

**EXHIBIT H**

**SV7000 SERIES FACTORY ACCEPTANCE TEST REPORT**

Test results for:

|                |                     |
|----------------|---------------------|
| Model:         | NV7930V Transmitter |
| Stock Number:  | 2065.8550.05        |
| Serial Number: | 100004              |

**7 August 2K6**



**ROHDE & SCHWARZ**

## factory acceptance test

|                        |                                                 |           |
|------------------------|-------------------------------------------------|-----------|
| <b>DMQ</b> transmitter | NV7930V                                         |           |
| Stock number           | 2065.8550.05                                    |           |
| Serial number          | 100004                                          |           |
| Site                   | Qualcomm 49                                     |           |
| Tx Output power        | 9,3 kW                                          |           |
| Channel                | 719 MHz                                         | Ch 55     |
| Customer               | Rohde&Schwarz USA and<br>Qualcomm Incorporation |           |
| BA-No.                 | 80200 – 92614                                   | Pos. 1400 |

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|                      |                       |
|----------------------|-----------------------|
| Test department:     | date: 8.06.2006       |
| Participants:        |                       |
| for Rohde & Schwarz: | for customer: R&S USA |

\_\_\_\_\_  
Klein Wolfgang

## 1. Mechanical Test

|                                                      |     |                                               |
|------------------------------------------------------|-----|-----------------------------------------------|
| Sichtprüfung/<br>Visual and mechanical<br>Inspection | --- | <input checked="" type="checkbox"/> fulfilled |
|------------------------------------------------------|-----|-----------------------------------------------|

|                                            |     |                                               |
|--------------------------------------------|-----|-----------------------------------------------|
| EMV acc. ETSI EN 301489-1/-14<br>(CE-test) | --- | <input checked="" type="checkbox"/> fulfilled |
|--------------------------------------------|-----|-----------------------------------------------|

## 2. Nominal output power

|                                                               | RATED/                                | ACTUAL   |
|---------------------------------------------------------------|---------------------------------------|----------|
| Nominal output power                                          | 9,3 kW<br><i>nominal value +/- 5%</i> | 9,32 kW  |
| <i>output power on transmitter<br/>CCU/ read from display</i> | <i>nominal value +/- 5%</i>           | 9,34 kW  |
| <i>output power after bandpass</i>                            | +/- 0.3 dB                            | --       |
| reference voltage value                                       | ---                                   | 77,7 %   |
| Coupling attenuation<br>transmitter                           | -                                     | 66.00 dB |

### 3. Transmission quality

#### 3.1. Intermodulation products at nominal output power with bandpass > $f_c \pm 3.2$ MHz from $f_0$

|                                                                                | ETS 300 744 | R&S Spec |           |
|--------------------------------------------------------------------------------|-------------|----------|-----------|
| DVB bandwidth 6MHz at $f_0 \pm 3.2$ MHz<br>(without DTV-bandpass filter)       | > 37 dB     | > 36 dB  | Annex 1.2 |
| DVB bandwidth 6MHz at $f_0 \pm 3.2$ MHz<br>(with optional DTV-bandpass filter) | > 50 dB     | > 50 dB  | --        |

### 4. Transmission error (only at DVB-T)

#### Messwerte/ Measurement Values

| Measurement             | rated value         | measured value |
|-------------------------|---------------------|----------------|
| BER before Viterbi      | < $1 \cdot 10^{-7}$ | -----          |
| BER before REED SOLOMON | < $1 \cdot 10^{-8}$ | -----          |
| BER after REED SOLOMON  | < $1 \cdot 10^{-8}$ | -----          |

### 5. Parameters (only at DVB-T)

#### Messwerte/ Measurement Values

|                      | ETS 300 744   | R&S Spec      |       |
|----------------------|---------------|---------------|-------|
| <b>Coder</b>         |               |               |       |
| I/Q Ampl. Imbalance  | < 0.5 %       | < 0.1 %       | ----- |
| I/Q quadrature error | < $0.5^\circ$ | < $0.1^\circ$ | ----- |
| <b>Transmission</b>  |               |               |       |
| Phase Jitter         | < $1.0^\circ$ | < $0.5^\circ$ | ----- |
| Signal/ Noise        | > 35.0 dB     |               | ----- |
| MER                  | > 33 dB       |               | ----- |

