

Appendix 1

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TÜV Rheinland Group

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Test Report No.

14008707 002

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MARKER 1

433.917 MHz

Ref -20 dBm

Att 10 dB

*RBW 3 kHz

VBW 10 kHz

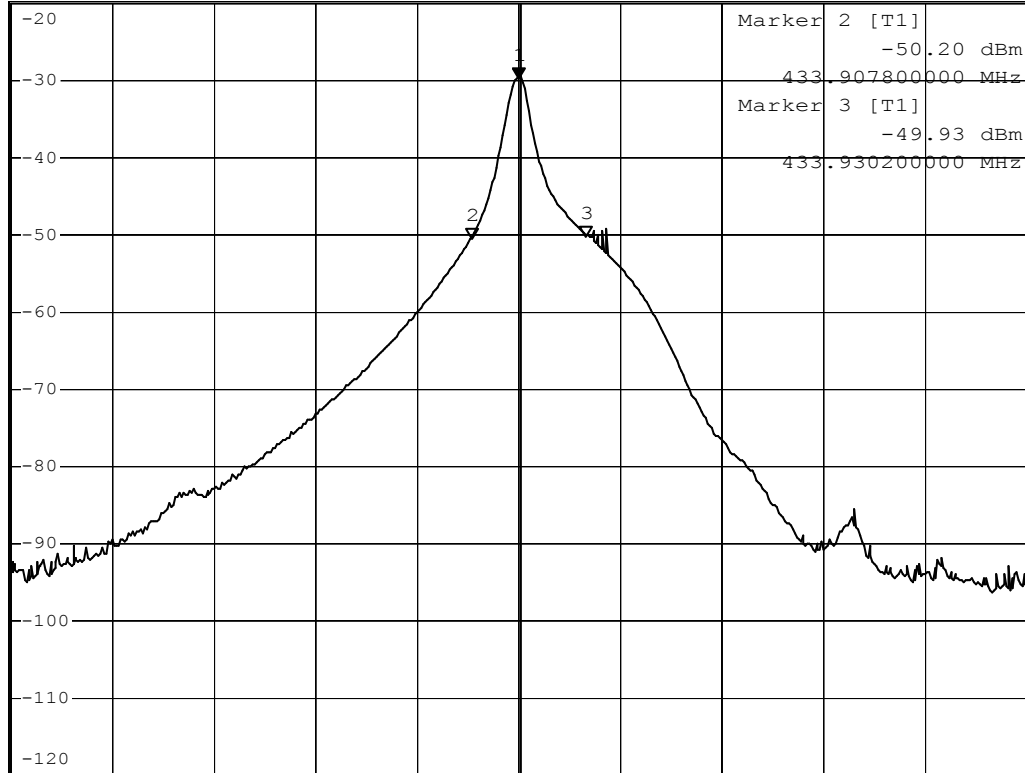
*SWT 500 ms

Marker 1 [T1]

-29.63 dBm

433.917000000 MHz

1 PK
MAXH



Center 433.917 MHz

20 kHz/

Span 200 kHz

Date: 30.MAR.2005 10:59:03

-Bandwidth measurement.

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DELTA MARKER 2

89.2 ms

Ref -20 dBm

Att 10 dB

RBW 10 kHz

Delta 2 [T1]

