

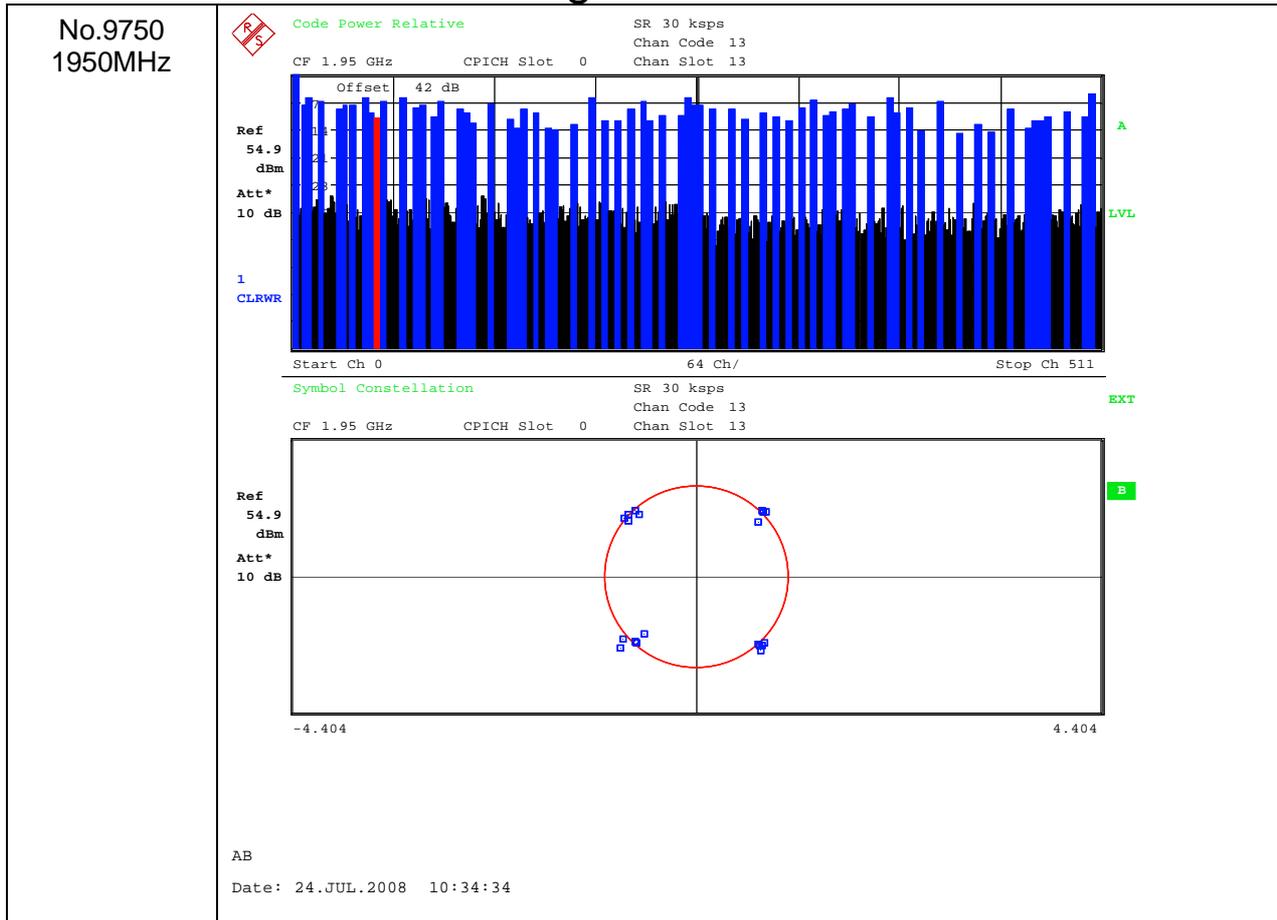


# Appendix A

## Modulation Characteristic Measurement

# TM1: QPSK

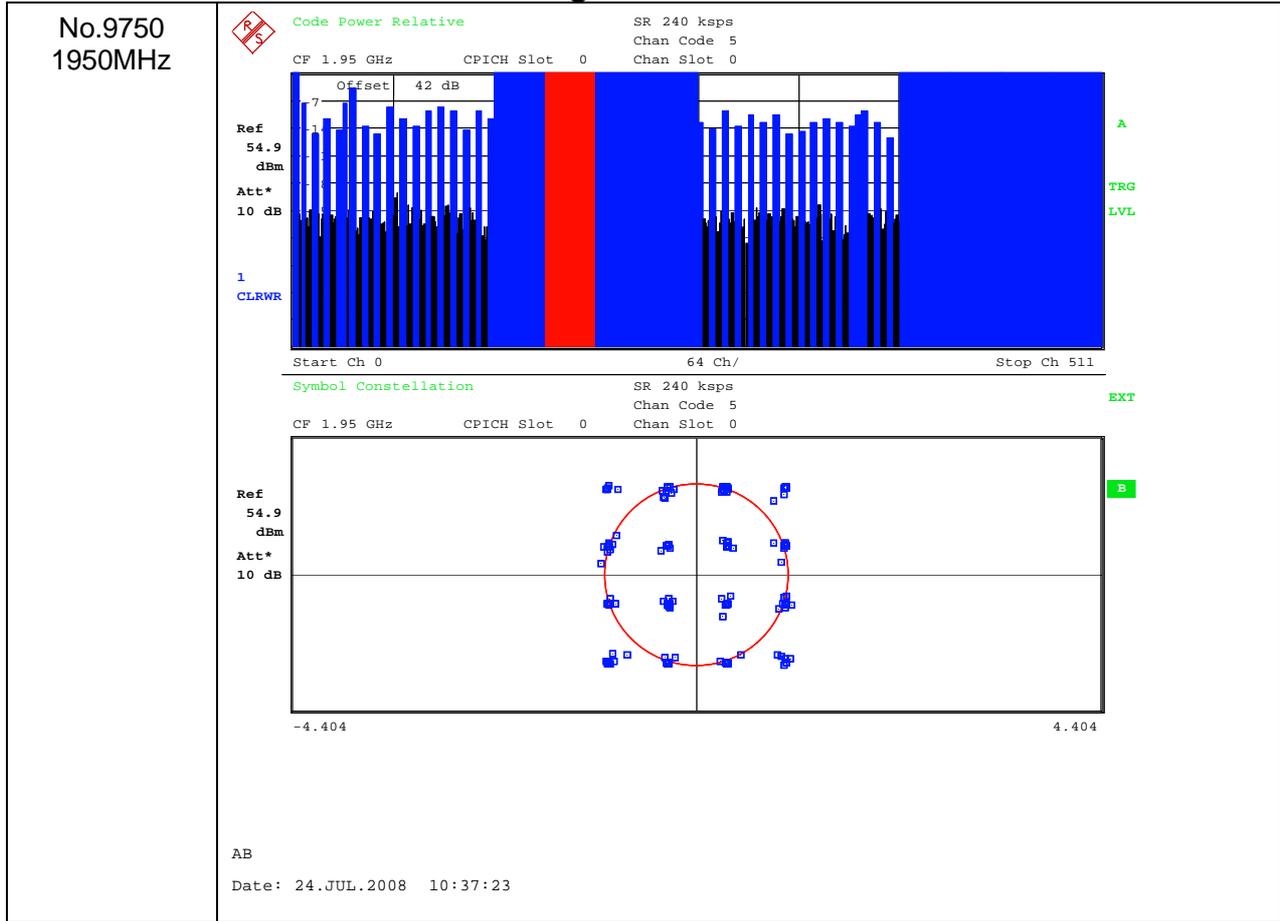
## Single Carrier



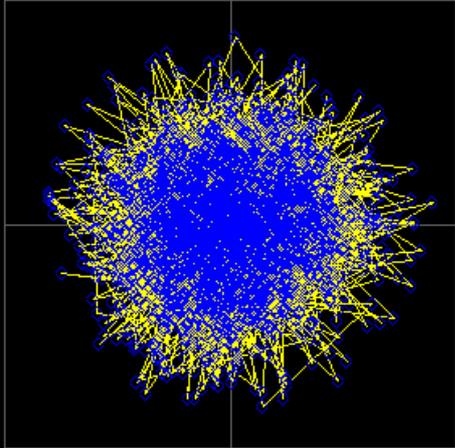


# TM5: 16QAM

## Single Carrier



# TM6: 64QAM

No.9750 1950MHz	 <b>Agilent</b>		<b>W-CDMA with HSDPA/HSUPA</b>		<b>Measure</b>
	BTS Ch Freq 1.95000 GHz		Running Src:Input		<b>Code Domain</b>
Mod Accuracy 3GPP		Averages: 1		<b>PASS</b>	<b>Mod Accuracy</b> (Composite EVM)
<b>Rho:</b> 0.99856				<b>QPSK EVM</b>	
<b>EVM:</b> 3.79 % rms 45.18 % pk				<b>Power Stat</b> CCDF	
<b>PK CDE:</b> -42.82 dB at C8(0)				<b>Spectrum</b> (Freq Domain)	
Pk Active CDE: -40.06 dB at C4(15)				<b>Waveform</b> (Time Domain)	
Magnitude Error: 2.57 % rms				<b>More</b> 2 of 3	
Phase Error: 3.86 ° rms					
Freq Error: -1.76 Hz					
I/Q Origin Offset: -54.99 dB					
Time Offset: -10813.23 chip					
				Active Channels: 44 Slot# 5	
<b>File Operation Status, C:\SCREN932.GIF file saved</b>					



