

Appendix 1

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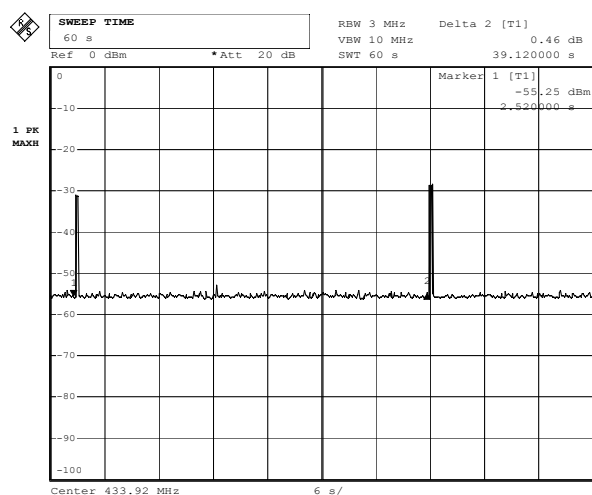


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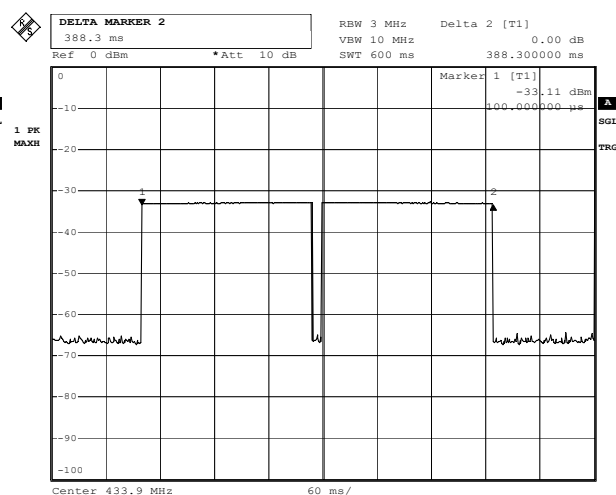
Prüfbericht - Nr.:
Test Report No.

14009434 001

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Date: 27.SEP.2005 15:11:55



Date: 28.SEP.2005 14:52:54

The above data graph shows the transmitter performance of the automatic activation. The transmitter transmits signal in every 39s. In every transmission, the signal on period lasts for 390ms. The transmitter activated automatically ceases transmission within 5 seconds after activation.

