

Prüfbericht - Nr.:
Test Report No.

14015800 001

Seite 1 von 6
Page 1 of 6

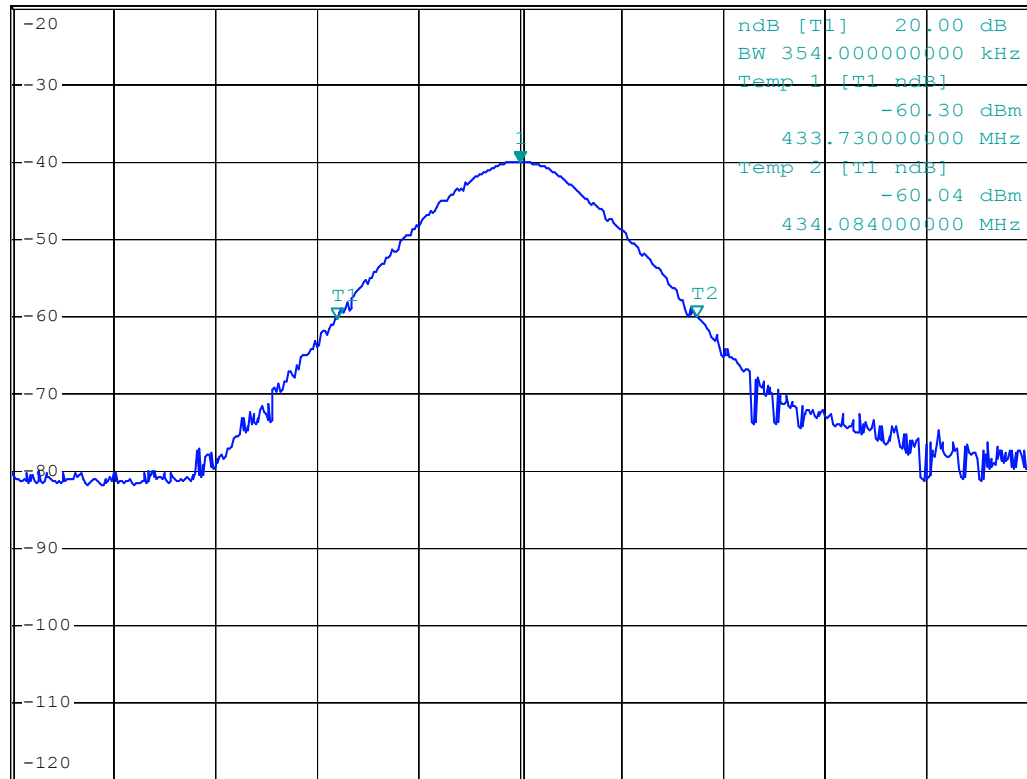


*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz -40.04 dBm
SWT 2.5 ms 433.91000000 MHz

Ref -20 dBm

Att 10 dB

1 PK
VIEW



A

PRN

Center 433.91 MHz

100 kHz/

Span 1 MHz

Date: 29.MAR.2007 12:29:01

- Bandwidth measurement: 20dB bandwidth = 180kHz + 174kHz = **354kHz**

Prüfbericht - Nr.:
Test Report No.