## **Appendix B**

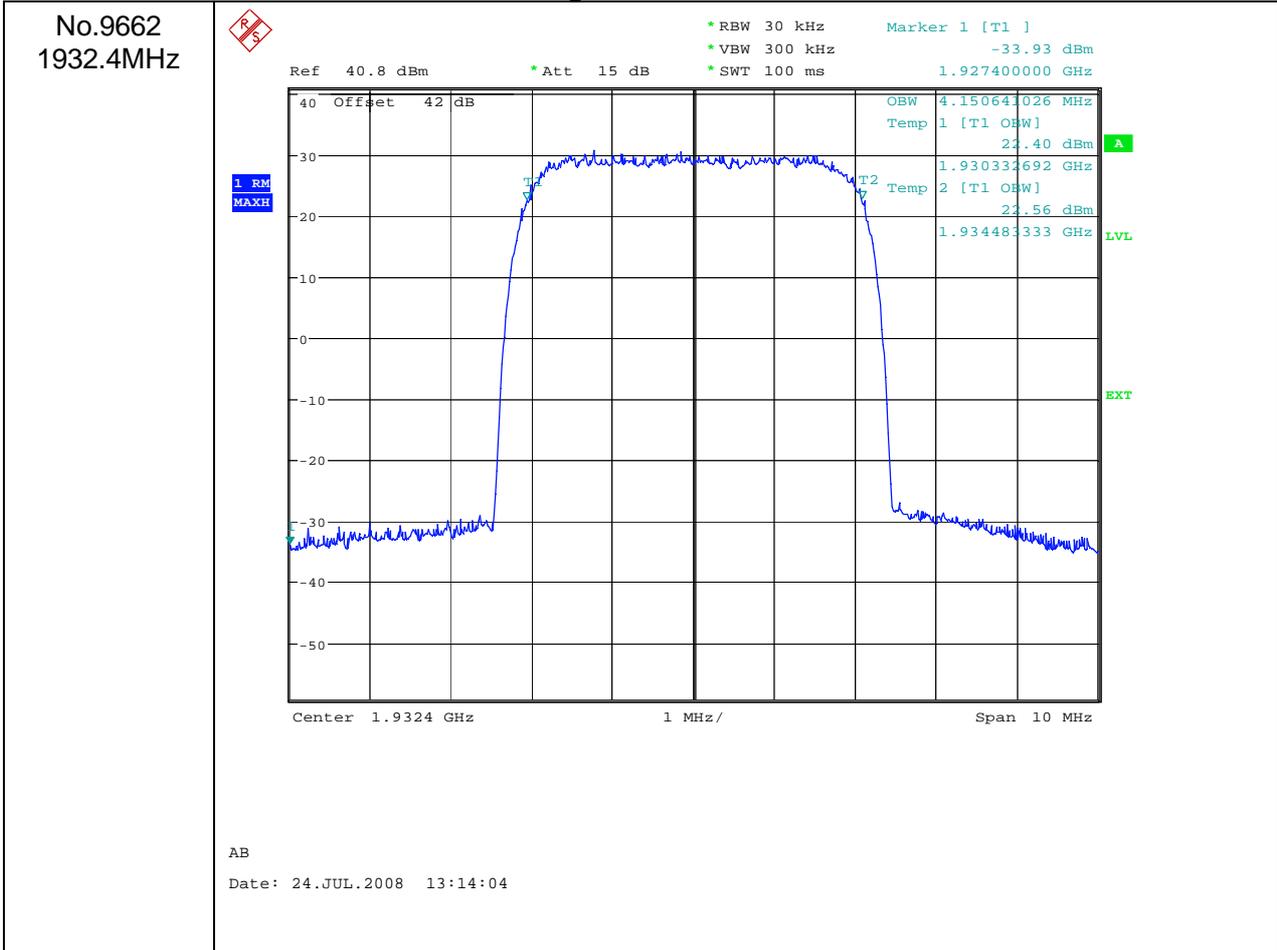
# Occupied Bandwidth Measurement



# (1) PCS Lower Band

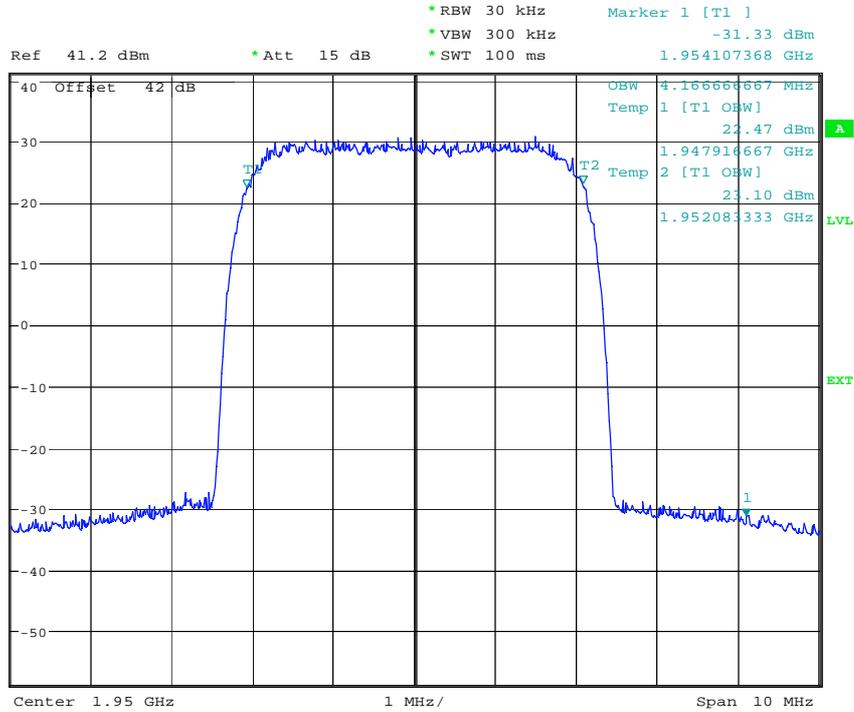
## TM1: QPSK

### Single Carrier





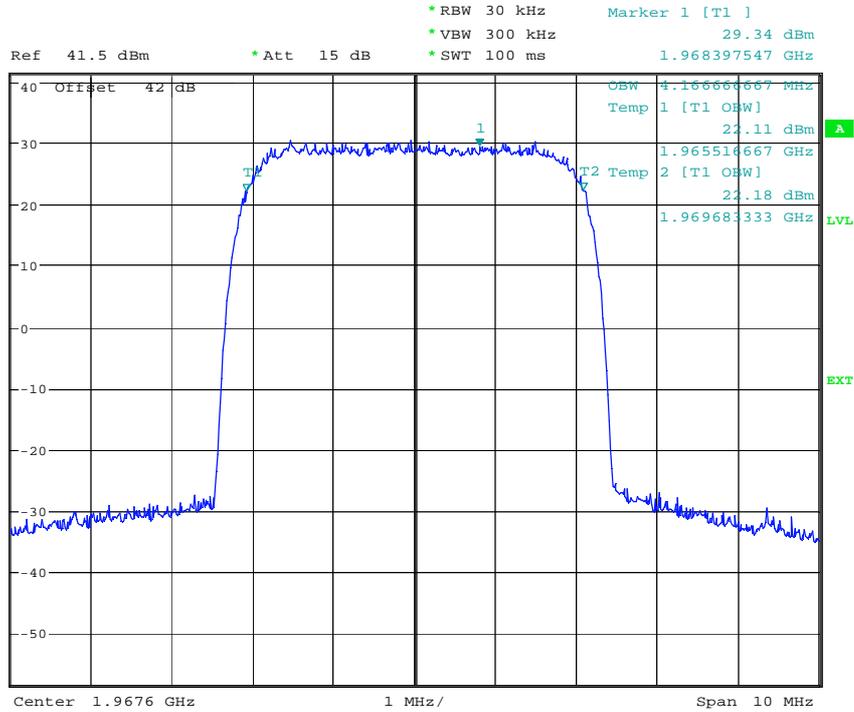
No.9750  
 1950MHz



AB  
 Date: 24.JUL.2008 10:19:34



No.9838  
 1967.6MHz



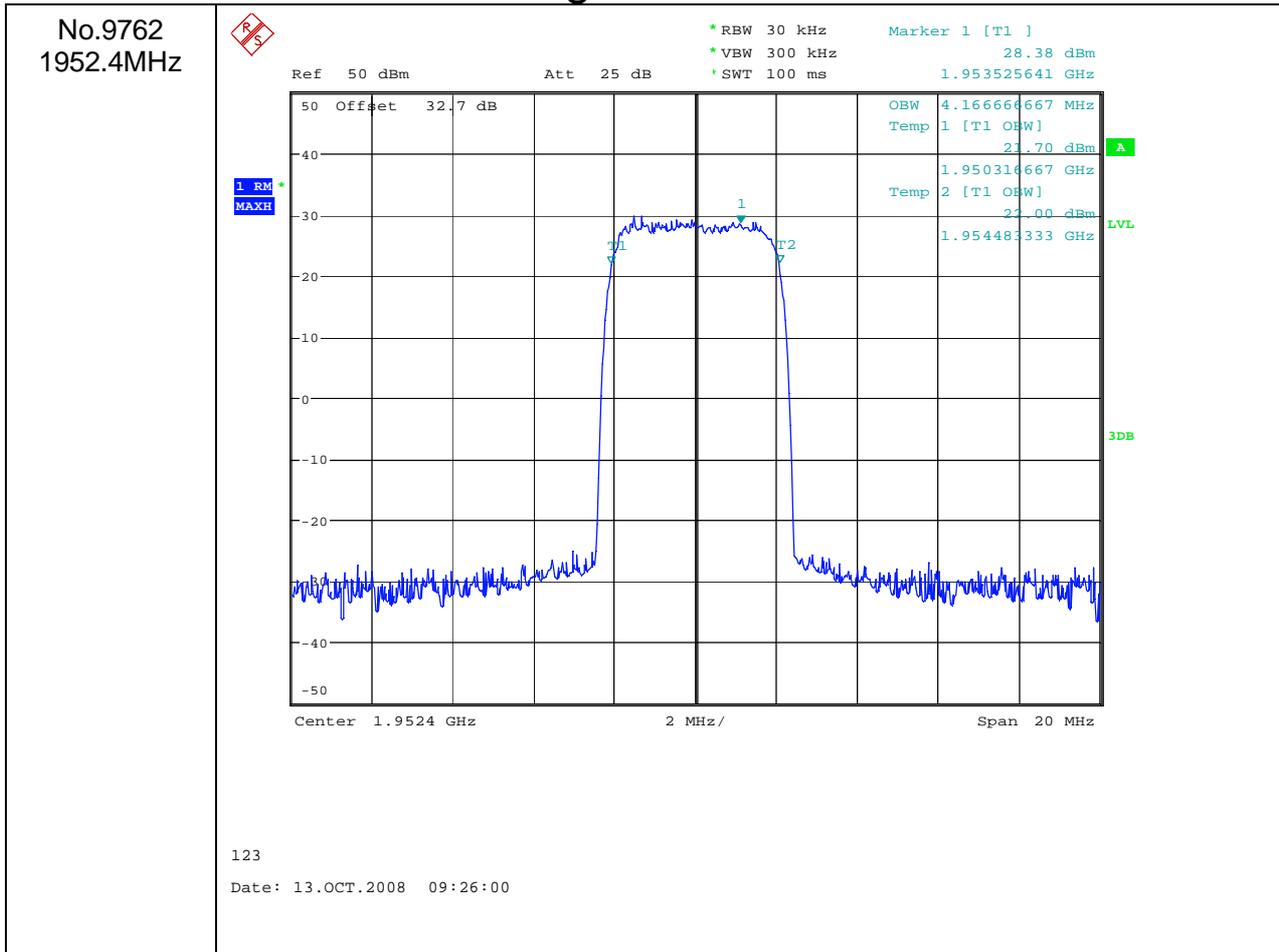