### 6. Remote control / NetCCU

|                                                 |   |                                               |
|-------------------------------------------------|---|-----------------------------------------------|
| Remote control test of<br>commands and messages | - | <input checked="" type="checkbox"/> fulfilled |
| GPS                                             | - | <input checked="" type="checkbox"/> fulfilled |

## 7. Software

|                                                               |  |                 |
|---------------------------------------------------------------|--|-----------------|
| Software CCU/<br><i>current software version CCU</i>          |  | CCU_DMQ_01.01   |
| CCU Boot Software                                             |  | CCU_01.03       |
| Software Encoder/ <i>current software version ENCODER</i>     |  | EXC DMQ-T 01.00 |
| Software Equalizer/ <i>current software version EQUALIZER</i> |  | EQ_DVB_01.16    |
| Software GUI ADE/ <i>current software version GUI ADE</i>     |  | GUI_ADE_01.05   |
| Software GUI/ <i>current software version GUI</i>             |  | GUI_SDB_3.5.13  |
| NetCCU                                                        |  | NETCCU_01.92    |

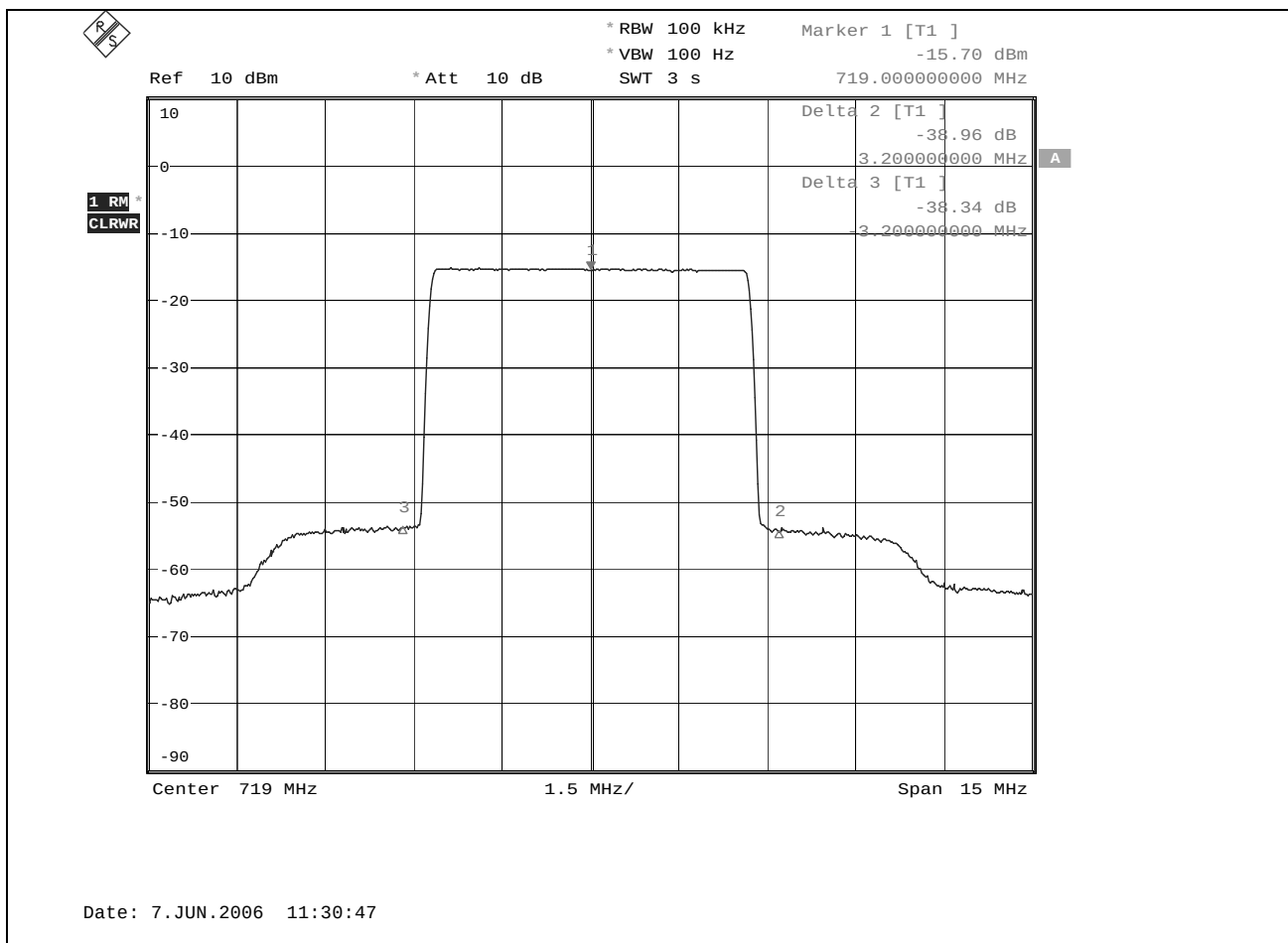
## **8.     *Measurements***

### **8.1    *Measurement spectrum***

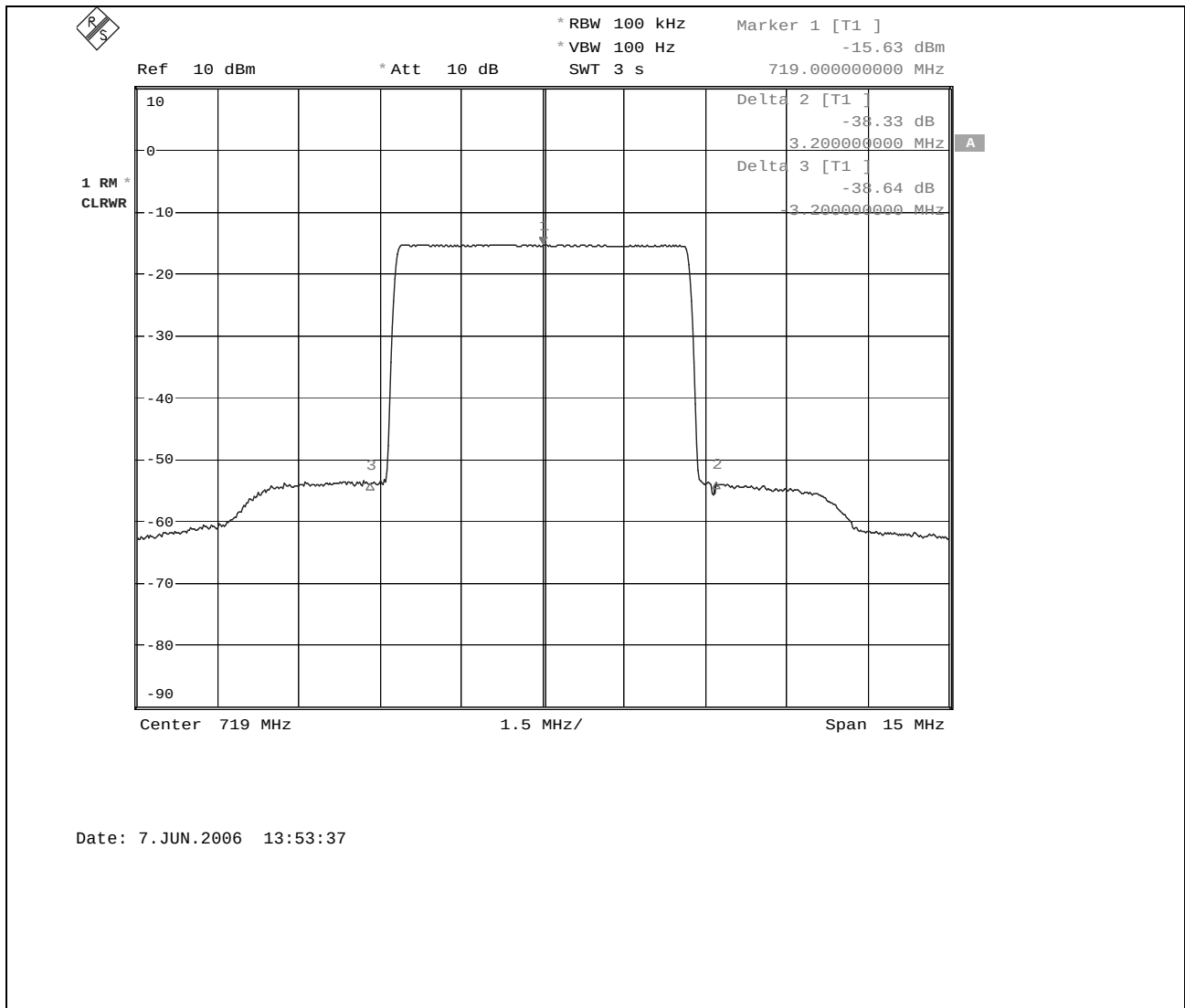
#### **8.1.1  *Measurement after bandpass***

