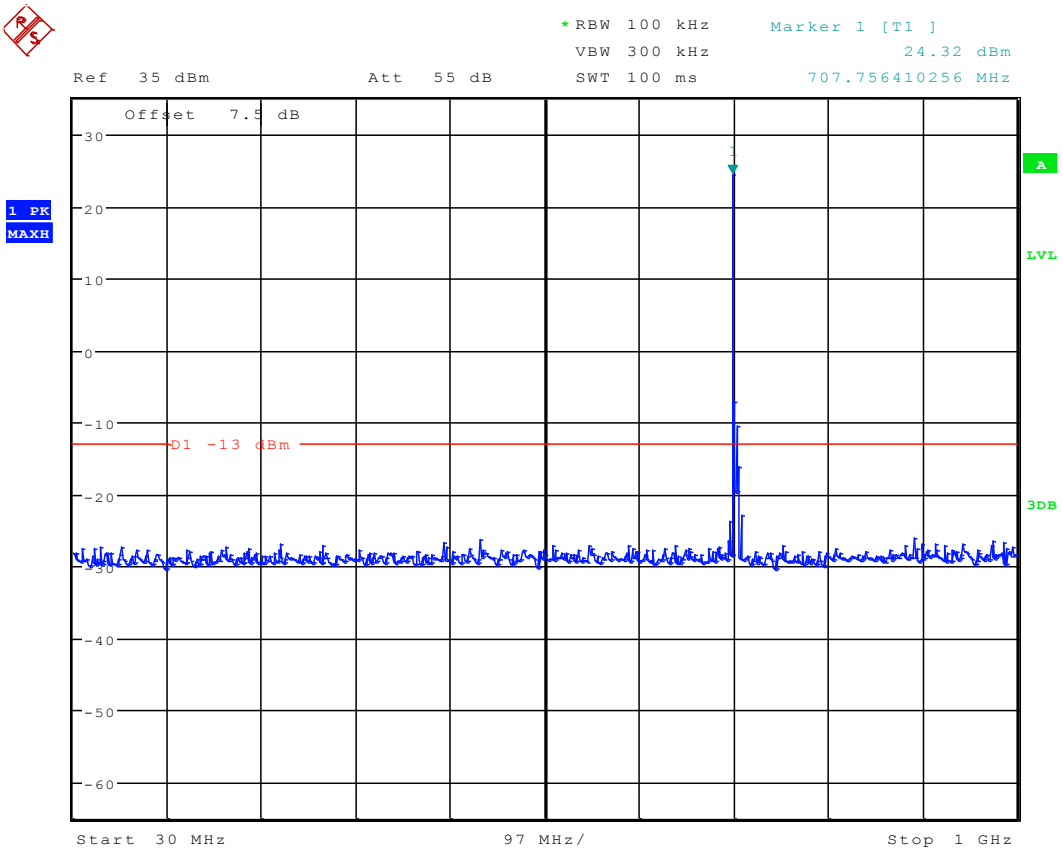

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.30 dBm
2.713541667 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

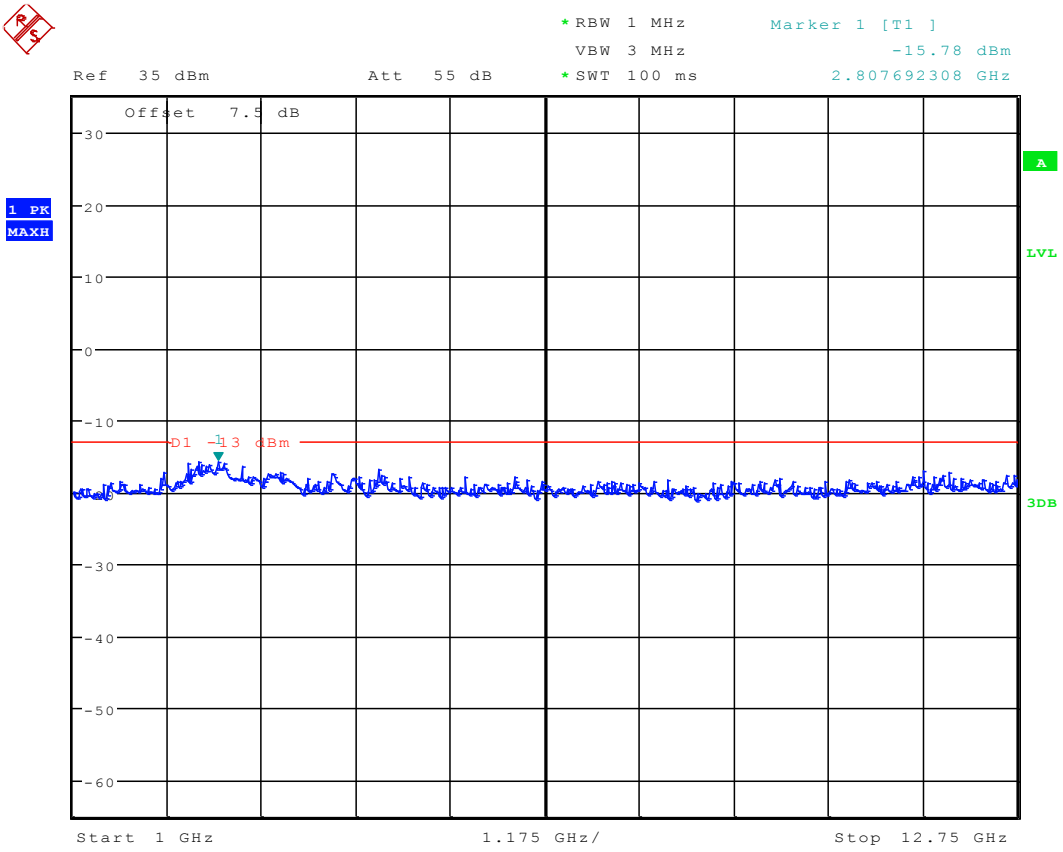
2.1.1.2 Channel = M

2.1.1.2.1 QPSK/1RBs /RB #0

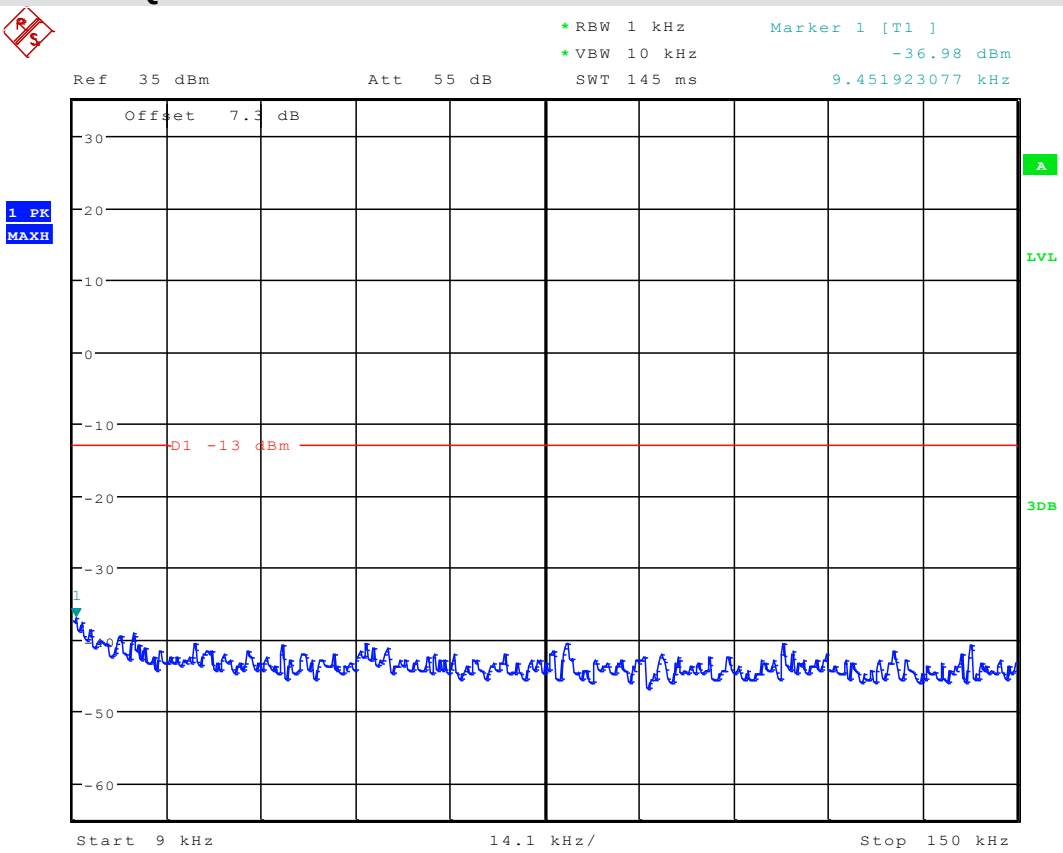


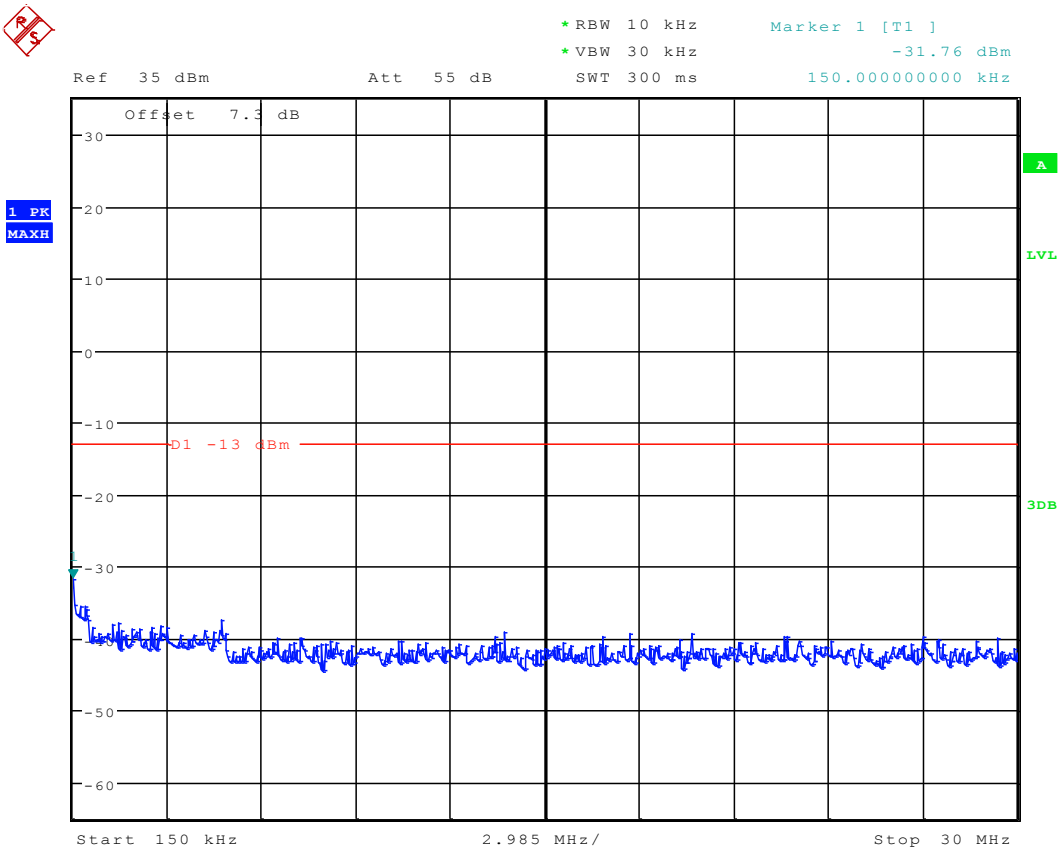

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.18 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

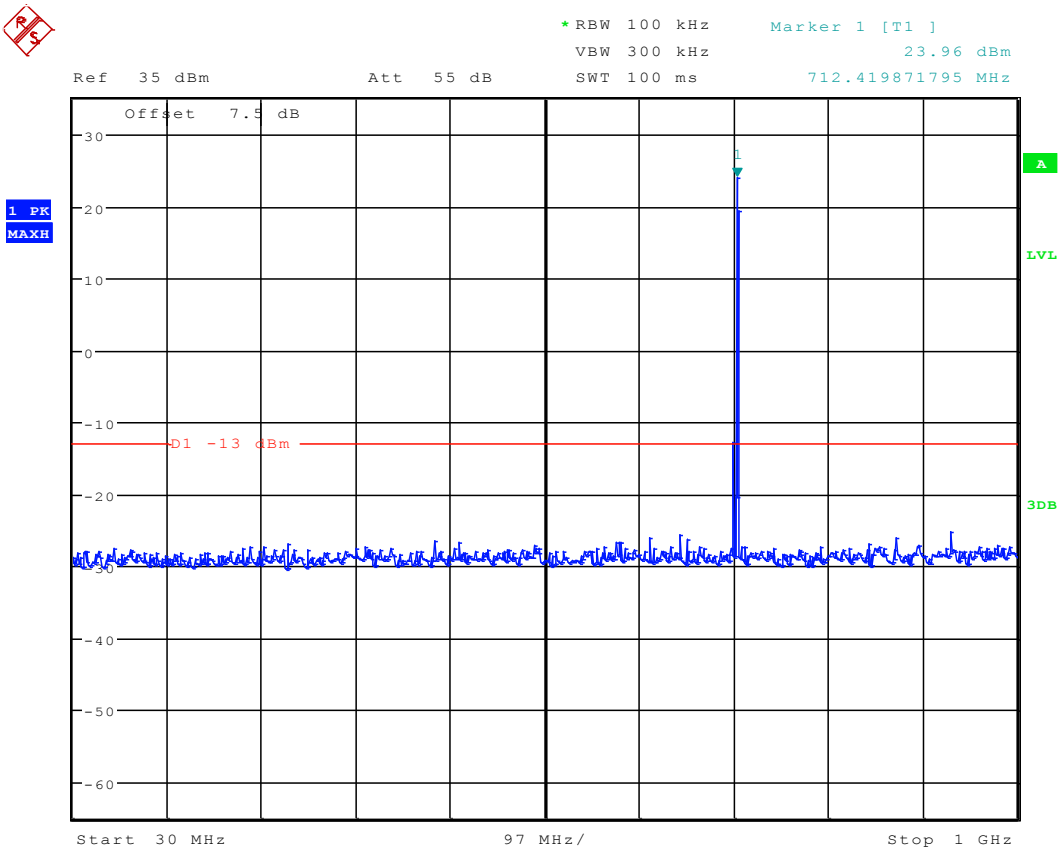

*RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
24.32 dBm
707.756410256 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

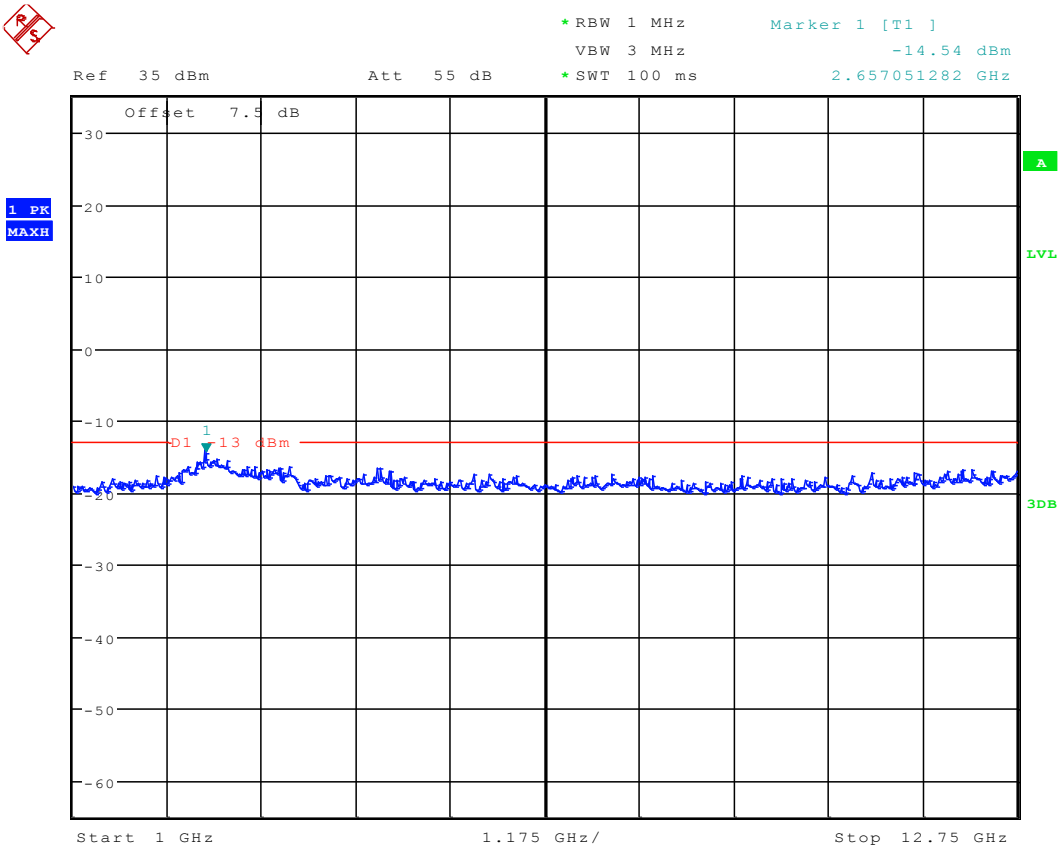

RBW 1 MHz
VBW 3 MHz
SWT 100 ms
Marker 1 [T1]
-15.78 dBm
2.807692308 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.1.2.2 QPSK/1RBs /RB #max

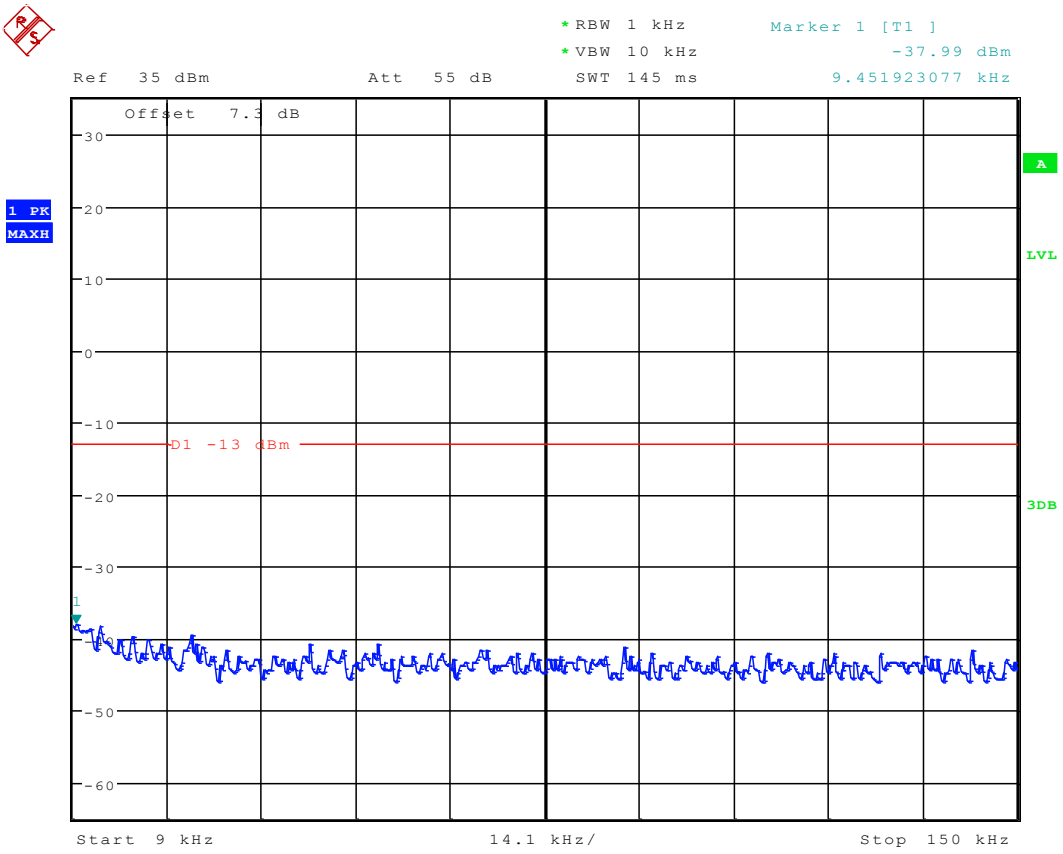


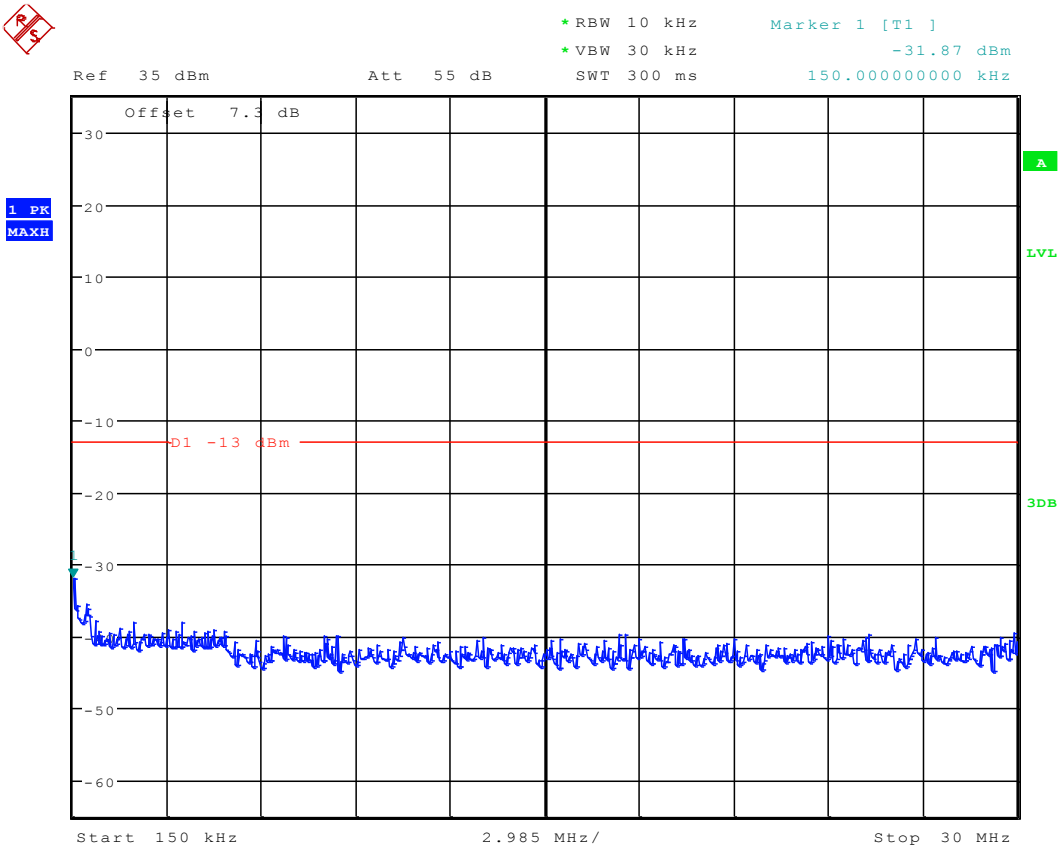

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.76 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