AB  
 Date: 24.JUL.2008 14:15:00



## (2) PCS Higher Band

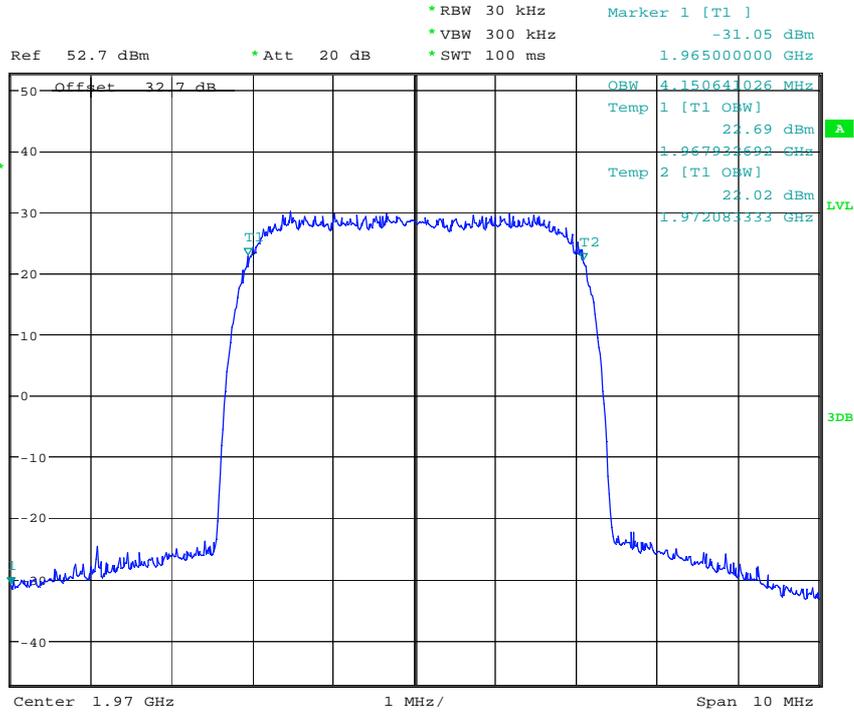
### TM1: QPSK

### Single Carrier





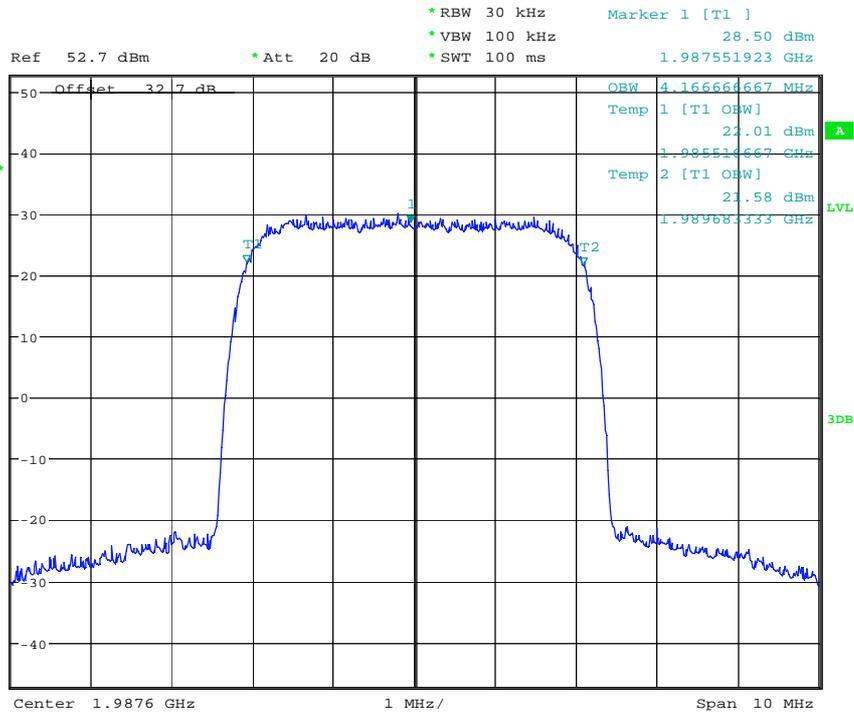
No.9850  
 1970MHz



123  
 Date: 13.OCT.2008 12:27:04



No.9938  
 1987.6MHz



123

Date: 13.OCT.2008 12:10:35



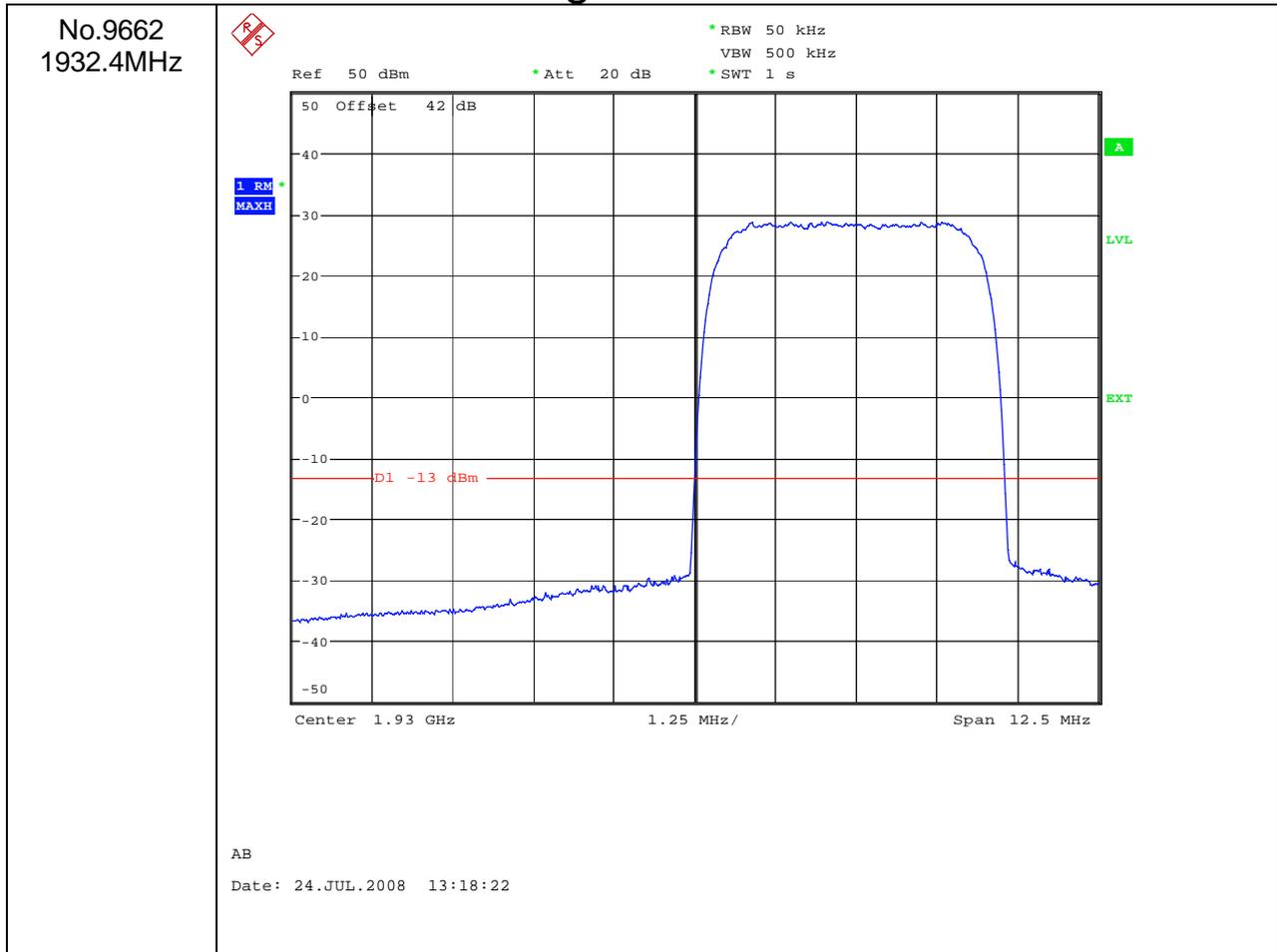
