



## **Appendix B**

# Occupied Bandwidth Measurement

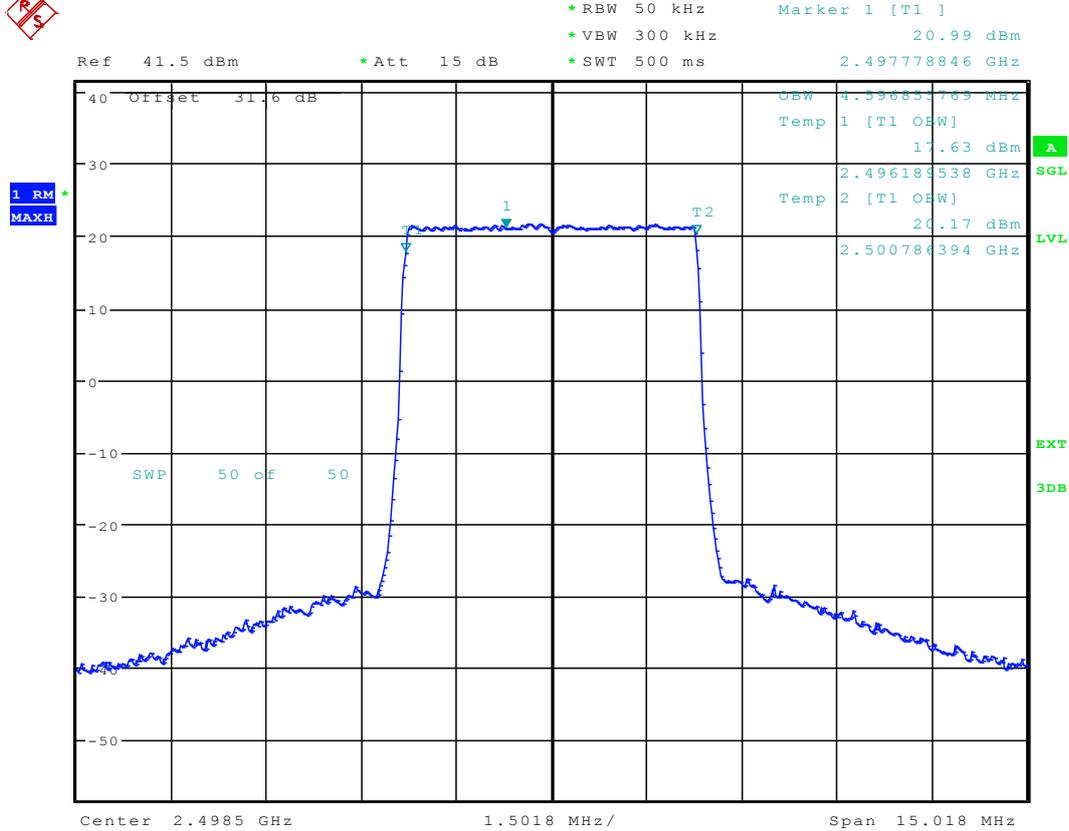
According to FCC part 2.1049 and part 27 subpart C & M



# (1) WiMAX, 5MHz Channel Bandwidth:

TM1:

## Ch.B



Date: 13.FEB.2009 11:53:34

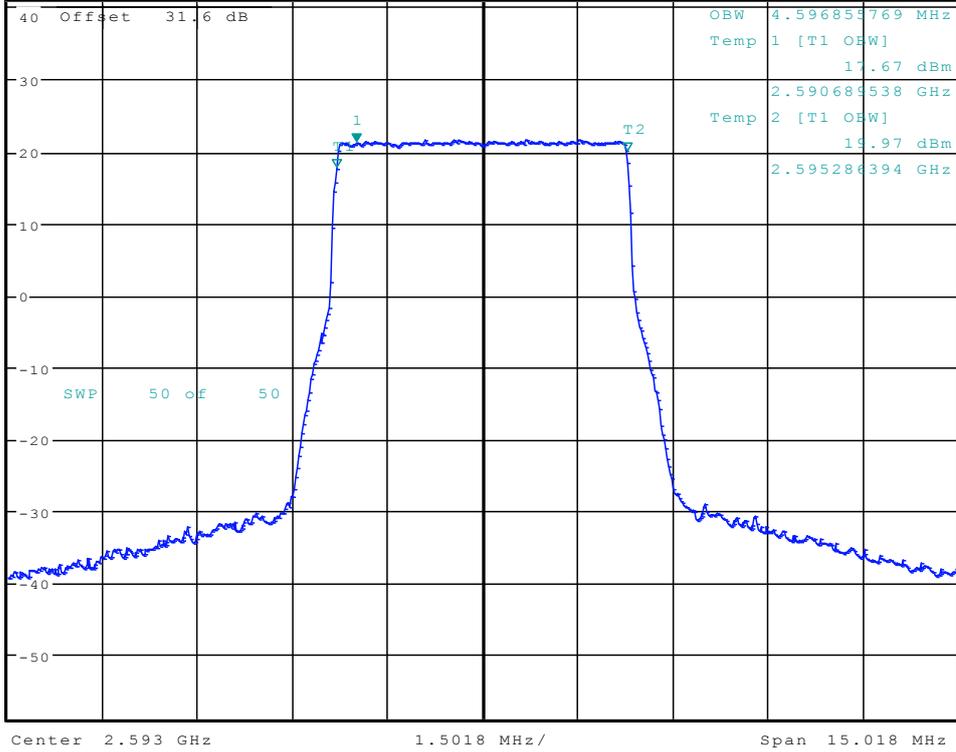


# Ch.M



1 RM \*  
MAXH

Ref 41 dBm \*Att 15 dB \*RBW 50 kHz \*VBW 300 kHz \*SWT 500 ms Marker 1 [T1 ] 21.20 dBm 2.591012821 GHz



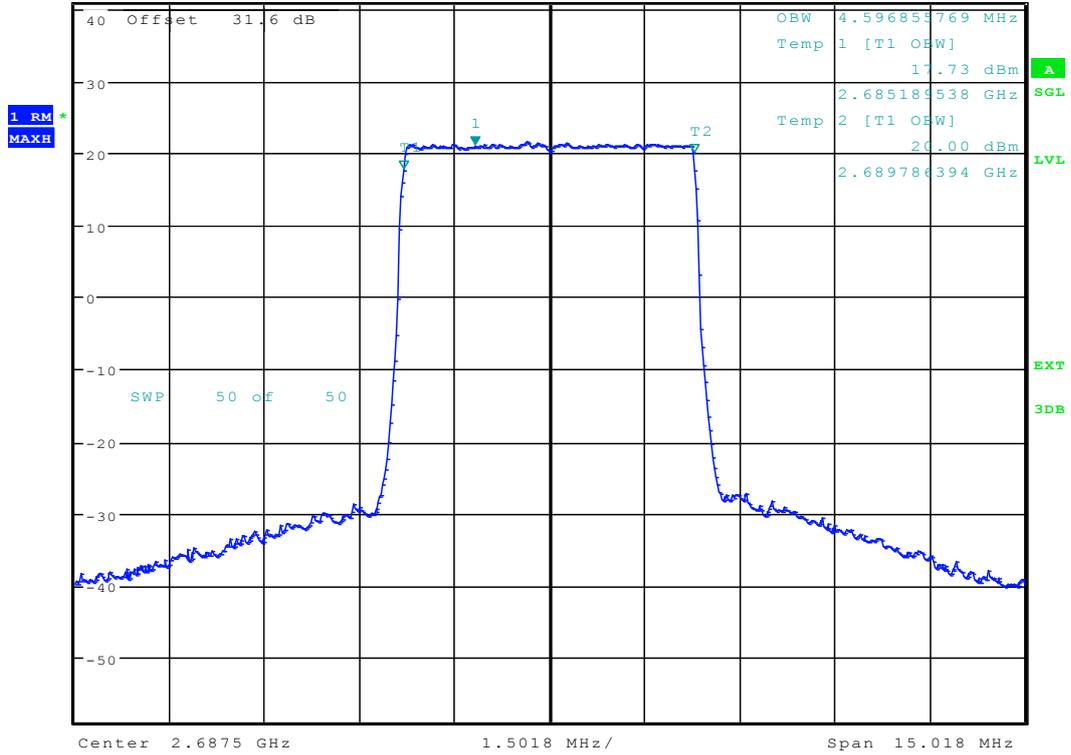
Date: 13.FEB.2009 11:48:56



# Ch.T



Ref 40.9 dBm      \*Att 15 dB      \*RBW 50 kHz      Marker 1 [T1 ]  
 \*VBW 300 kHz      21.00 dBm  
 \*SWT 500 ms      2.686330128 GHz

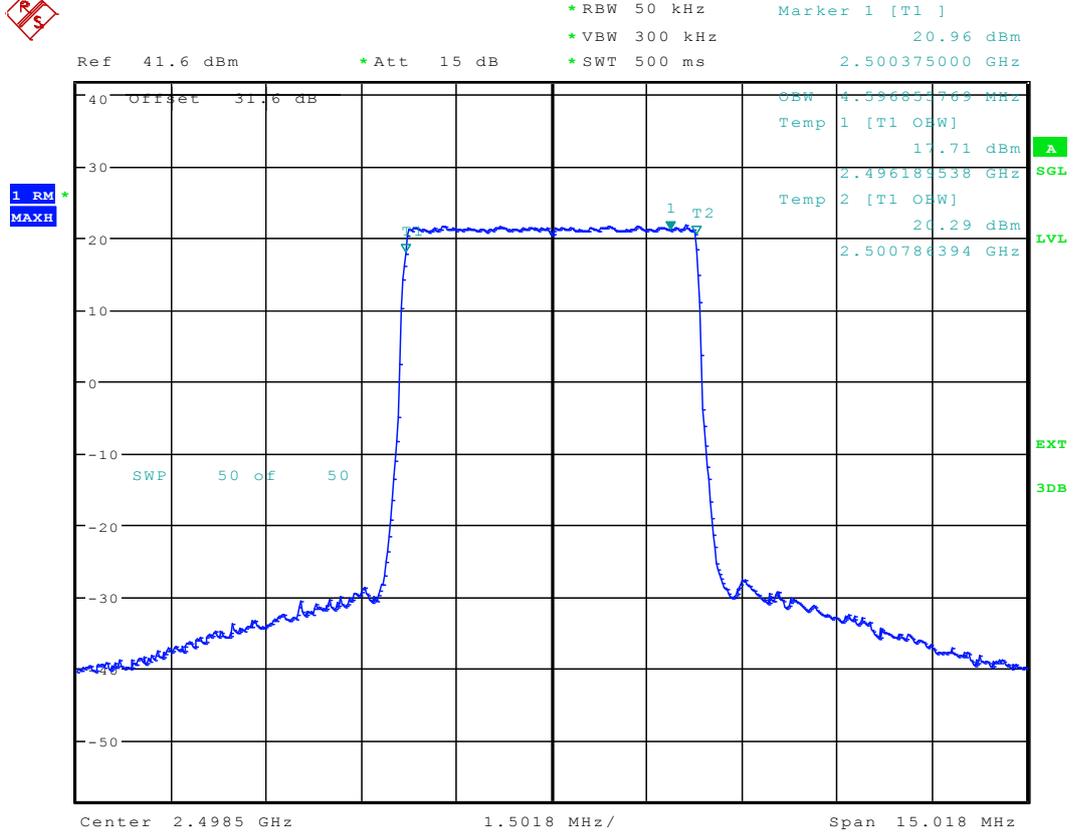


Date: 13.FEB.2009 12:31:06



TM2:

### Ch.B



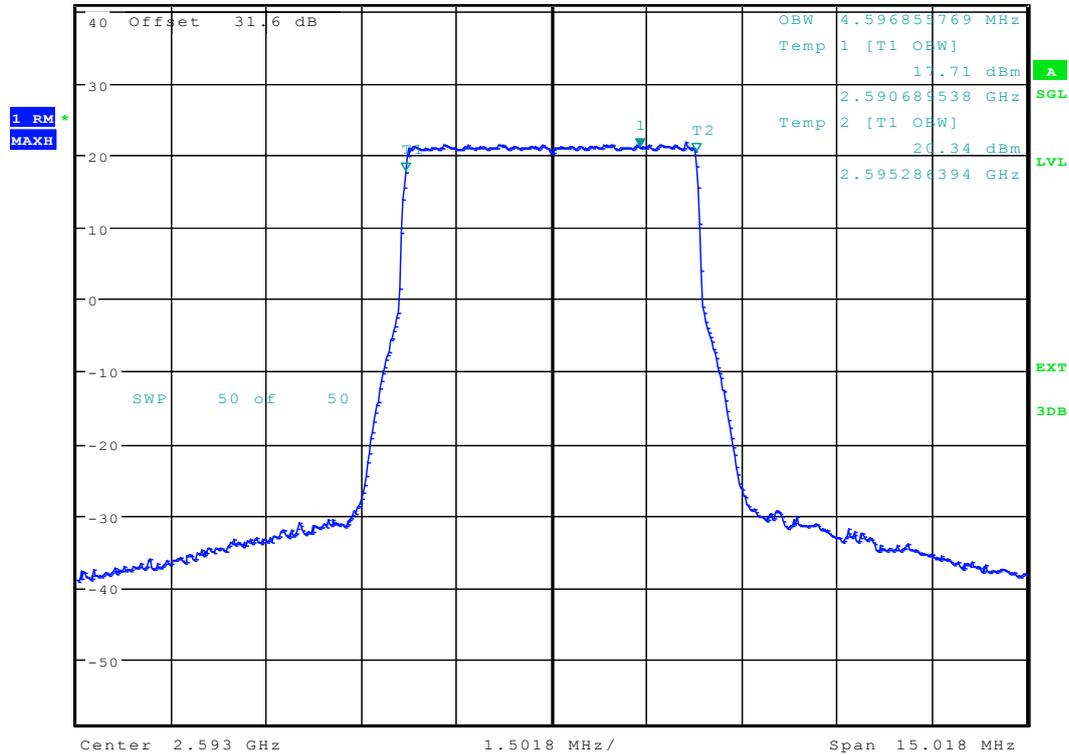
Date: 13.FEB.2009 11:56:59



# Ch.M



Ref 40.9 dBm      \*Att 15 dB      \*RBW 50 kHz      Marker 1 [T1 ]  
 \*VBW 300 kHz      21.12 dBm  
 \*SWT 500 ms      2.594394231 GHz