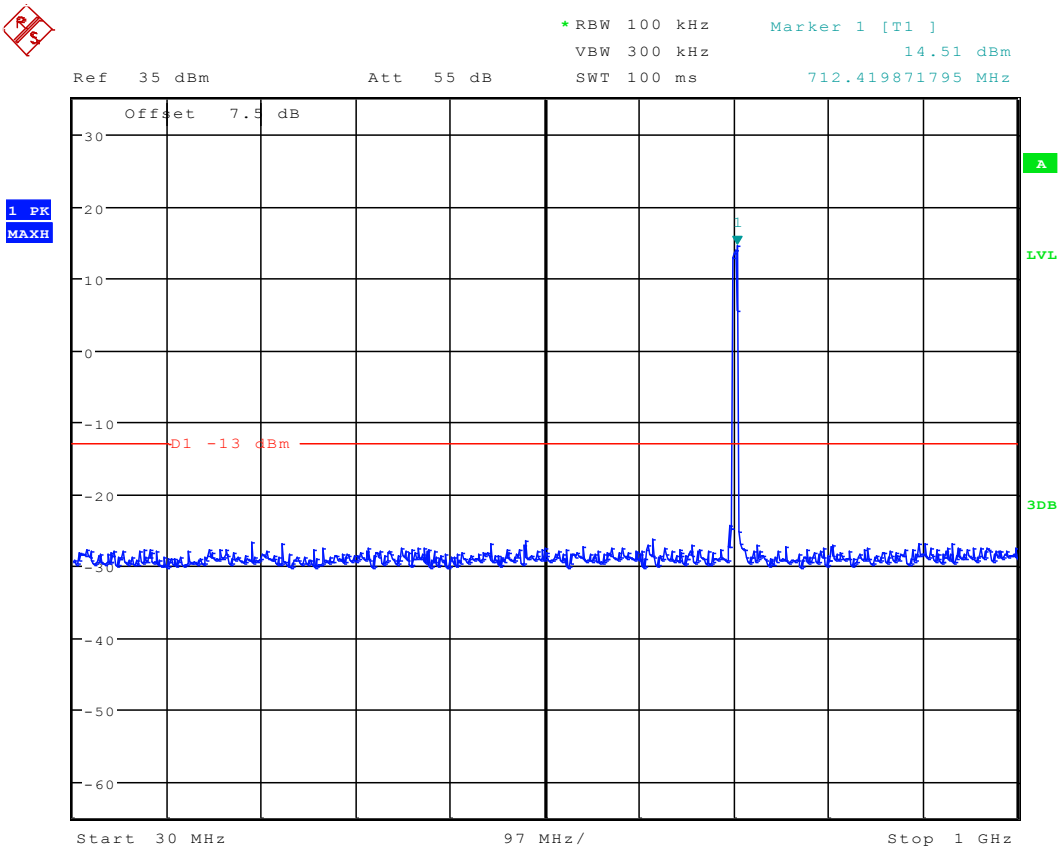

RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
23.96 dBm
712.419871795 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

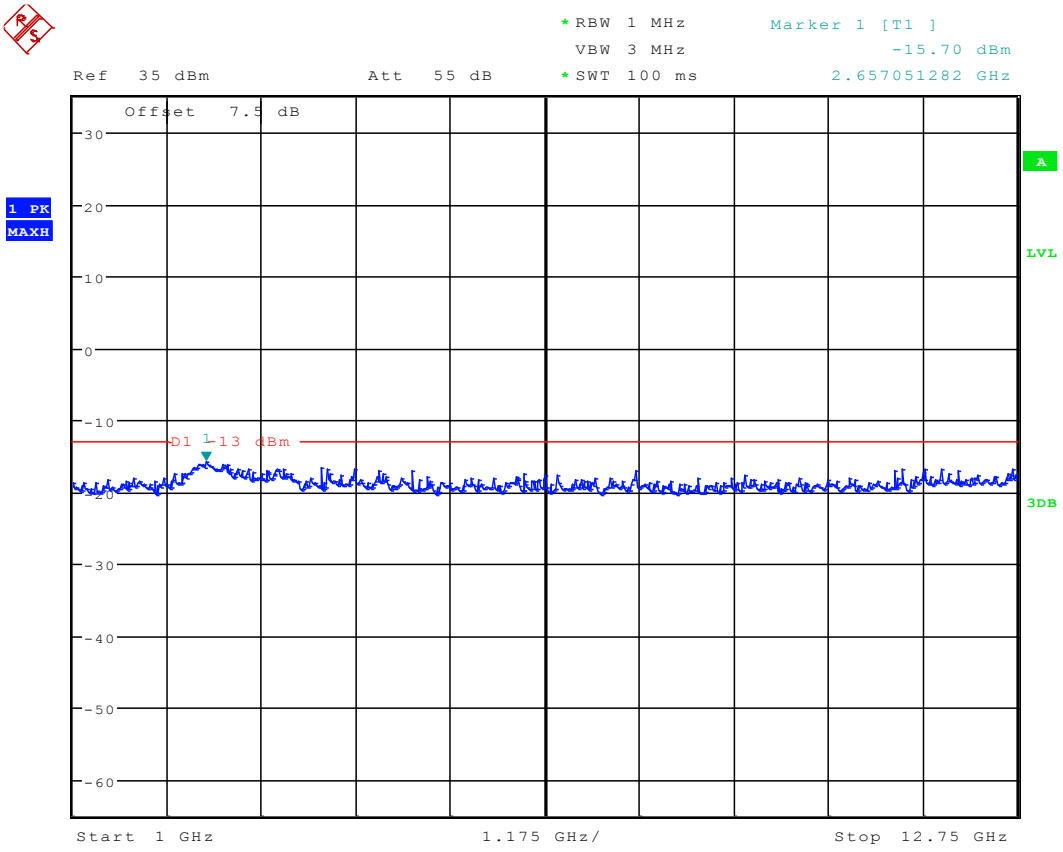

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-14.54 dBm
2.657051282 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.1.2.3 QPSK/full RBs



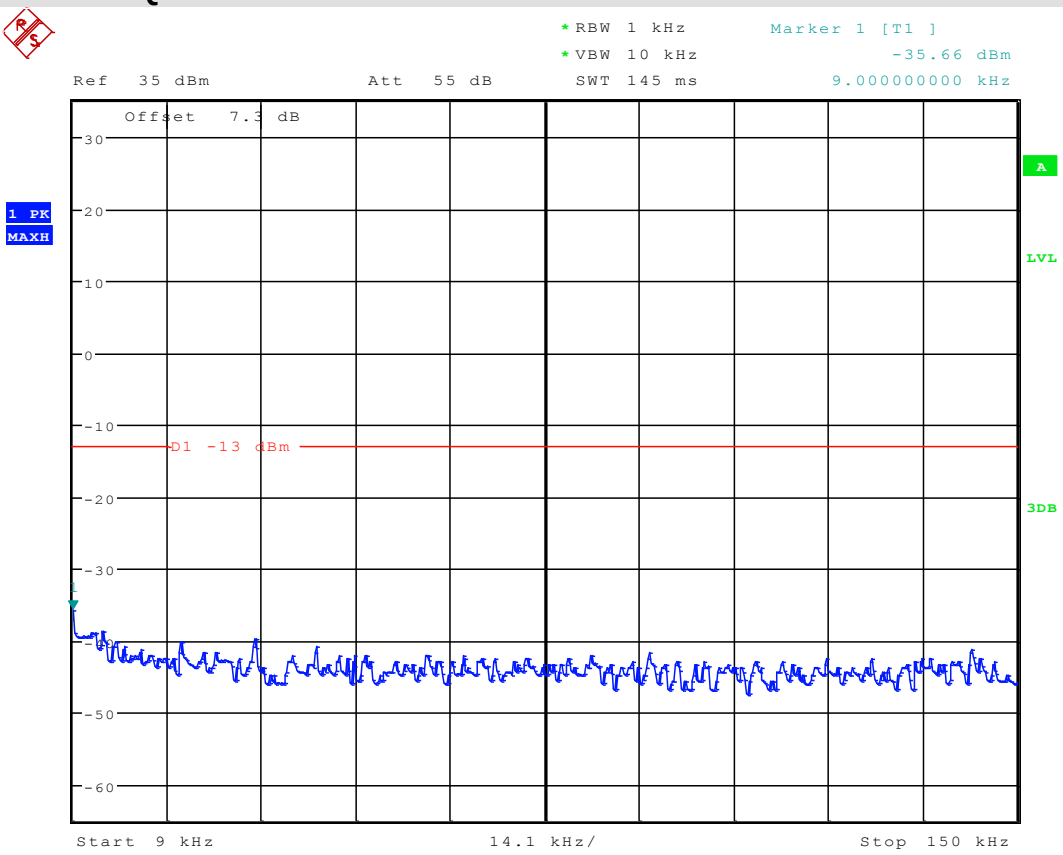

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.87 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

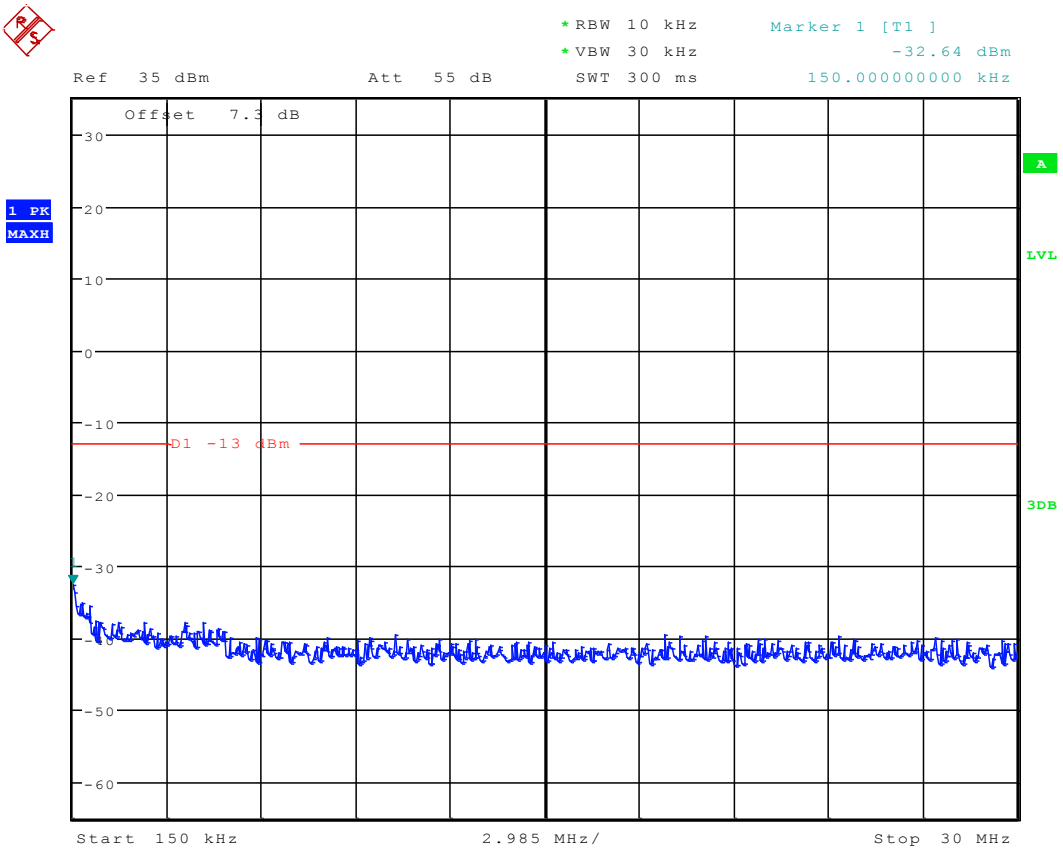

* RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
14.51 dBm
712.419871795 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

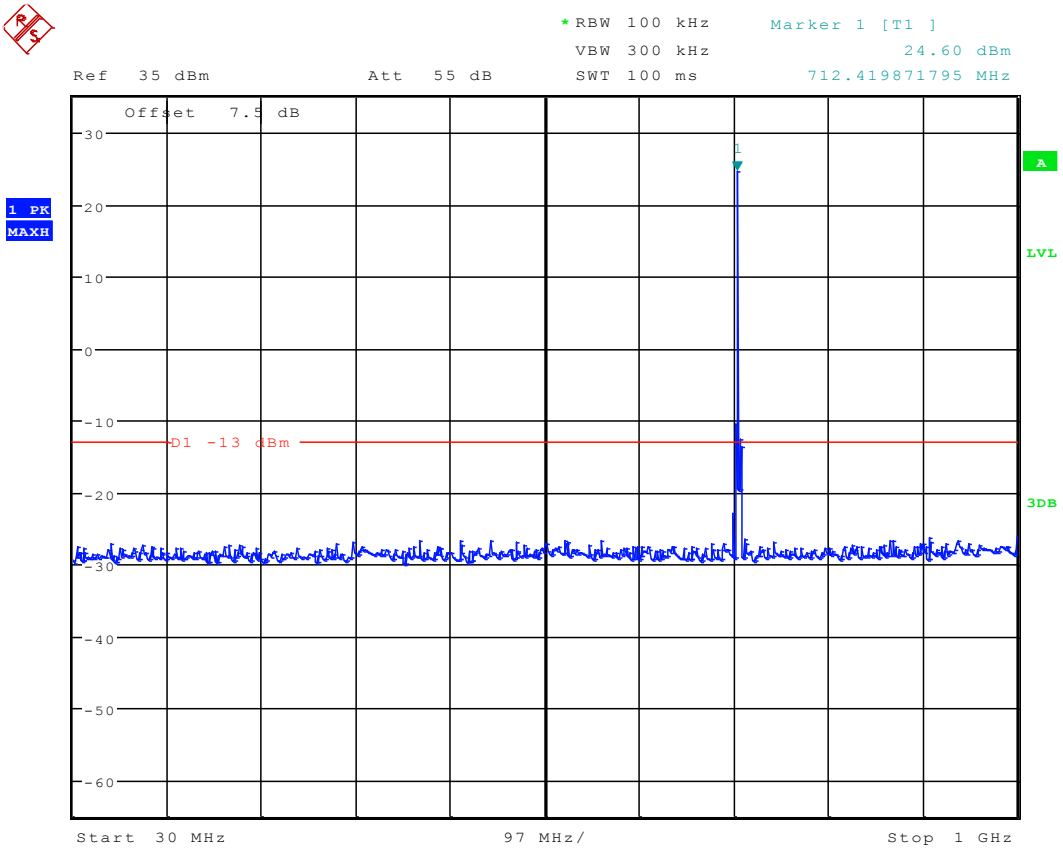

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.70 dBm
2.657051282 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