# Appendix C

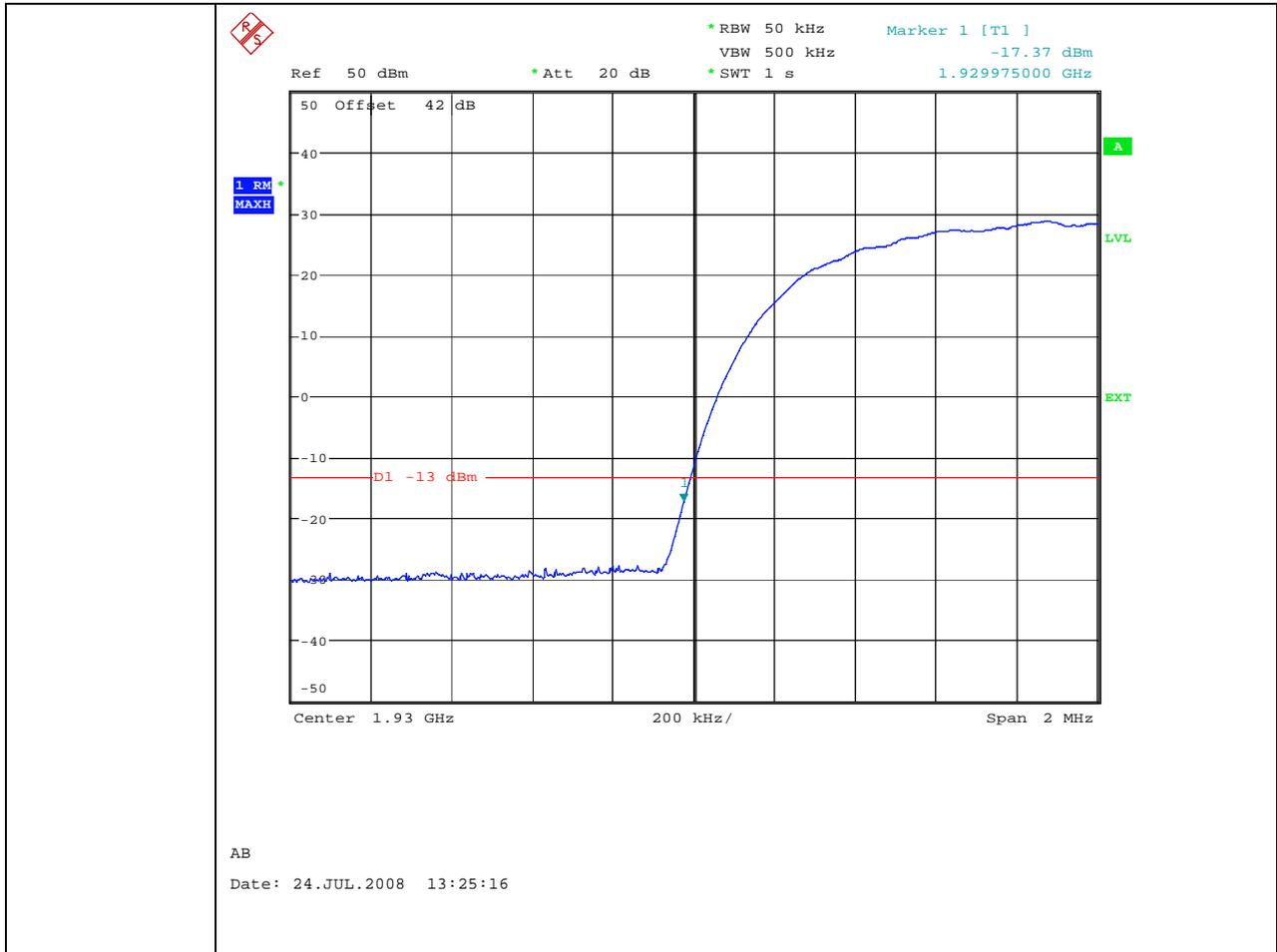
## Band Edge Measurement



# TM1: QPSK

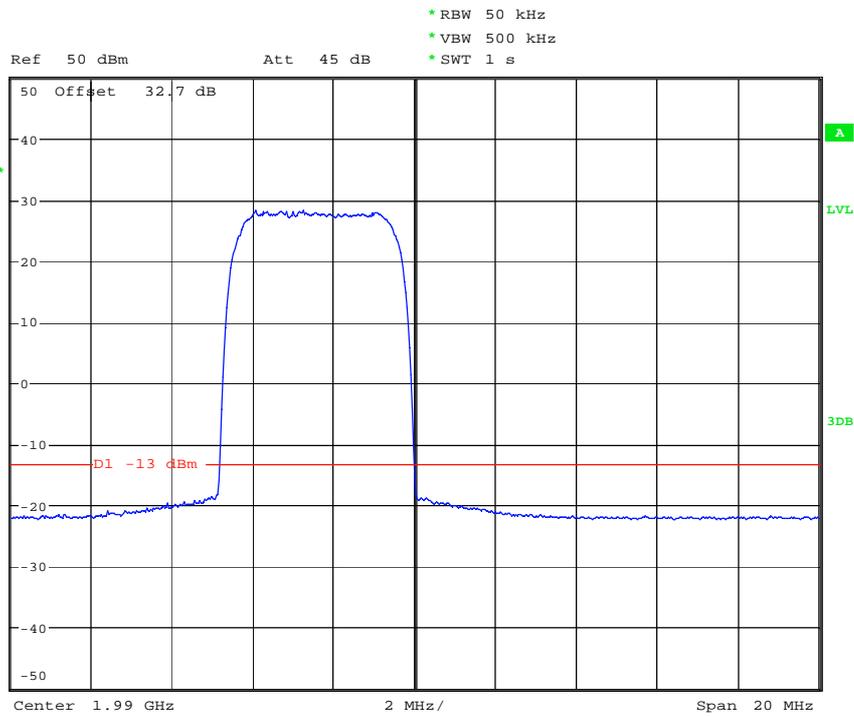
## Single Carrier



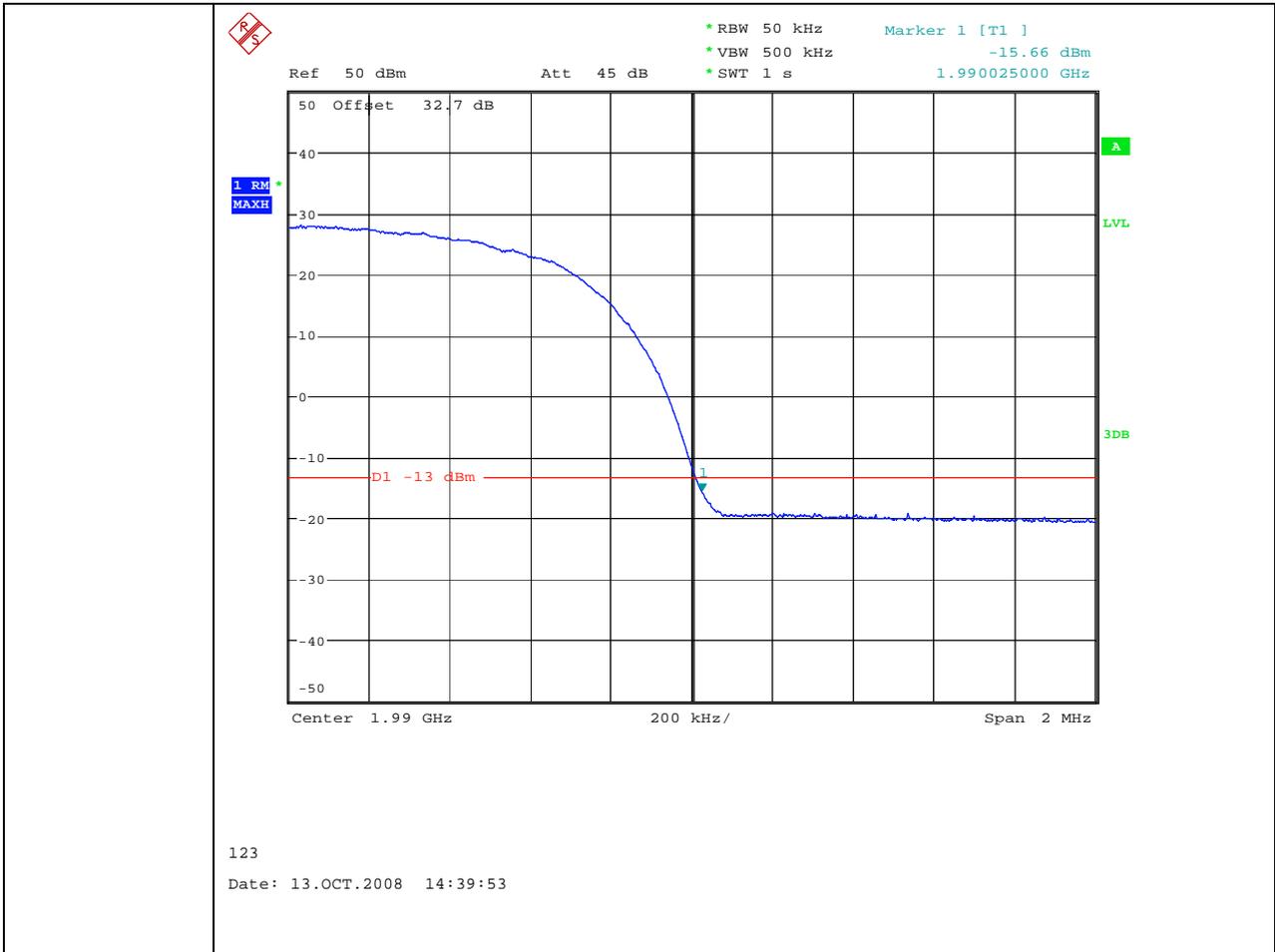




No.9938  
1987.6MHz



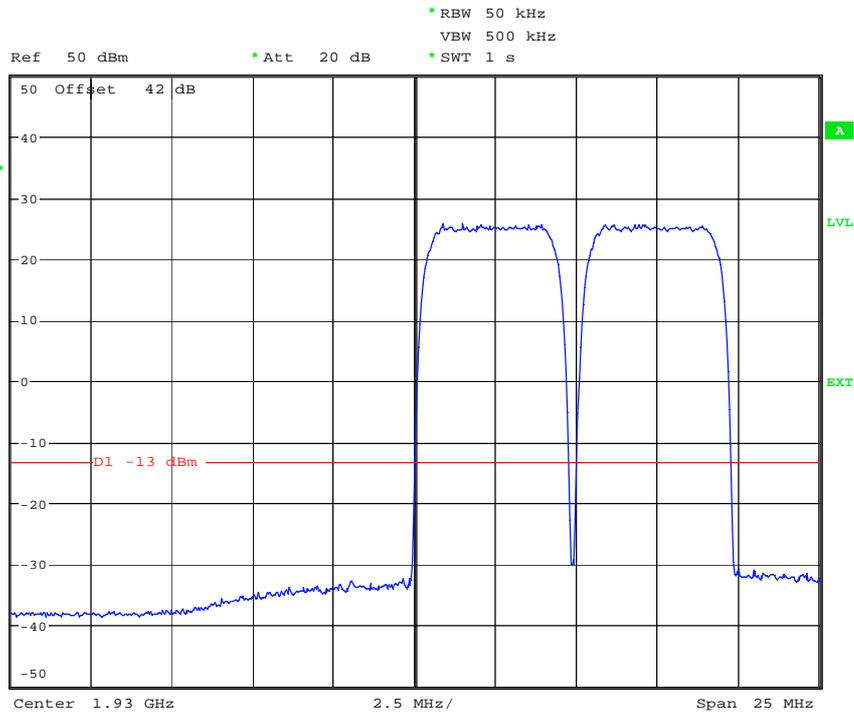
123  
Date: 13.OCT.2008 14:39:06



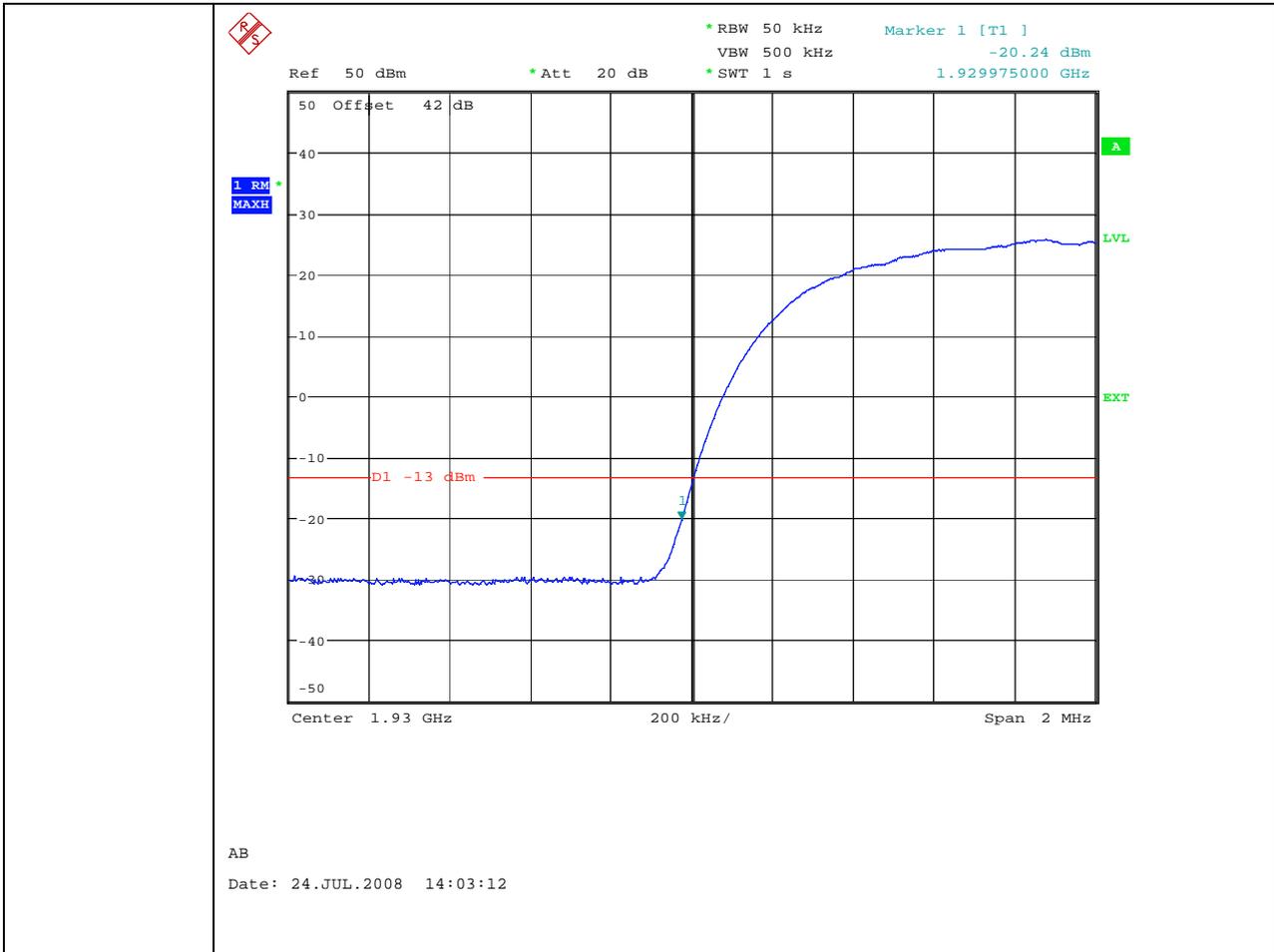