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MARKER 1

433.9 MHz

Ref -20 dBm

Att 10 dB

RBW 3 kHz

VBW 10 kHz

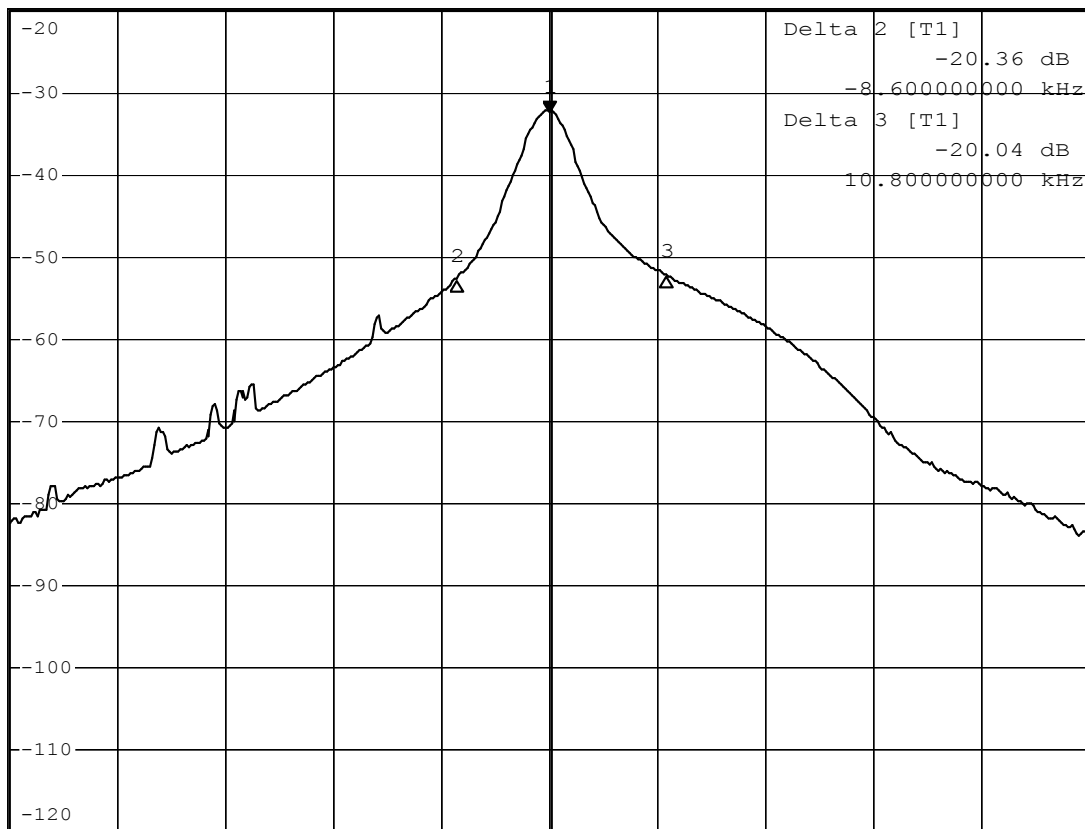
SWT 15 ms

Marker 1 [T1]

-32.21 dBm

433.900000000 MHz

1 PK
MAXH



Center 433.9 MHz

10 kHz/

Span 100 kHz

Date: 29.SEP.2005 19:26:07

-Bandwidth measurement.