**not included**

## Tx working on Exciter A

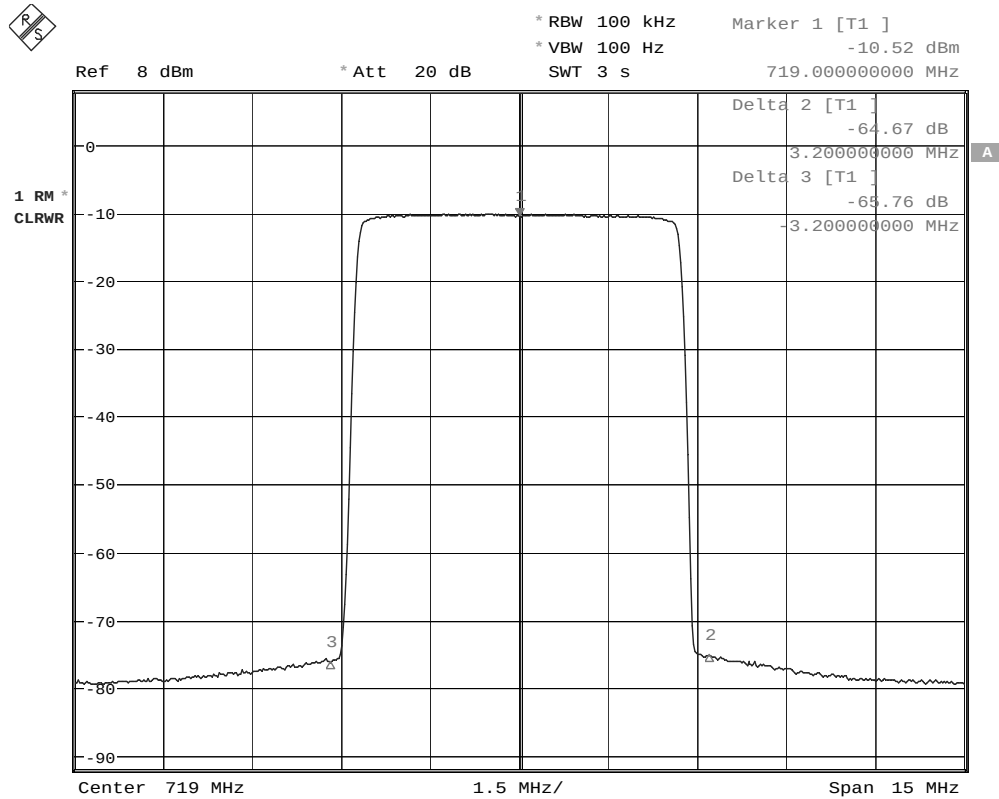


# Tx working on Exciter B



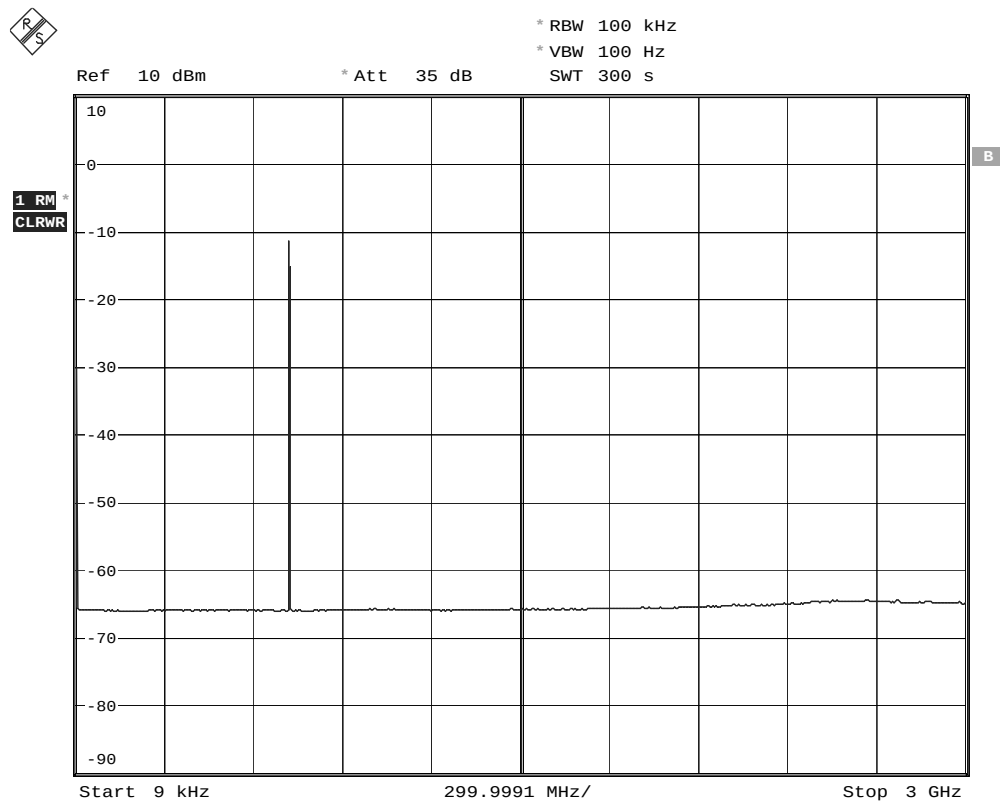