# Two Carriers

No.9662/9687  
1932.4/1937.4  
MHz

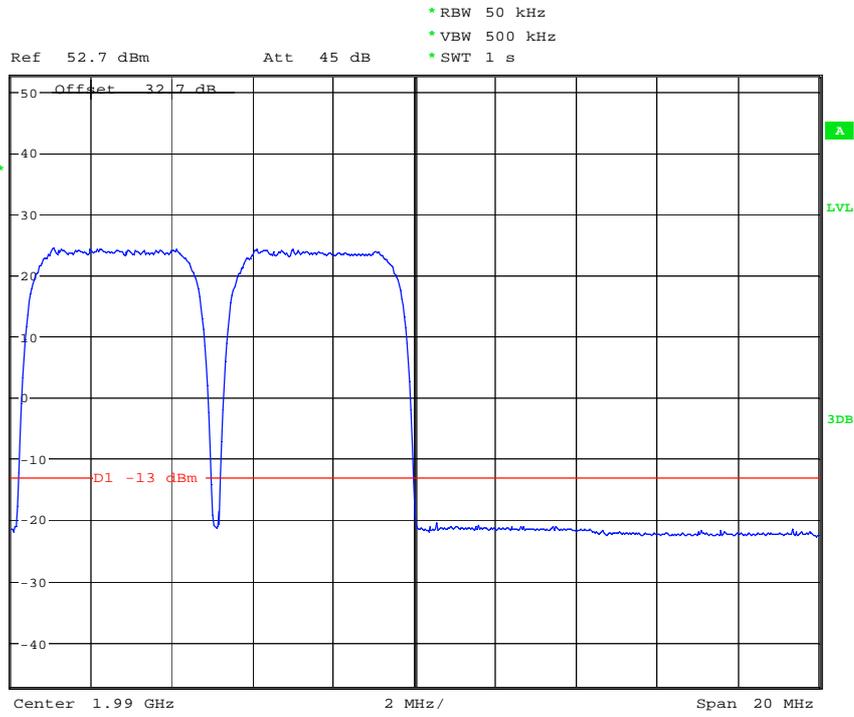


AB  
Date: 24.JUL.2008 14:03:52





No.9913/9938  
 1982.6/1987.6  
 MHz



123  
 Date: 13.OCT.2008 15:00:15





## **Appendix D**

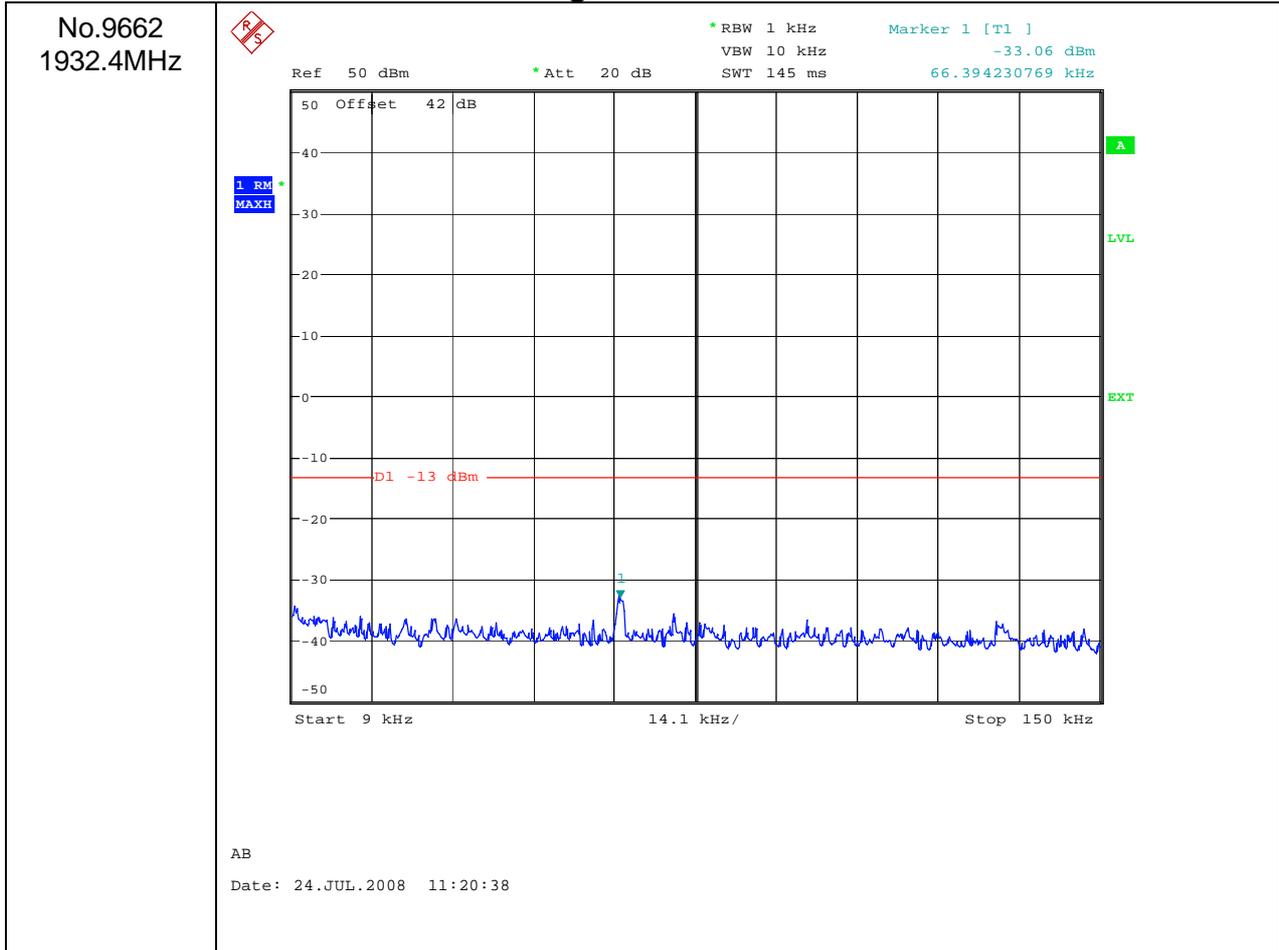
# Spurious Emission at Antenna Terminal Measurement