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DELTA MARKER 2

388.3 ms

Ref 0 dBm

*Att 10 dB

RBW 3 MHz

VBW 10 MHz

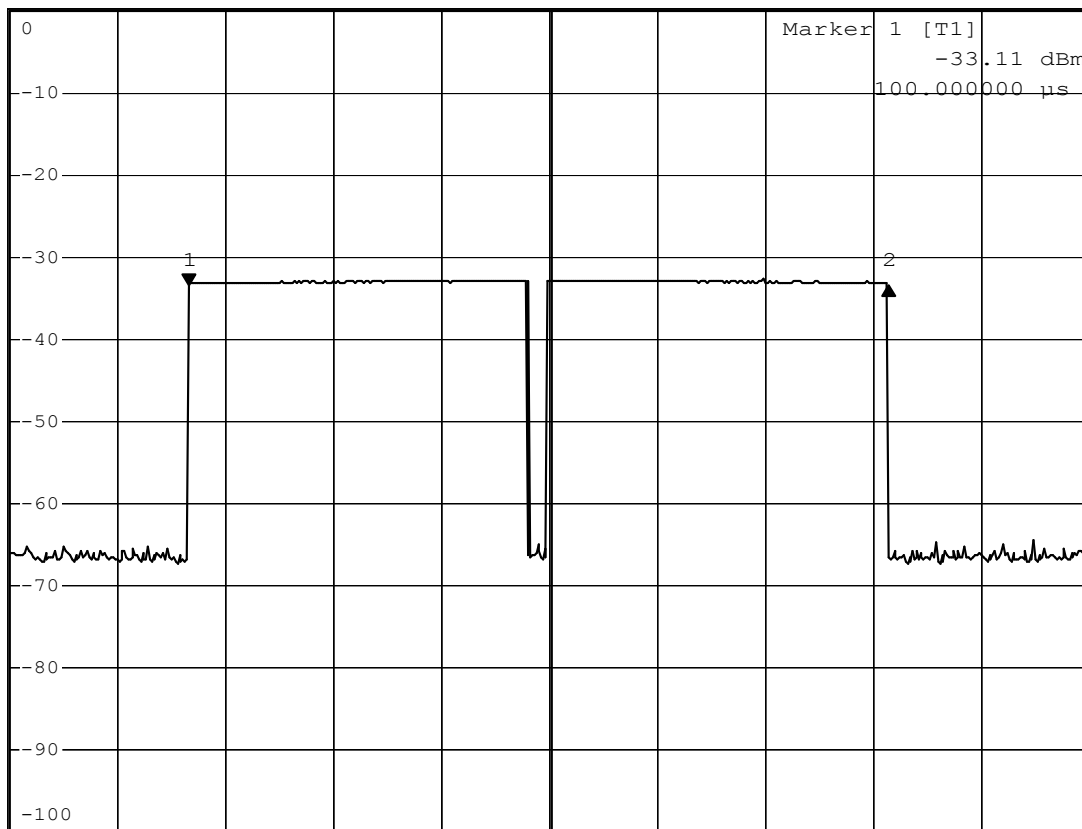
SWT 600 ms

Delta 2 [T1]

0.00 dB

388.300000 ms

1 PK
MAXH



Center 433.9 MHz

60 ms/

Date: 28.SEP.2005 14:52:54

- The graph shows the pattern of coding during the signal transmission.
- One packet duration time is 388ms.

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SWEEP TIME

100 ms

RBW 3 MHz

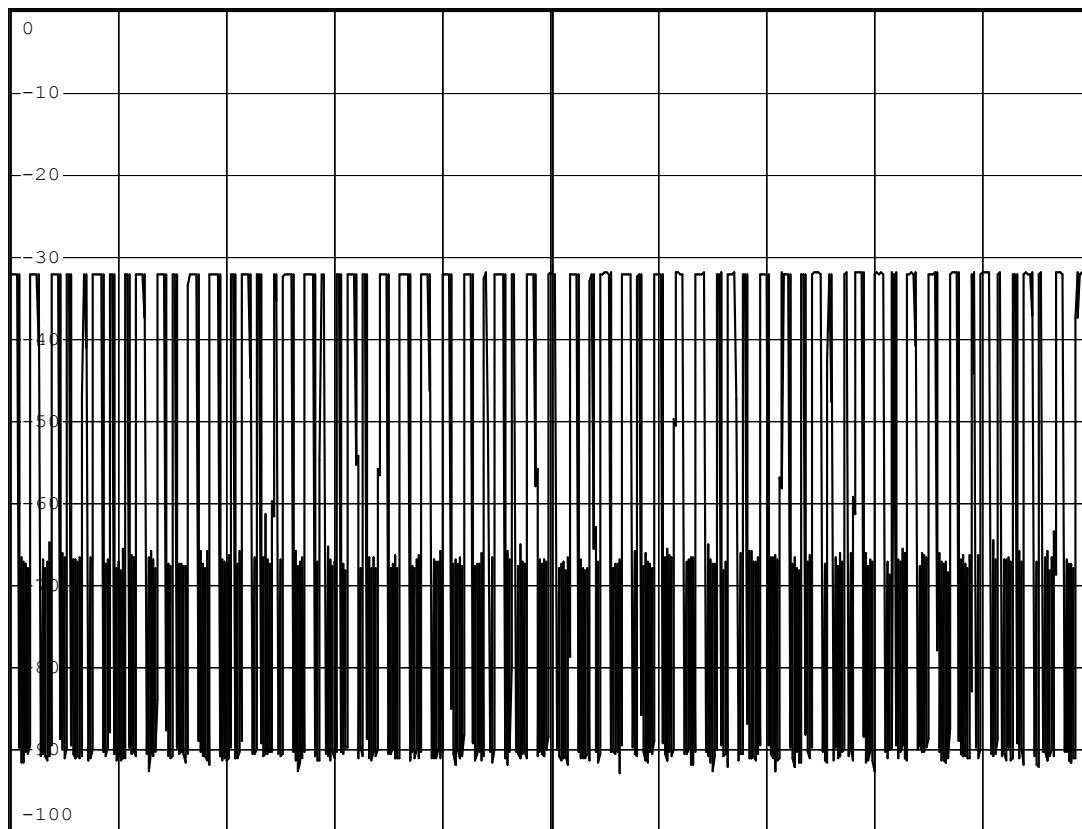
VBW 10 MHz

Ref 0 dBm

*Att 10 dB

SWT 100 ms

1 AP
CLRWR



A
SGL
TRG

Center 433.9 MHz

10 ms/

Date: 28.SEP.2005 14:55:21

- There are 38 long and 25 short 'on' signal.