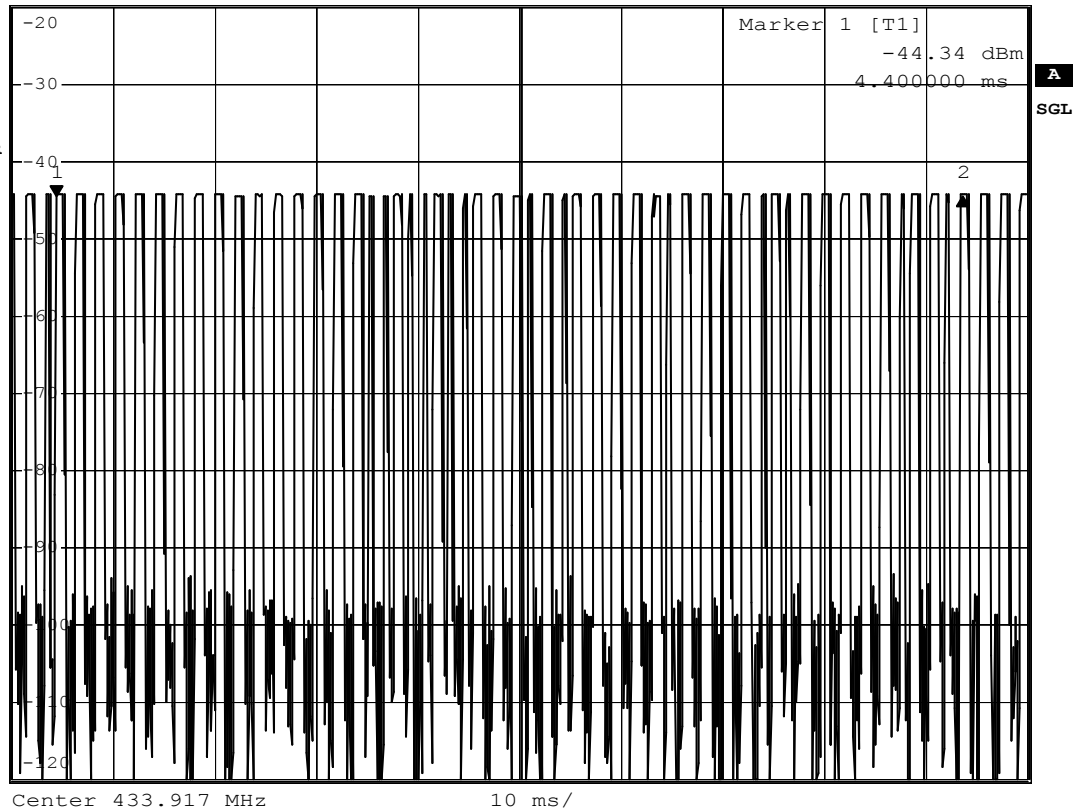
VBW 30 kHz

-0.02 dB

SWT 100 ms

89.200000 ms

1 AP
CLRWR



Date: 30.MAR.2005 11:28:42

- The graph shows the pattern of coding during the signal transmission.
- The total "on" time is 100ms.
- There are 44 long and 15 short 'on' signal.

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DELTA MARKER 2

890 μ s

Ref 87 dB μ V

Att 10 dB

RBW 1 MHz

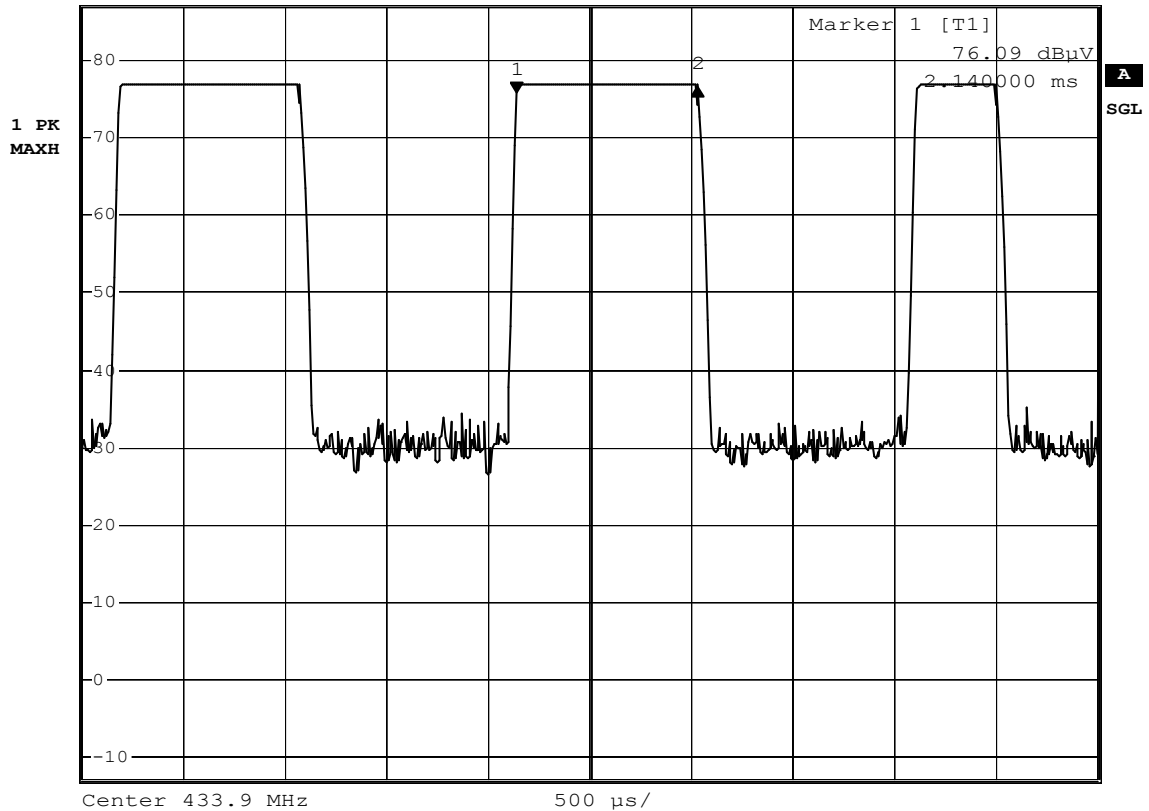
Delta 2 [T1]