14015800 001

Seite 2 von 6
Page 2 of 6

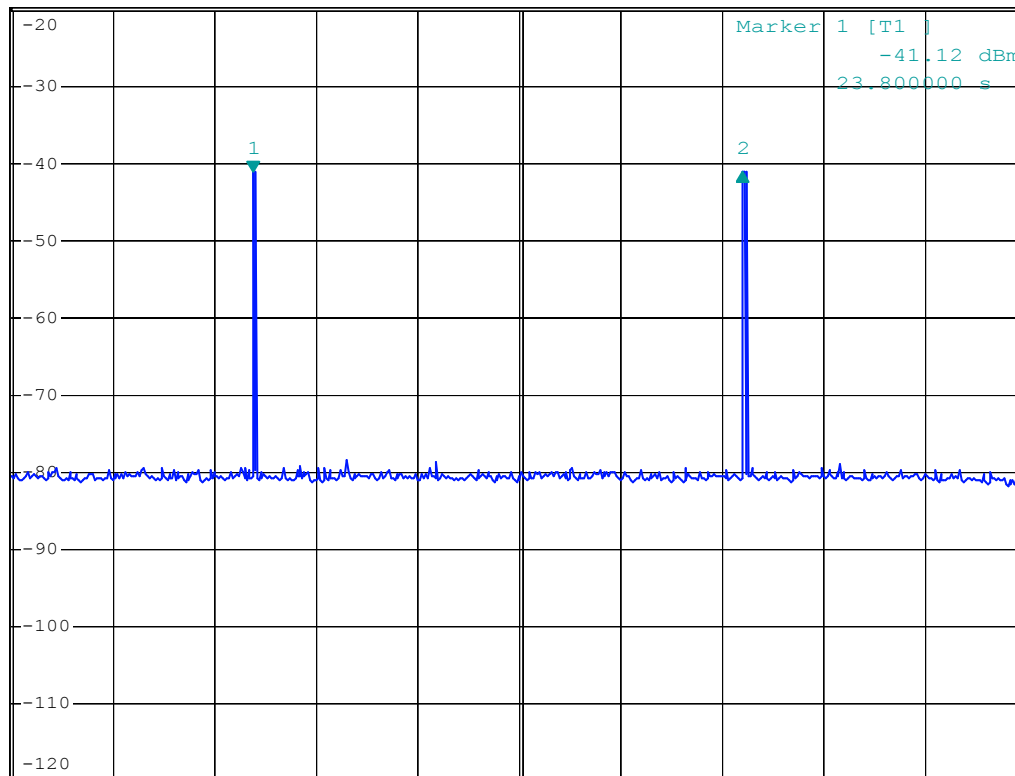


Ref -20 dBm

Att 10 dB

RBW 100 kHz Delta 2 [T1]
VBW 300 kHz 0.10 dB
SWT 100 s 48.200000 s

1 PK
VIEW



A

PRN

Center 433.91 MHz

10 s/

Date: 29.MAR.2007 12:37:29

Prüfbericht - Nr.:
Test Report No.

14015800 001

Seite 3 von 6
Page 3 of 6

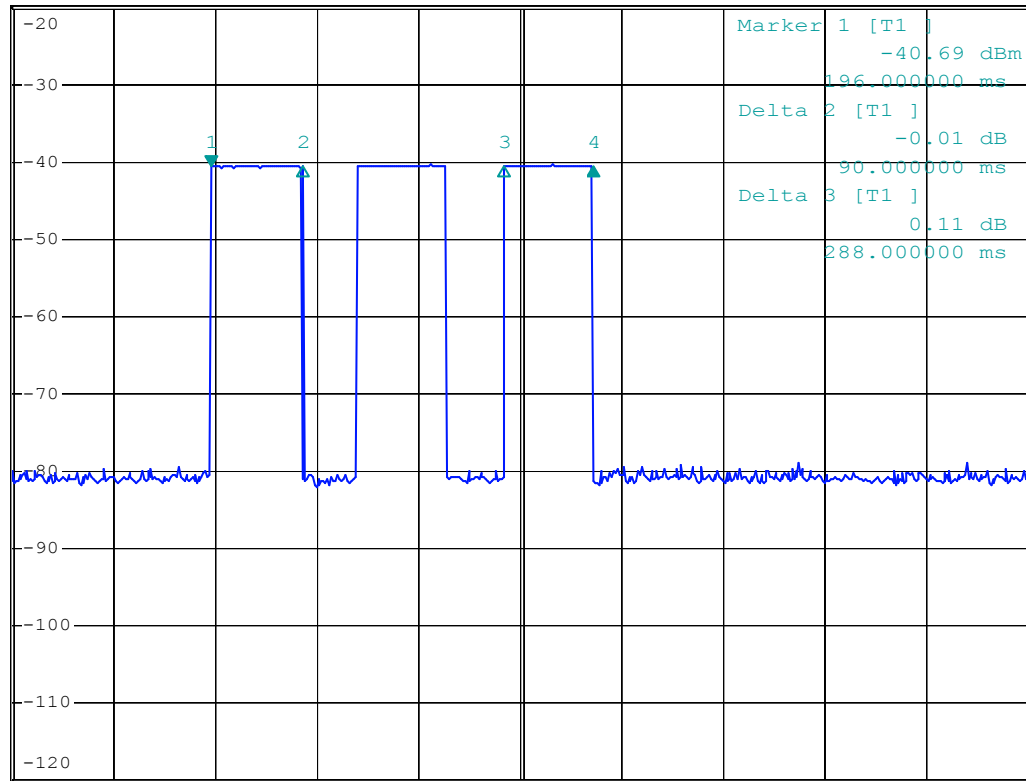


RBW 100 kHz Delta 4 [T1]
VBW 300 kHz 0.10 dB
SWT 1 s 376.000000 ms

Ref -20 dBm

Att 10 dB

1 PK
VIEW



Center 433.91 MHz

100 ms/

Date: 29.MAR.2007 12:46:06

Part 15.231 (e) requirement

	Measured time (second(s))	Limit (second(s))
Duration of each transmission	0.376	≤ 1
Duration of silent period	48.2	$\geq 30 \times 0.4018 = 12.05$ and ≥ 10 (shall be in any circumstances)

Prüfbericht - Nr.:
Test Report No.