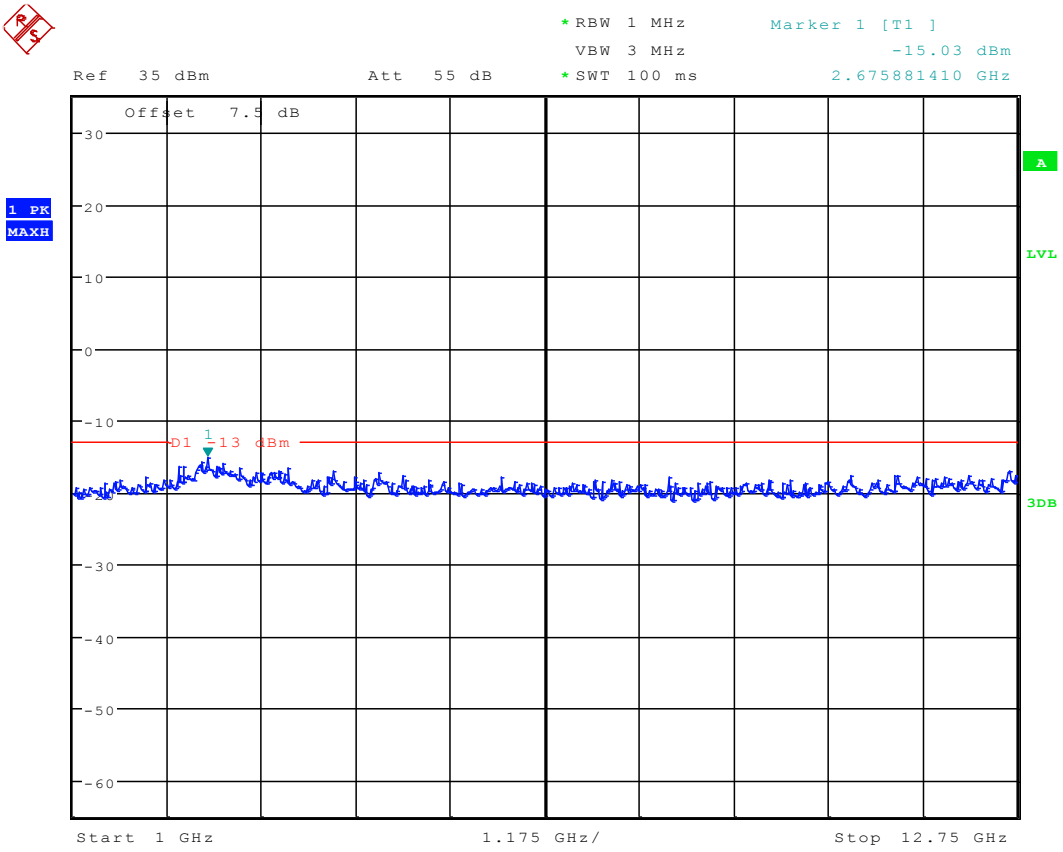
2.1.1.3 Channel = T

2.1.1.3.1 QPSK/1RBs /RB #0

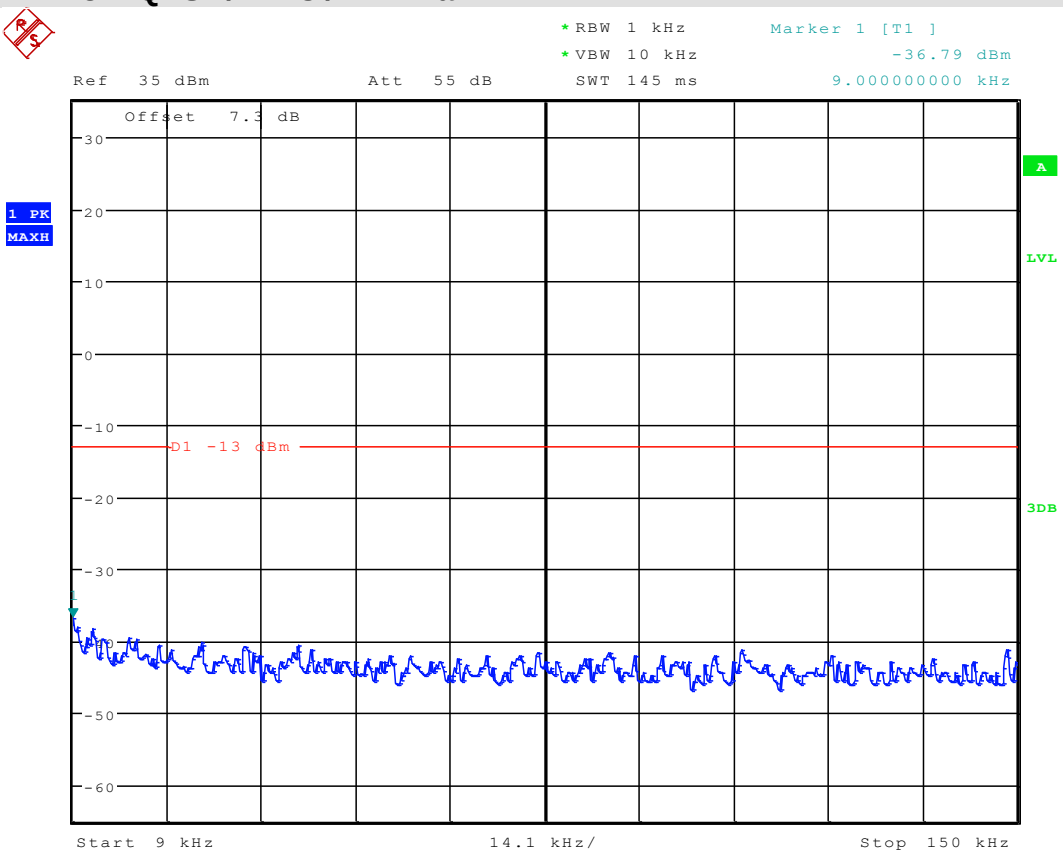


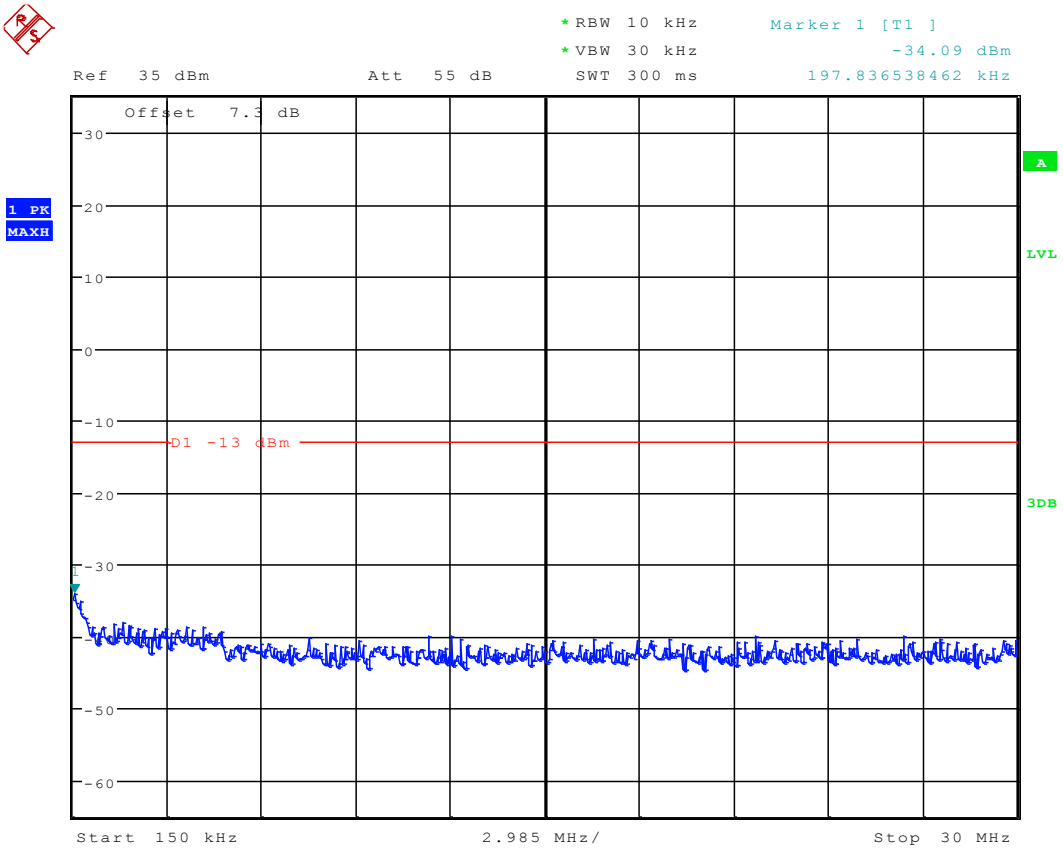

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.64 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

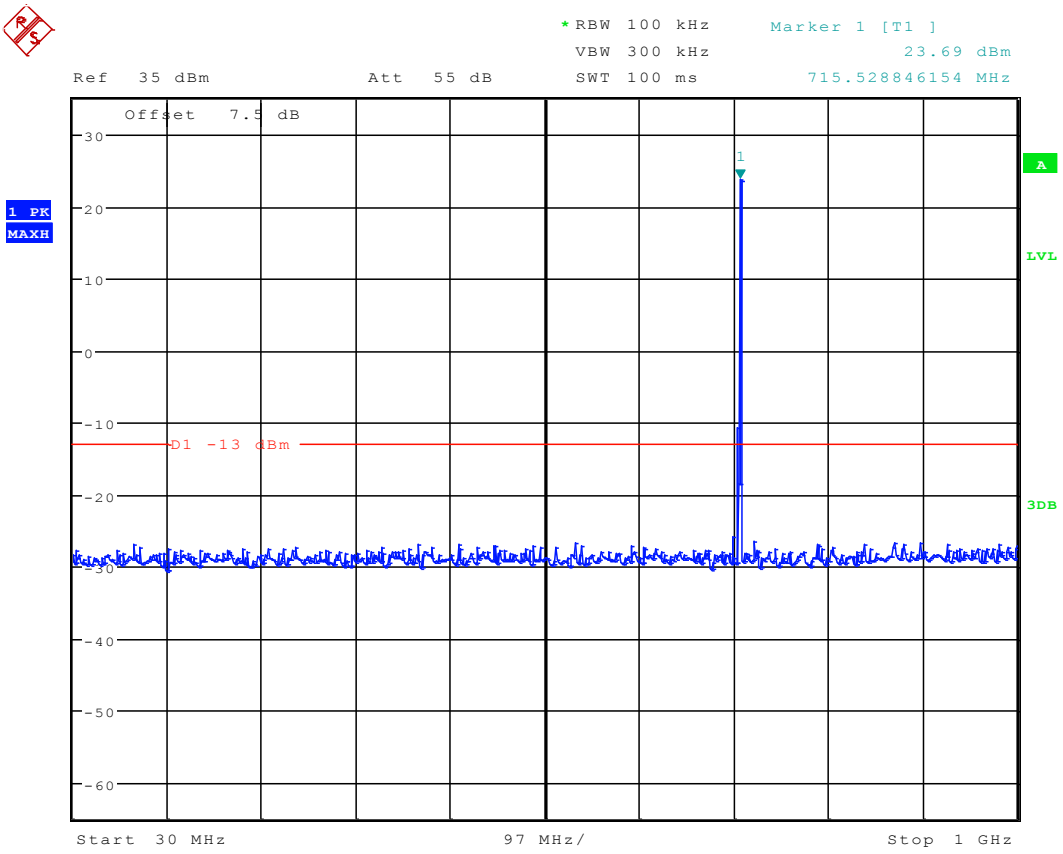

*RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
24.60 dBm
712.419871795 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

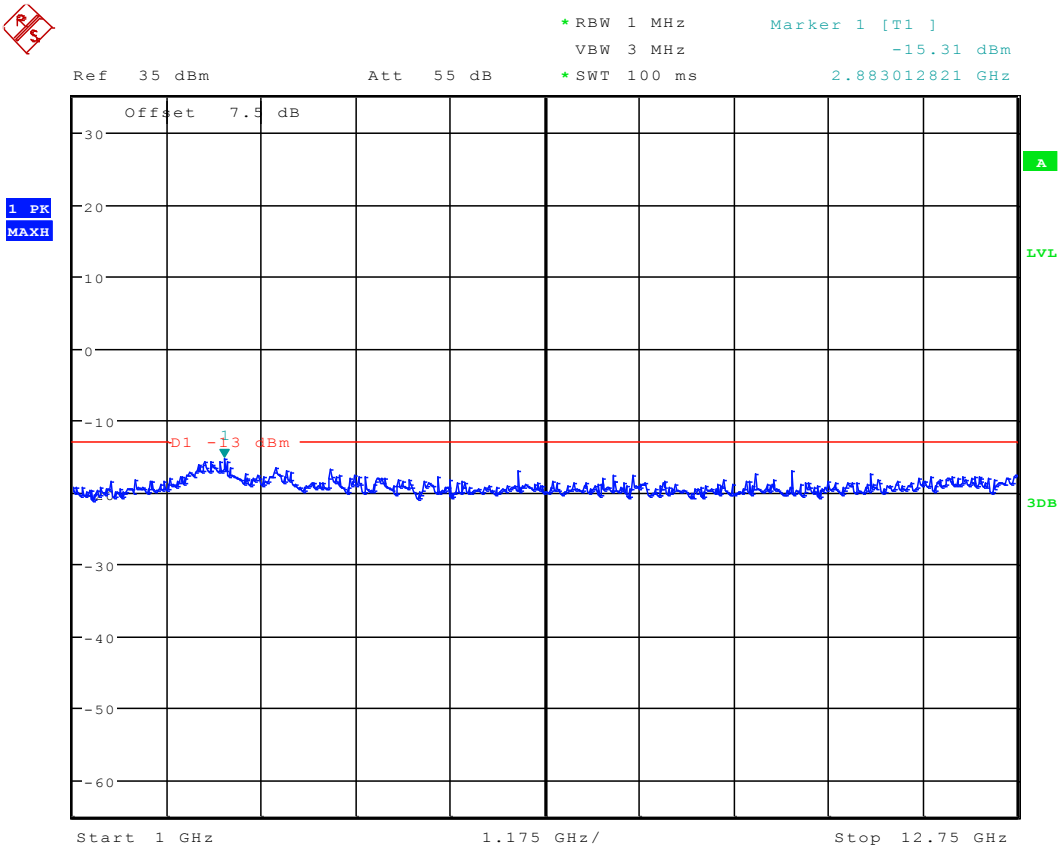

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.03 dBm
2.675881410 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 13 dBm
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.1.3.2 QPSK/1RBs /RB #max

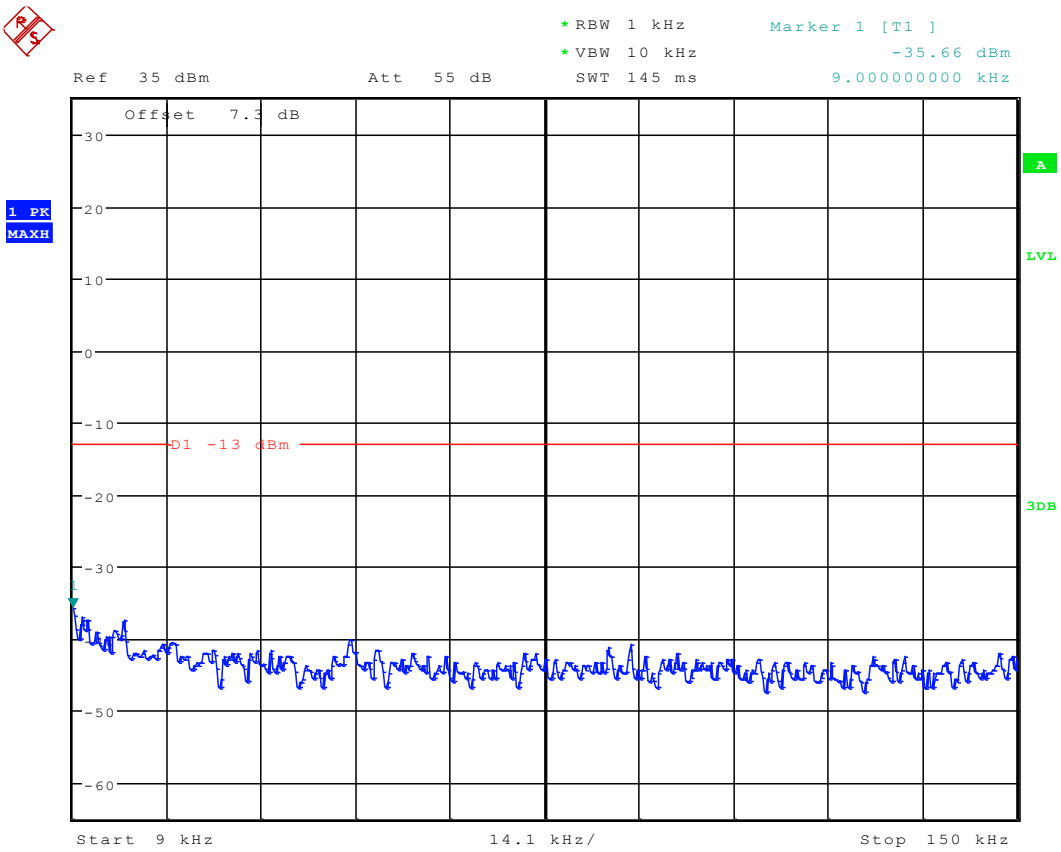


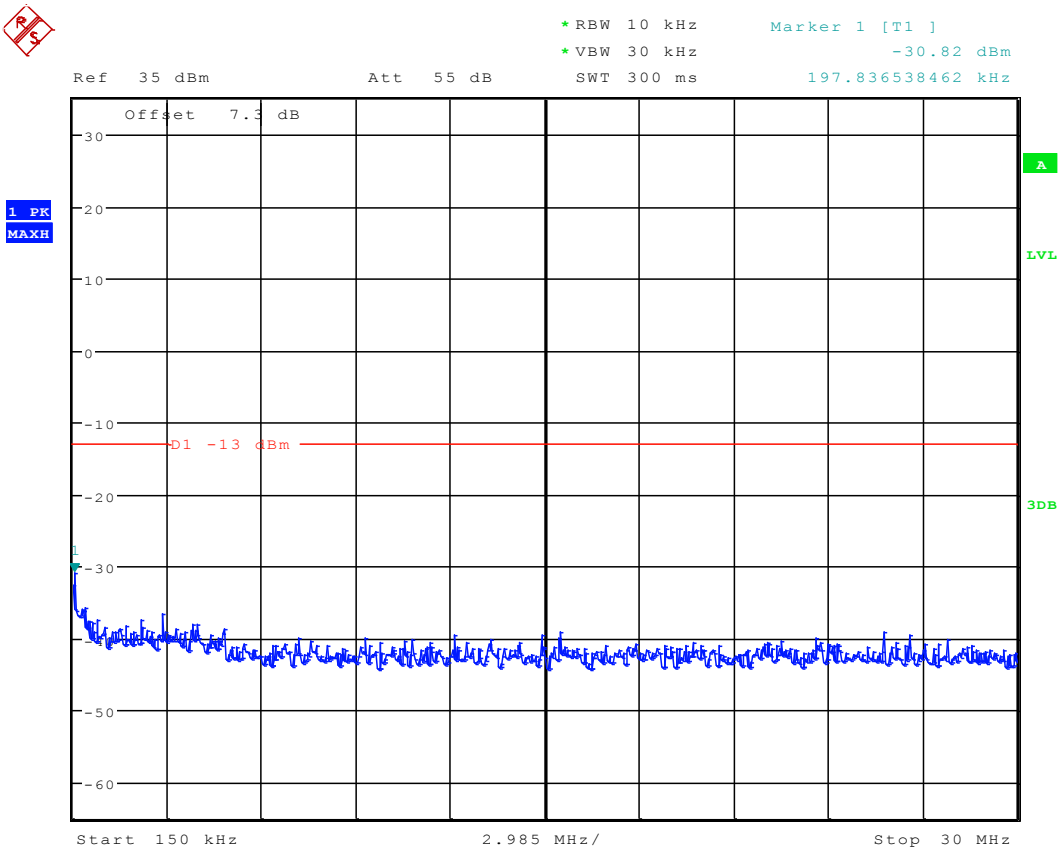

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-34.09 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

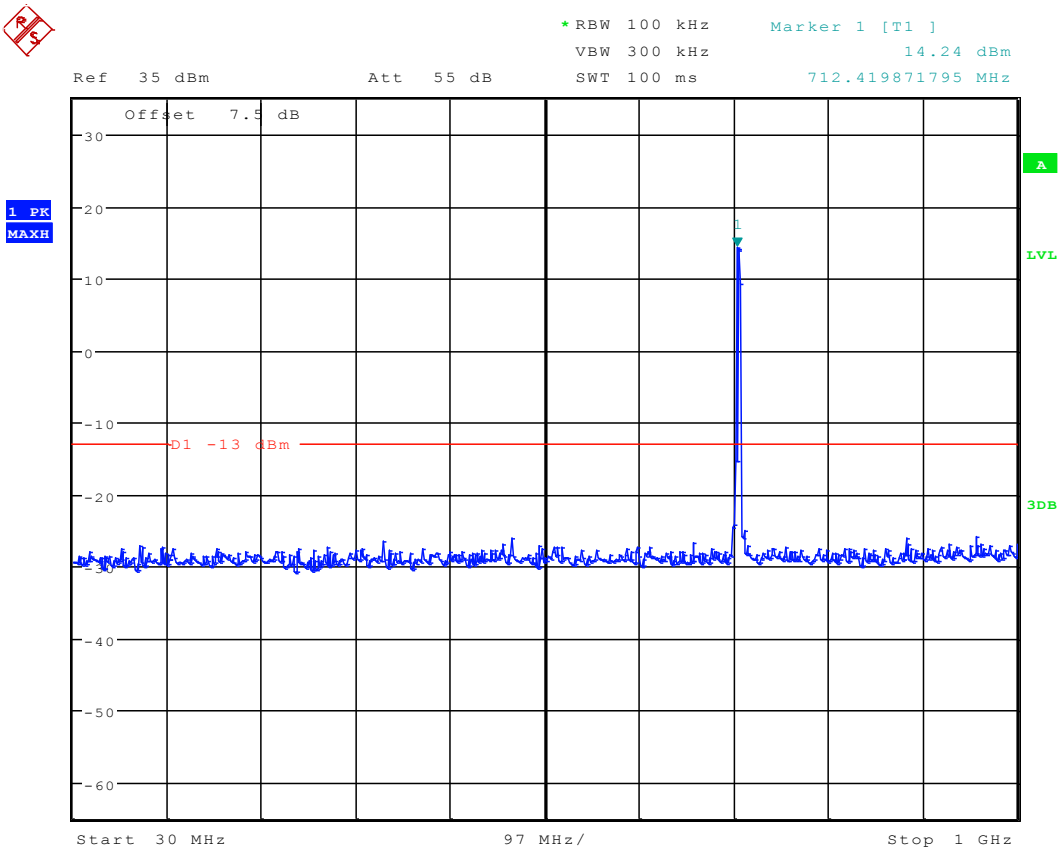

* RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
23.69 dBm
715.528846154 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

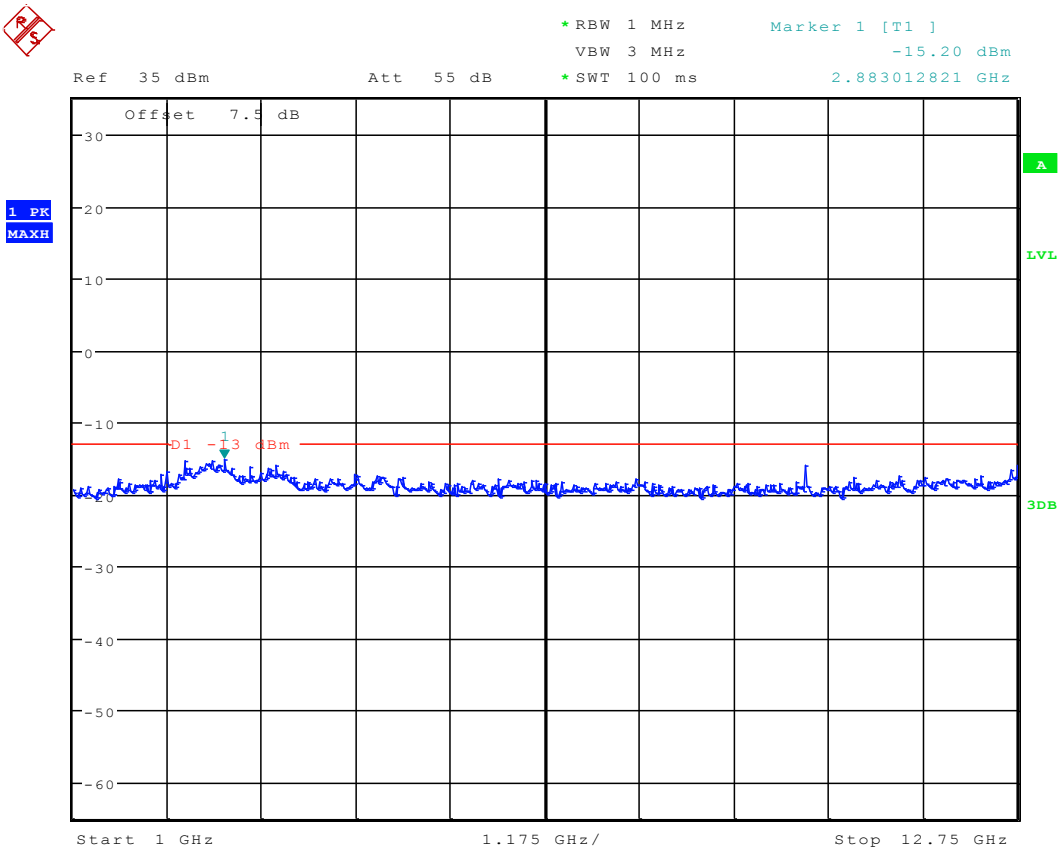

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.31 dBm
2.883012821 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.1.3.3 QPSK/full RBs