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MARKER 1

10 μ s

Ref 0 dBm

*Att 10 dB

RBW 3 MHz

VBW 10 MHz

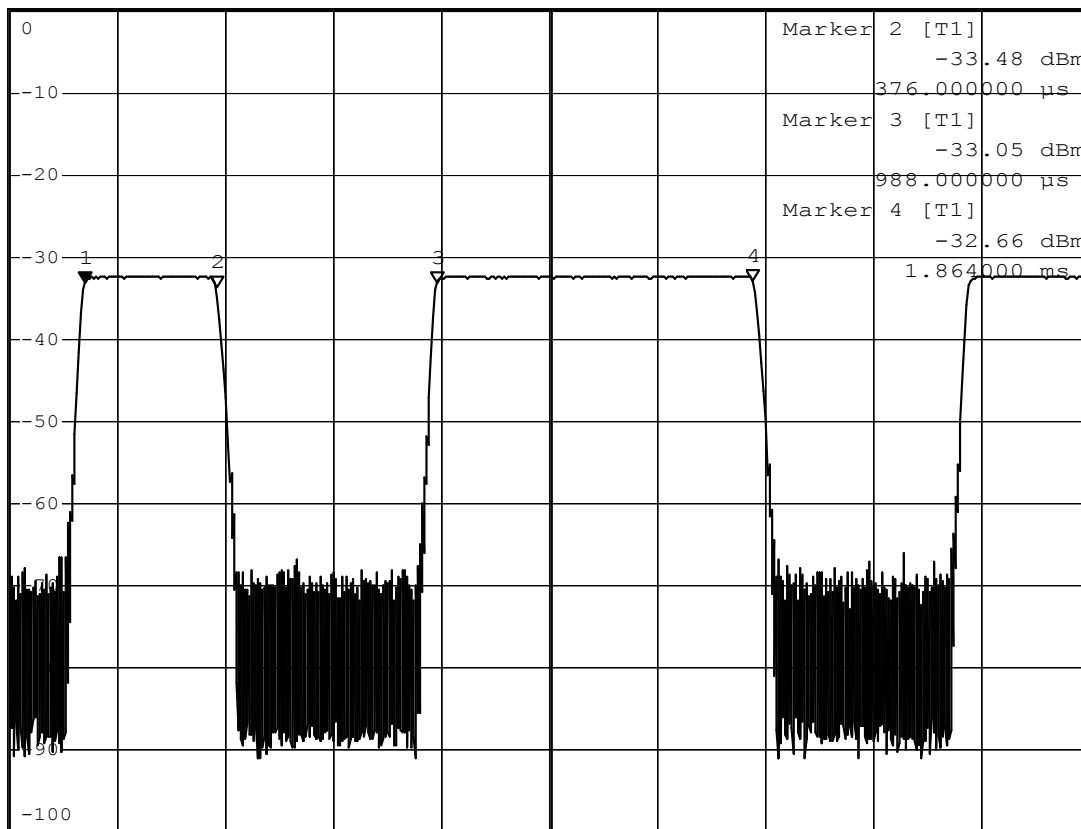
SWT 3 ms

Marker 1 [T1]

-32.90 dBm

10.000000 μ s

1 AP
CLRWR



Center 433.9 MHz

300 μ s/

Date: 28.SEP.2005 14:58:03

- The graph shows the duration of long 'on' signal, from marker 1 to marker 2 indicates 876 μ s.
- The graph shows the duration of short 'on' signal, from marker 3 to marker 4 indicates 366 μ s.
- Therefore, the total signal 'on' time of one successful period is (876 μ s x 38) + (366 μ s x 25) = **42.44ms**.

Average factor: $20 \log (42.44 / 100.00) =$ **-7.44dB**.