Date: 13.FEB.2009 11:48:01

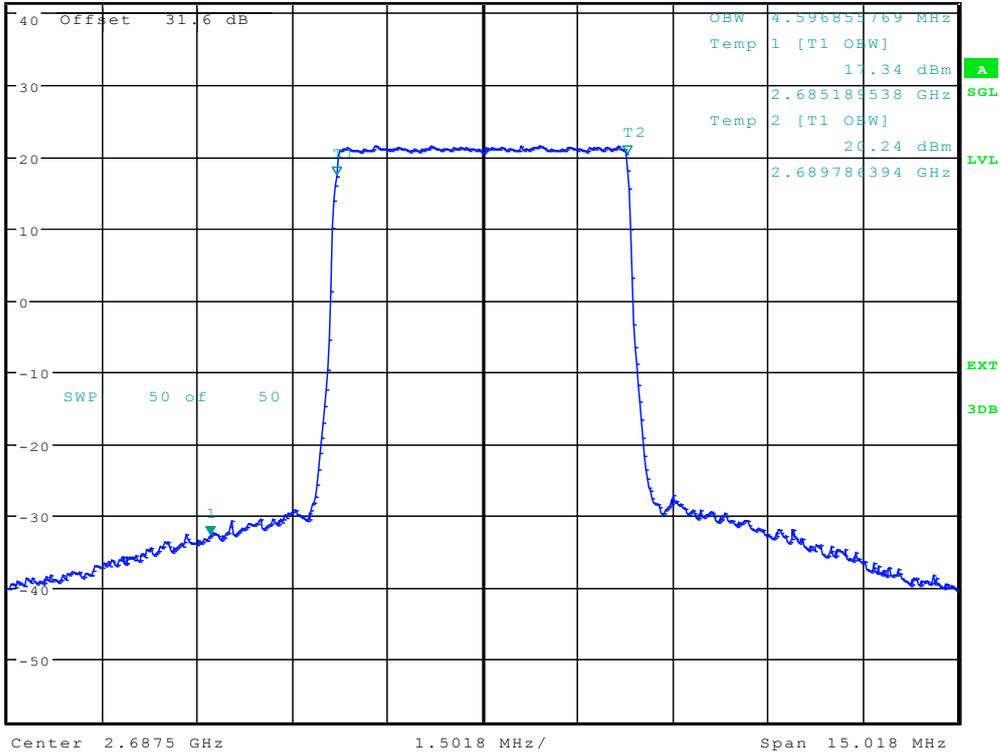


# Ch.T



Ref 41.3 dBm \*Att 15 dB \*RBW 50 kHz Marker 1 [T1 ]  
 \*VBW 300 kHz -32.77 dBm  
 \*SWT 500 ms 2.683189103 GHz

1 RM \*  
 MAXH

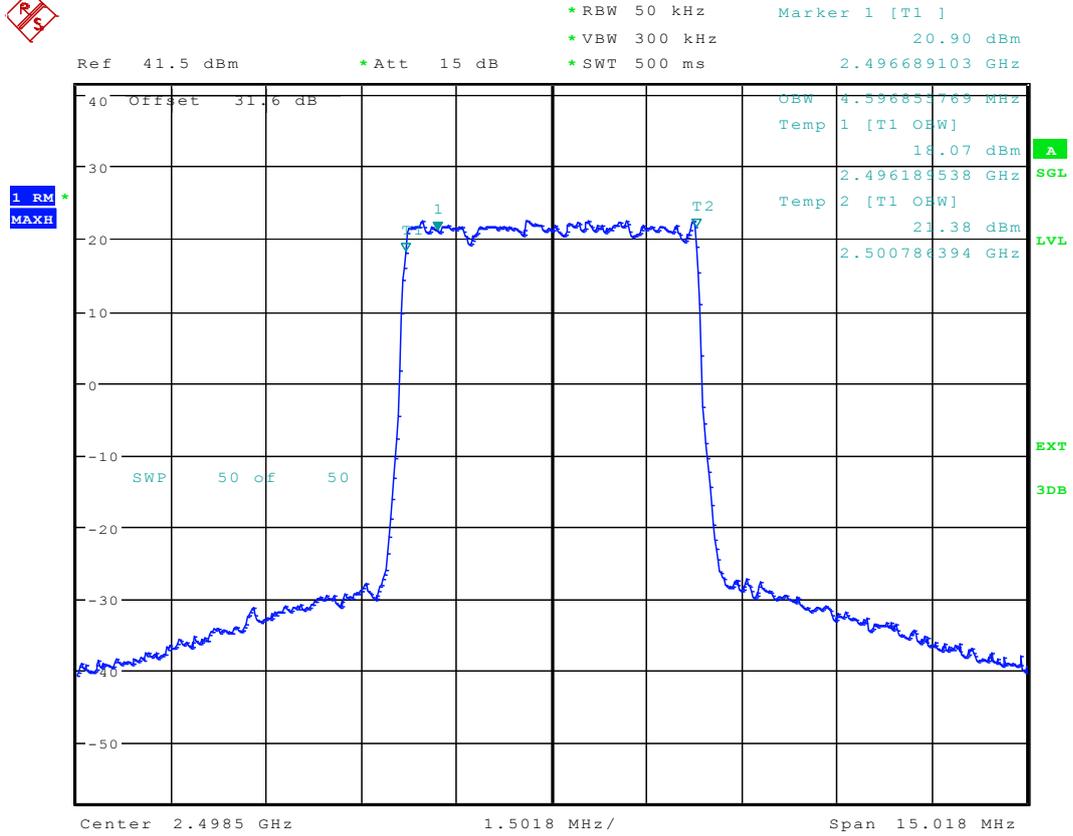


Date: 13.FEB.2009 12:30:17



TM3:

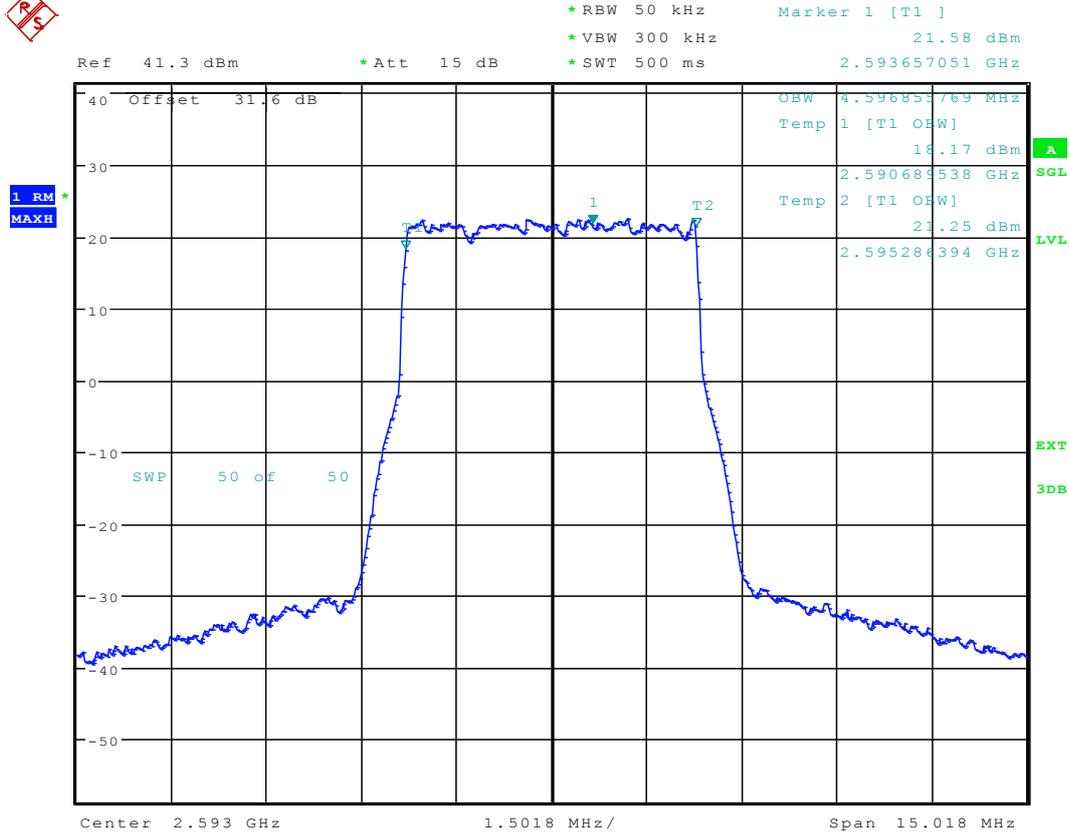
### Ch.B



Date: 13.FEB.2009 11:59:43



# Ch.M



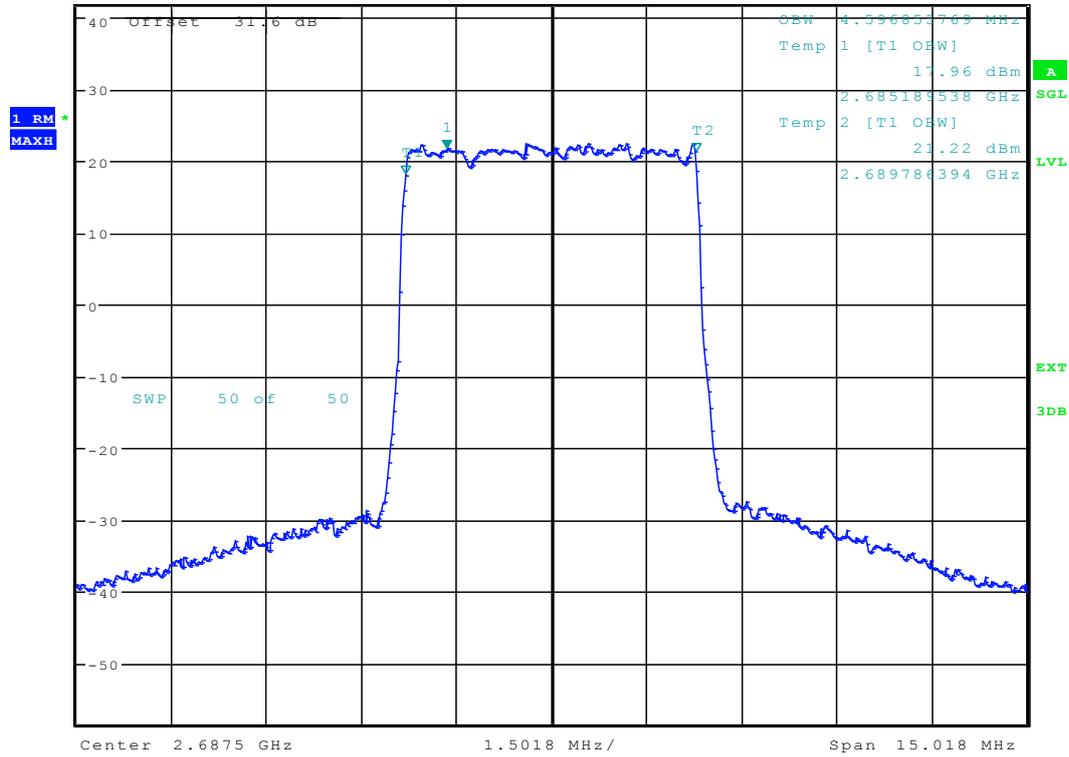
Date: 13.FEB.2009 11:47:12



# Ch.T



Ref 41.6 dBm      \*Att 15 dB      \*RBW 50 kHz      Marker 1 [T1]      21.57 dBm  
 \*VBW 300 kHz      2.685189538 GHz  
 \*SWT 500 ms      2.685833333 GHz

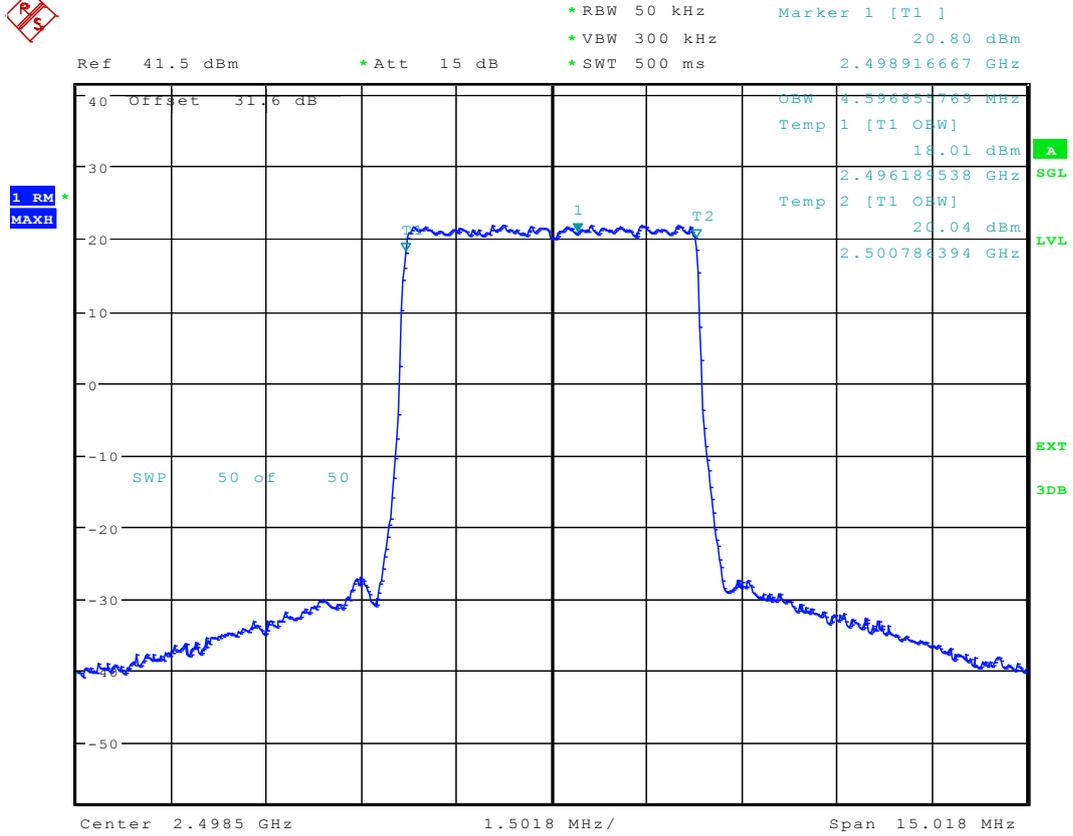


Date: 13.FEB.2009 12:29:25



TM4:

### Ch.B



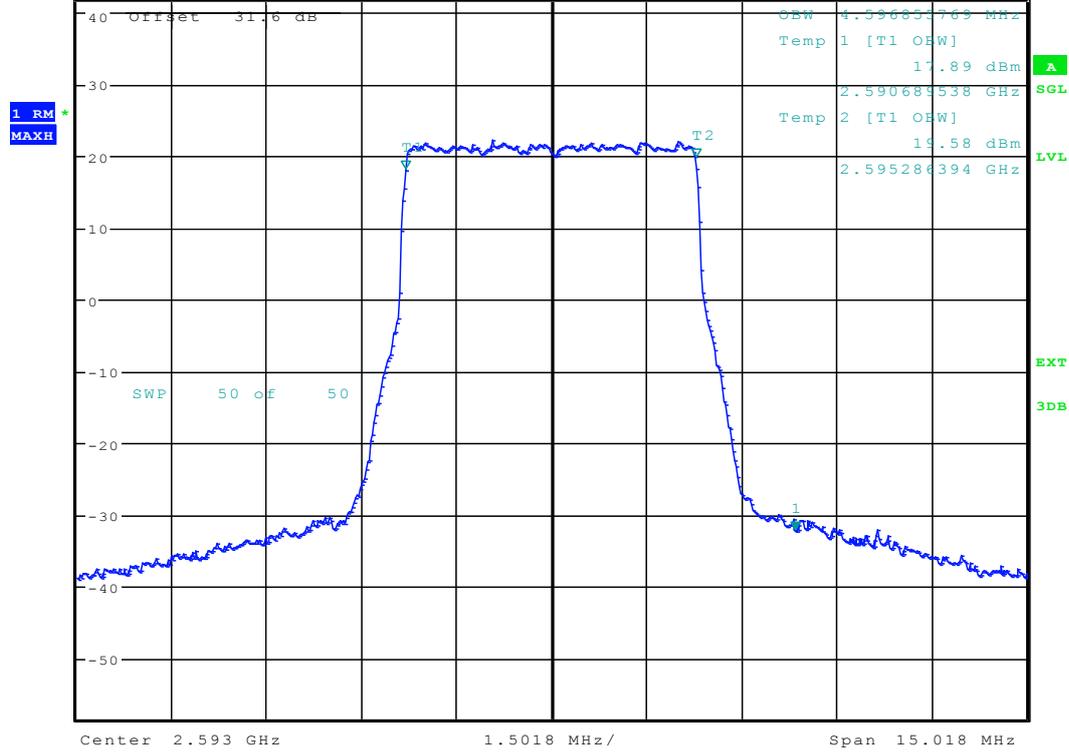
Date: 13.FEB.2009 12:01:47



# Ch.M



Ref 41.6 dBm \*Att 15 dB \*RBW 50 kHz Marker 1 [T1 ]  
 \*VBW 300 kHz -32.28 dBm  
 \*SWT 500 ms 2.596846154 GHz



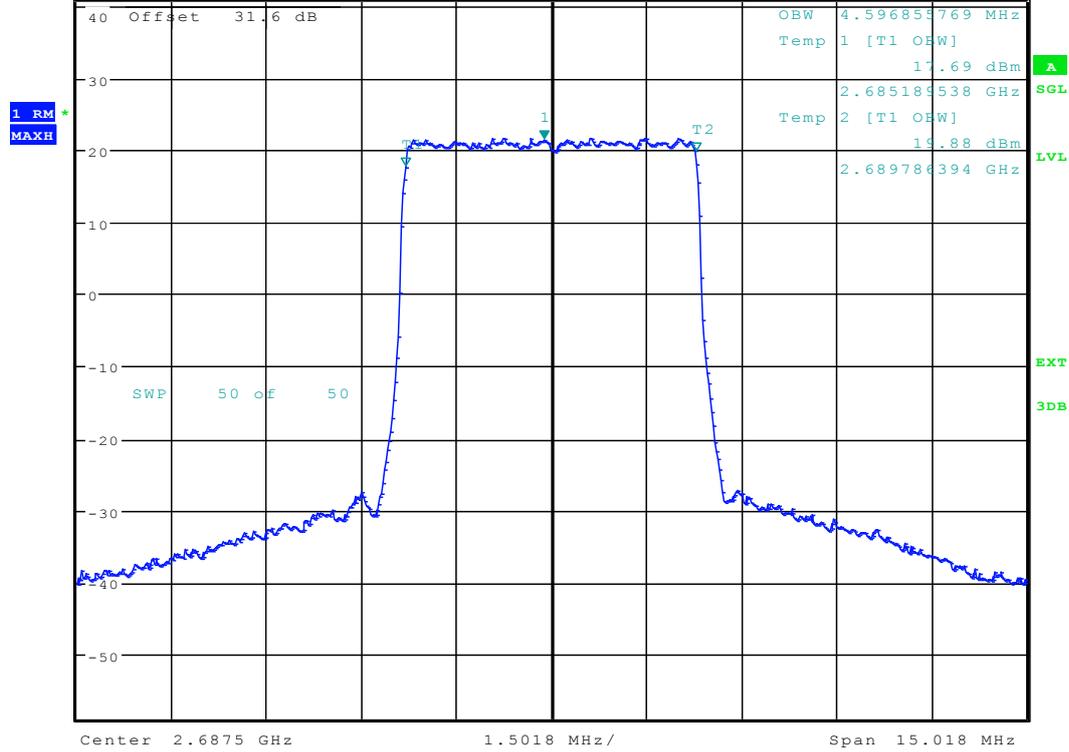
Date: 13.FEB.2009 11:45:16



# Ch.T



Ref 40.9 dBm      \*Att 15 dB      \*RBW 50 kHz      Marker 1 [T1 ]  
 \*VBW 300 kHz      21.41 dBm  
 \*SWT 500 ms      2.687371795 GHz

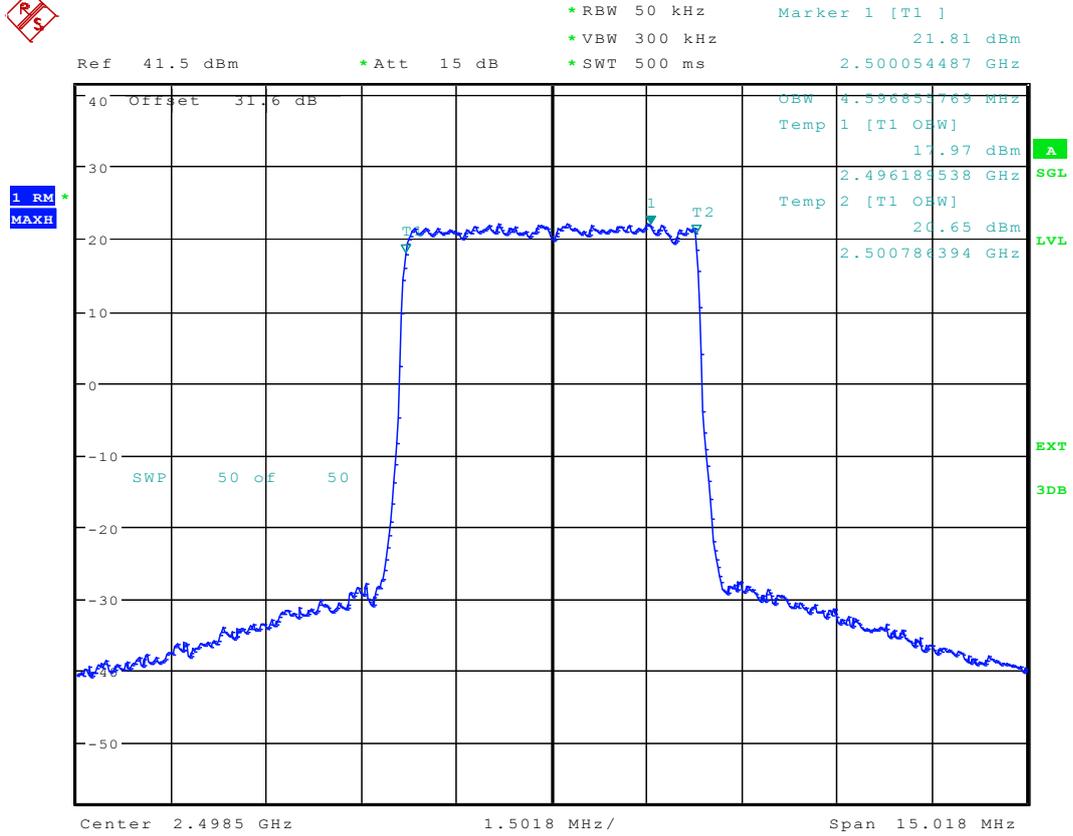


Date: 13.FEB.2009 12:28:24



TM5:

Ch.B



Date: 13.FEB.2009 12:03:47



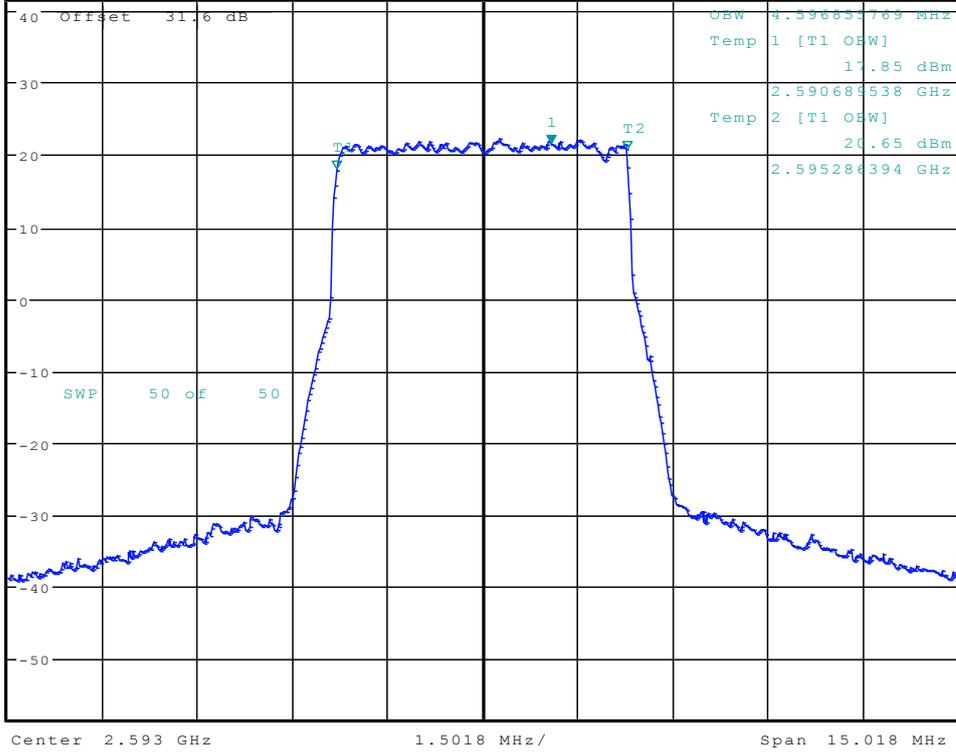
# Ch.M



1 RM \*  
 MAXH

\*RBW 50 kHz      Marker 1 [T1 ]  
 \*VBW 300 kHz      21.54 dBm  
 \*SWT 500 ms      2.594073718 GHz

Ref 41.5 dBm      \*Att 15 dB



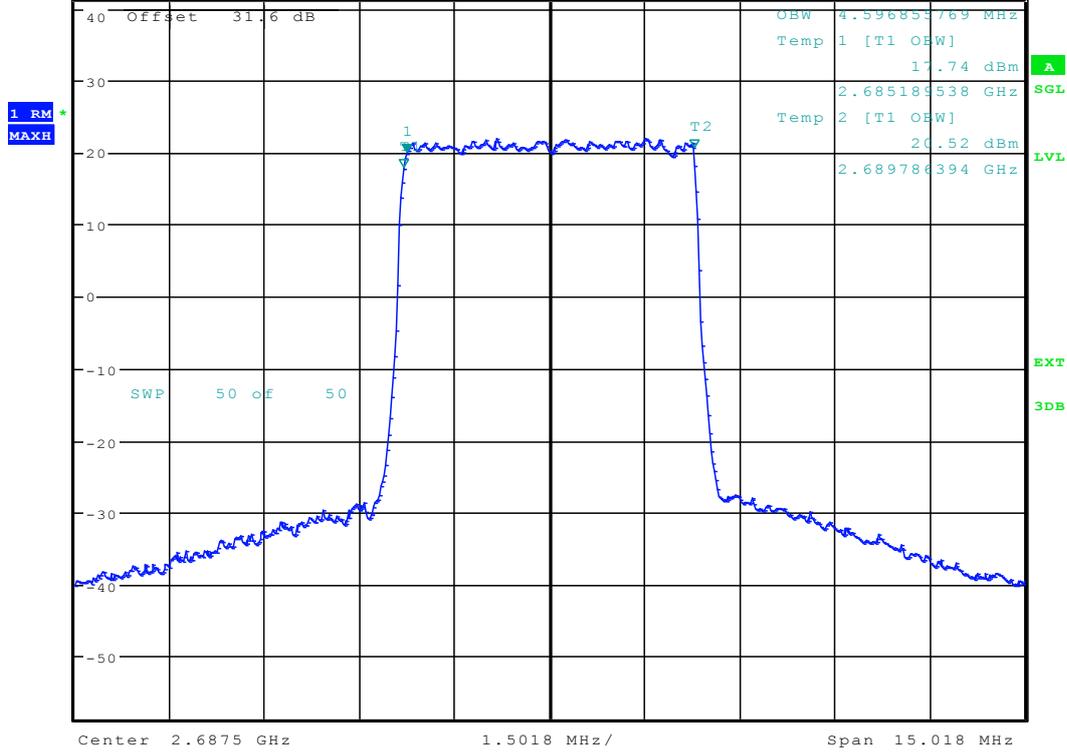
Date: 13.FEB.2009 11:43:58



# Ch.T



Ref 41.2 dBm \*Att 15 dB \*RBW 50 kHz Marker 1 [T1] 19.96 dBm  
 \*VBW 300 kHz 2.685240385 GHz  
 \*SWT 500 ms