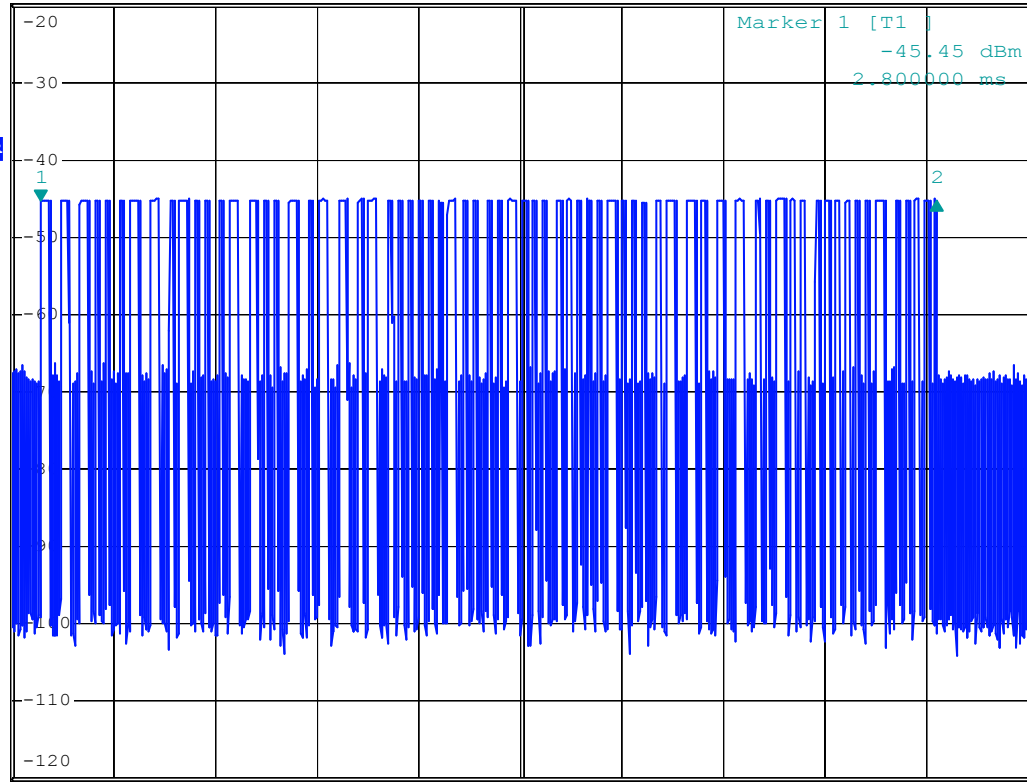
14015800 001

Seite 4 von 6
Page 4 of 6



1 AP
CLRWR

RBW 3 MHz Delta 2 [T1]
VBW 10 MHz 0.18 dB
SWT 100 ms 88.200000 ms
Ref -20 dBm Att 10 dB



Center 433.91 MHz 10 ms/

Date: 29.MAR.2007 12:59:33

- The graph shows the pattern of coding during the signal transmission.
- Within the pulse train, there are 50 short and 21 long 'on' signals.

Prüfbericht - Nr.:
Test Report No.