## 8.2.1 Measurement after bandpass

## Tx working on Exciter A



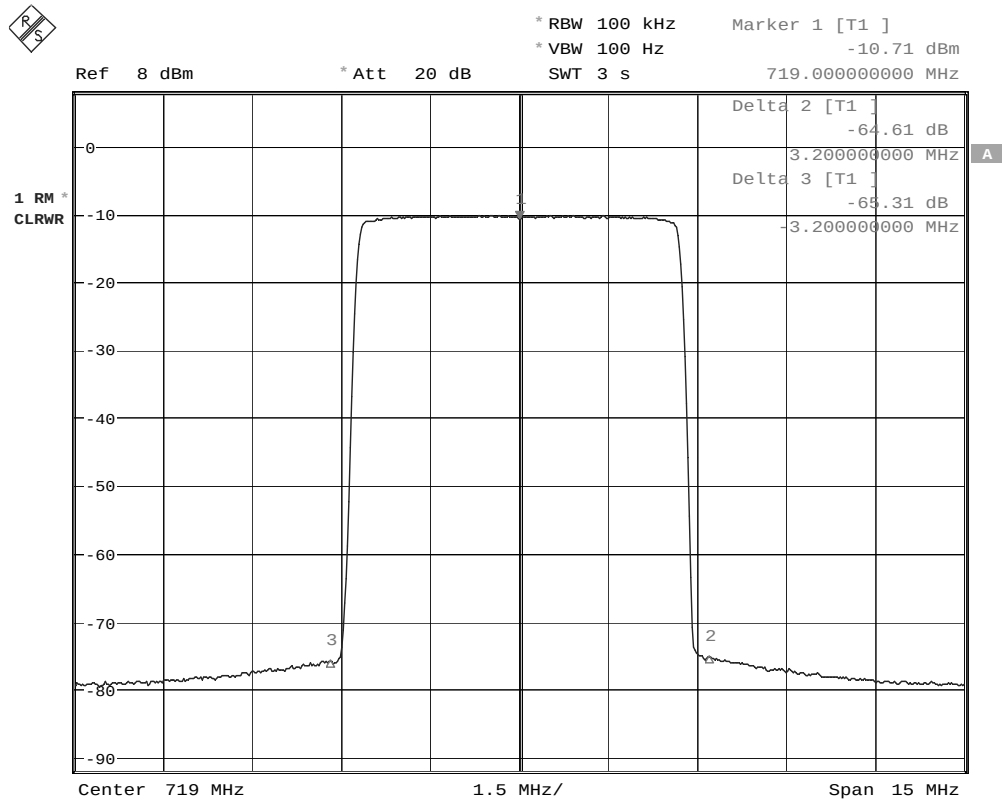
Date: 7.JUN.2006 14:19:55