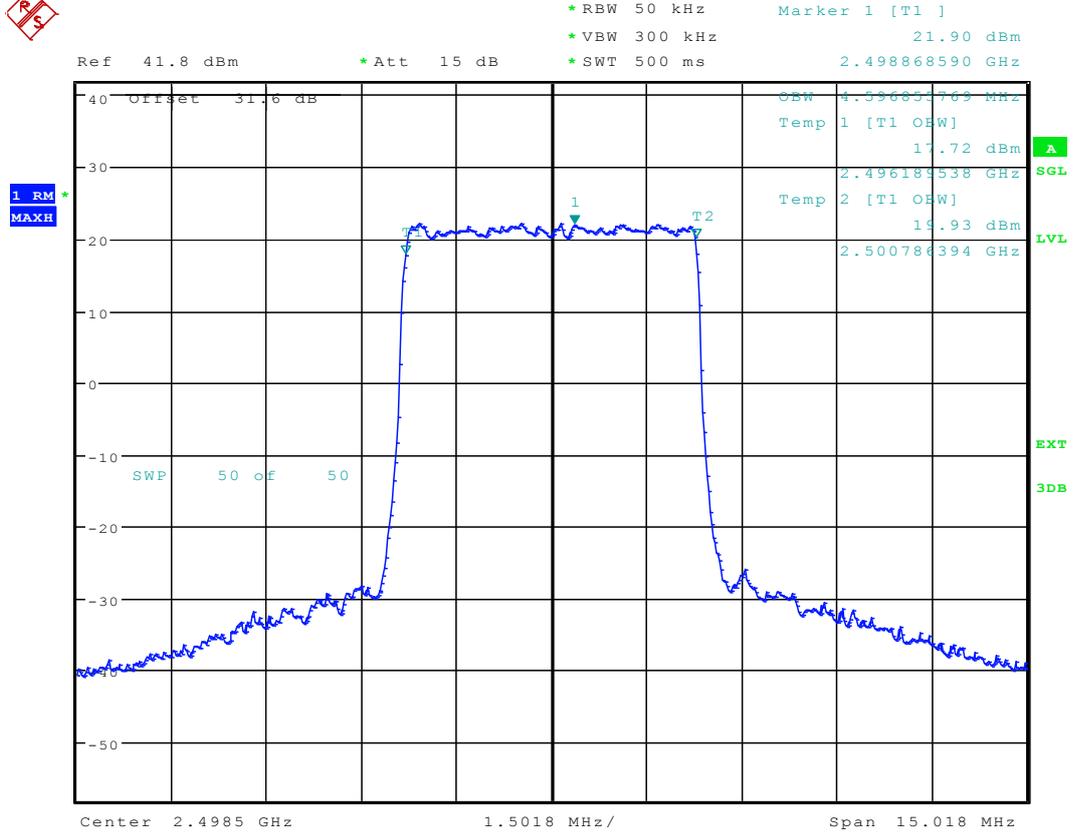


Date: 13.FEB.2009 12:22:44



TM6:

### Ch.B



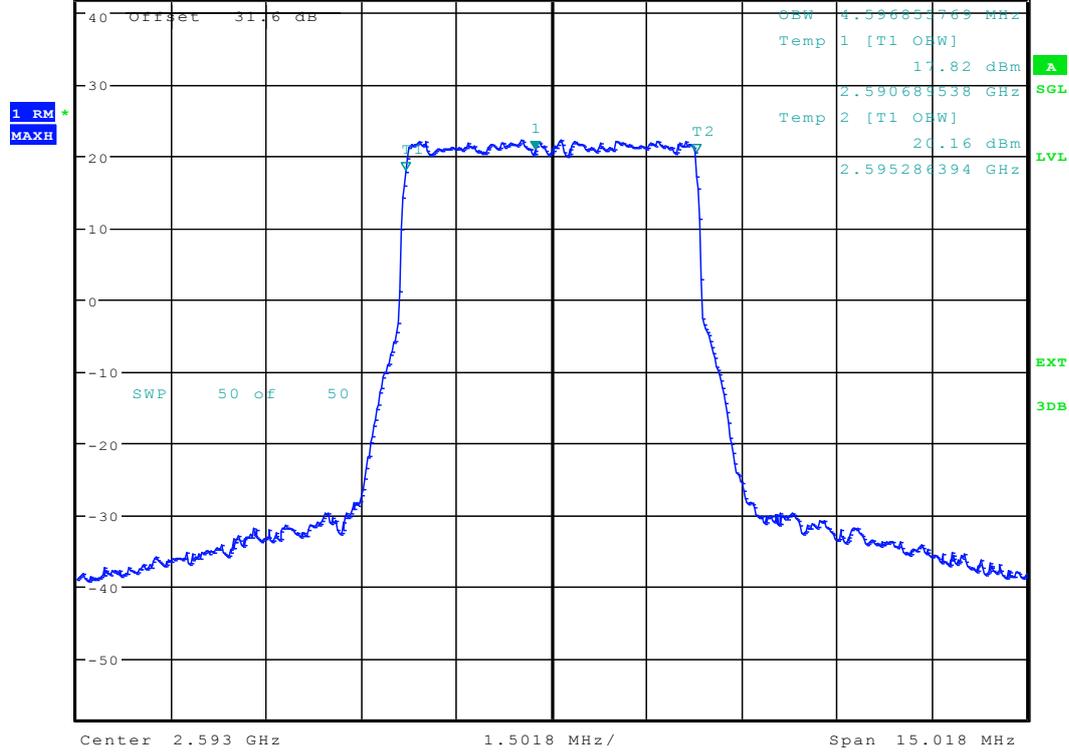
Date: 13.FEB.2009 12:05:59



# Ch.M



Ref 41.6 dBm \*Att 15 dB \*RBW 50 kHz \*VBW 300 kHz \*SWT 500 ms Marker 1 [T1 ] 20.70 dBm 2.592743590 GHz



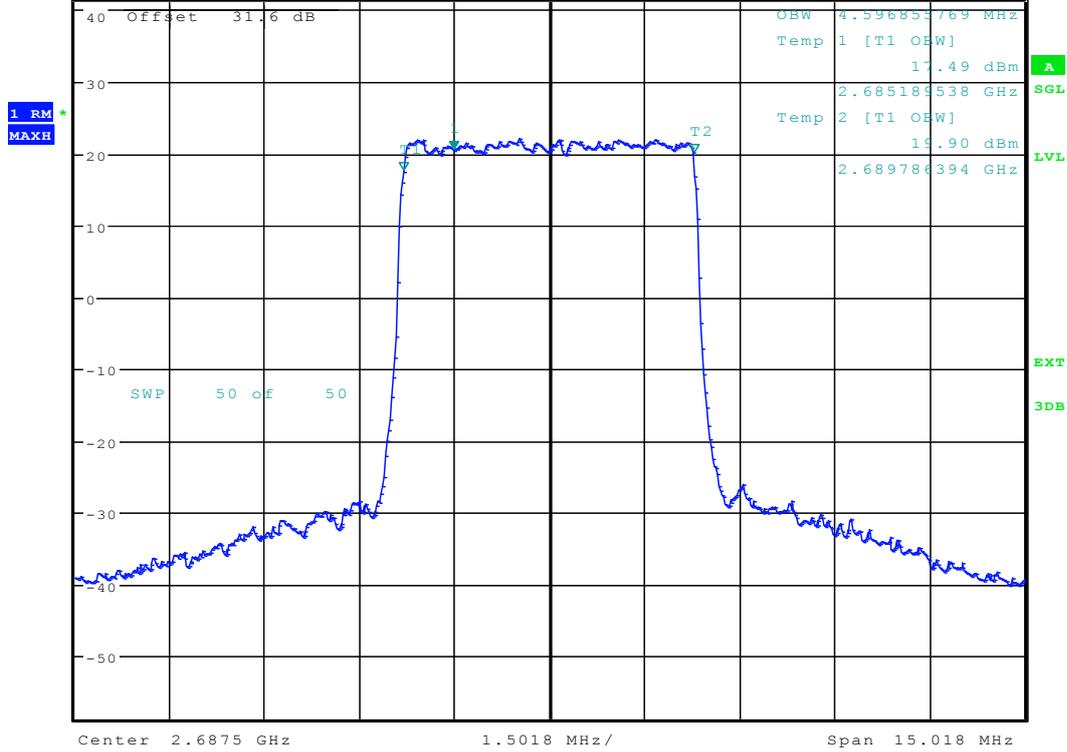
Date: 13.FEB.2009 11:43:03



# Ch.T



Ref 41.3 dBm \*Att 15 dB \*RBW 50 kHz \*VBW 300 kHz \*SWT 500 ms Marker 1 [T1 ] 20.44 dBm 2.685977564 GHz

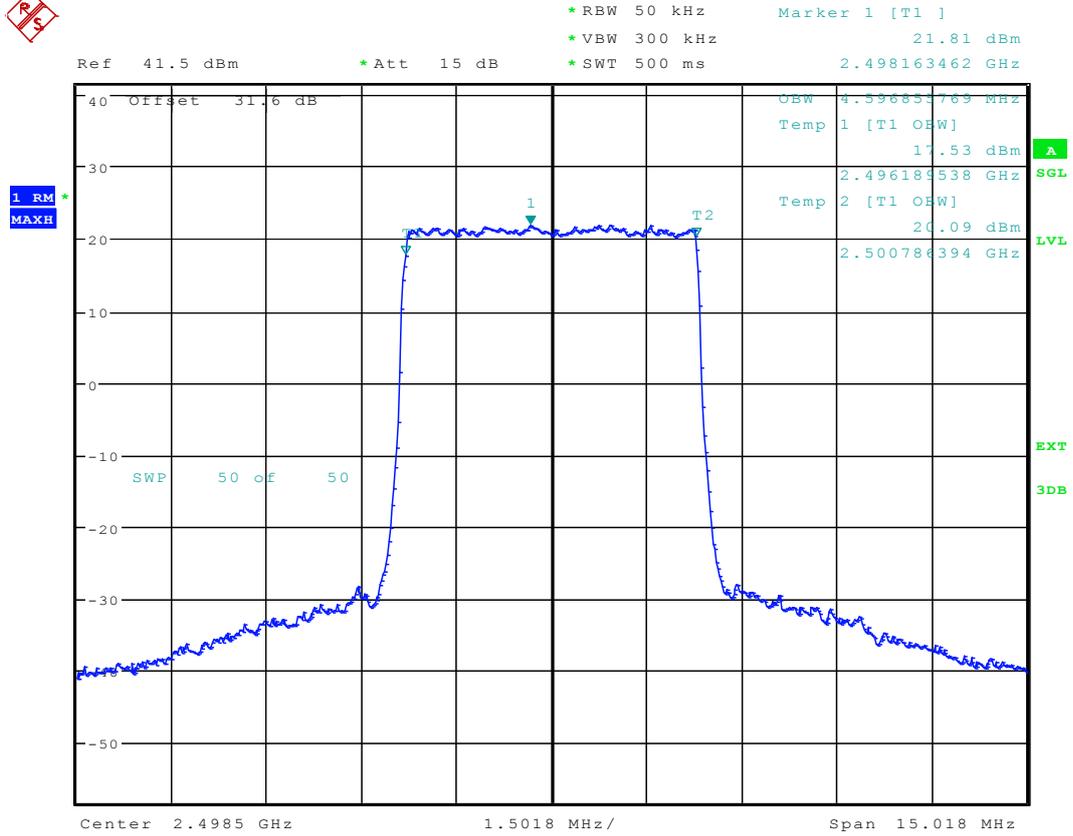


Date: 13.FEB.2009 12:21:52



TM7:

### Ch.B



Date: 13.FEB.2009 12:08:46



# Ch.M

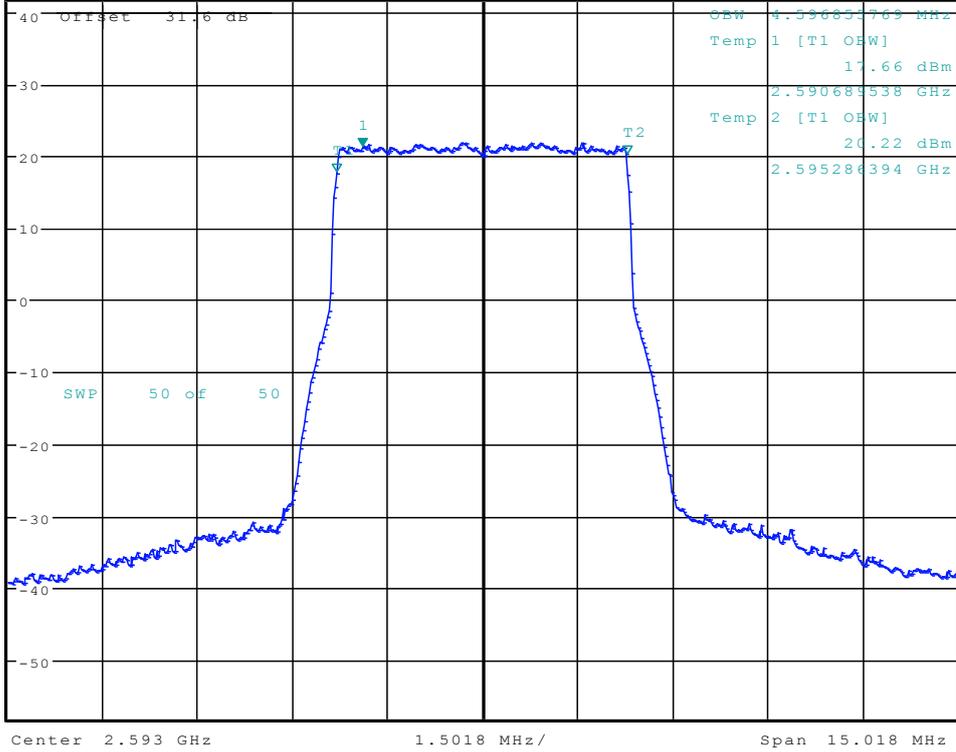


1 RM \*  
 MAXH

\*RBW 50 kHz  
 \*VBW 300 kHz  
 \*SWT 500 ms

Marker 1 [T1 ]  
 21.14 dBm  
 2.591108974 GHz

Ref 41.7 dBm \*Att 15 dB



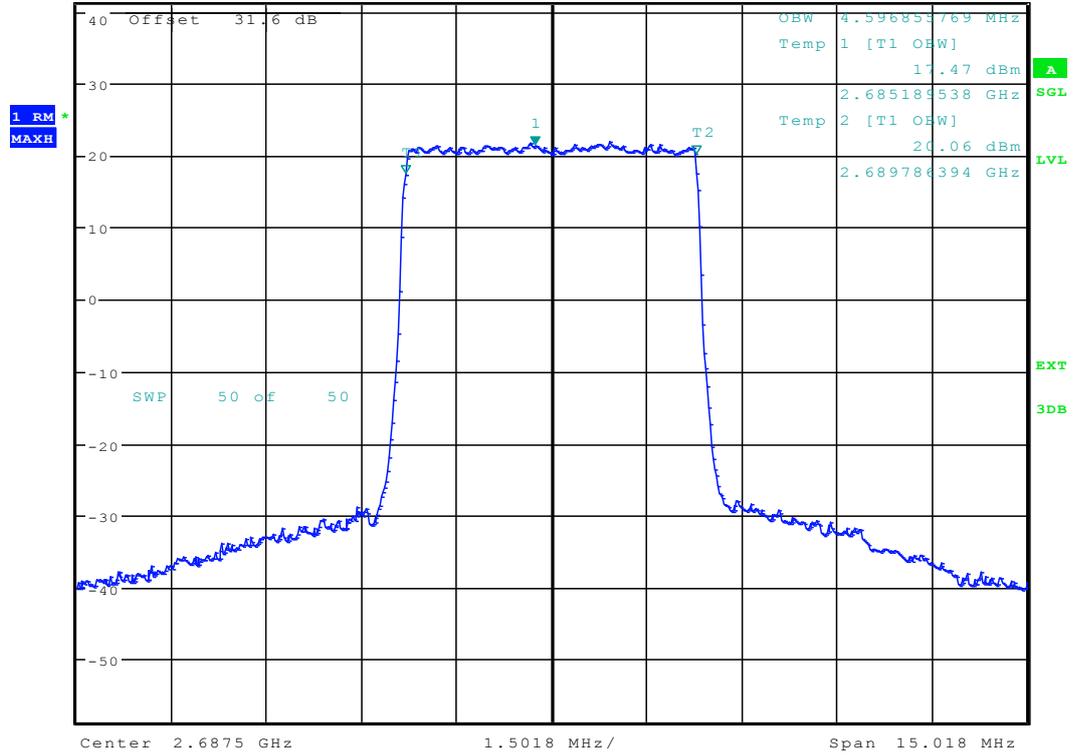
Date: 13.FEB.2009 11:42:04



# Ch.T



Ref 41.2 dBm \*Att 15 dB \*RBW 50 kHz Marker 1 [T1 ]  
 \*VBW 300 kHz 21.34 dBm  
 \*SWT 500 ms 2.687243590 GHz