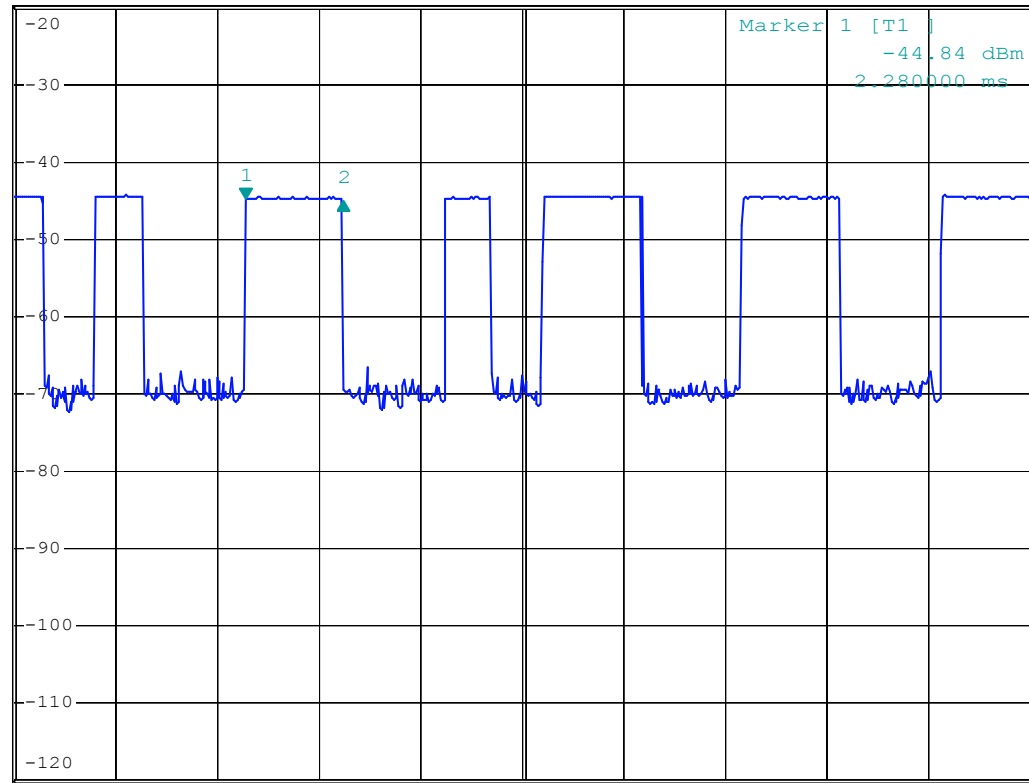
14015800 001

Seite 5 von 6
Page 5 of 6



Ref -20 dBm Att 10 dB RBW 3 MHz Delta 2 [T1]
VBW 10 MHz -0.18 dB
SWT 10 ms 960.000000 µs

1 PK
MAXH



Center 433.91 MHz 1 ms/

Date: 29.MAR.2007 14:16:45

- The duration of long 'on' signal indicates 0.96ms.

Prüfbericht - Nr.:
Test Report No.

14015800 001

Seite 6 von 6
Page 6 of 6

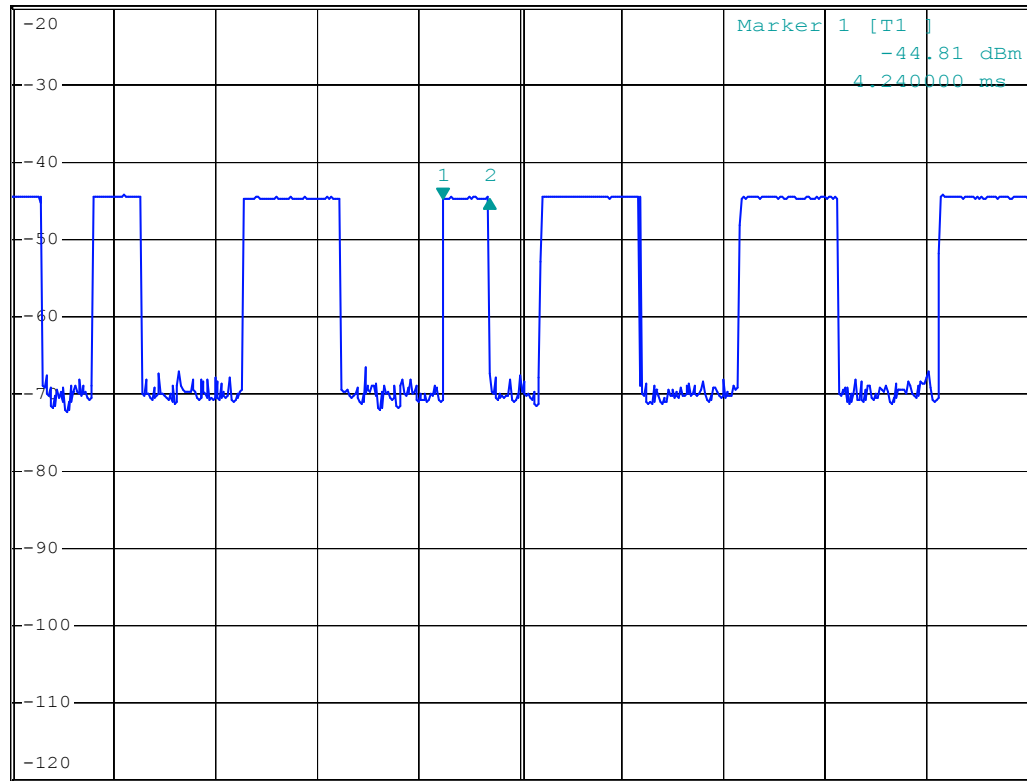


RBW 3 MHz Delta 2 [T1]
VBW 10 MHz 0.06 dB
SWT 10 ms 460.000000 µs

Ref -20 dBm

Att 10 dB

1 PK
MAXH



Center 433.91 MHz

1 ms/

Date: 29.MAR.2007 14:16:02

-The duration of short 'on' signal indicates 0.46ms.

-Therefore, the total 'on' time of one successful period $(0.96\text{ms} \times 21) + (0.46\text{ms} \times 50) = 43.16\text{ ms}$

-Average factor: $20 \log (43.16/100) = -7.3\text{dB}$