*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-30.82 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz

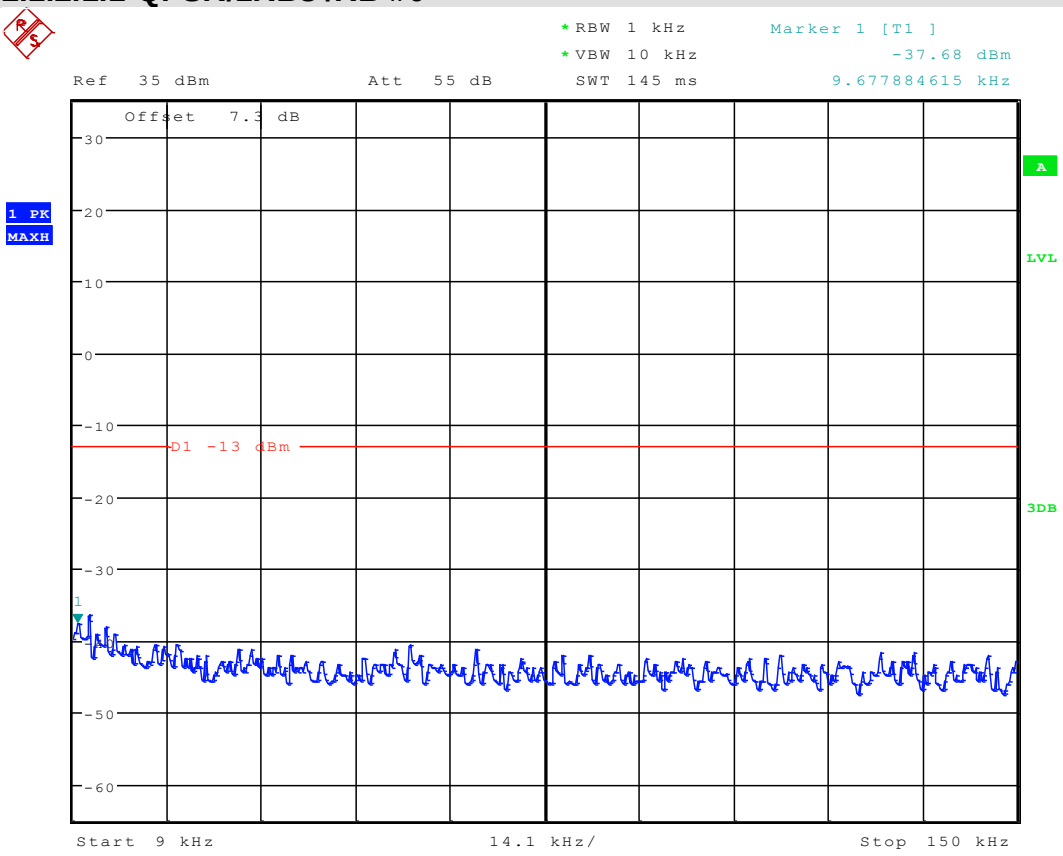

* RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
14.24 dBm
712.419871795 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

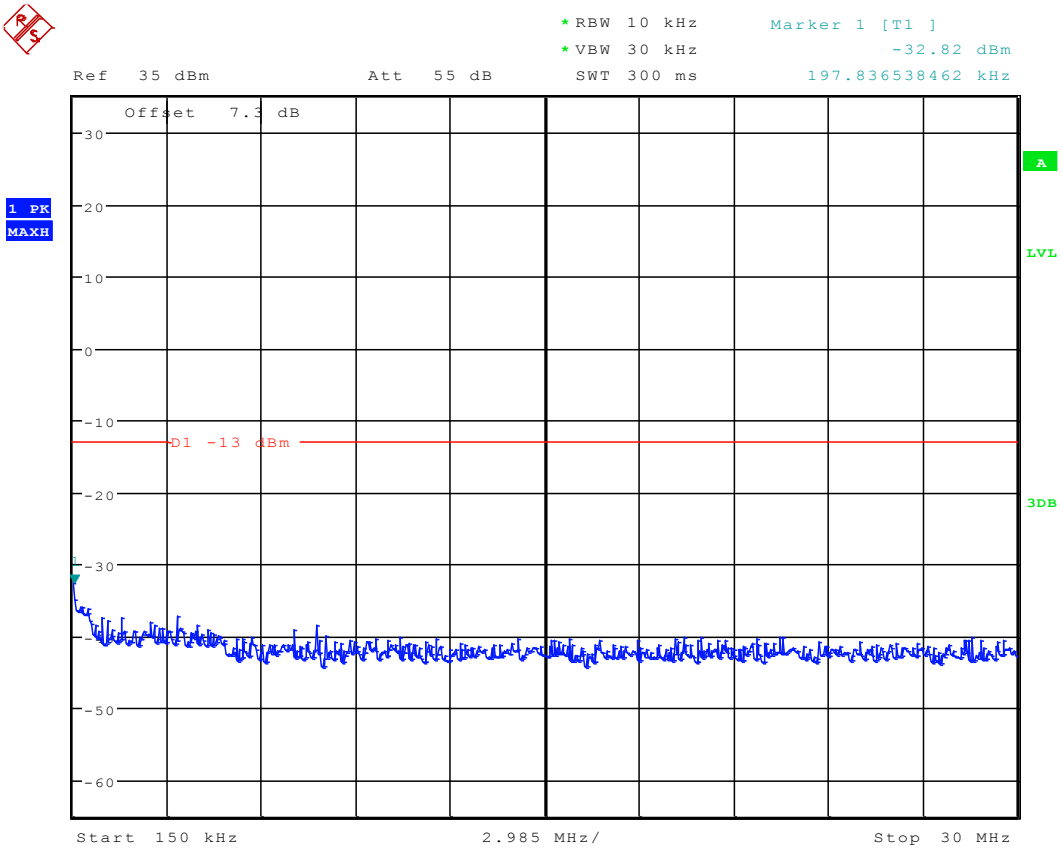

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.20 dBm
2.883012821 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

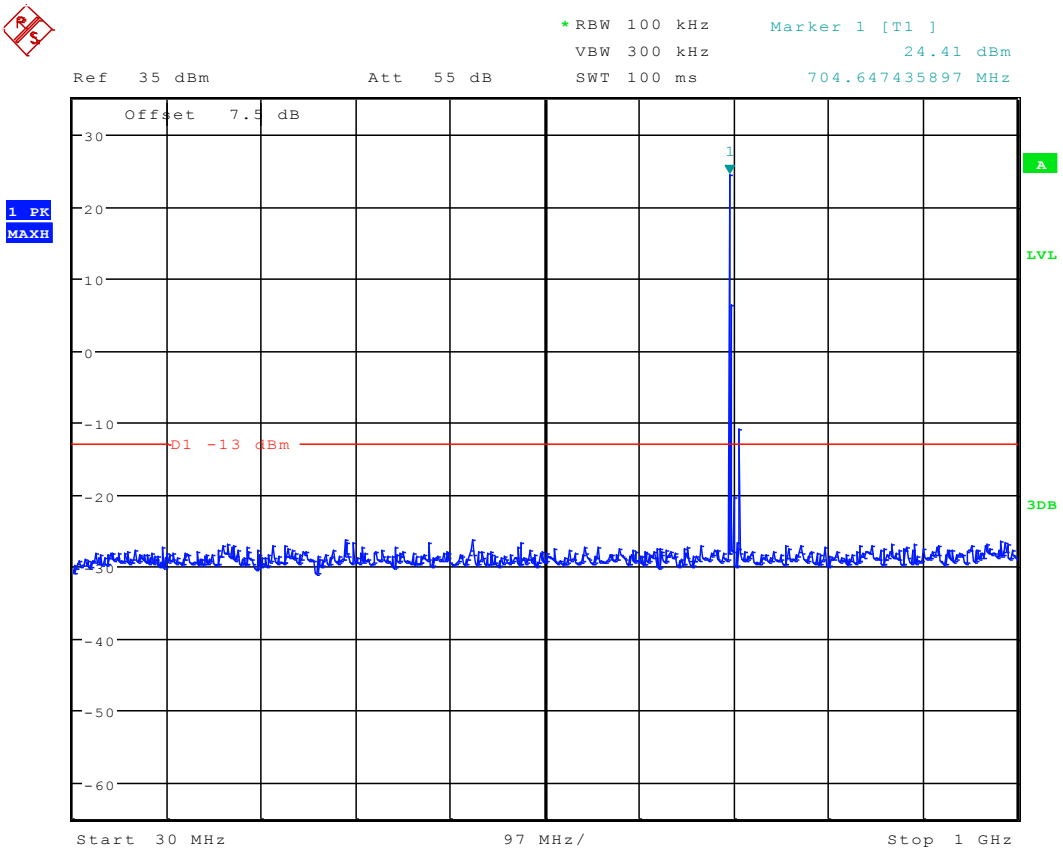
2.1.2 Channel Bandwidth = Highest (10 MHz)

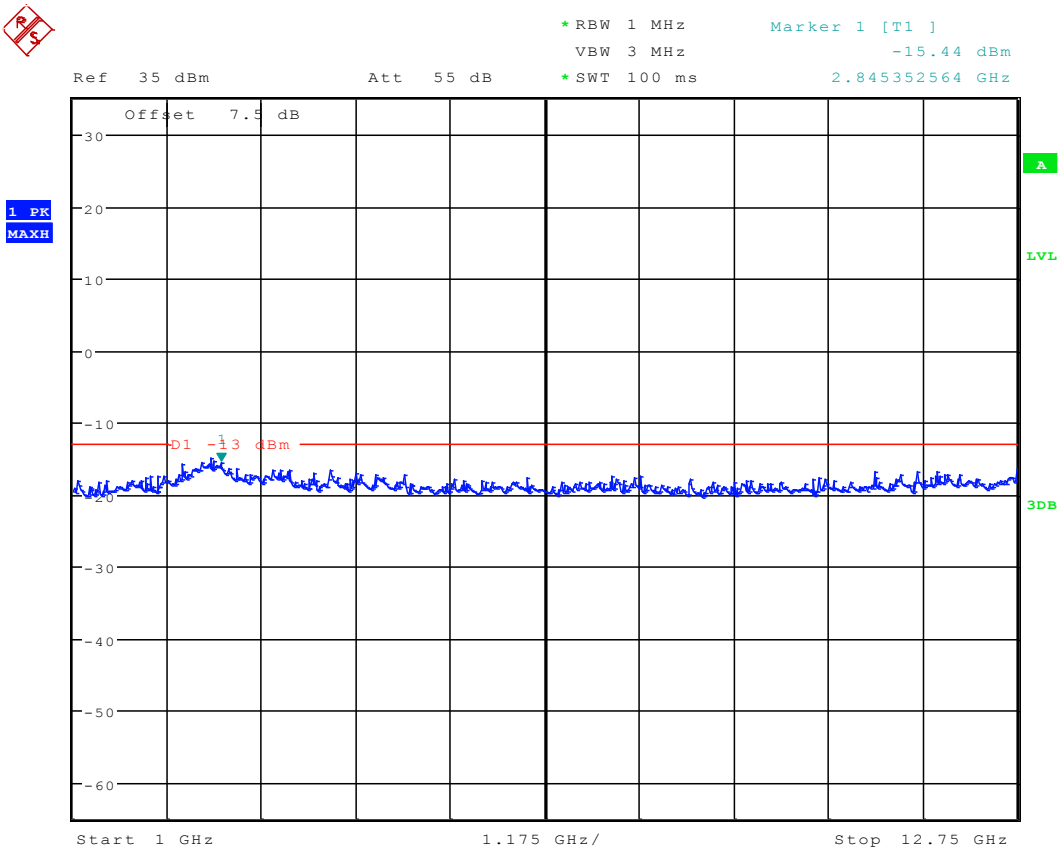
2.1.2.1 Channel = B

2.1.2.1.1 QPSK/1RBs /RB #0

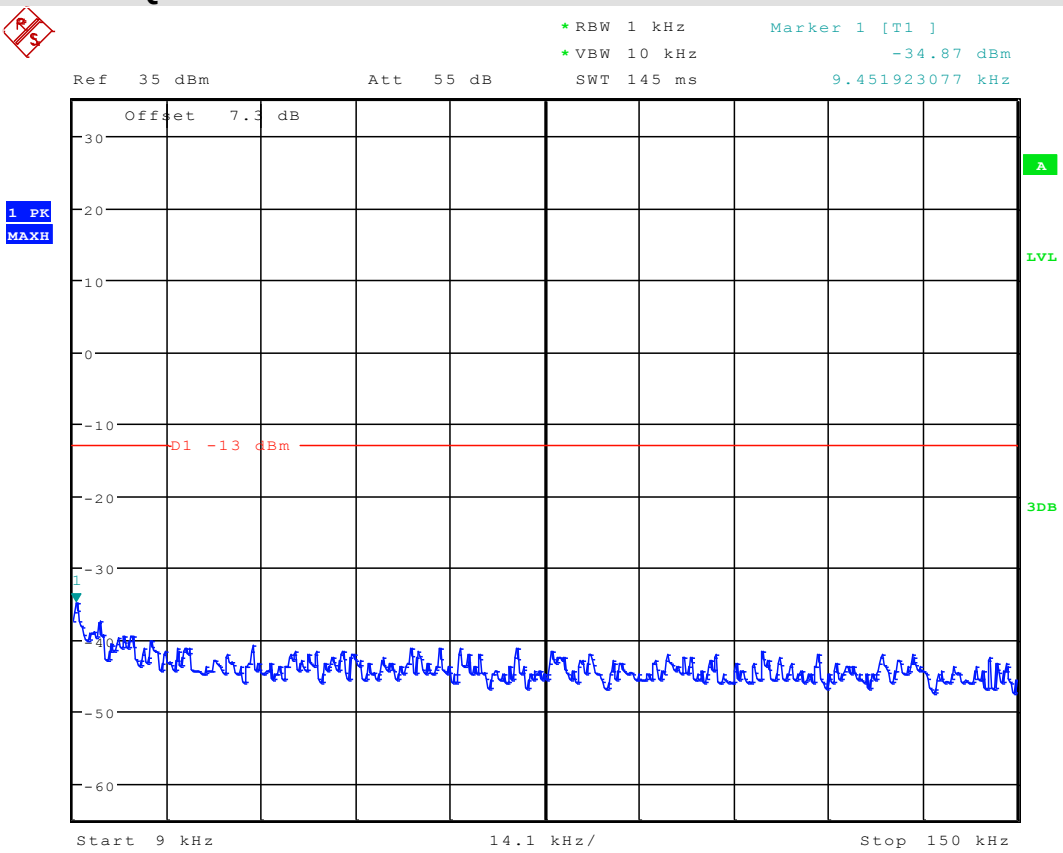


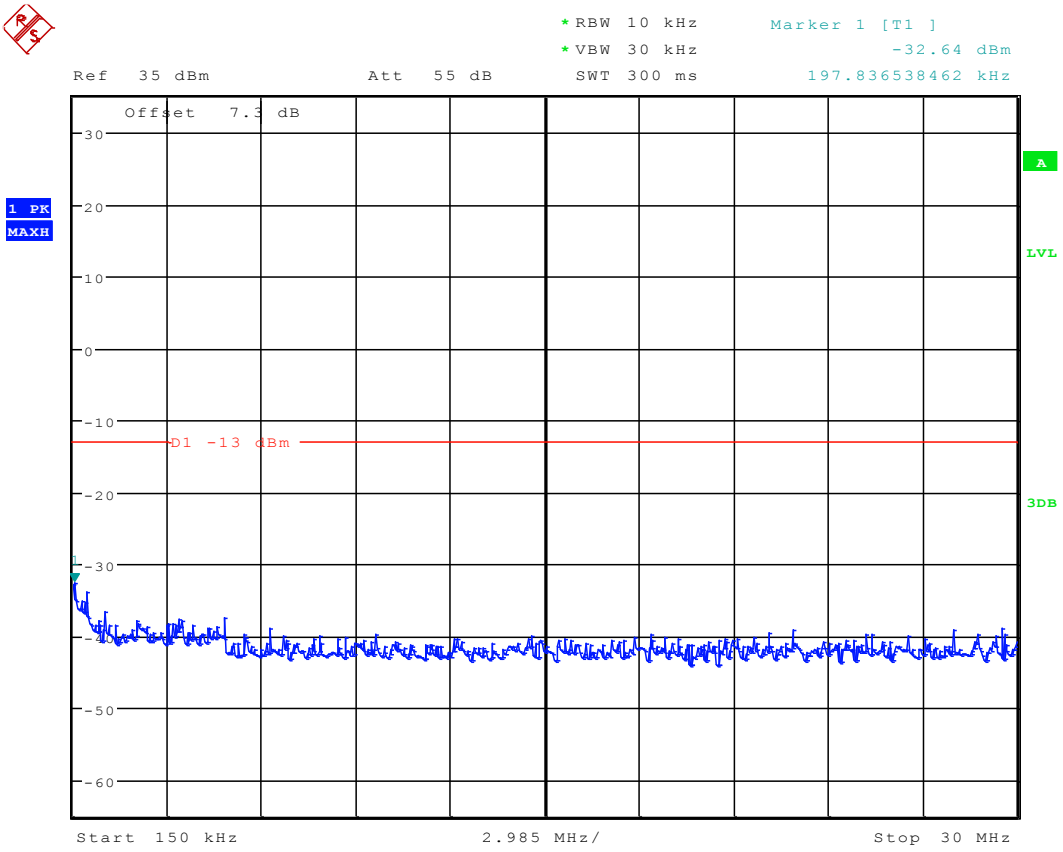

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.82 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

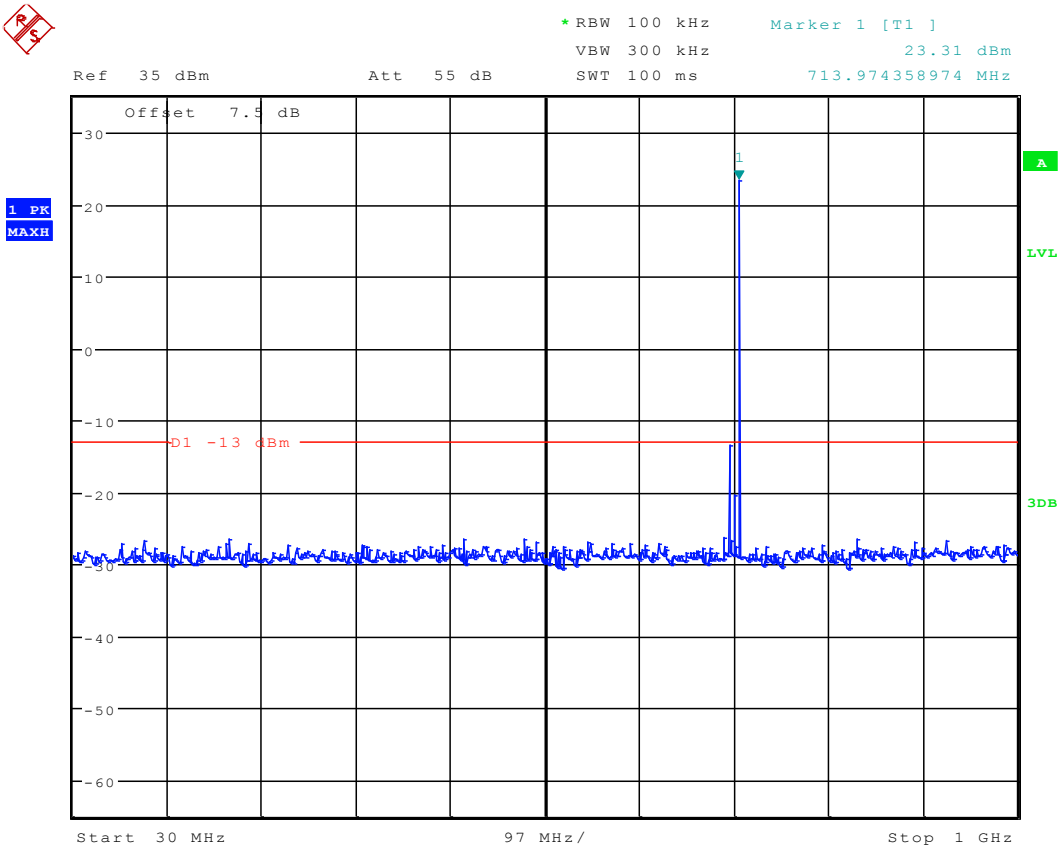

* RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
24.41 dBm
704.647435897 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