*VBW 1 MHz

0.74 dB

SWT 5 ms

890.000000 μ s



Date: 8.APR.2005 17:33:04

- The graph shows the duration of long 'on' signal, from marker 1 to marker 2 indicates 890 μ s.

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DELTA MARKER 2

390 μ s

Ref 87 dB μ V

Att 10 dB

RBW 1 MHz

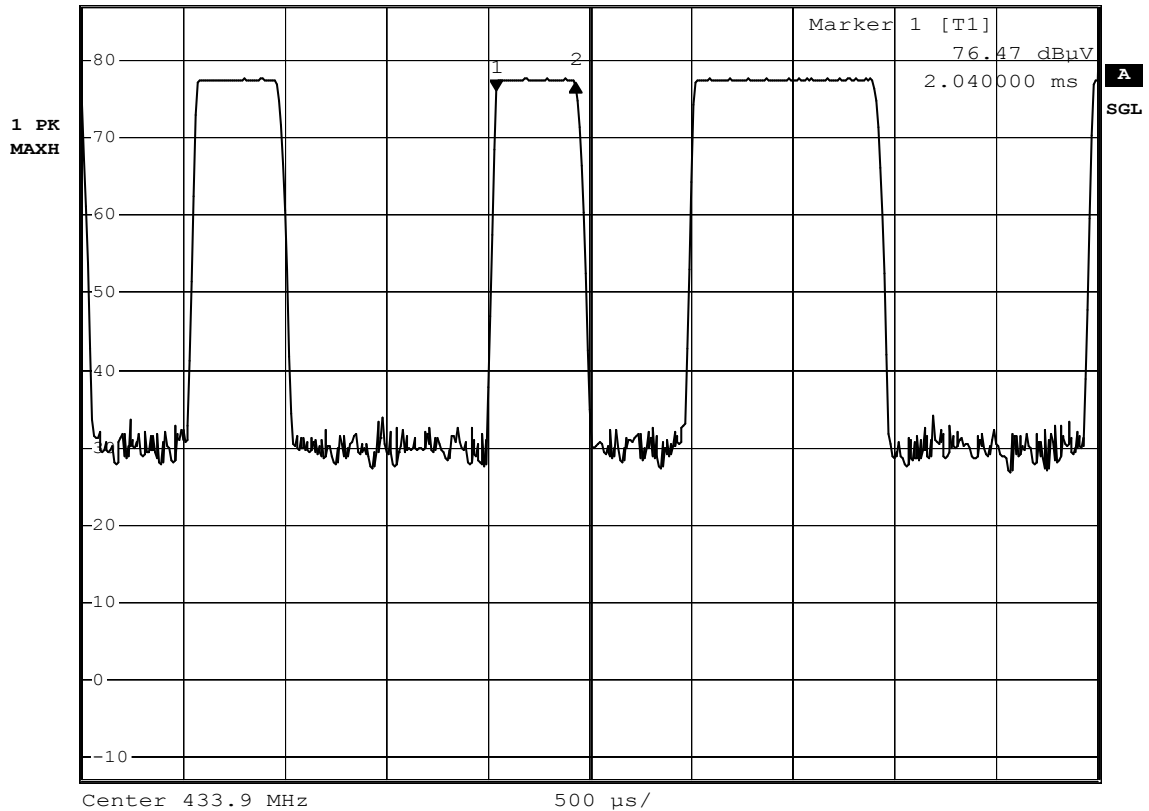
Delta 2 [T1]

*VBW 1 MHz

1.07 dB

SWT 5 ms

390.000000 μ s



Date: 8.APR.2005 17:35:21

- The graph shows the duration of short 'on' signal, from marker 1 to marker 2 indicates 390 μ s.
- Therefore, the total signal 'on' time of one successful period is $(890\mu\text{s} \times 44) + (390\mu\text{s} \times 15) = \underline{\underline{45.01\text{ms}}}$.

Average factor: $20 \log (45.01 / 100) = \underline{\underline{-7\text{dB}}}$.