# Spurious transmission after Bandpass



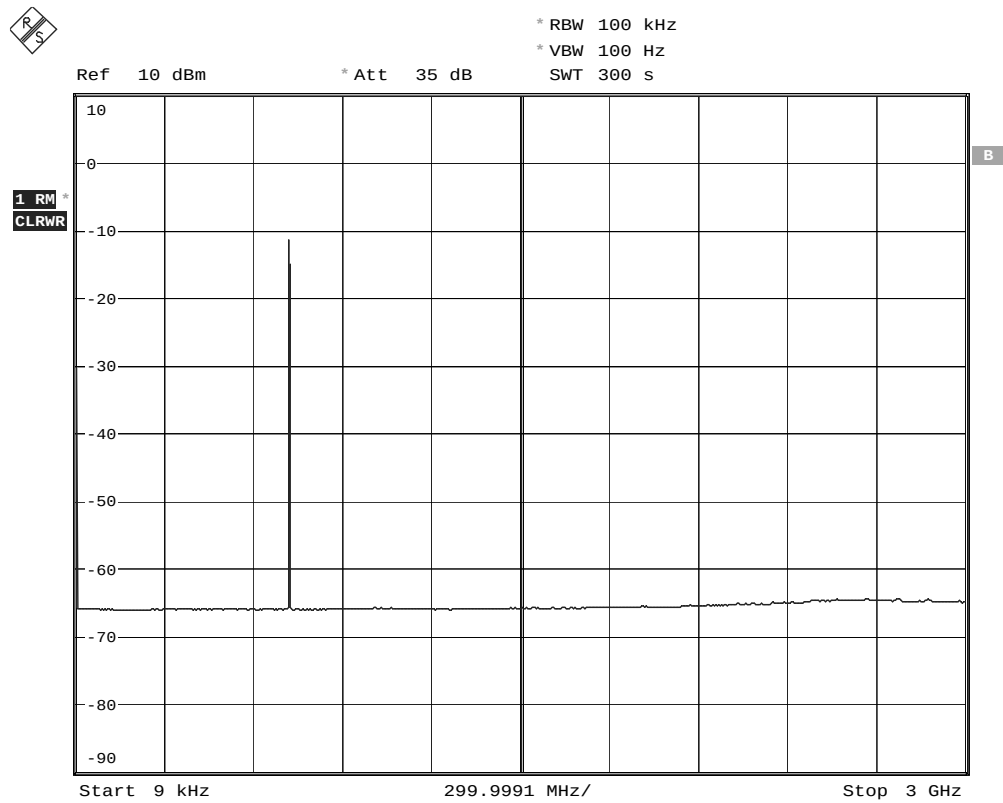
Date: 7.JUN.2006 15:16:05

# Tx working on Exciter B



Date: 7.JUN.2006 14:20:36