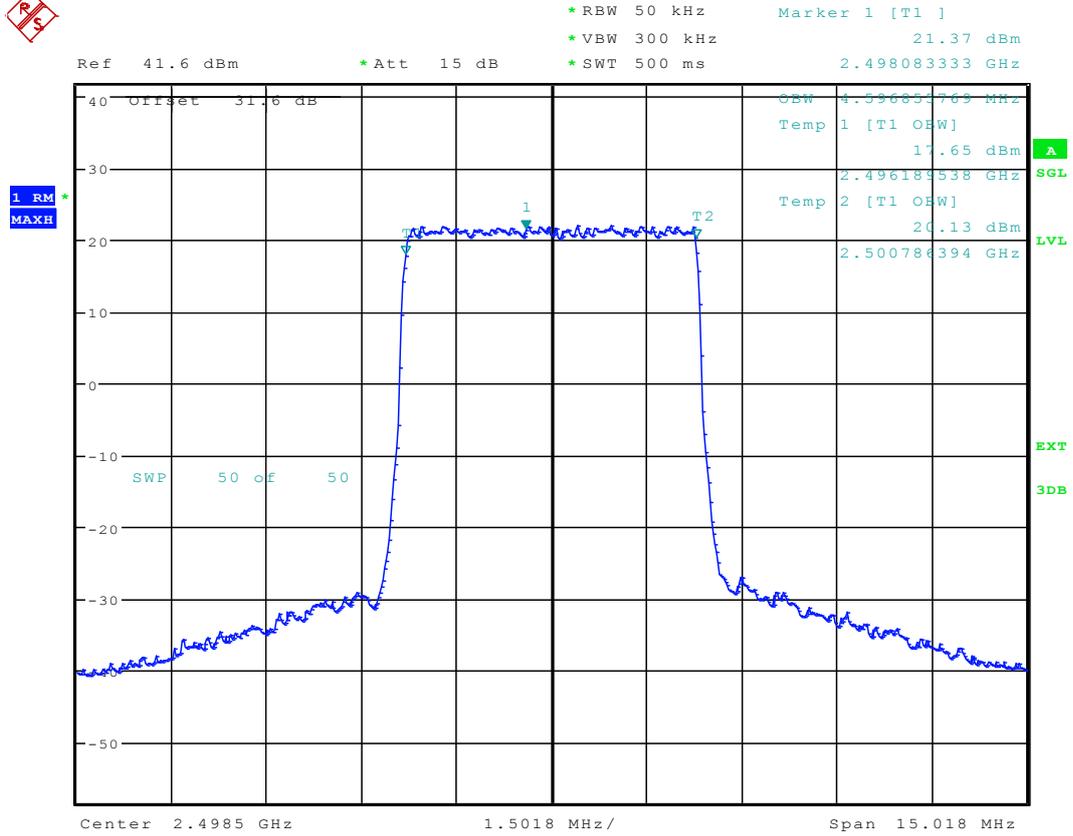


Date: 13.FEB.2009 12:20:22



TM8:

### Ch.B



Date: 13.FEB.2009 12:12:23



# Ch.M

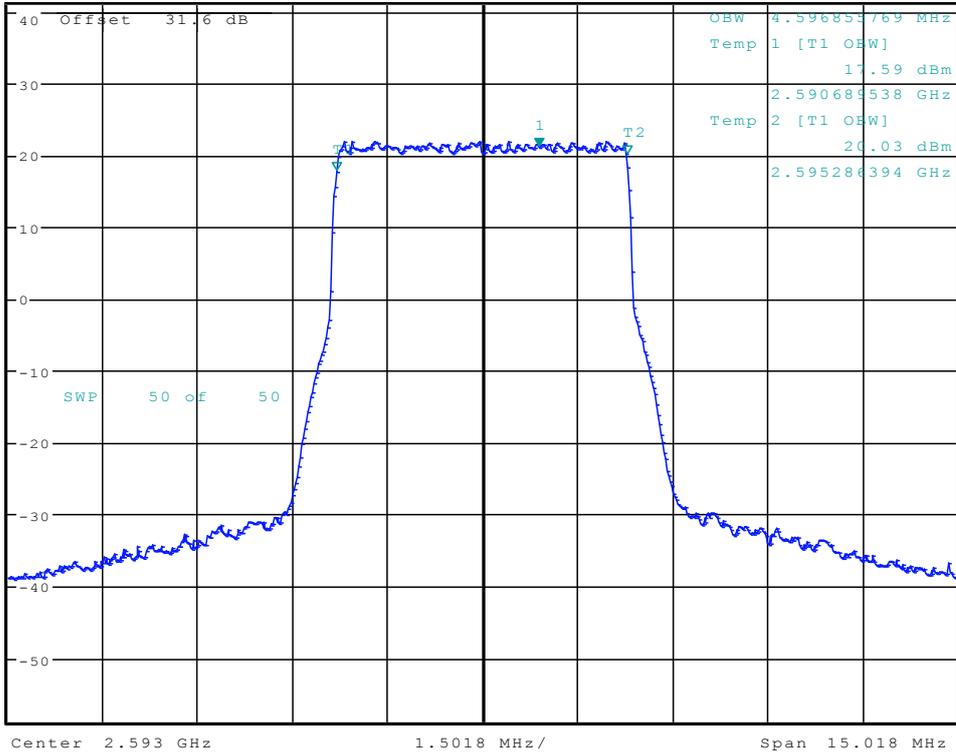


1 RM \*  
MAXH

\*RBW 50 kHz  
 \*VBW 300 kHz  
 \*SWT 500 ms

Marker 1 [T1 ]  
 21.11 dBm  
 2.593881410 GHz

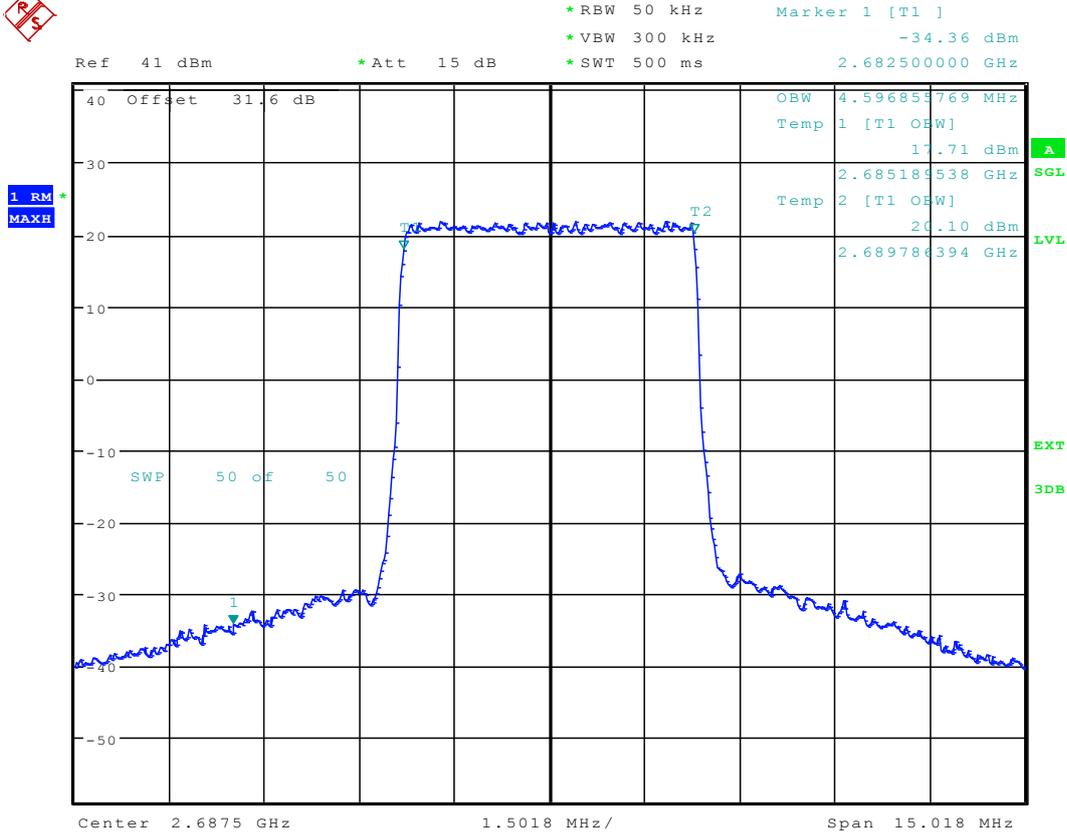
Ref 41.1 dBm \*Att 15 dB



Date: 13.FEB.2009 11:39:31



# Ch.T

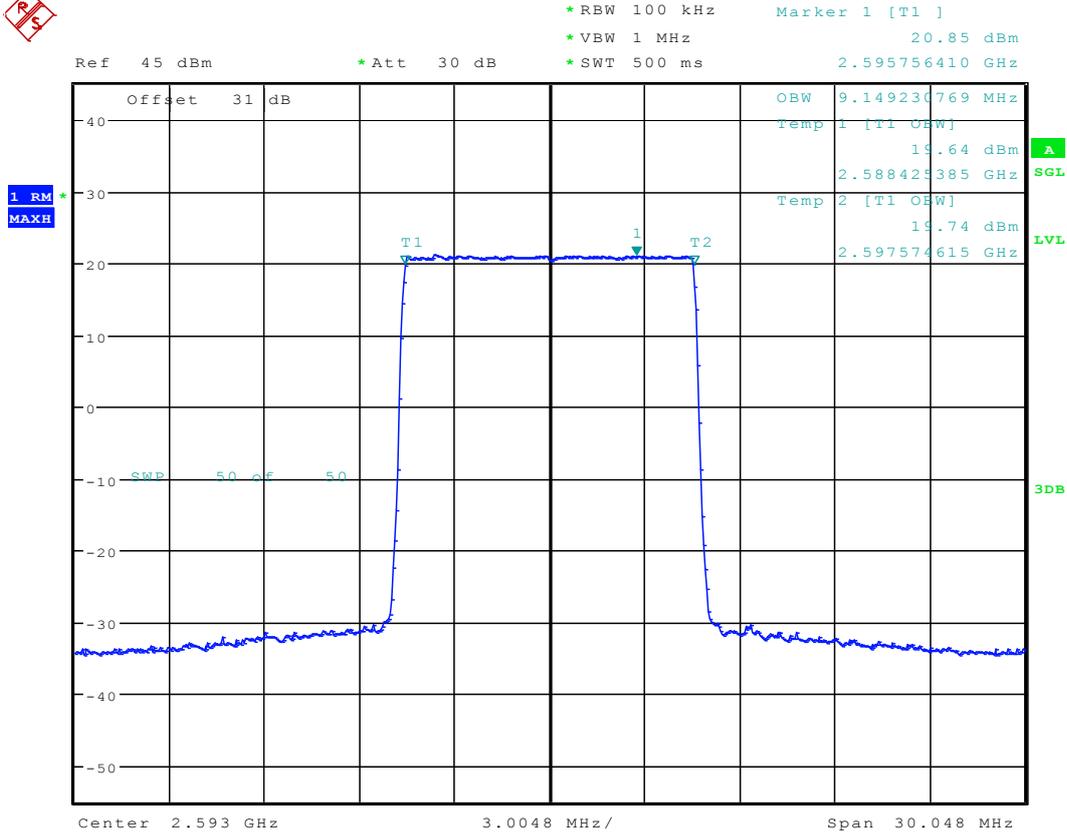


Date: 13.FEB.2009 12:17:51





# Ch.M



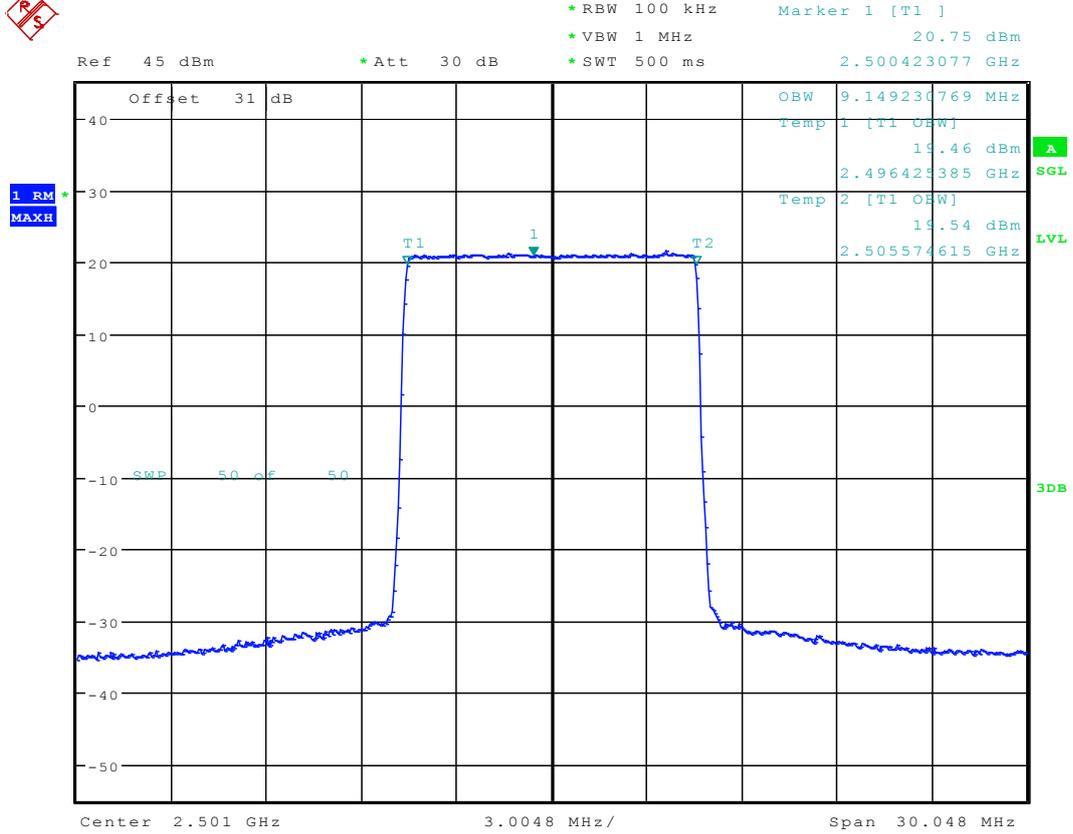
Date: 9.JAN.2009 09:59:35





TM2:

Ch.B



Date: 9.JAN.2009 08:36:06







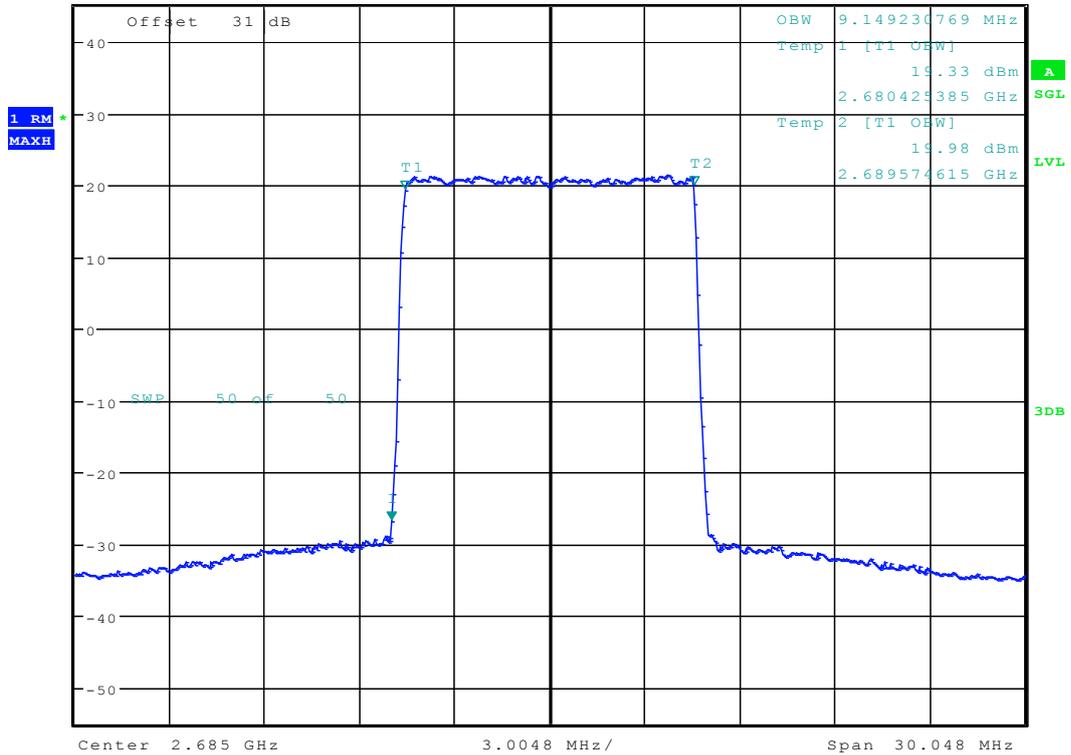




# Ch.T



Ref 45 dBm \*Att 30 dB \*RBW 100 kHz Marker 1 [T1]  
 \*VBW 1 MHz -26.83 dBm  
 \*SWT 500 ms 2.680000000 GHz



Date: 9.JAN.2009 11:08:50



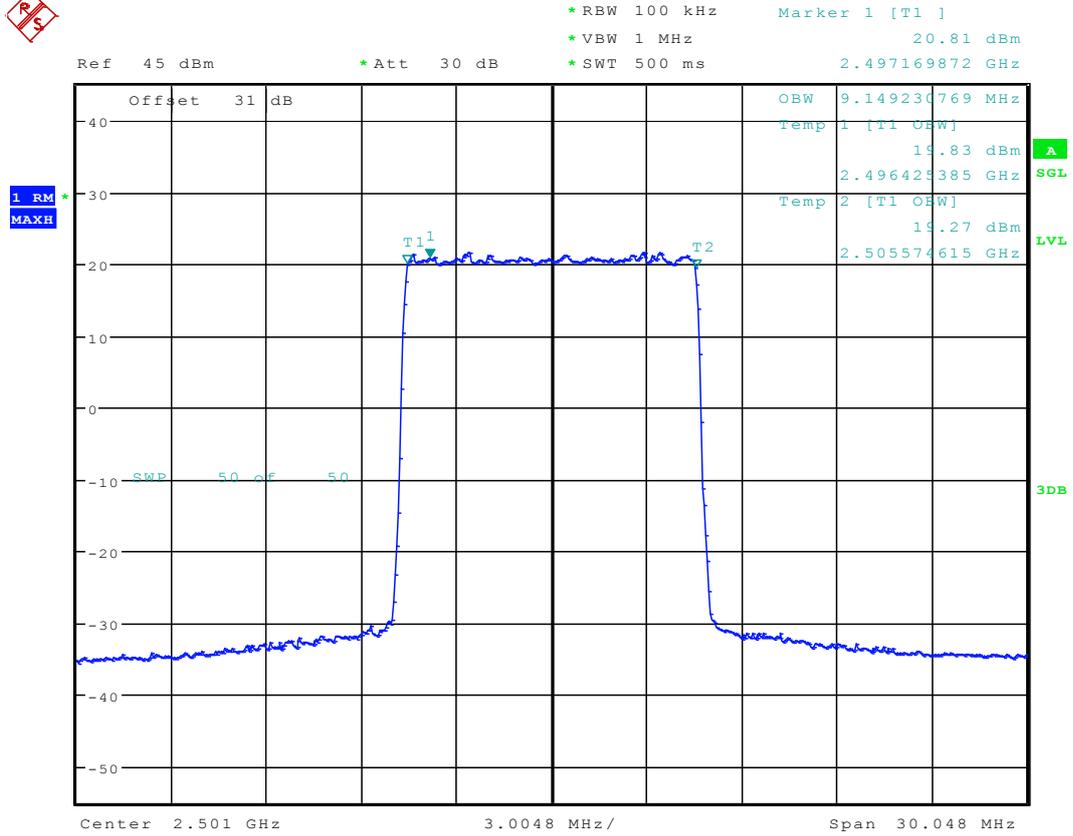






TM5:

Ch.B



Date: 9.JAN.2009 08:45:26

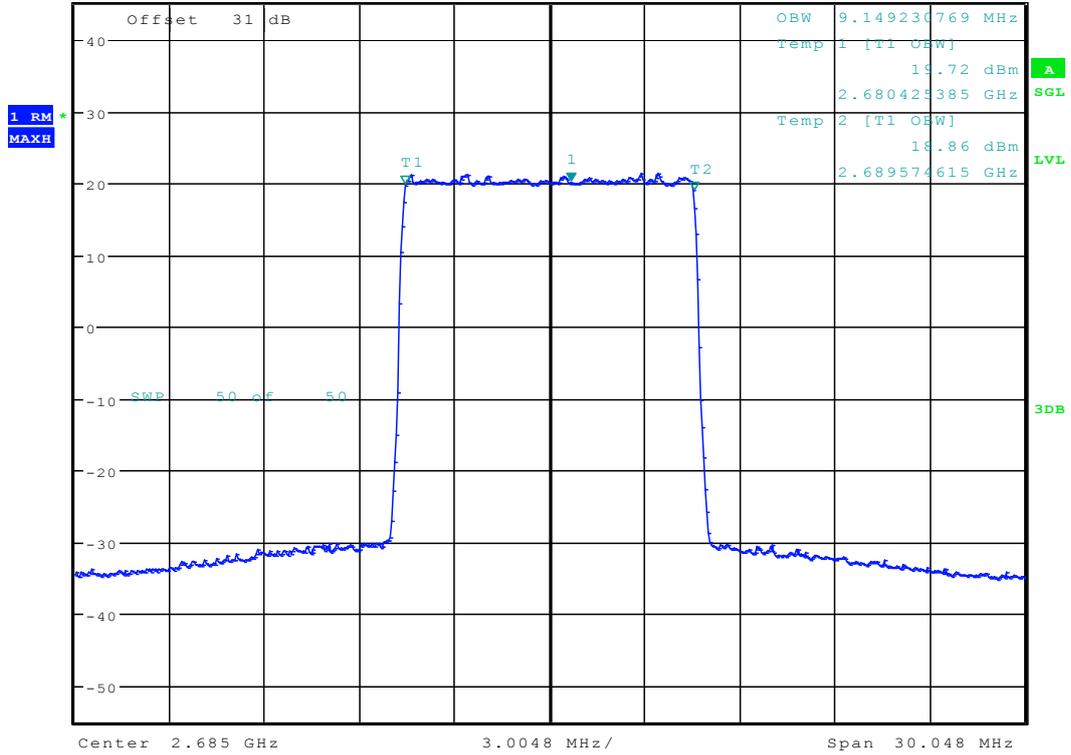




# Ch.T



Ref 45 dBm \*Att 30 dB \*RBW 100 kHz Marker 1 [T1 ]  
 \*VBW 1 MHz 20.04 dBm  
 \*SWT 500 ms 2.685673077 GHz

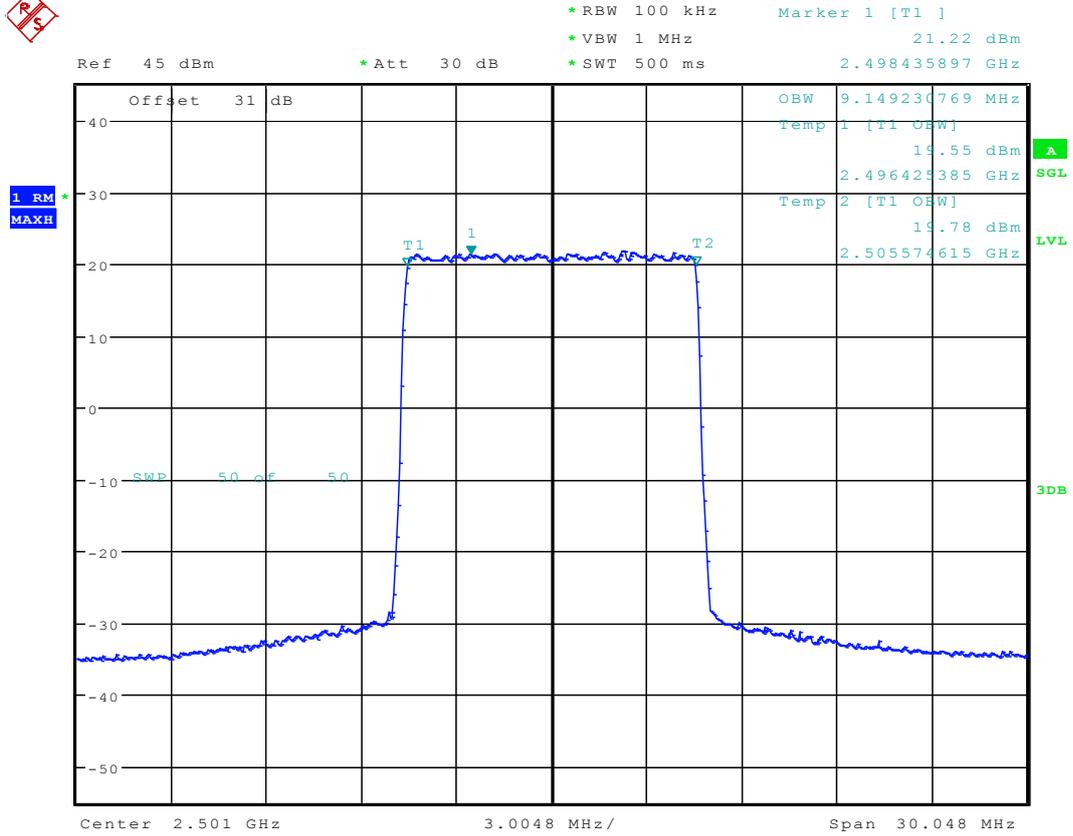


Date: 9.JAN.2009 10:20:05



TM6:

### Ch.B



Date: 9.JAN.2009 08:48:03

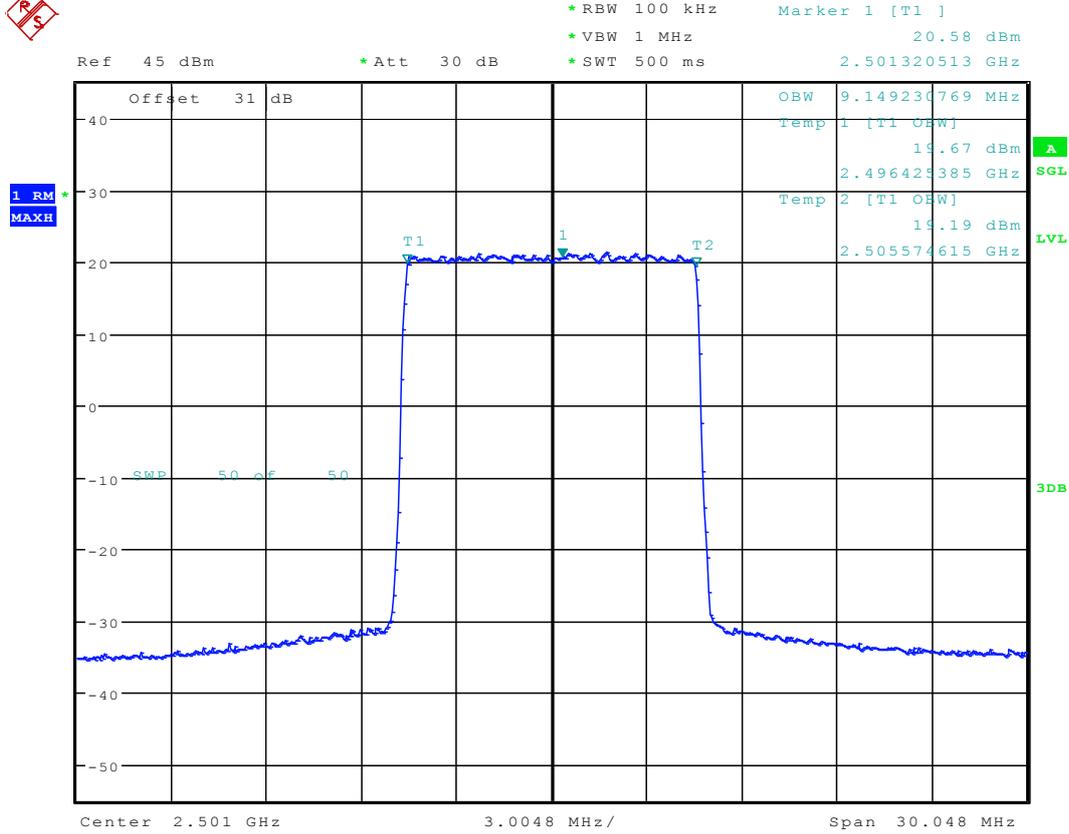






# TM7:

## Ch.B



Date: 9.JAN.2009 08:50:44

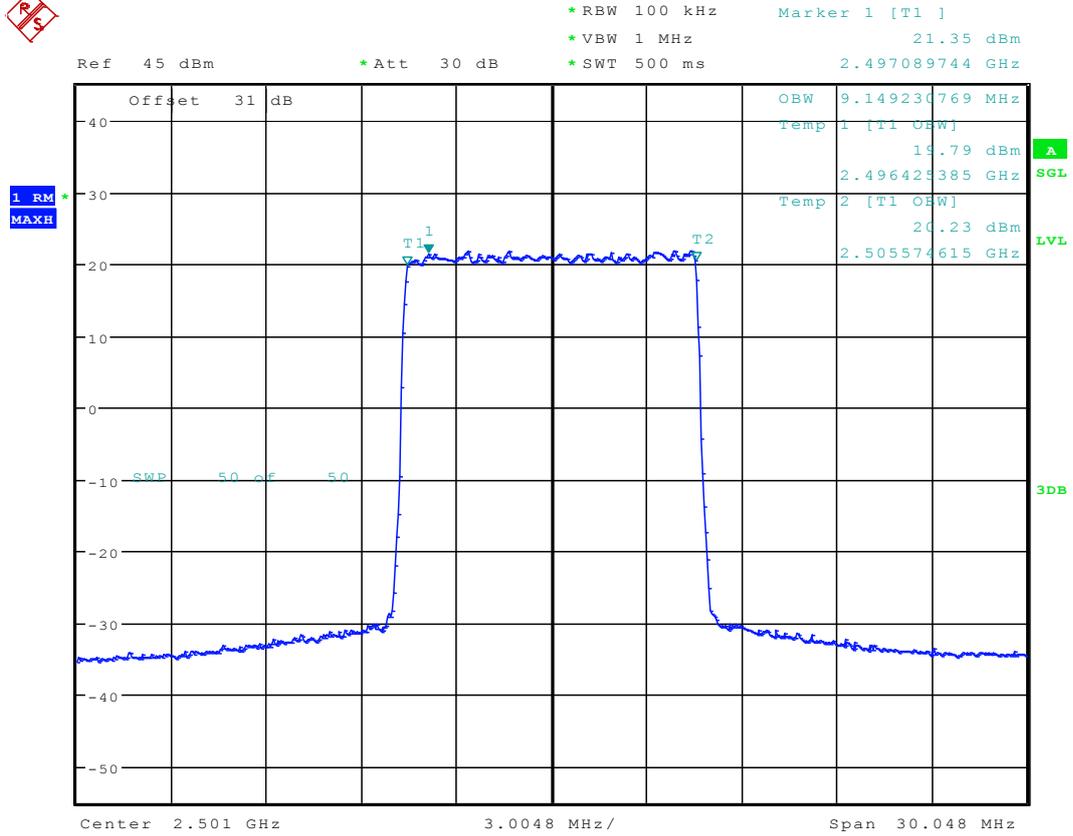






TM8:

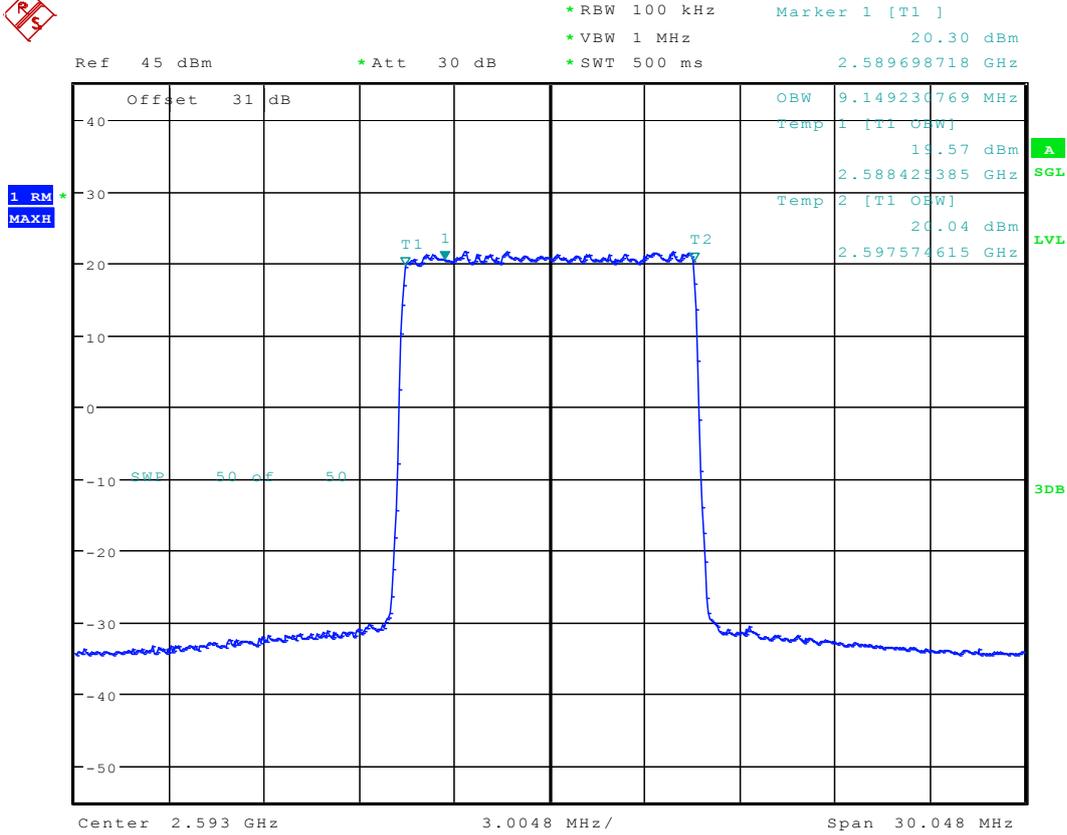
Ch.B



Date: 9.JAN.2009 08:53:29



# Ch.M



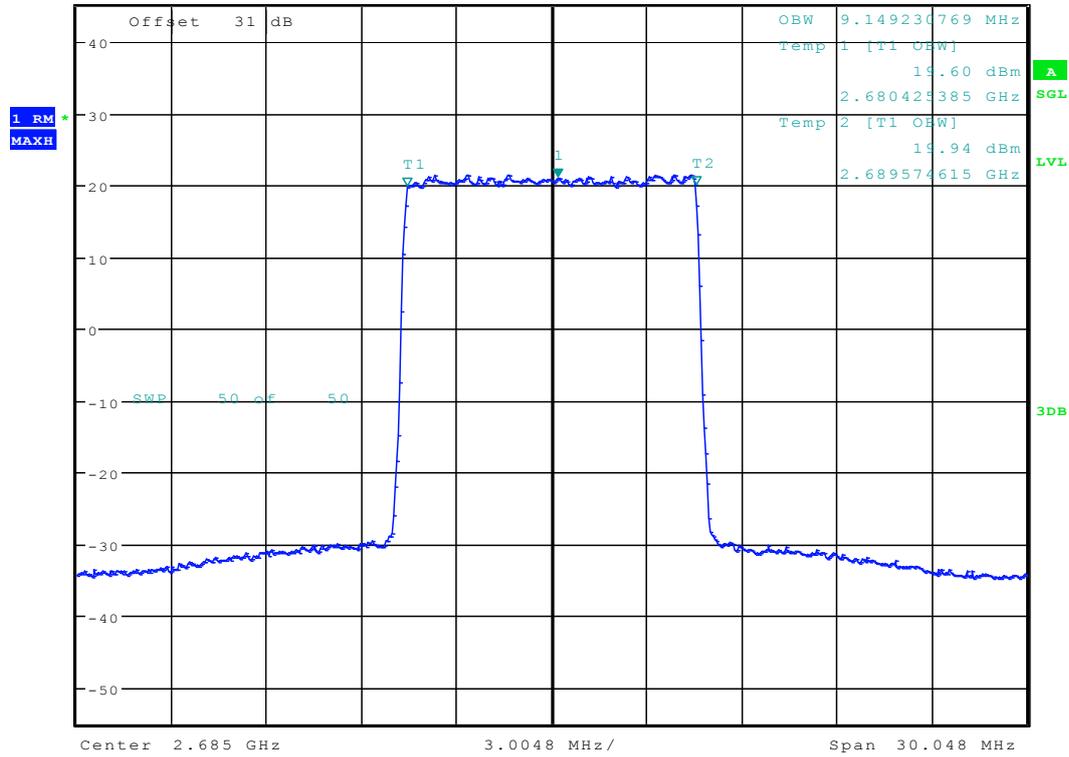
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# Ch.T



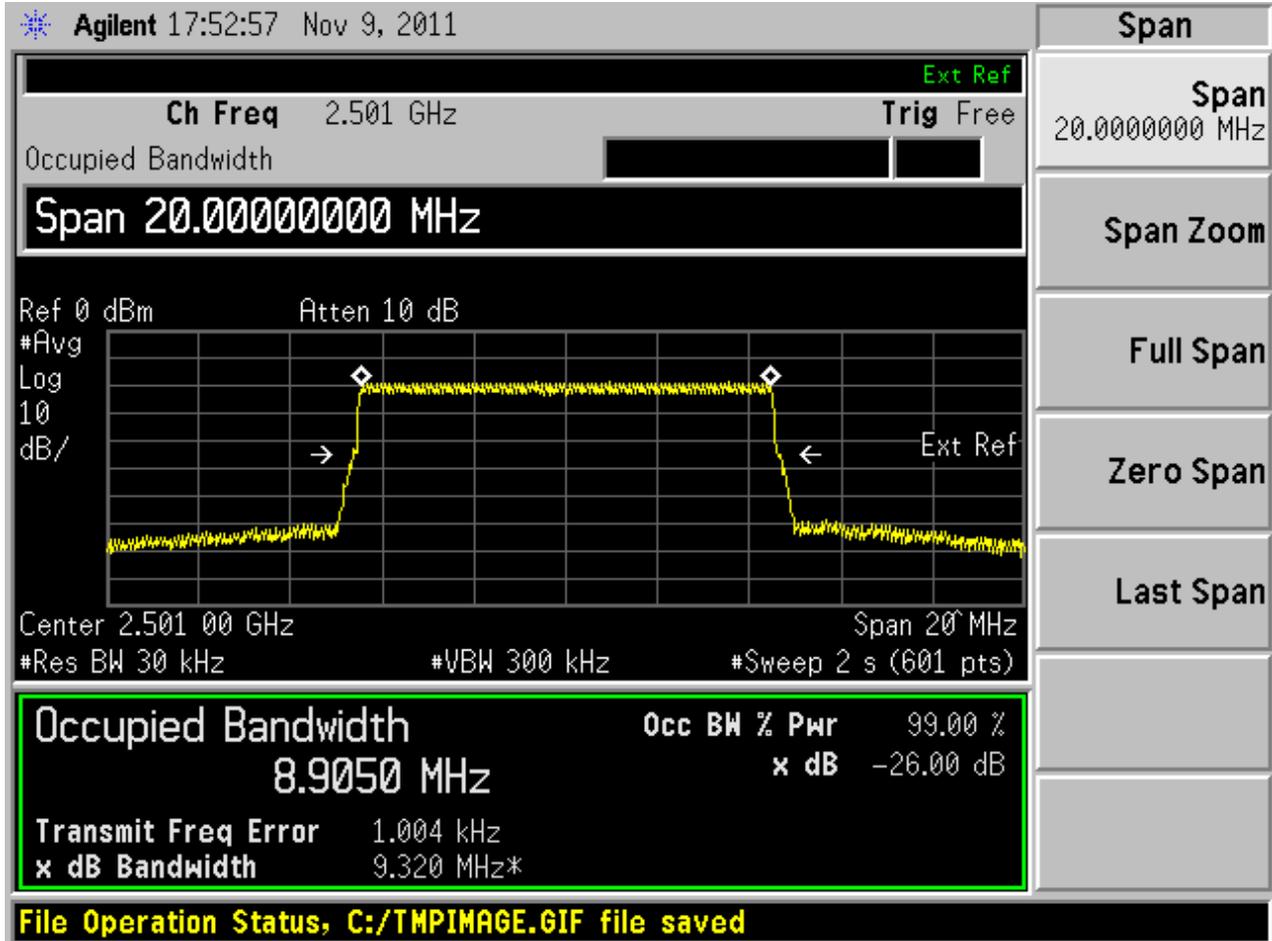
Ref 45 dBm \*Att 30 dB \*RBW 100 kHz Marker 1 [T1]  
 \*VBW 1 MHz 20.95 dBm  
 \*SWT 500 ms 2.685176282 GHz