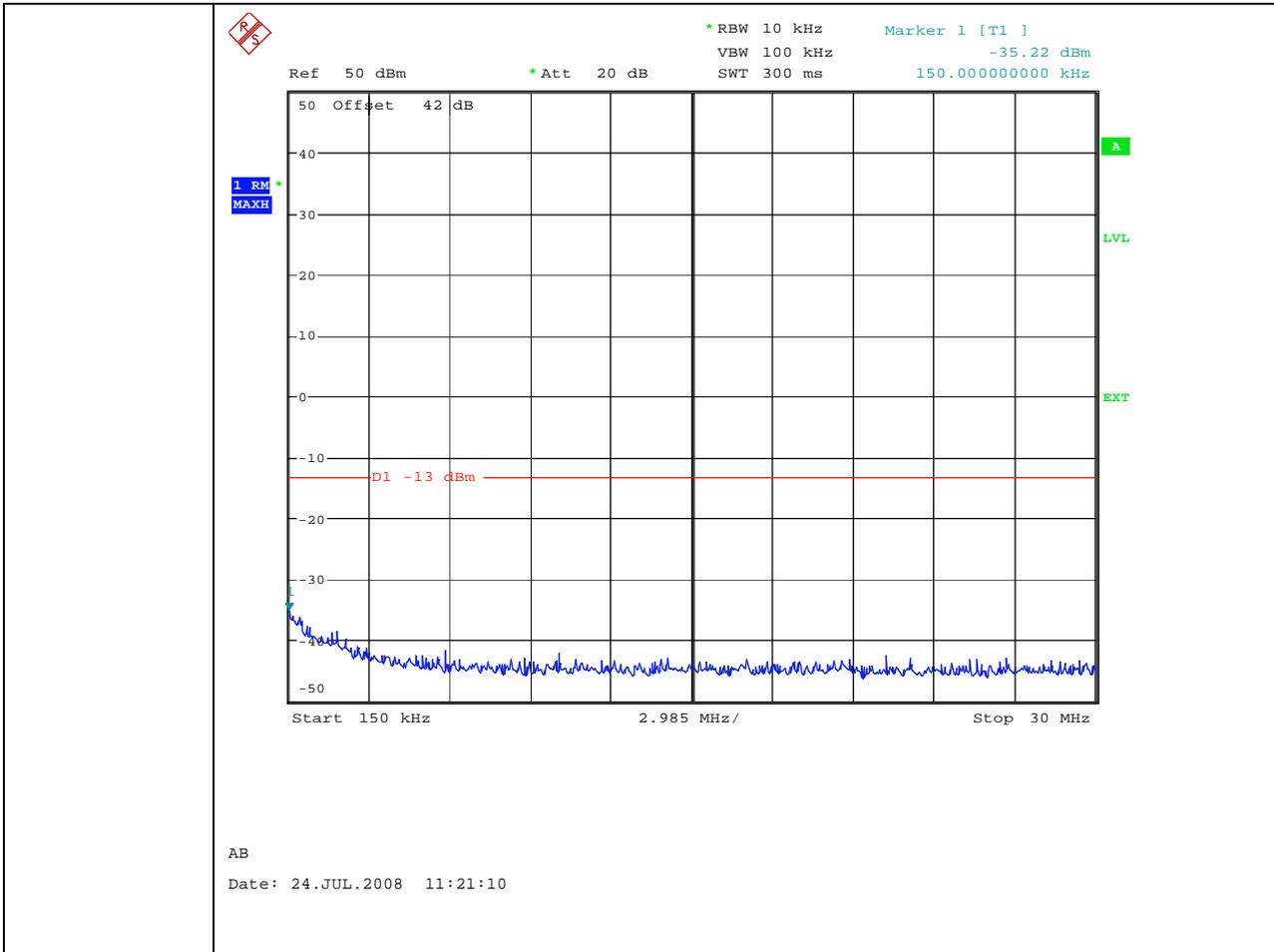


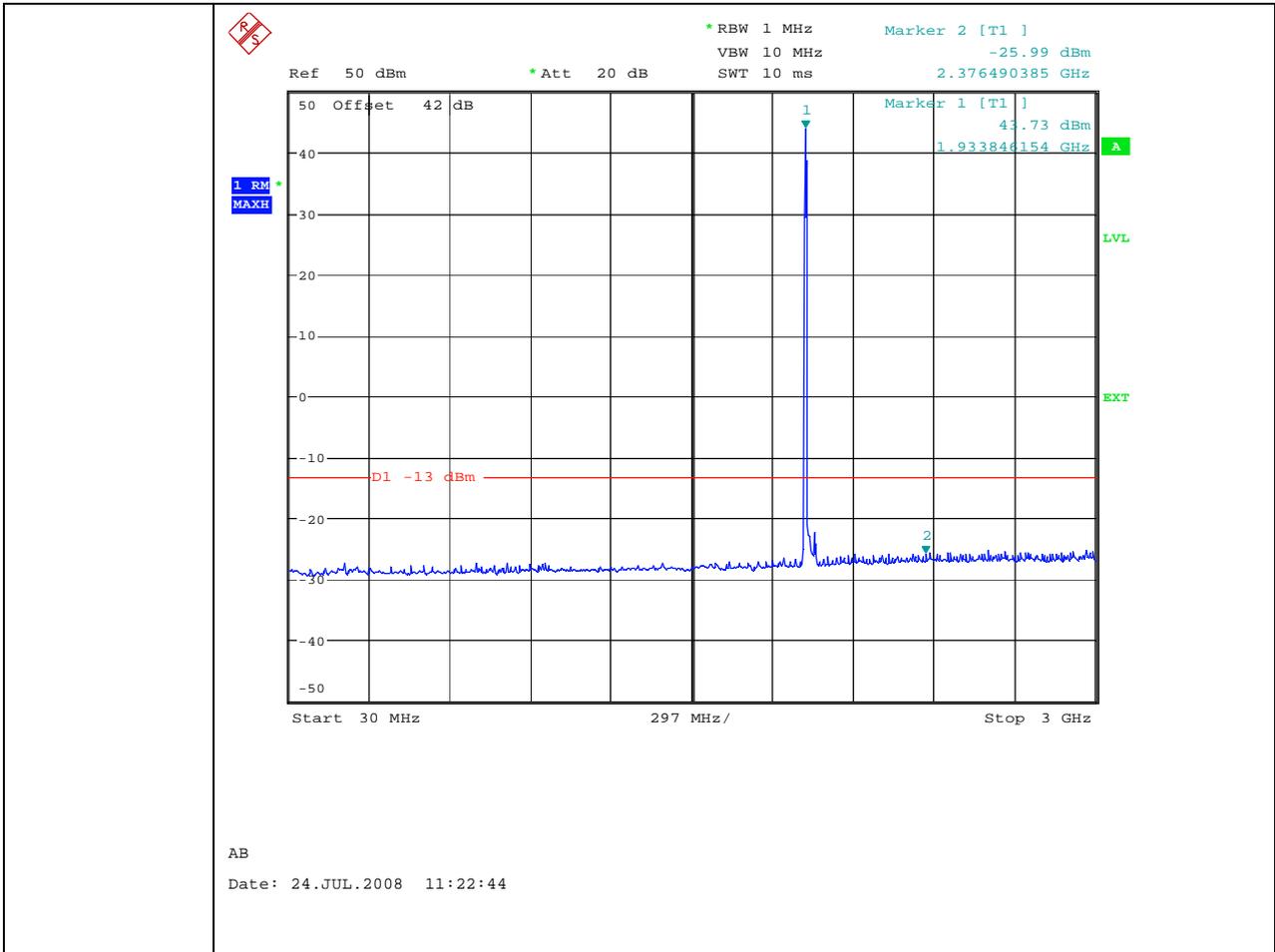
# (1) PCS Lower Band

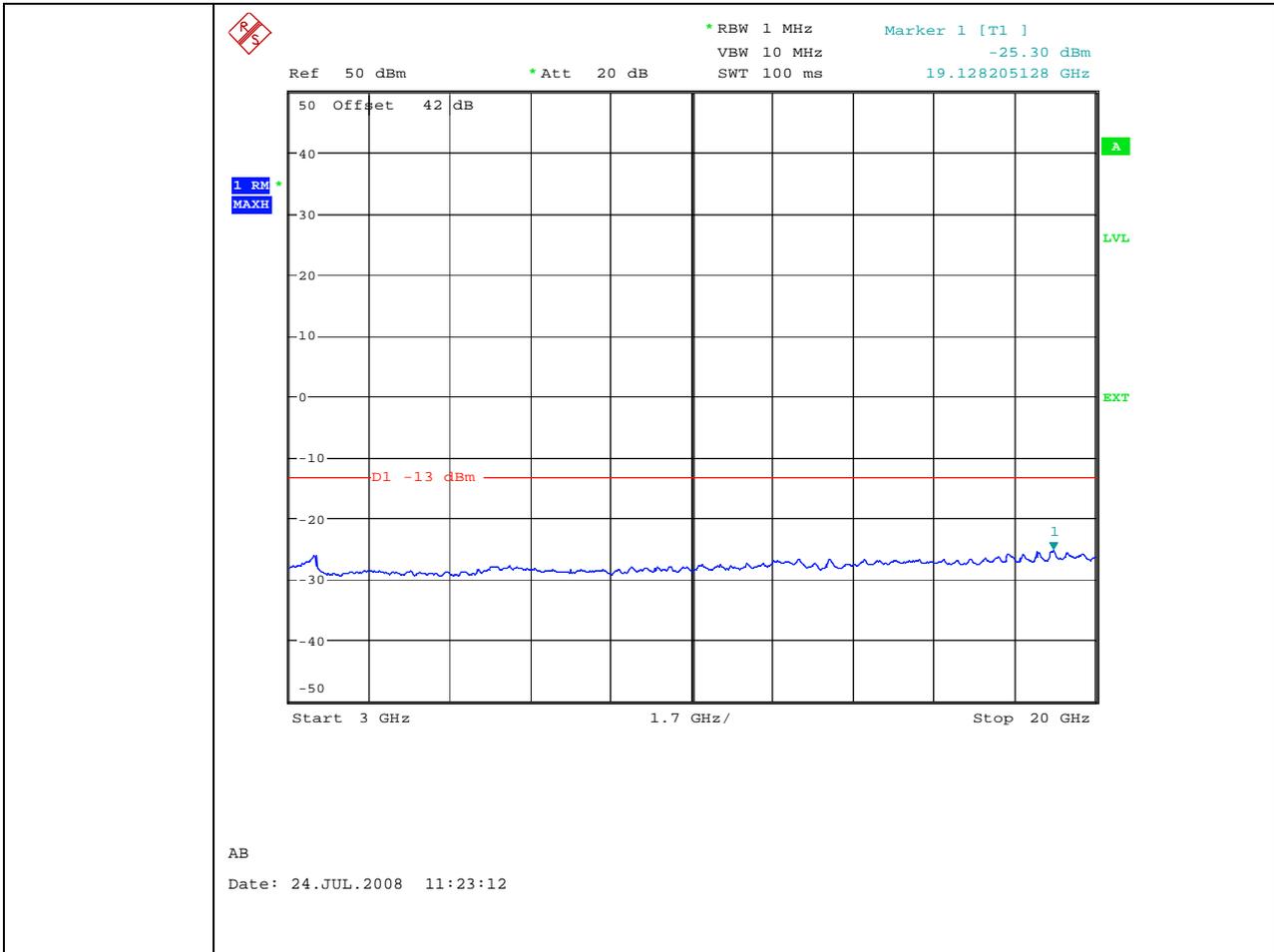
TM1: QPSK