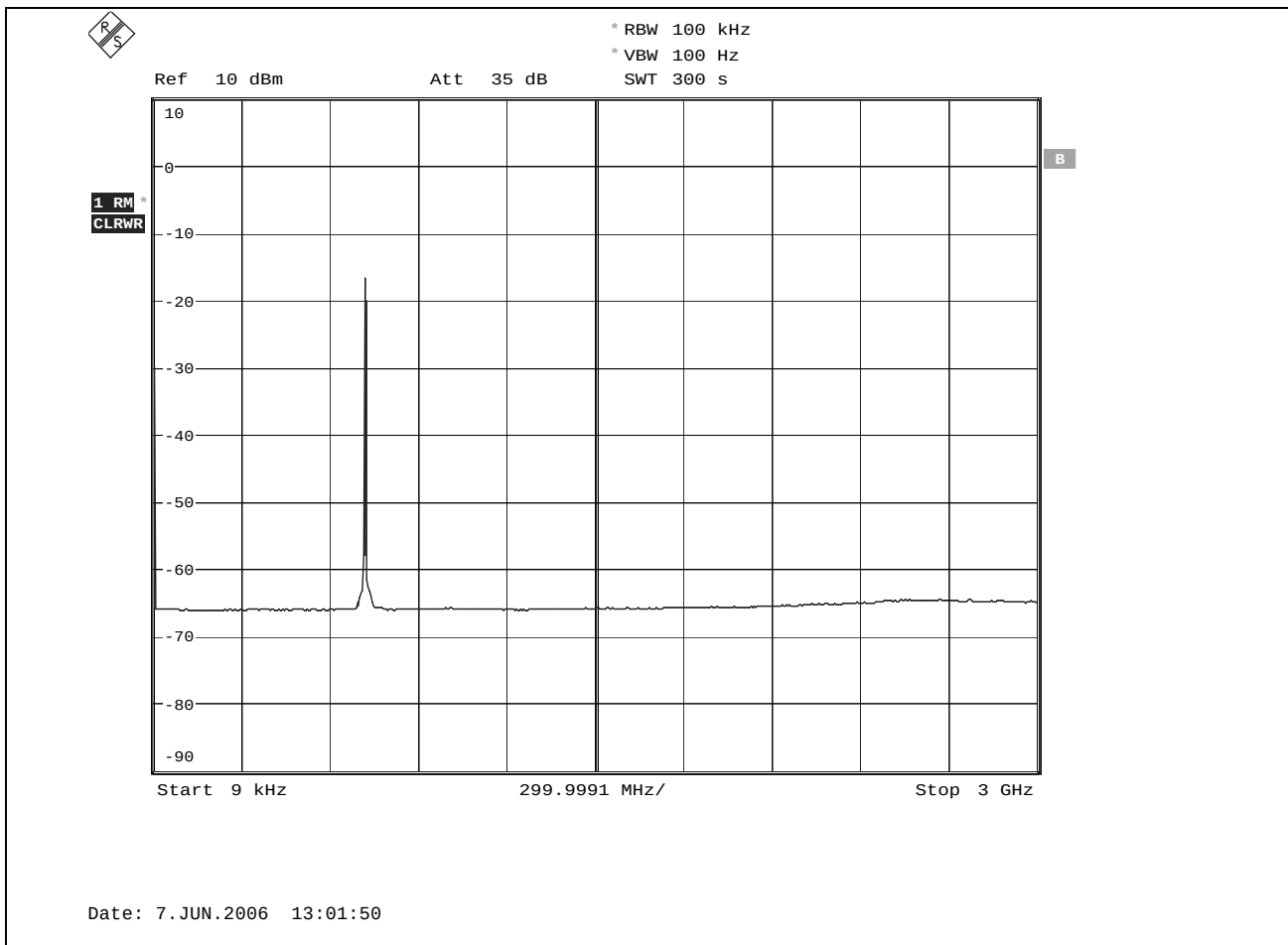
## Spurious transmission after Bandpass



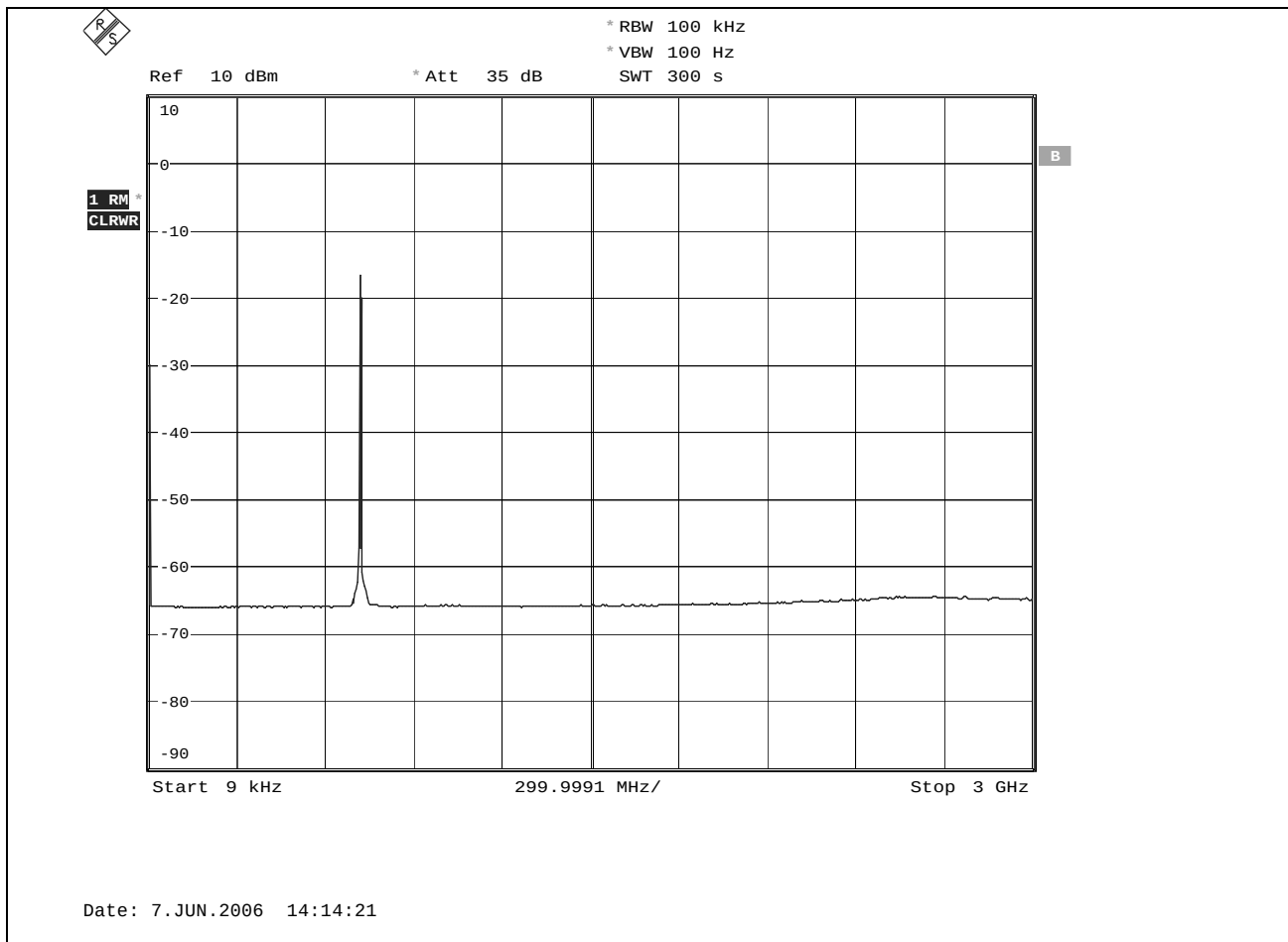
Date: 7.JUN.2006 14:54:28

## 8.2.2 Measurement before bandpass

Tx working on Exciter A



## Tx working on Exciter B



**Tx working on Exciter A**

**Tx working on Exciter B**