Date: 9.JAN.2009 10:12:00

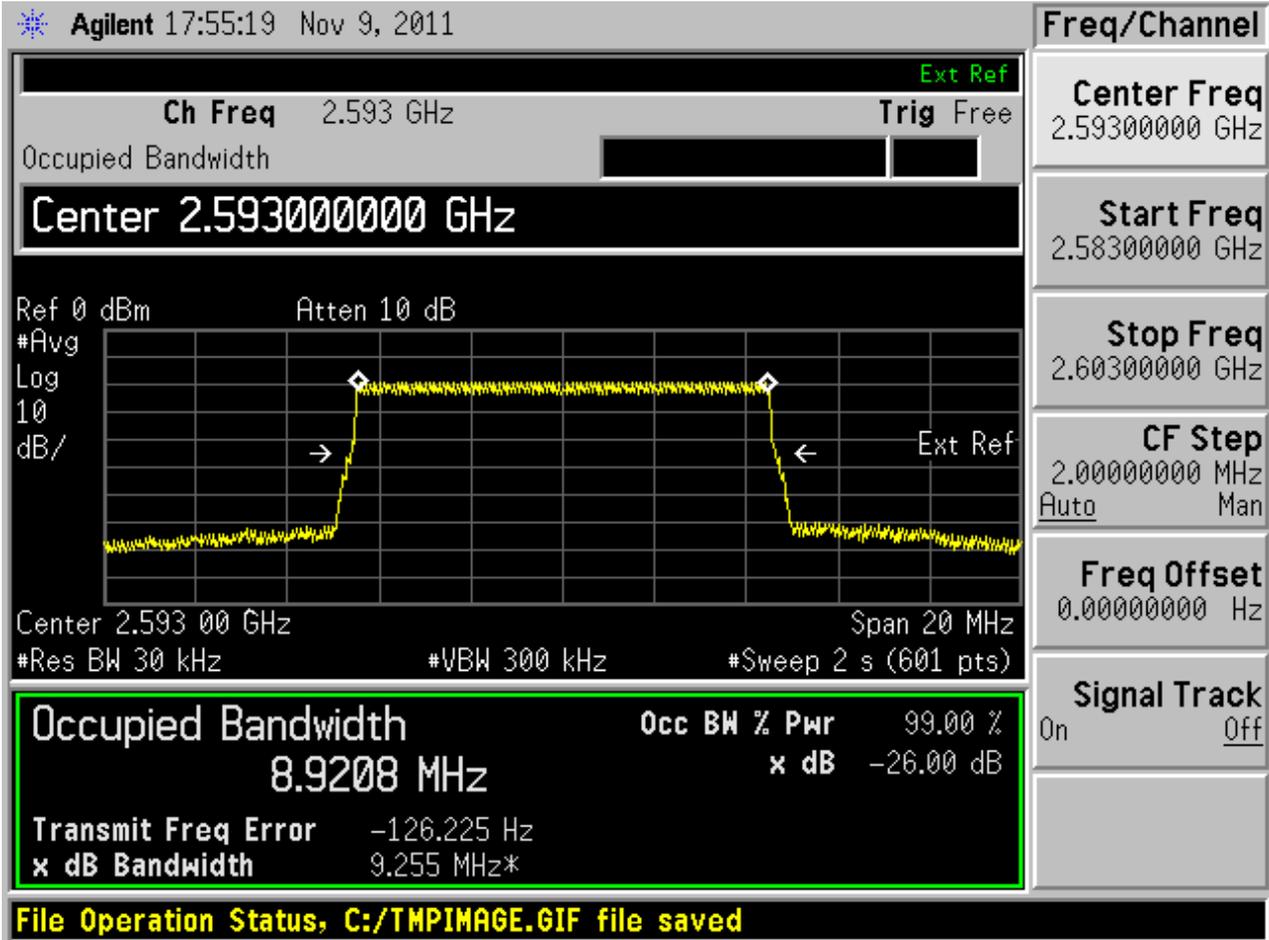
### (3) LTE, 10MHz Channel Bandwidth:

#### Ch. B



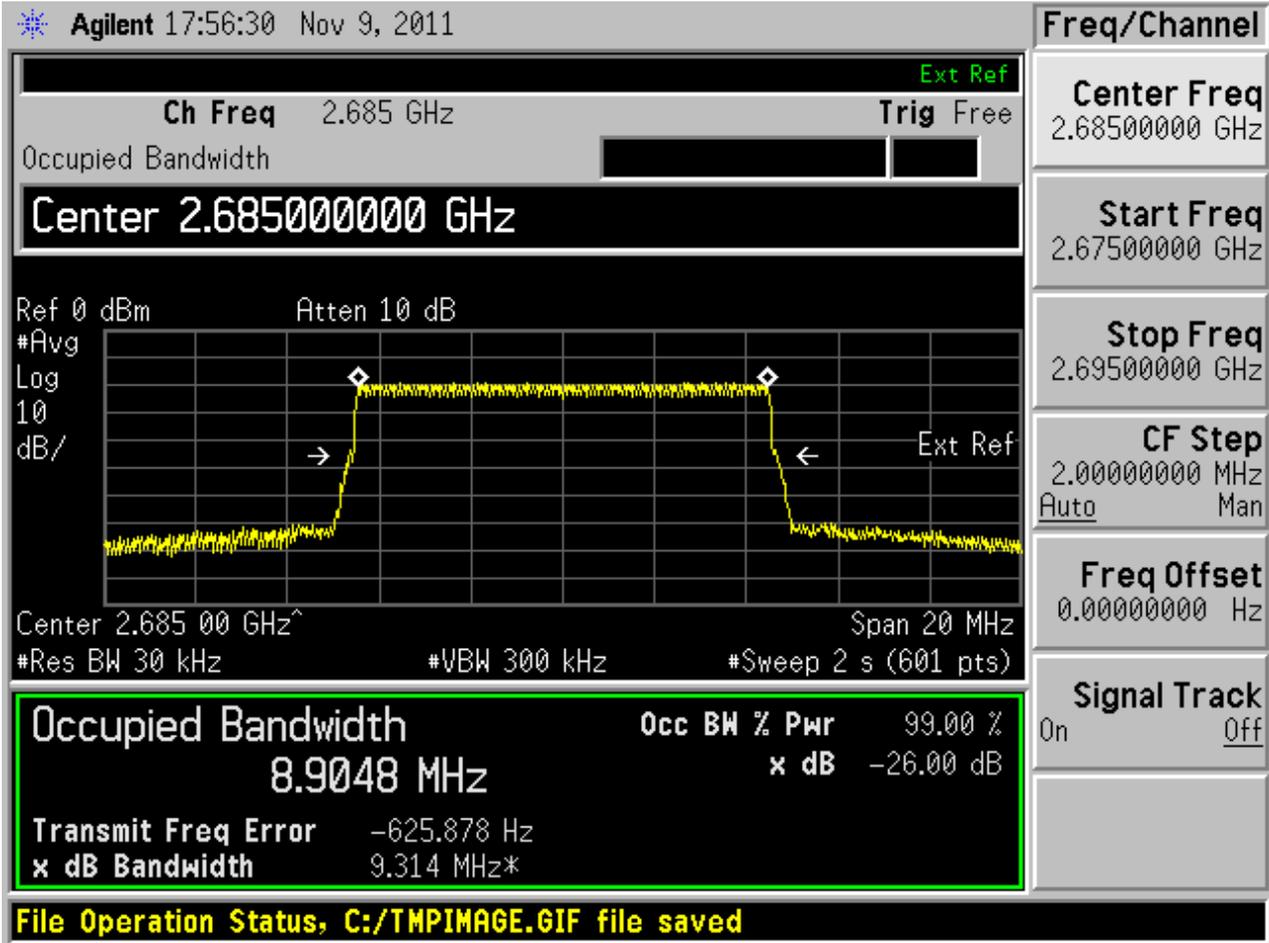


# Ch. M





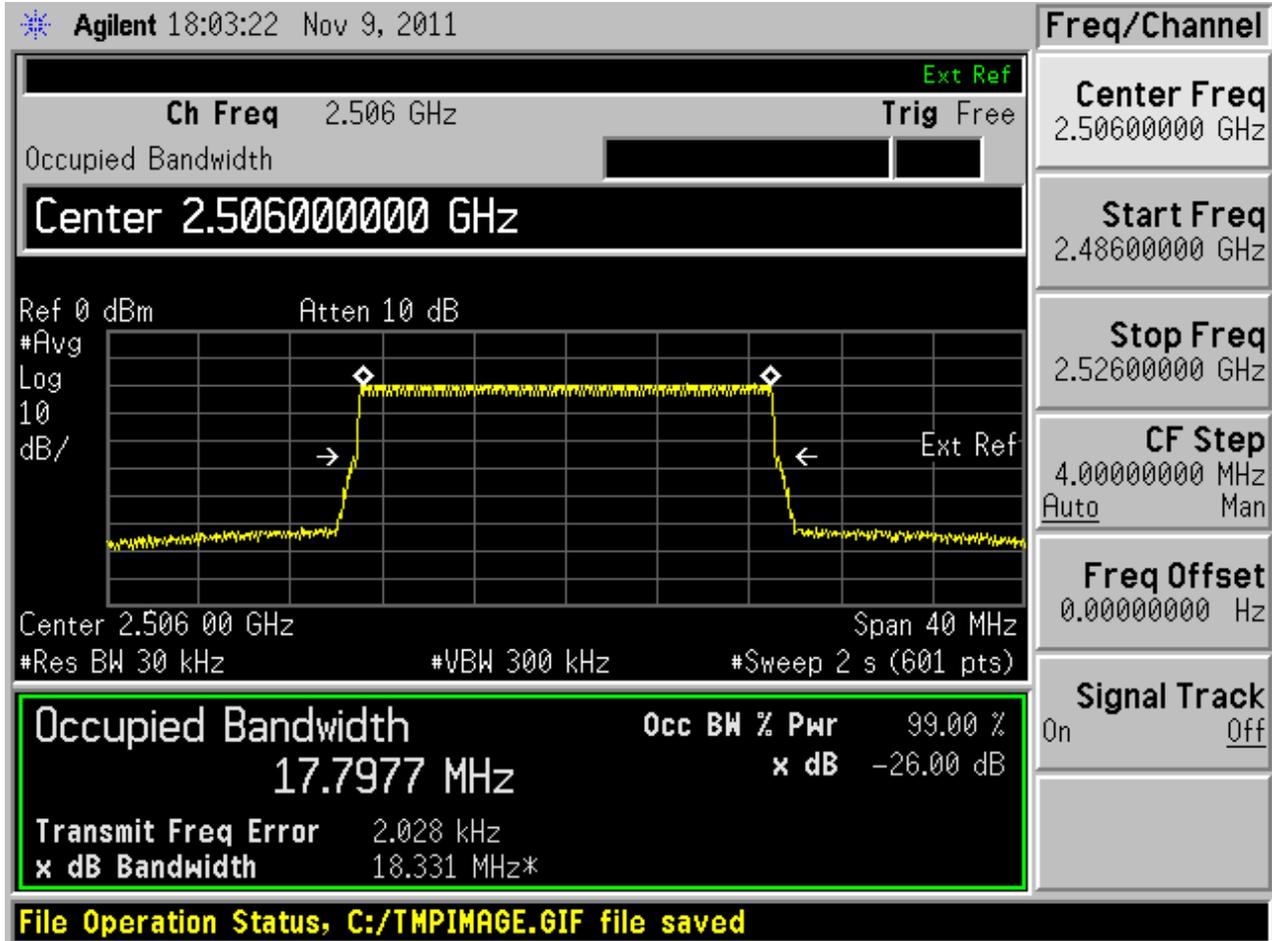
# Ch. T





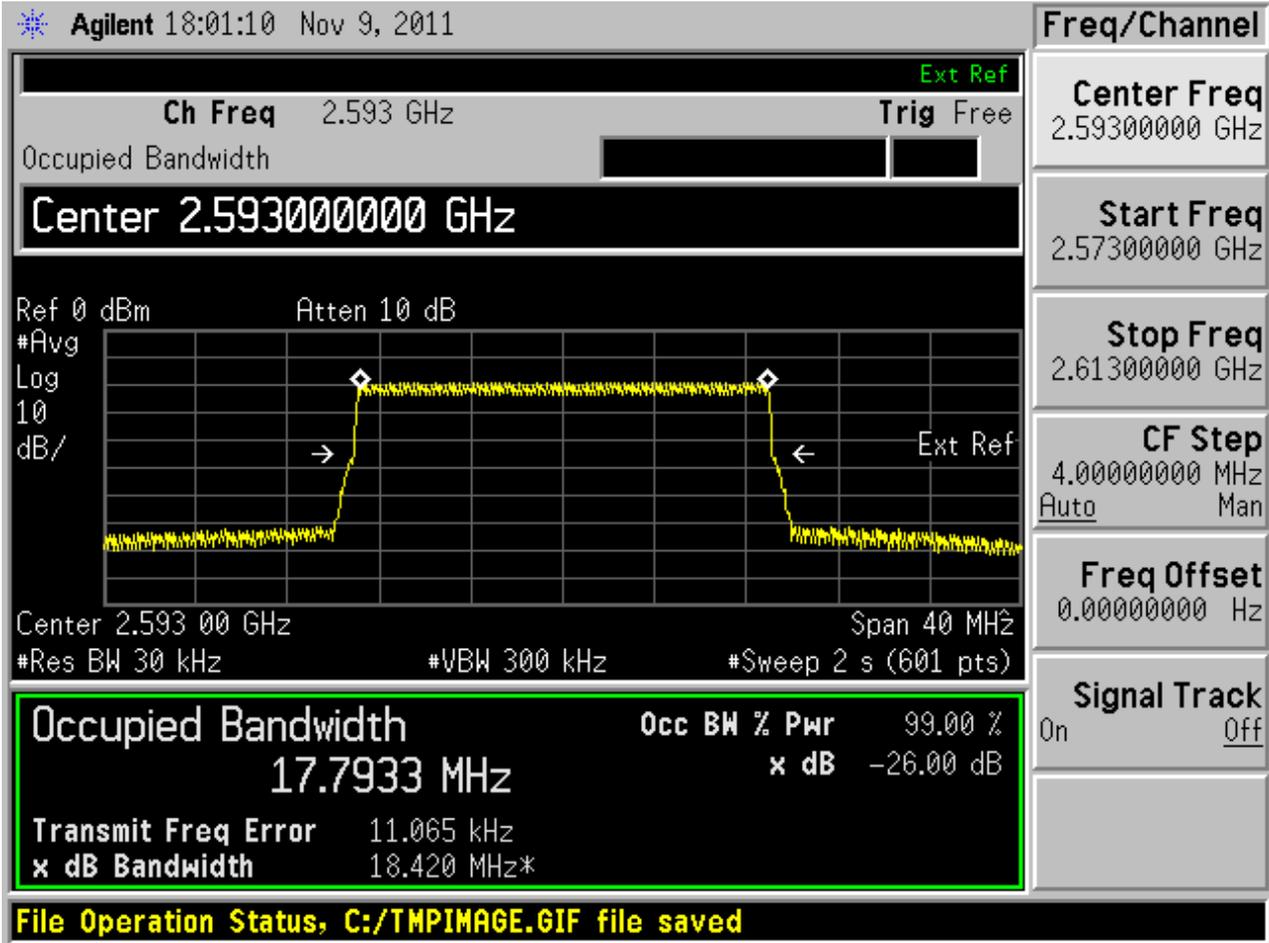
(4) LTE, 20MHz Channel Bandwidth:

Ch. B





## Ch. M





## Ch. T