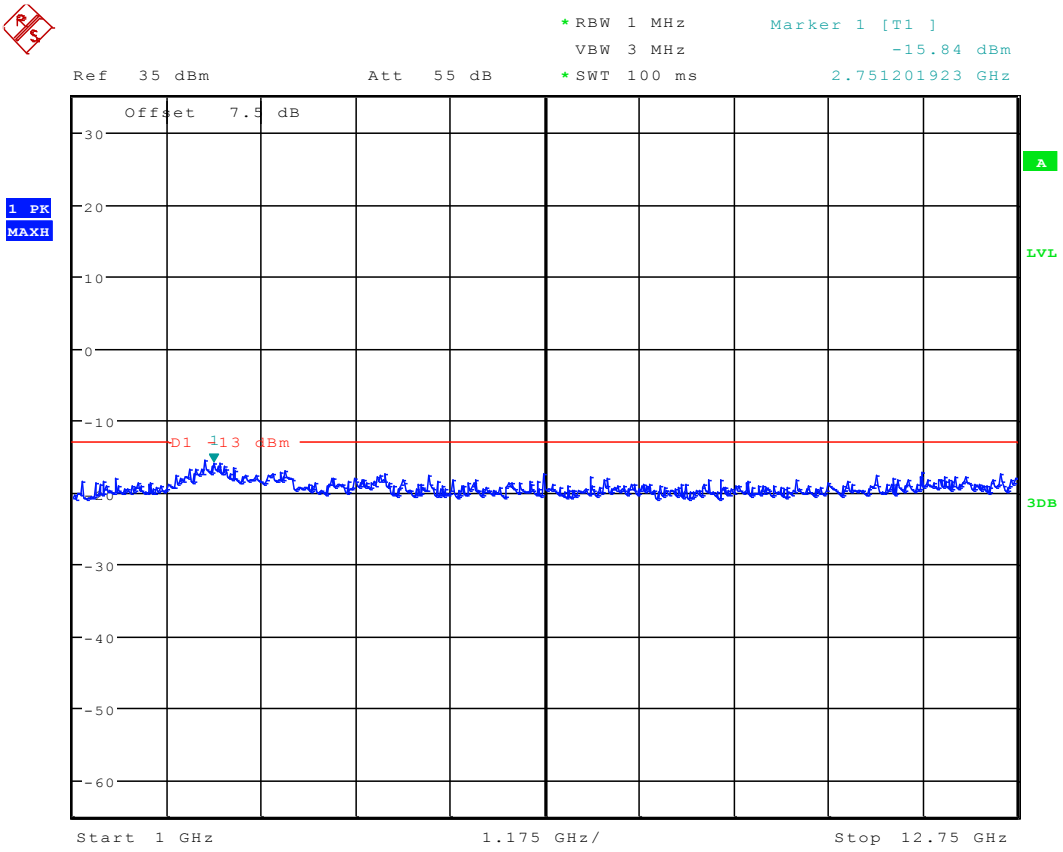

RBW 1 MHz
VBW 3 MHz
SWT 100 ms
Marker 1 [T1]
-15.44 dBm
2.845352564 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.2.1.2 QPSK/1RBs /RB #max

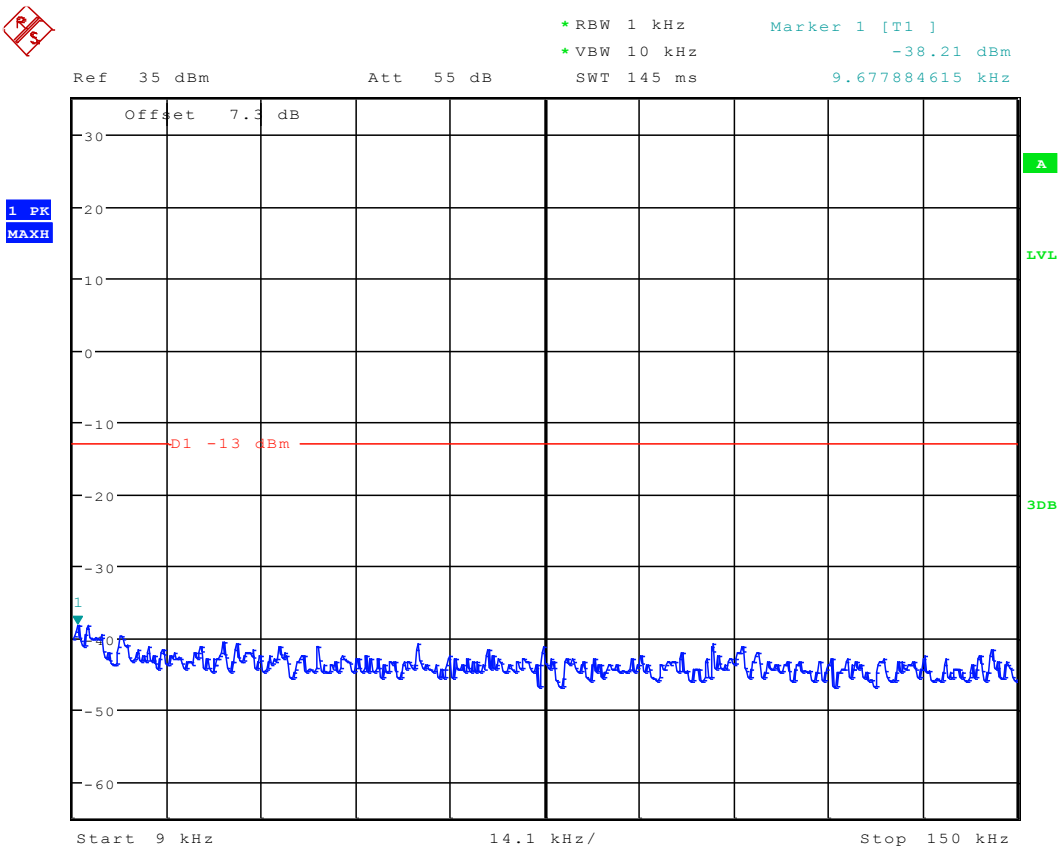


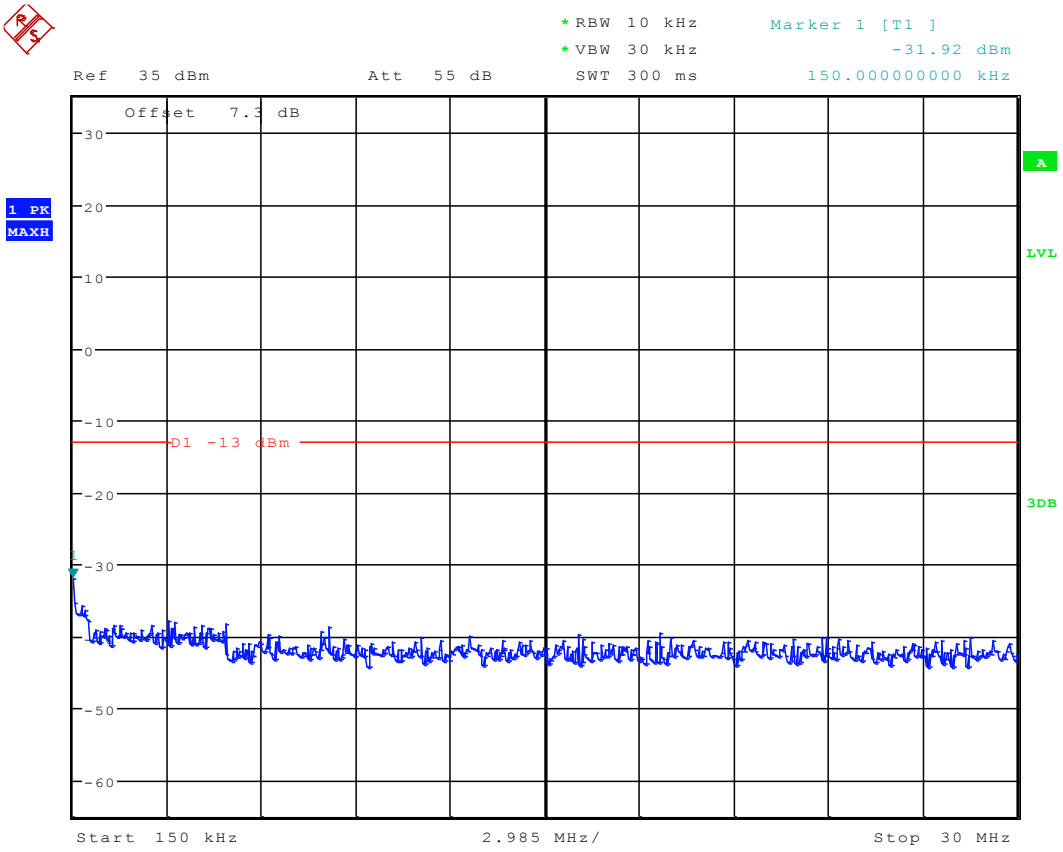

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-32.64 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

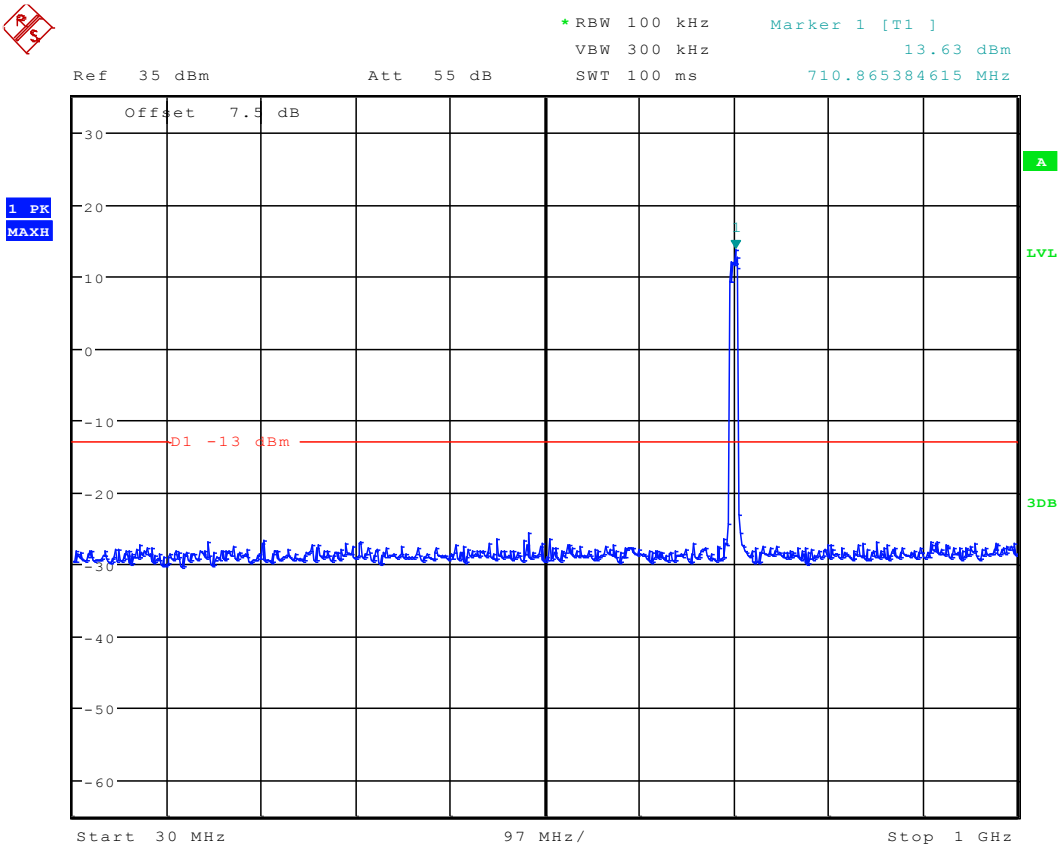

* RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
23.31 dBm
713.974358974 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

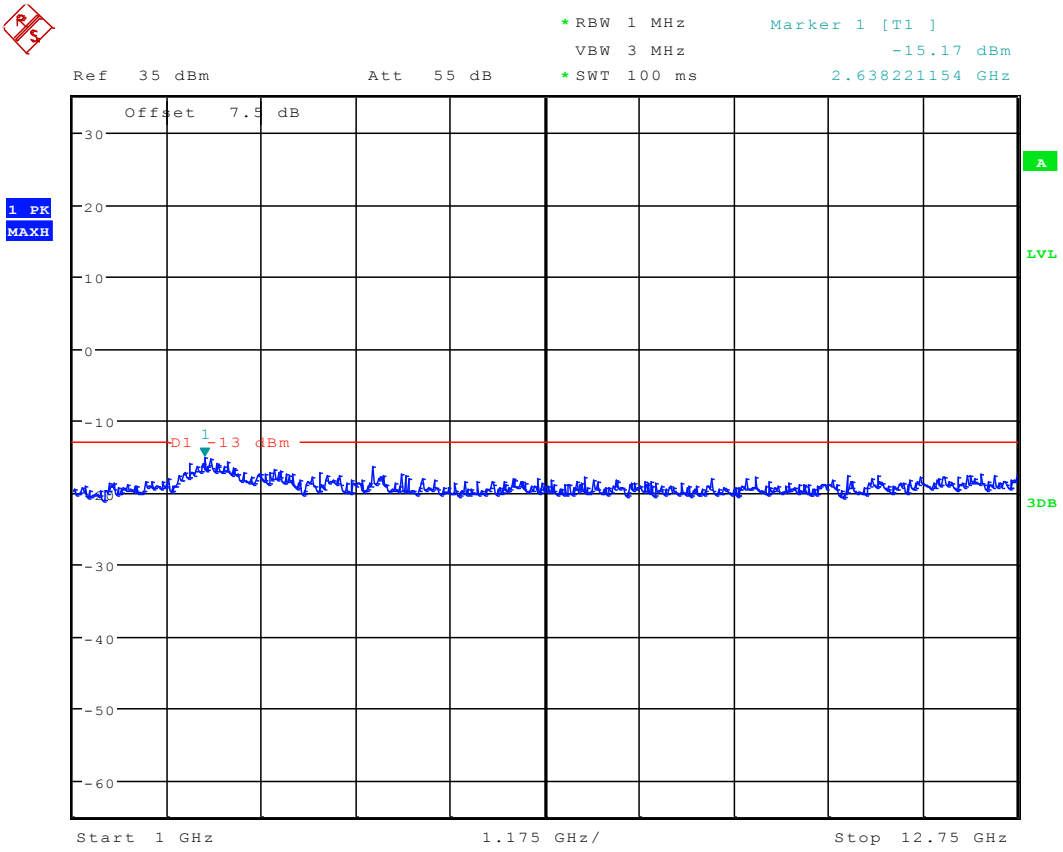

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.84 dBm
2.751201923 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.2.1.3 QPSK/full RBs



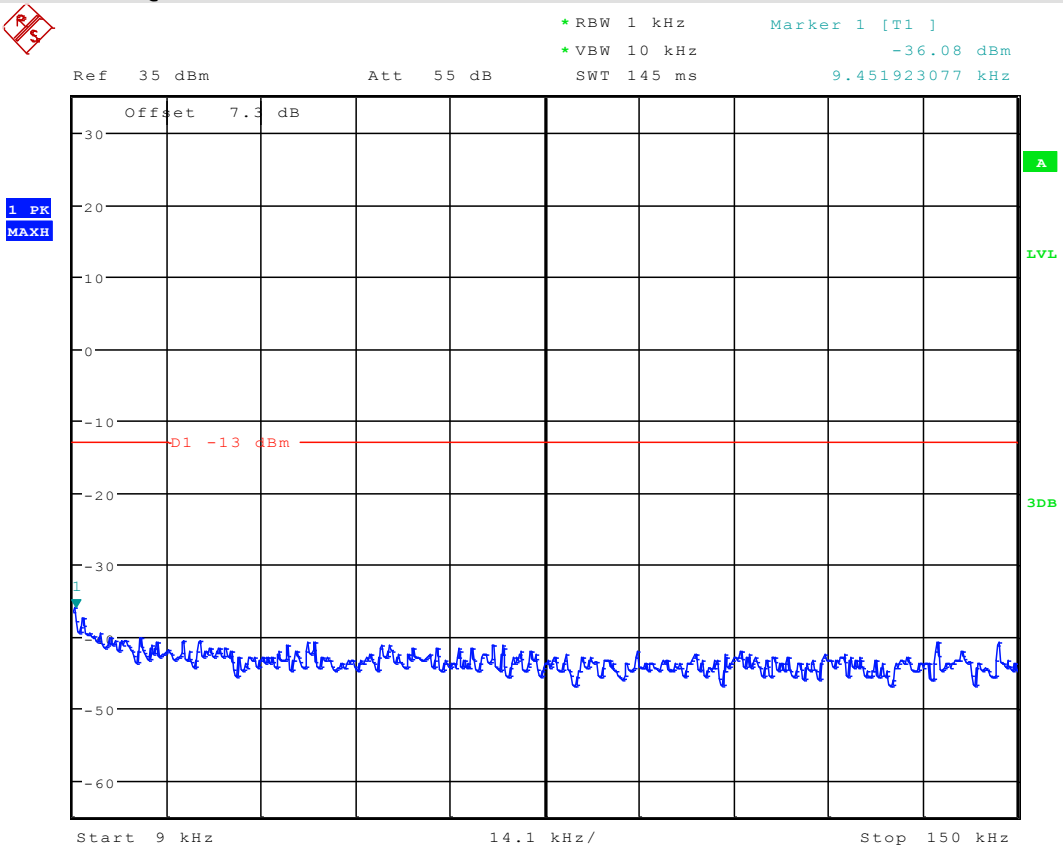

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.92 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

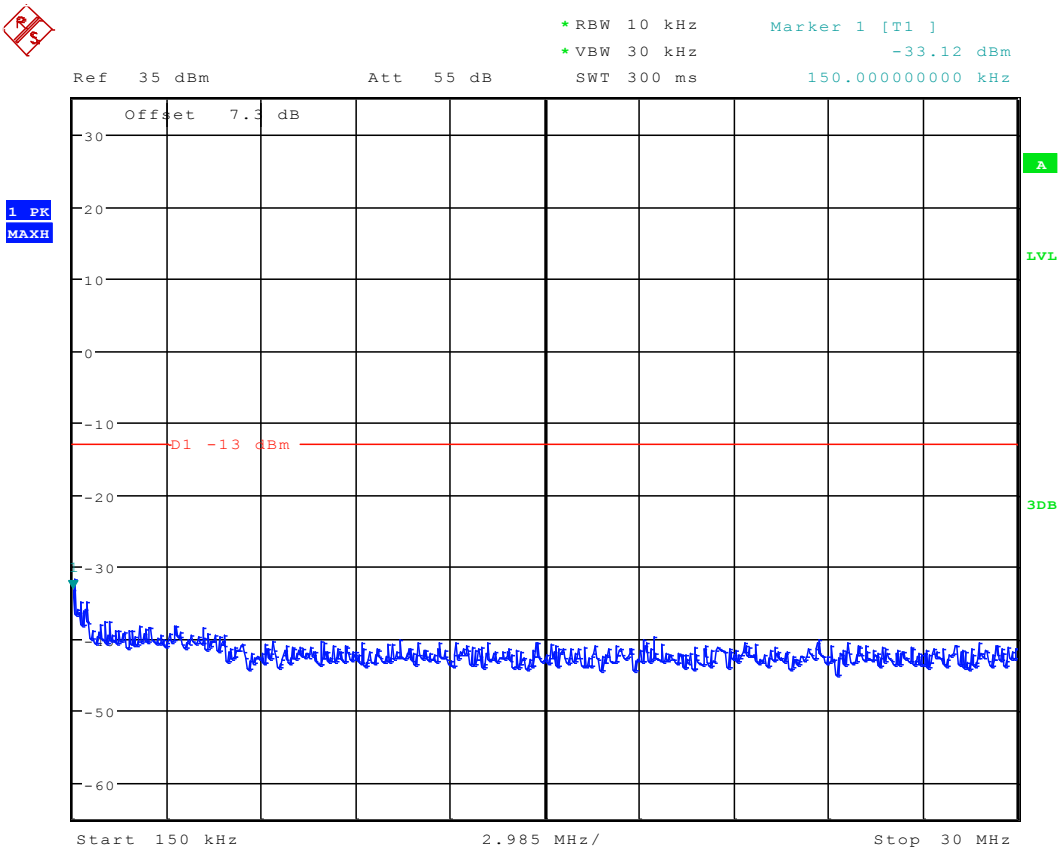

*RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
13.63 dBm
710.865384615 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