## Single Carrier







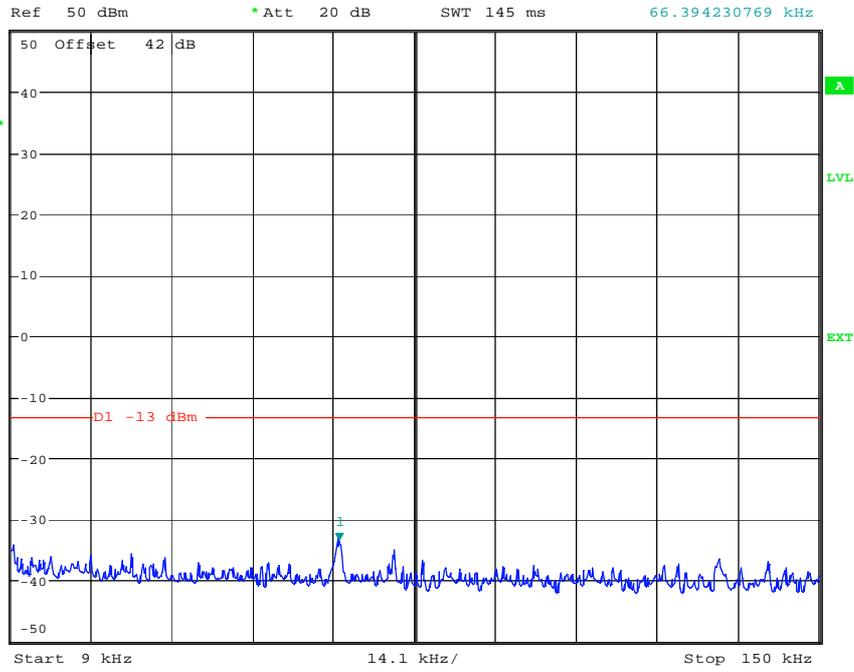




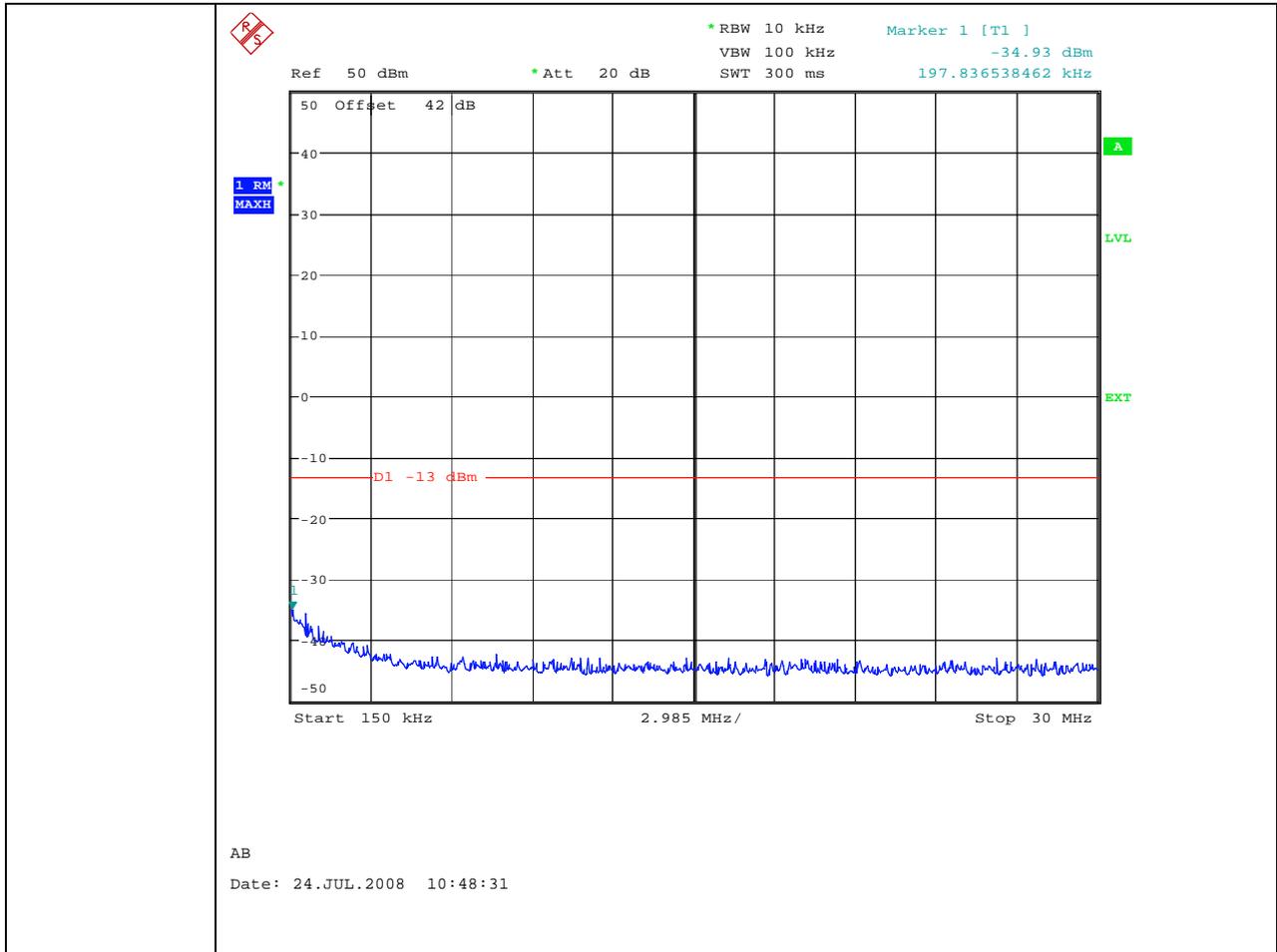
No.9750  
 1950MHz

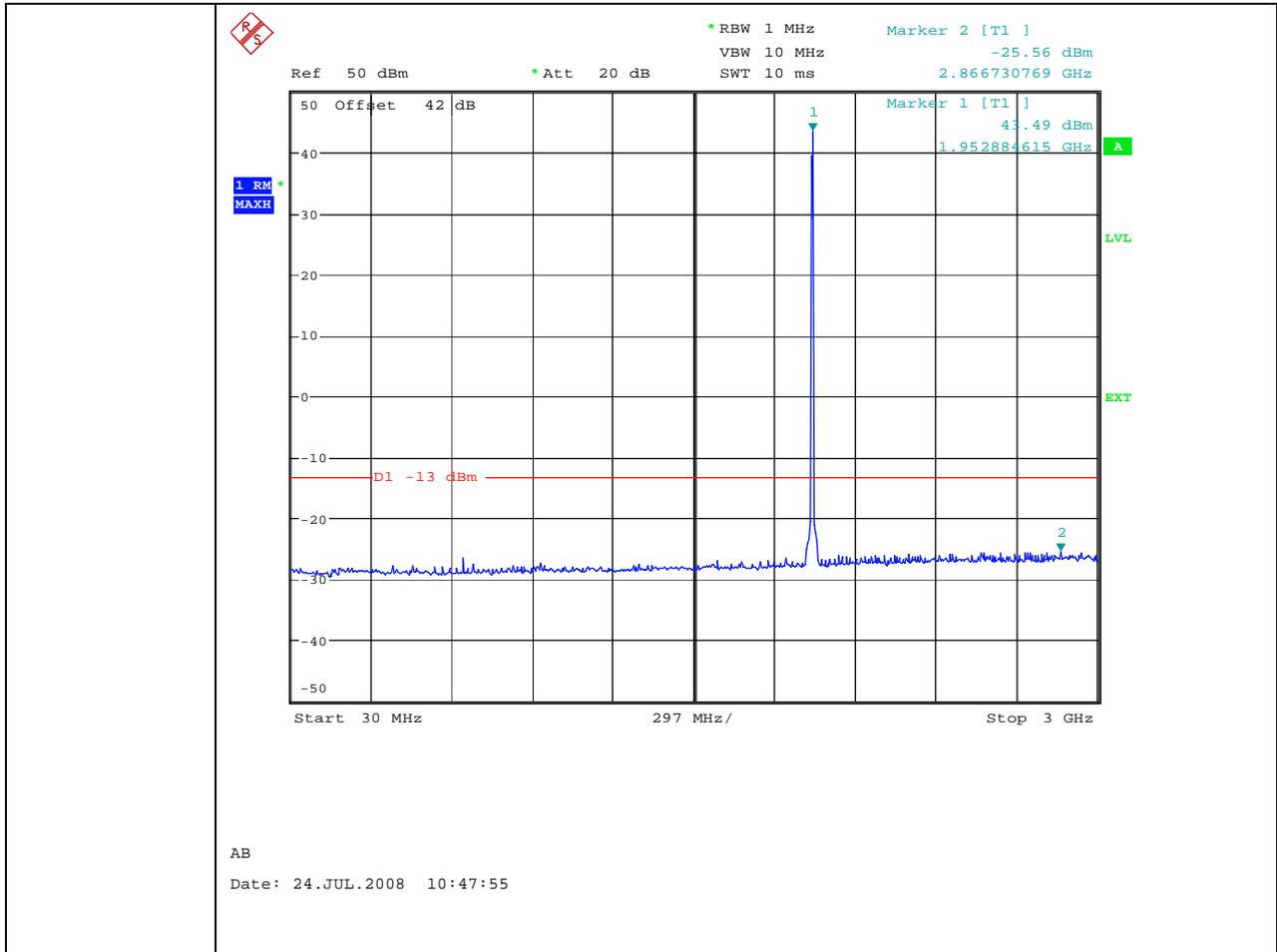


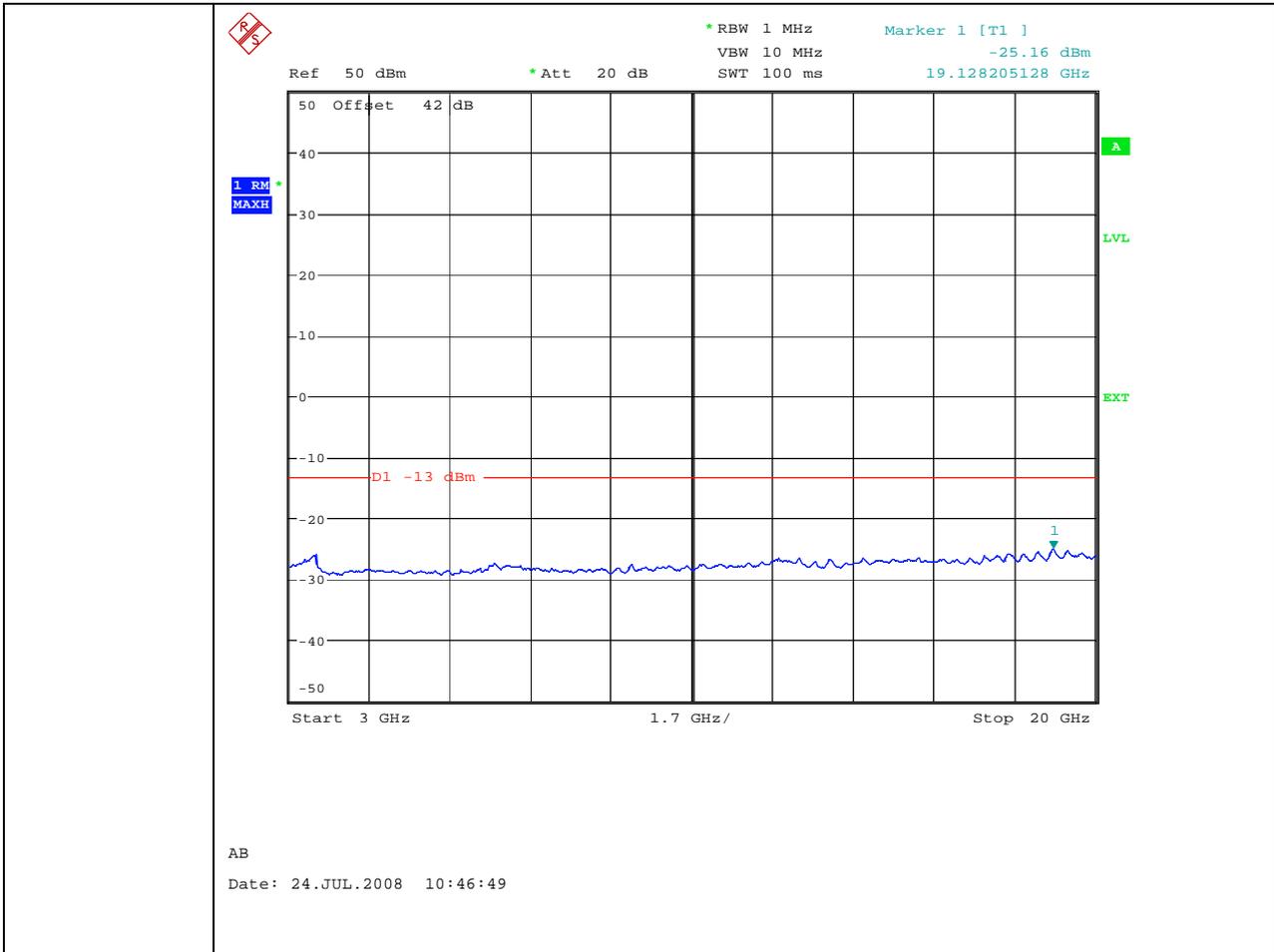