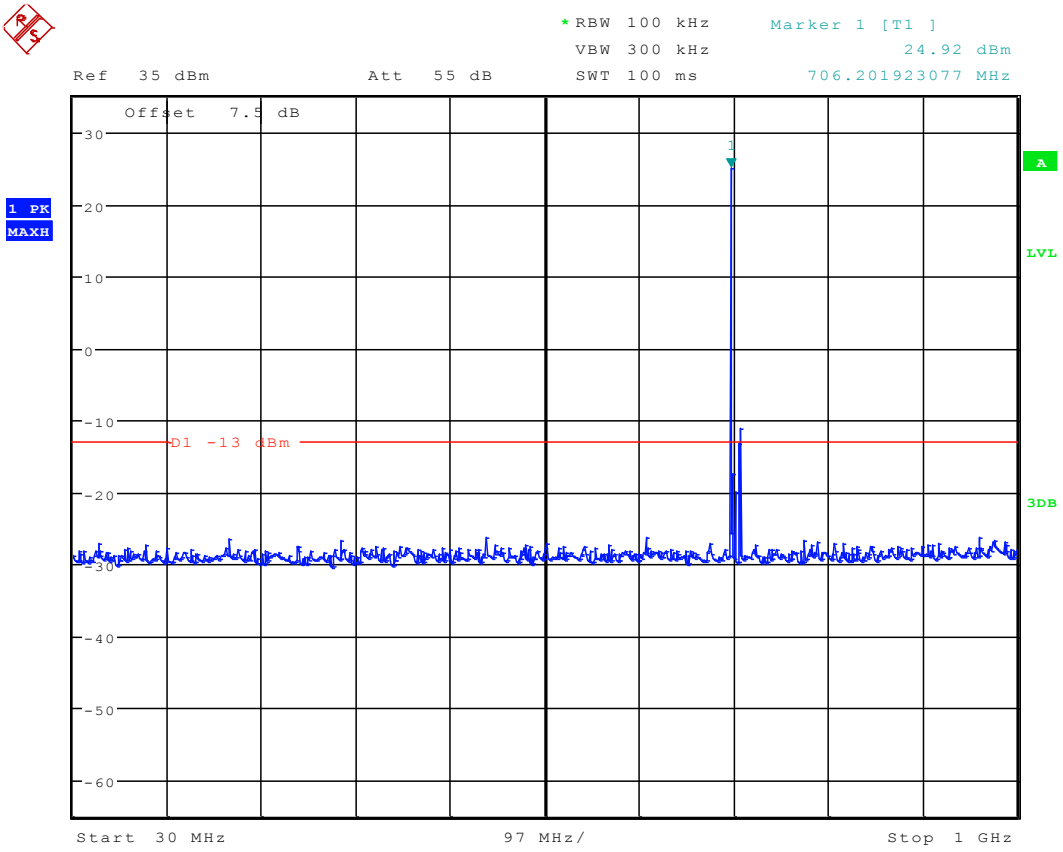

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.17 dBm
2.638221154 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

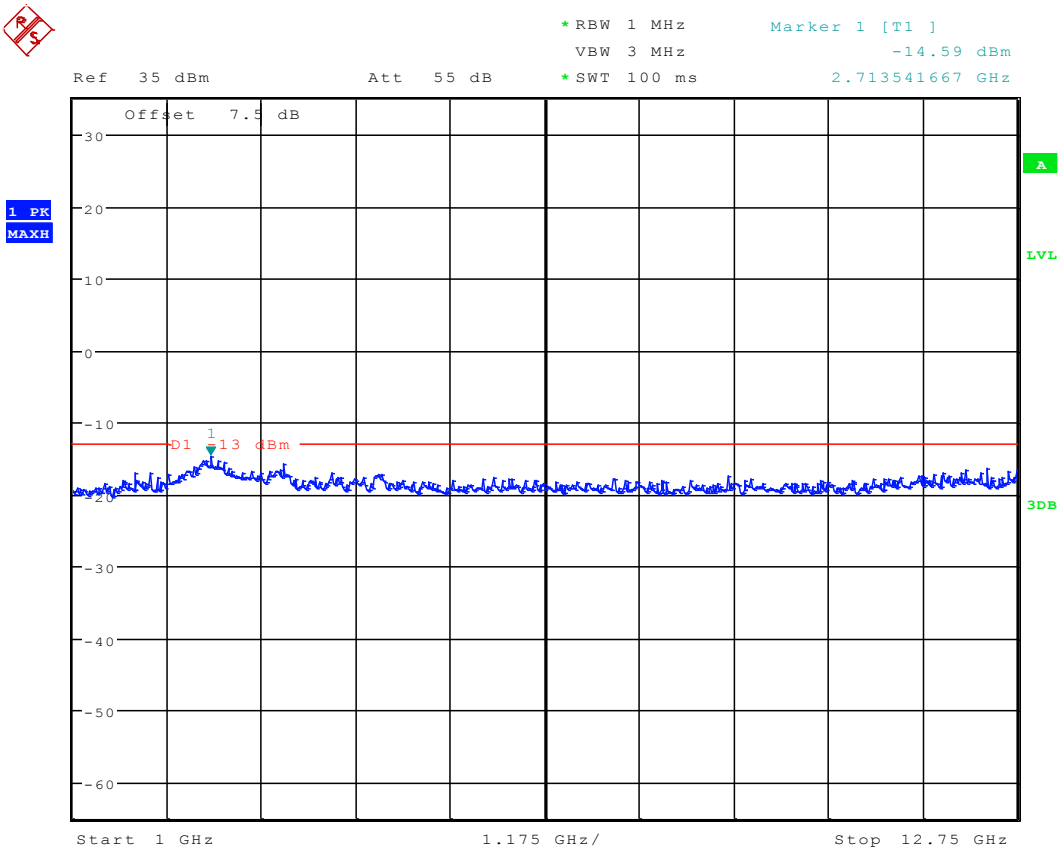
2.1.2.2 Channel = M

2.1.2.2.1 QPSK/1RBs /RB #0

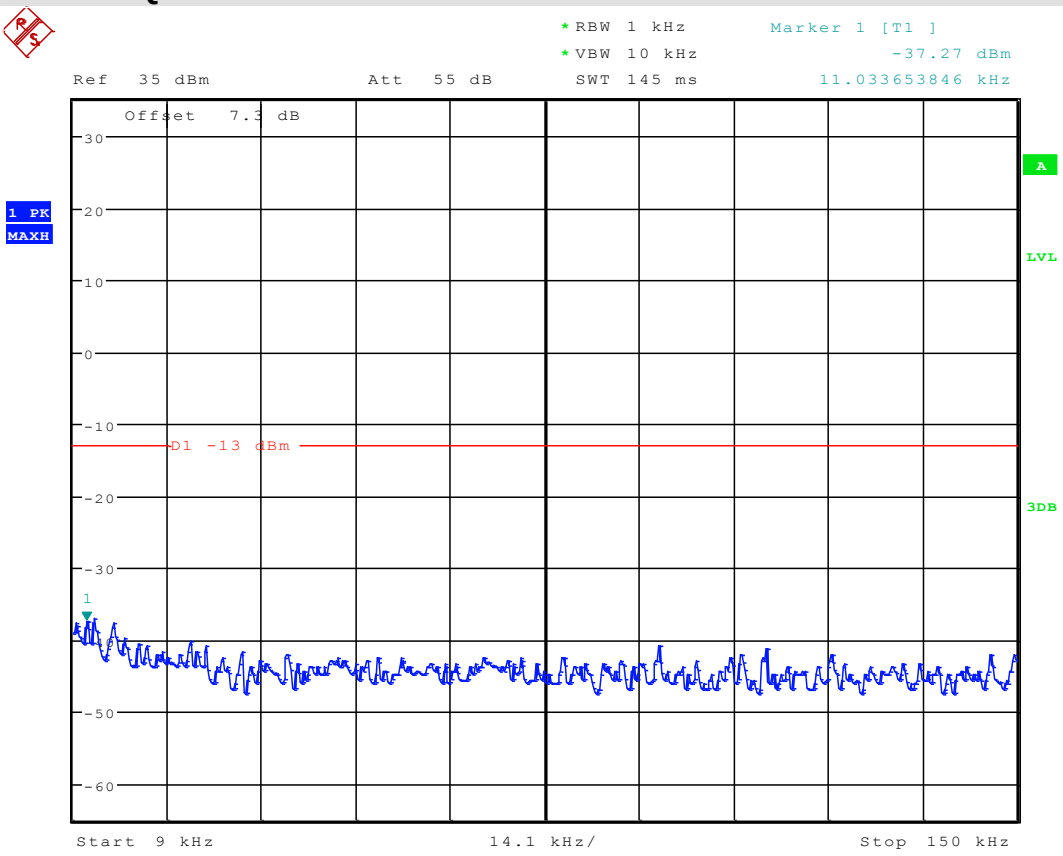


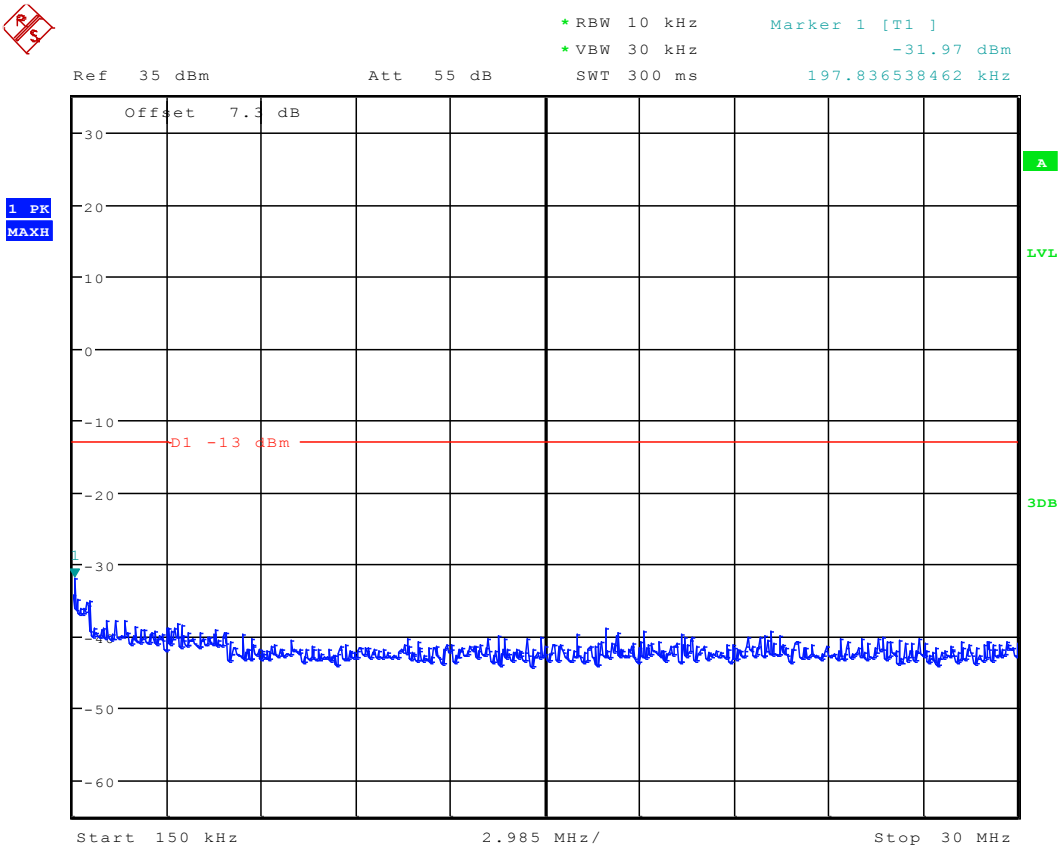

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.12 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

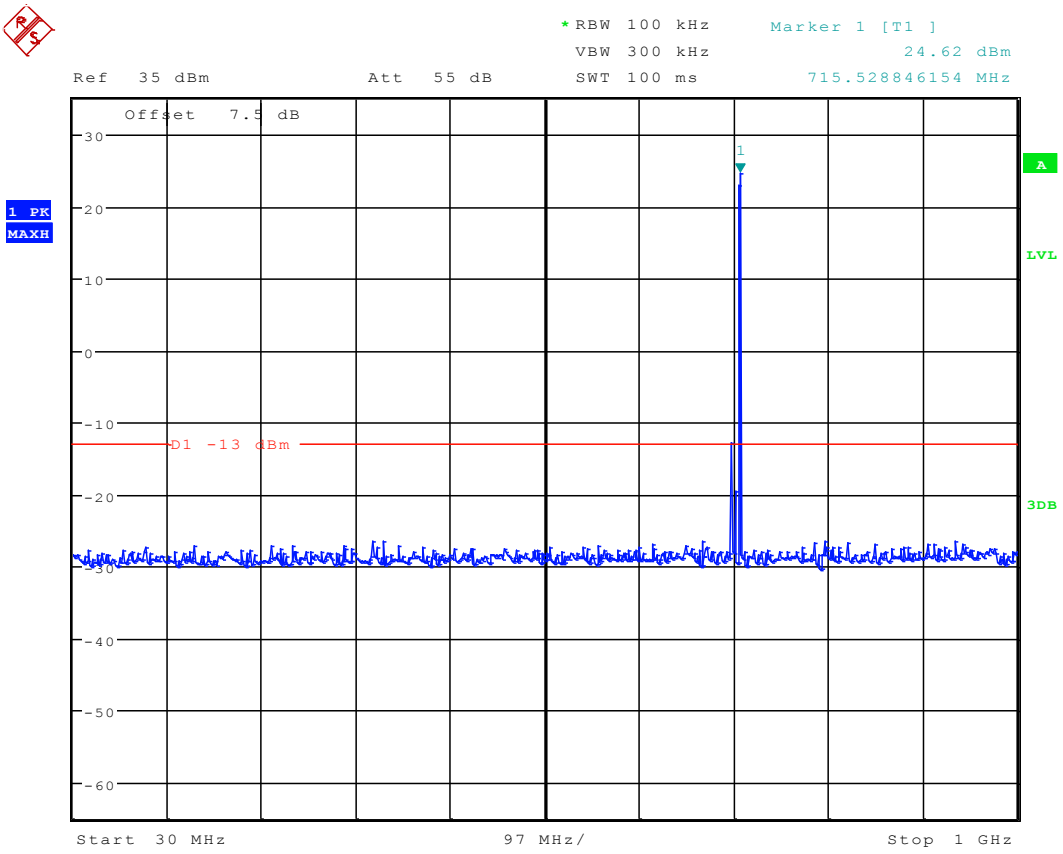

*RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
24.92 dBm
706.201923077 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

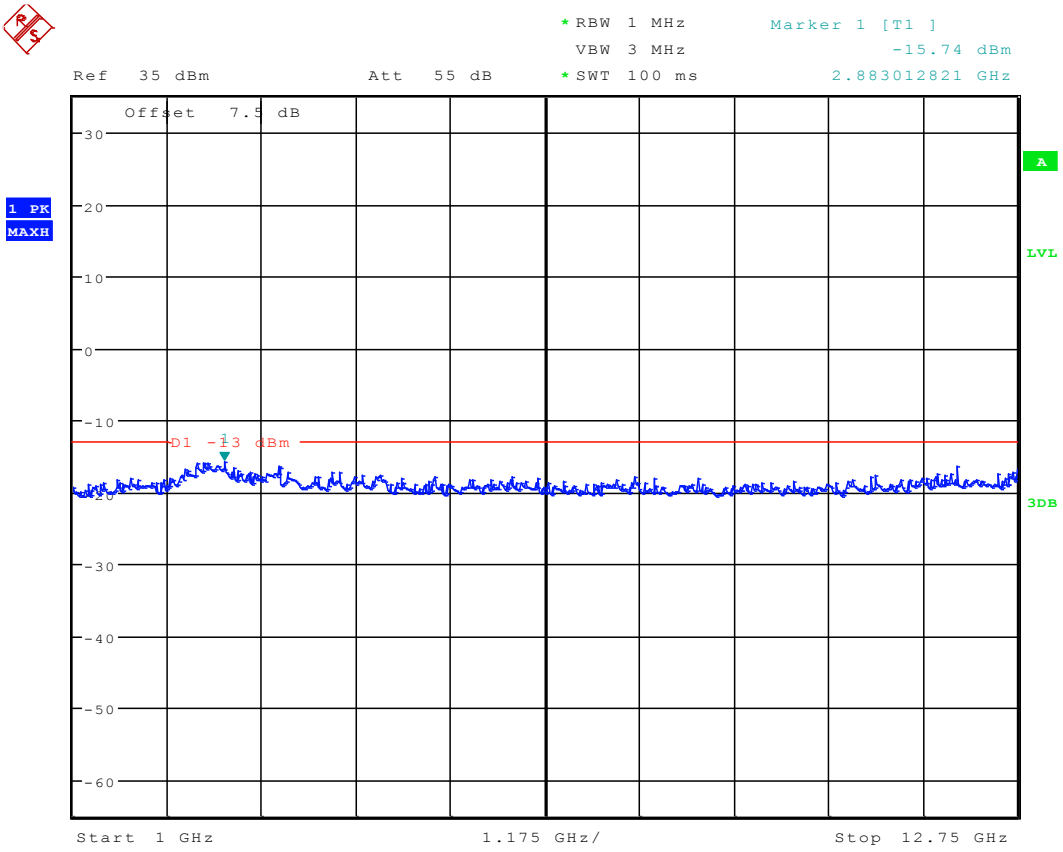

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-14.59 dBm
2.713541667 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 13 dBm
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.2.2.2 QPSK/1RBs /RB #max

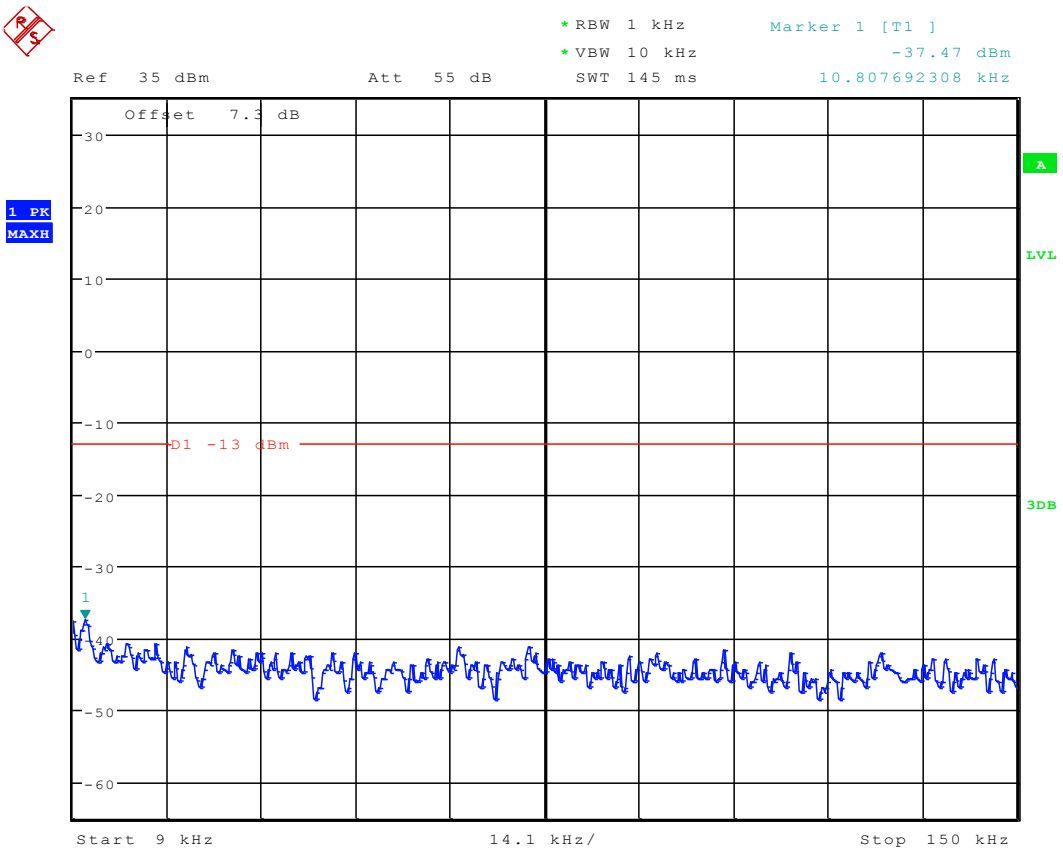


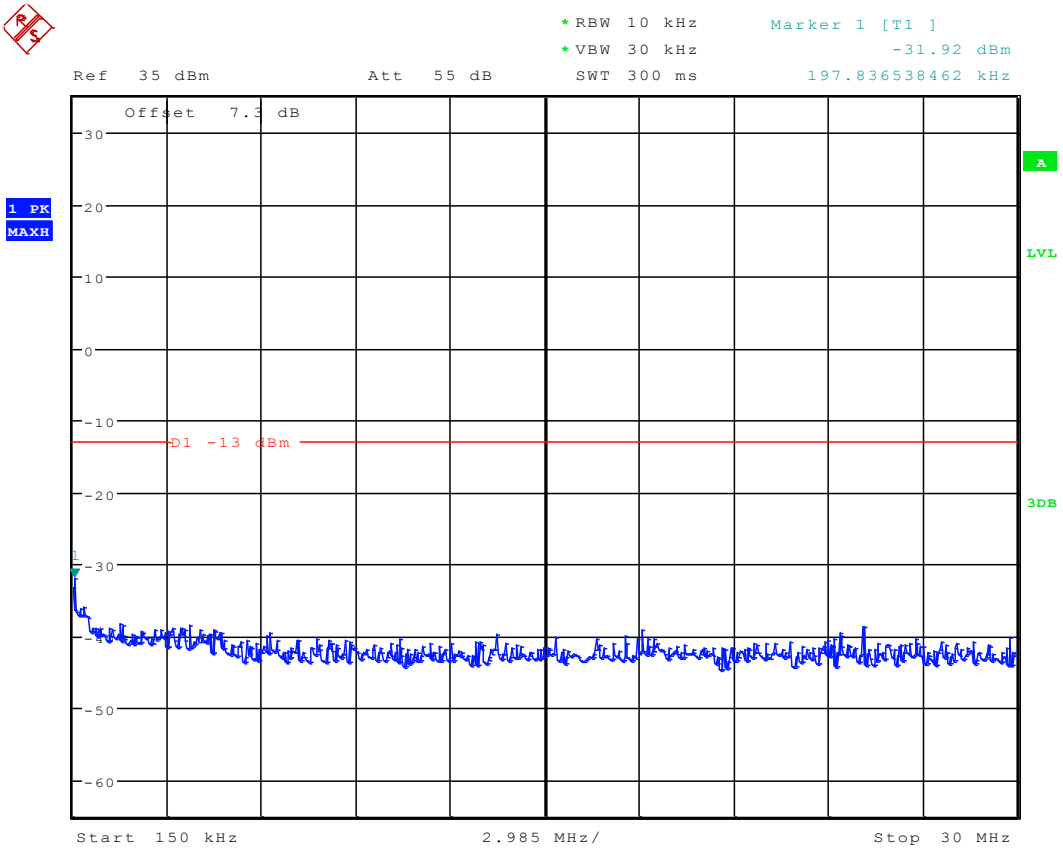

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.97 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz

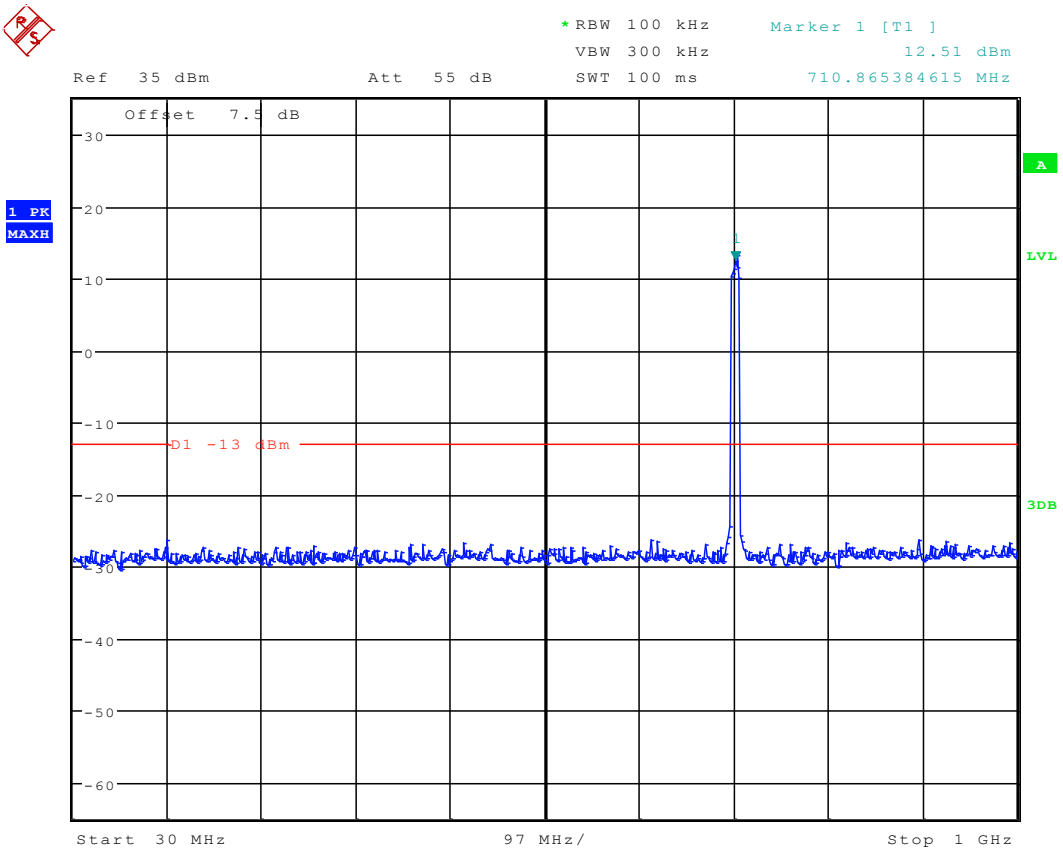

* RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
24.62 dBm
715.528846154 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

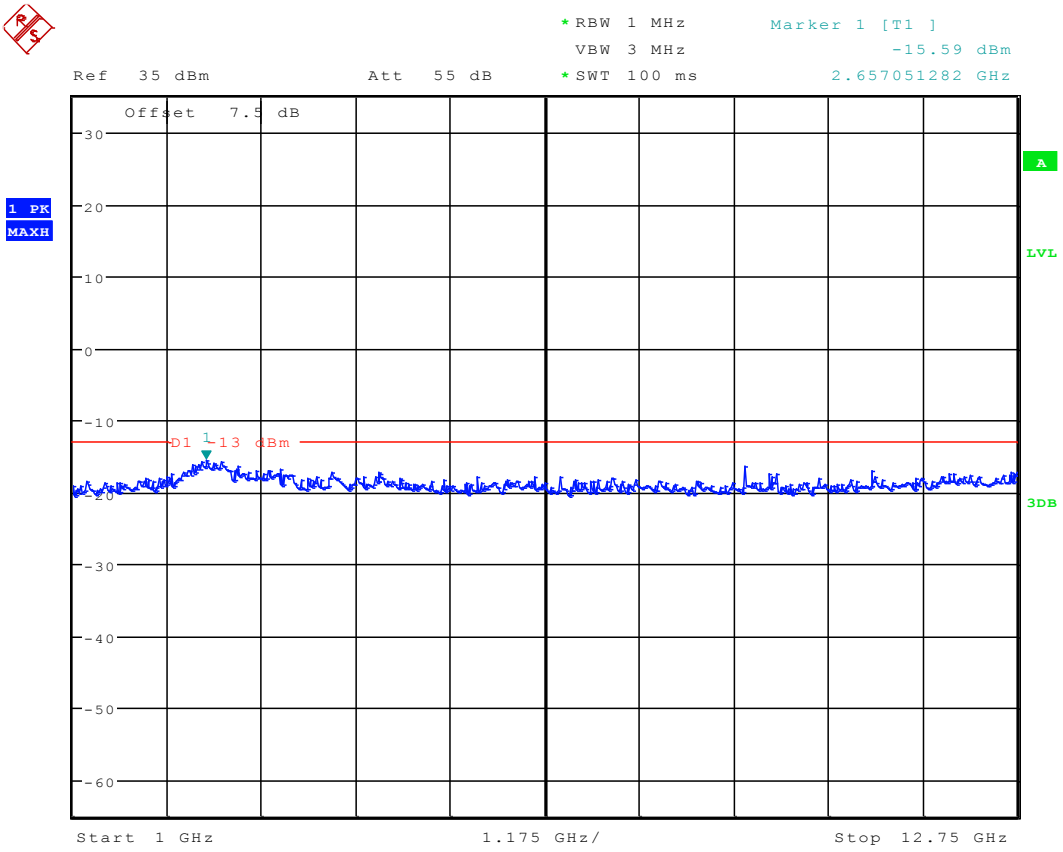

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.74 dBm
2.883012821 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.2.2.3 QPSK/full RBs



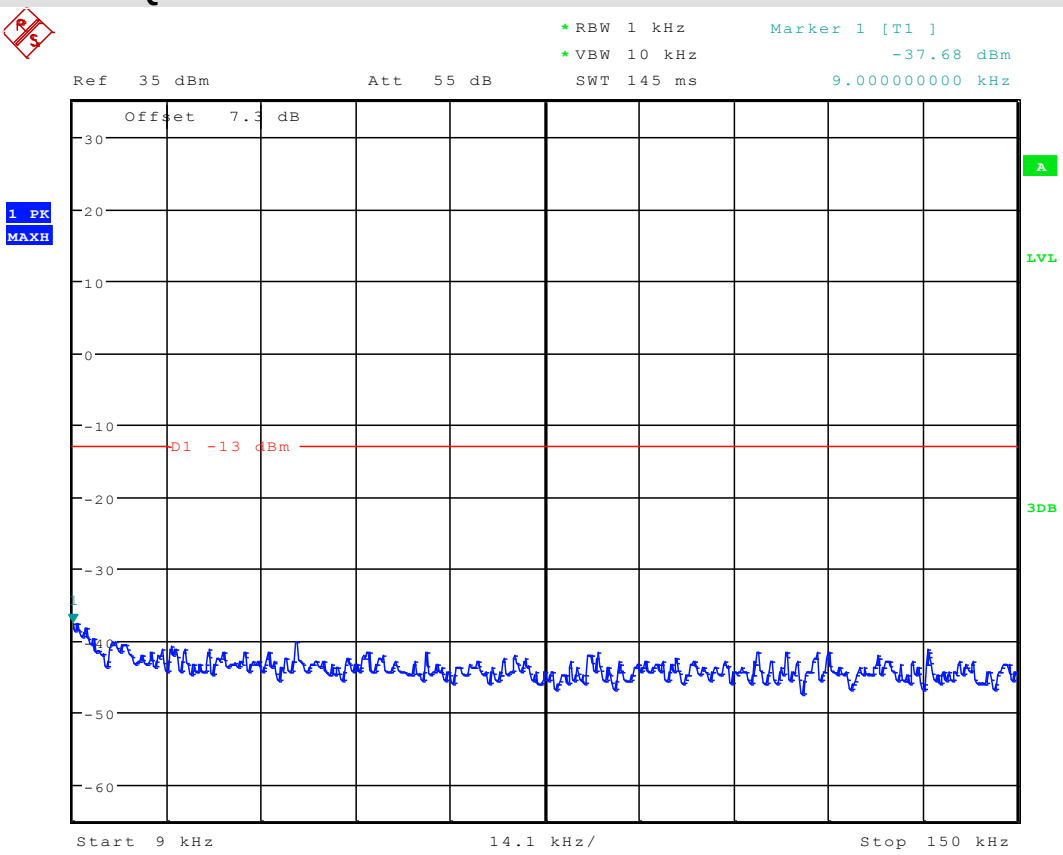

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-31.92 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz

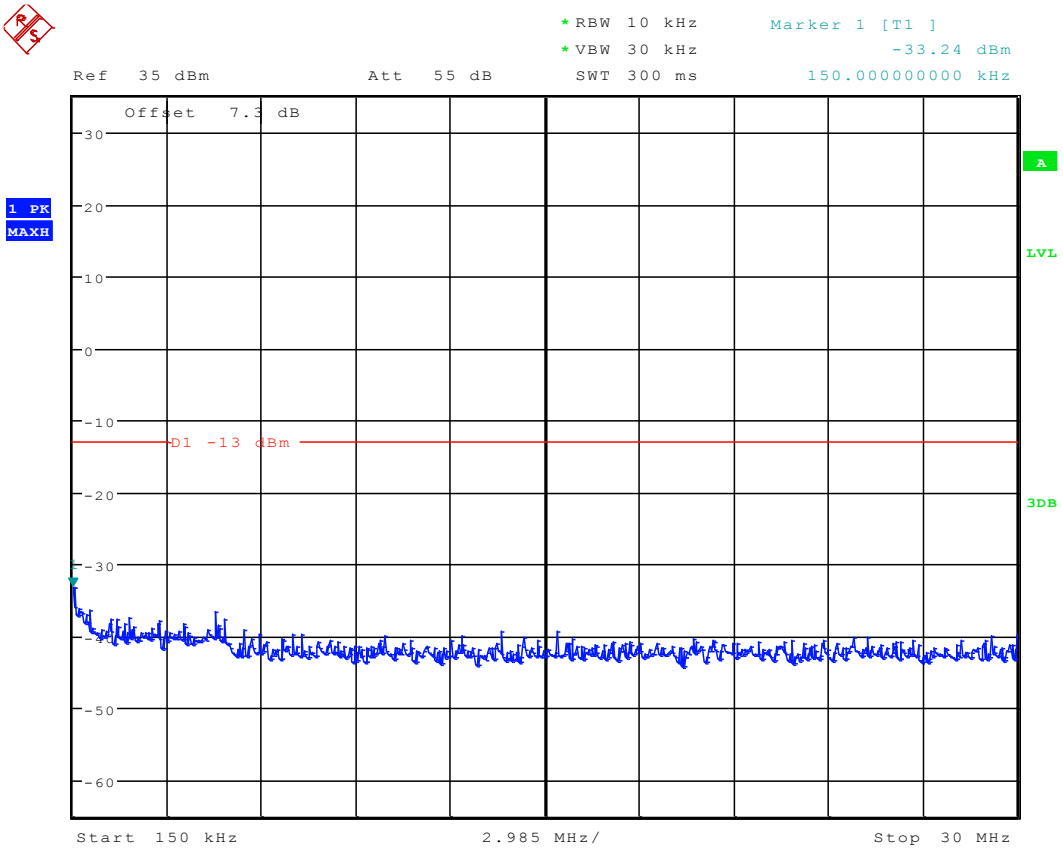

RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
12.51 dBm
710.865384615 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

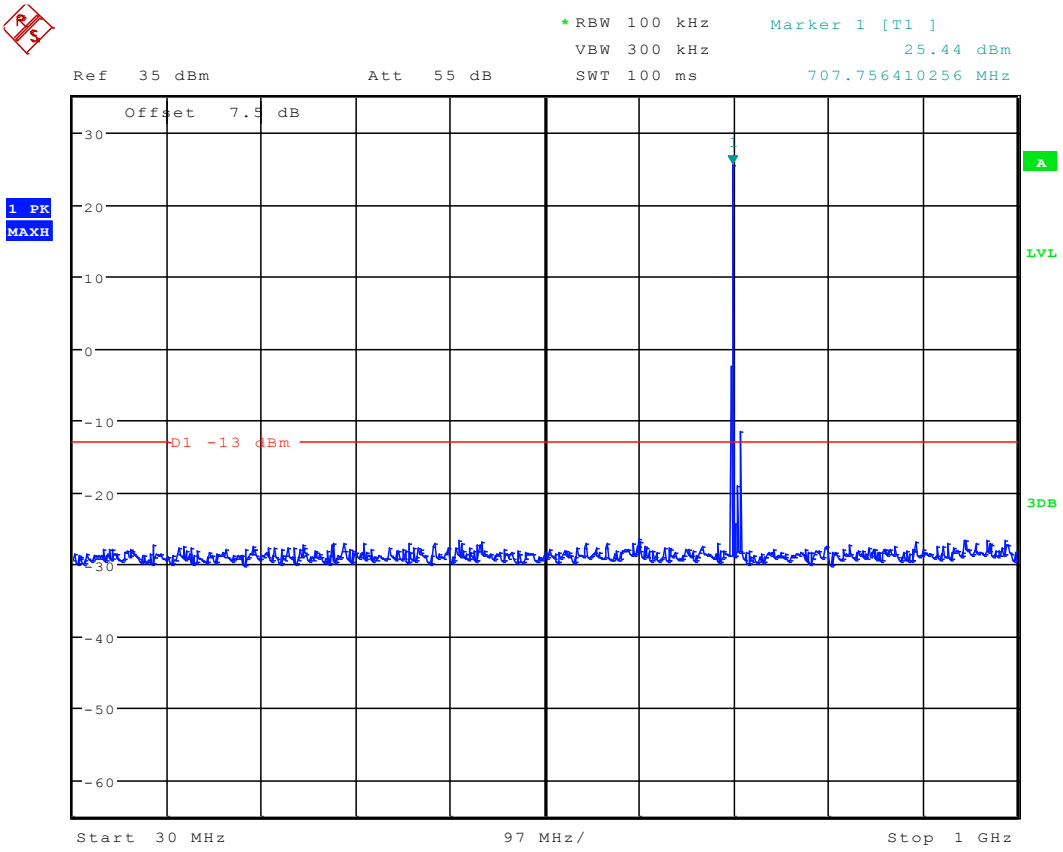

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.59 dBm
2.657051282 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

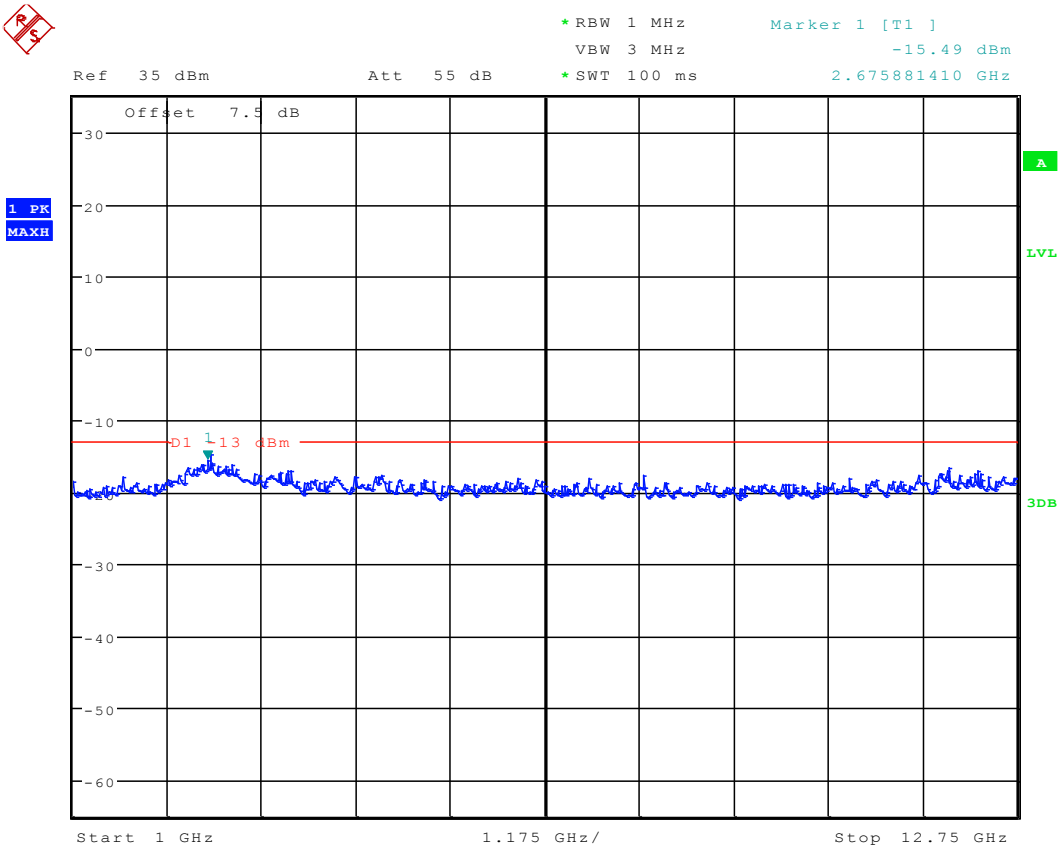
2.1.2.3 Channel = T

2.1.2.3.1 QPSK/1RBs /RB #0

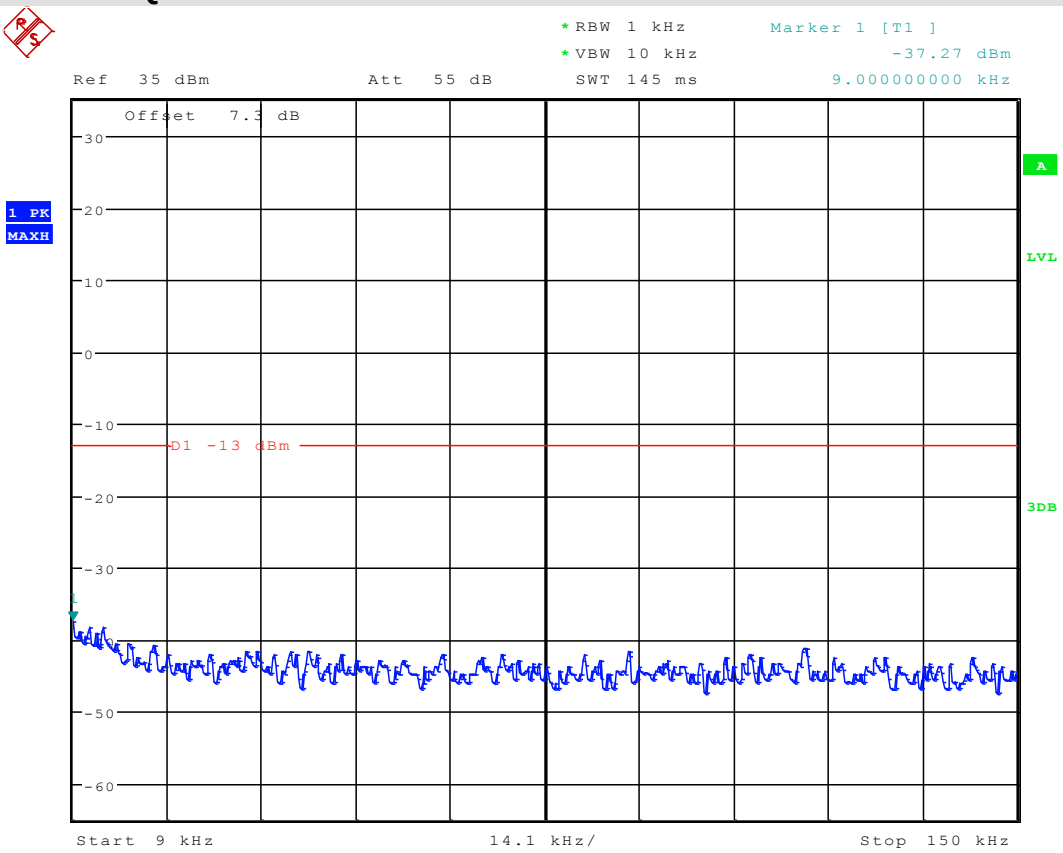


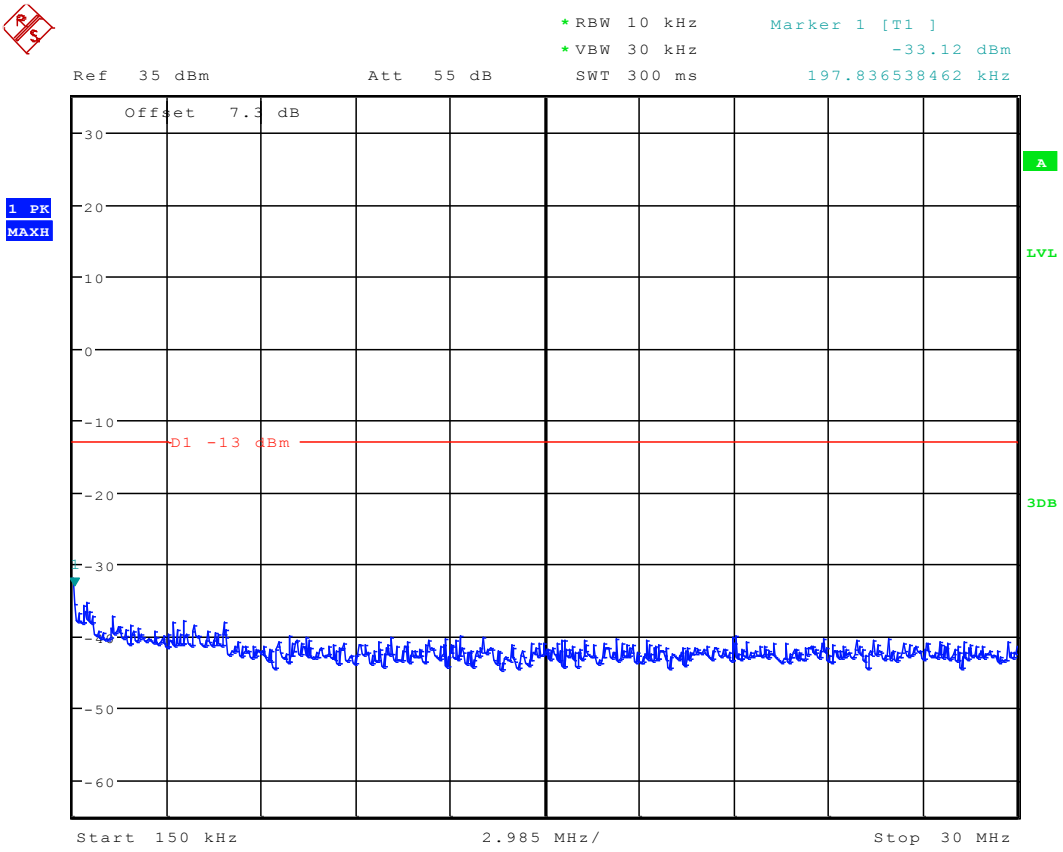

*RBW 10 kHz
*VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.24 dBm
150.000000000 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

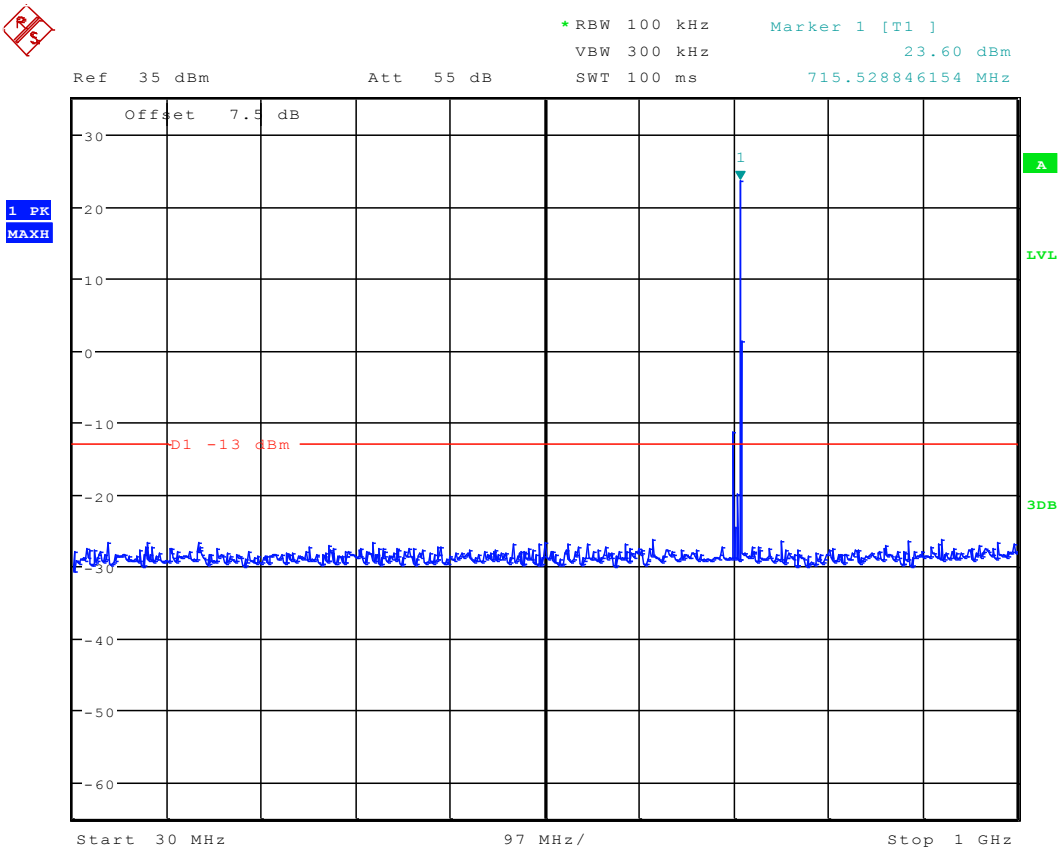

*RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
25.44 dBm
707.756410256 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

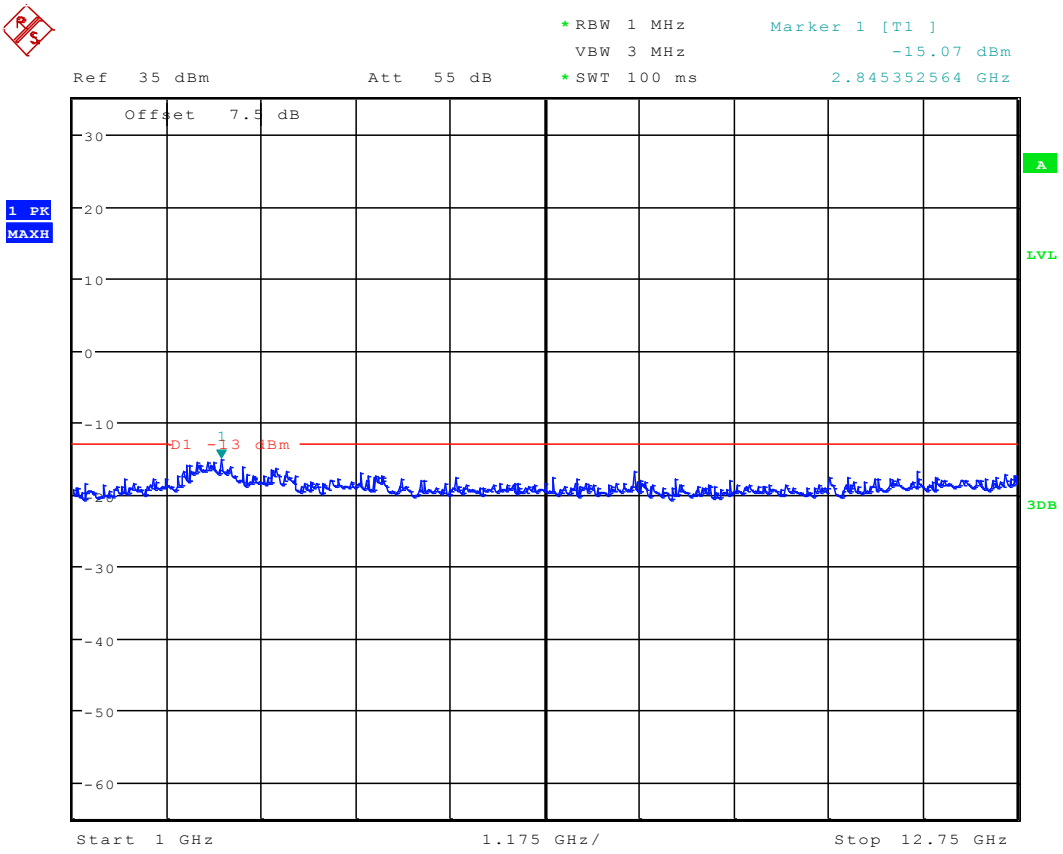

RBW 1 MHz
VBW 3 MHz
SWT 100 ms
Marker 1 [T1]
-15.49 dBm
2.675881410 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.2.3.2 QPSK/1RBs /RB #max

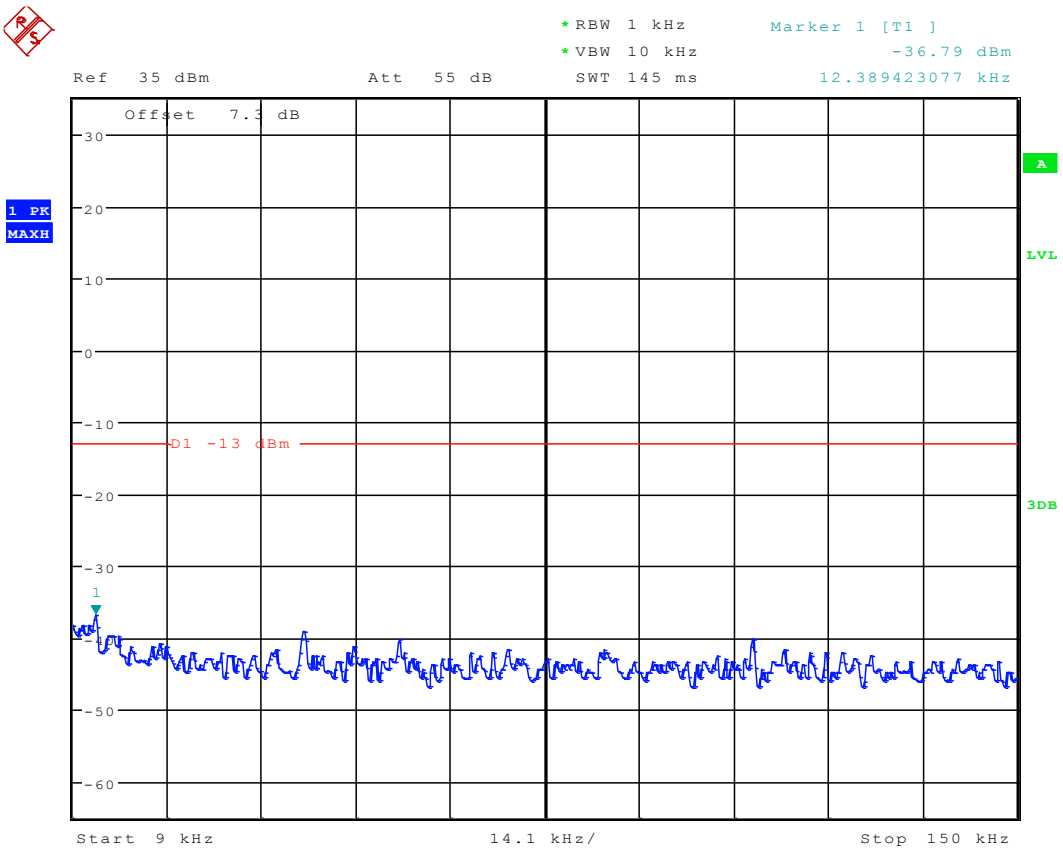


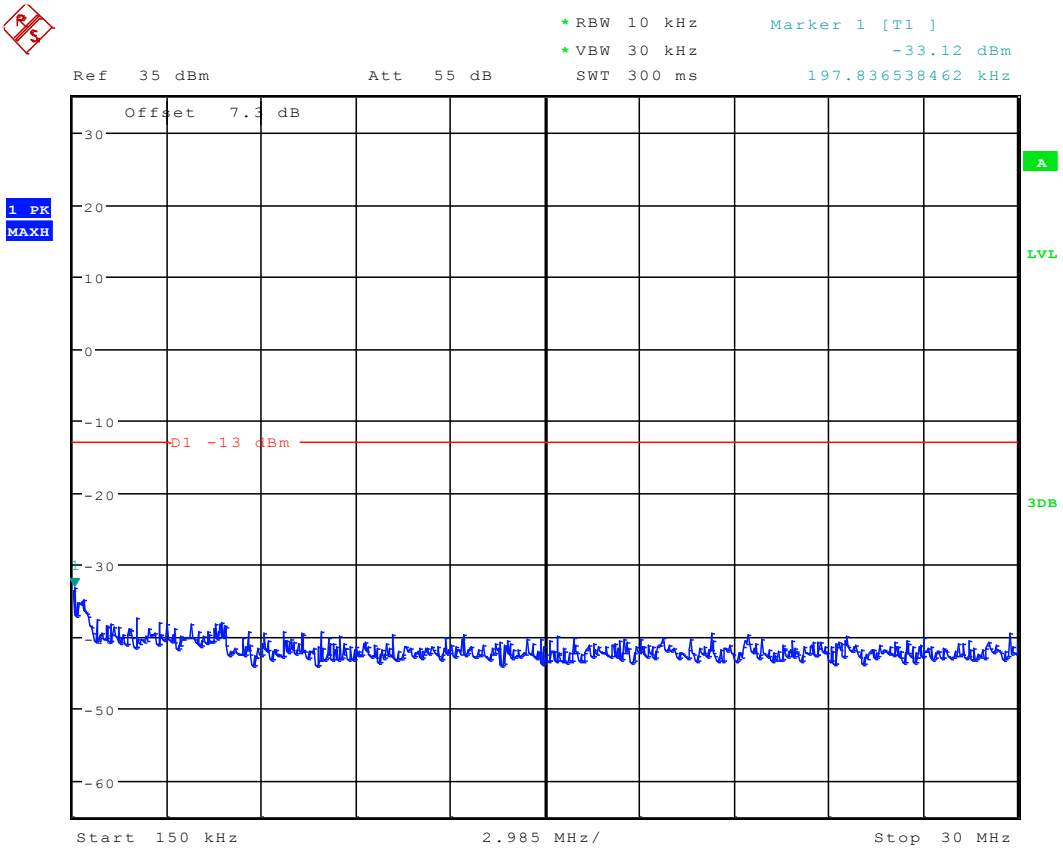

* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.12 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

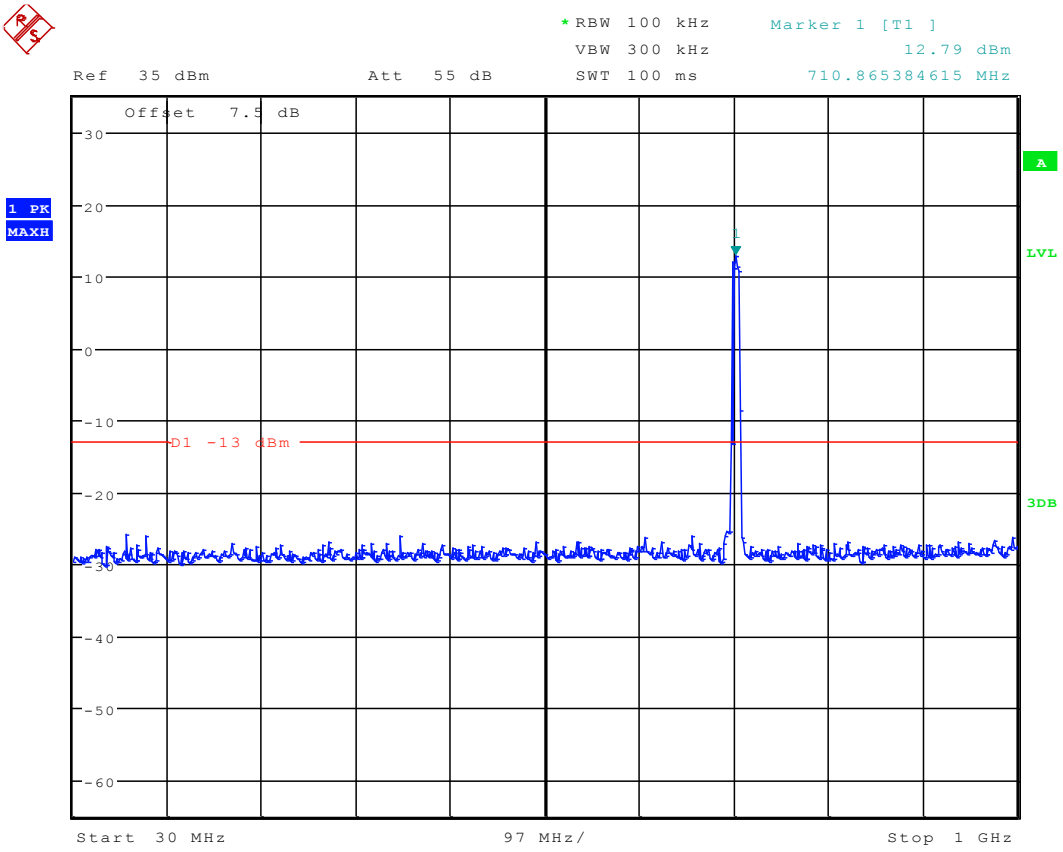

*RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
23.60 dBm
715.528846154 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz

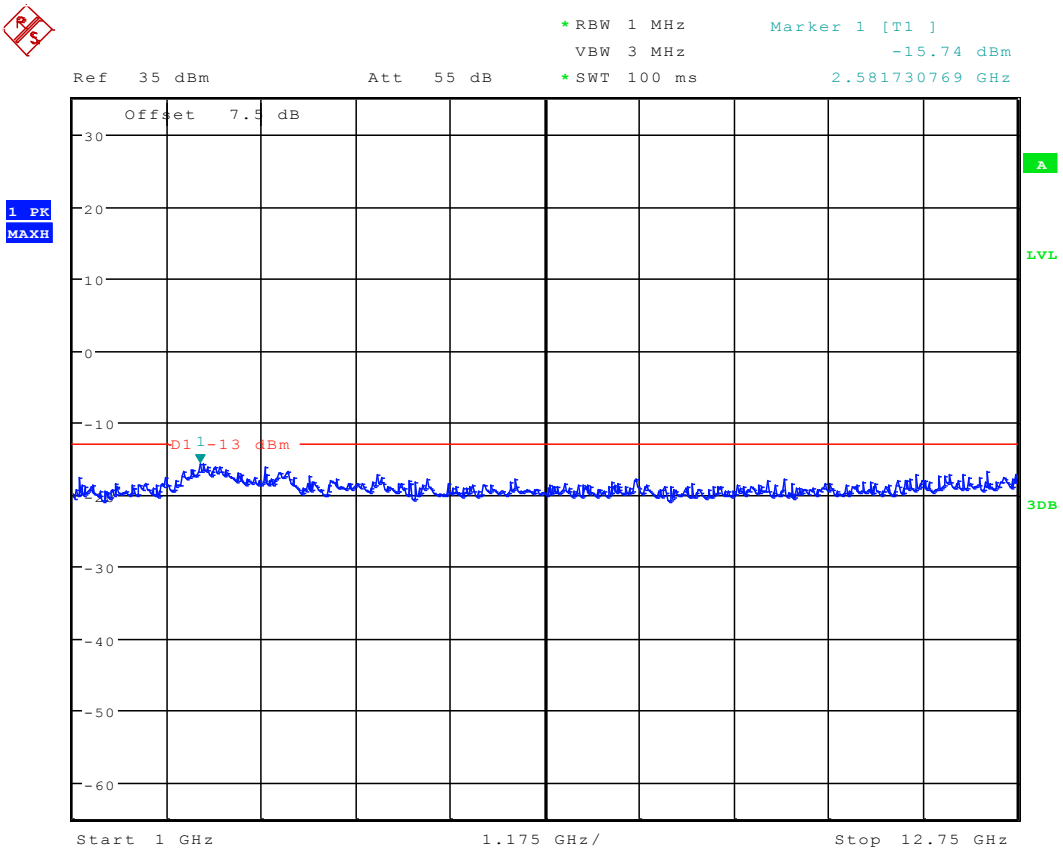

* RBW 1 MHz
VBW 3 MHz
* SWT 100 ms
Marker 1 [T1]
-15.07 dBm
2.845352564 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

2.1.2.3.3 QPSK/full RBs




* RBW 10 kHz
* VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-33.12 dBm
197.836538462 kHz
Ref 35 dBm
Att 55 dB
Offset 7.3 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz


RBW 100 kHz
VBW 300 kHz
SWT 100 ms
Marker 1 [T1]
12.79 dBm
710.865384615 MHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
97 MHz/
Stop 1 GHz


RBW 1 MHz
VBW 3 MHz
SWT 100 ms
Marker 1 [T1]
-15.74 dBm
2.581730769 GHz
Ref 35 dBm
Att 55 dB
Offset 7.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -13 dBm
30
20
10
0
-10
-30
-40
-50
-60
Start 1 GHz
1.175 GHz/
Stop 12.75 GHz

END