\*RBW 1 kHz  
 VBW 10 kHz  
 SWT 145 ms  
 Marker 1 [T1 ]  
 -33.58 dBm  
 66.394230769 kHz



AB  
 Date: 24.JUL.2008 10:49:01

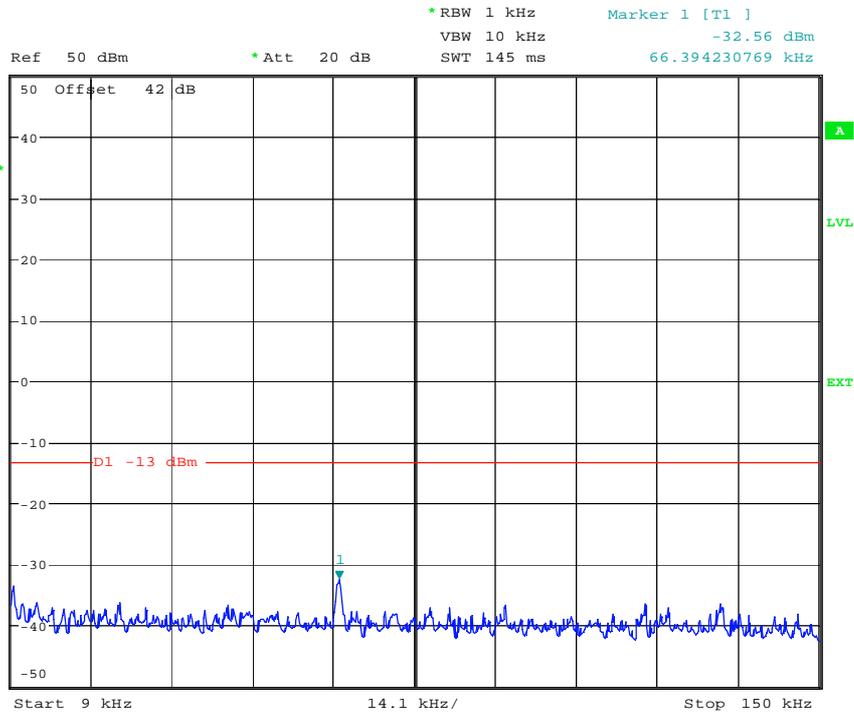




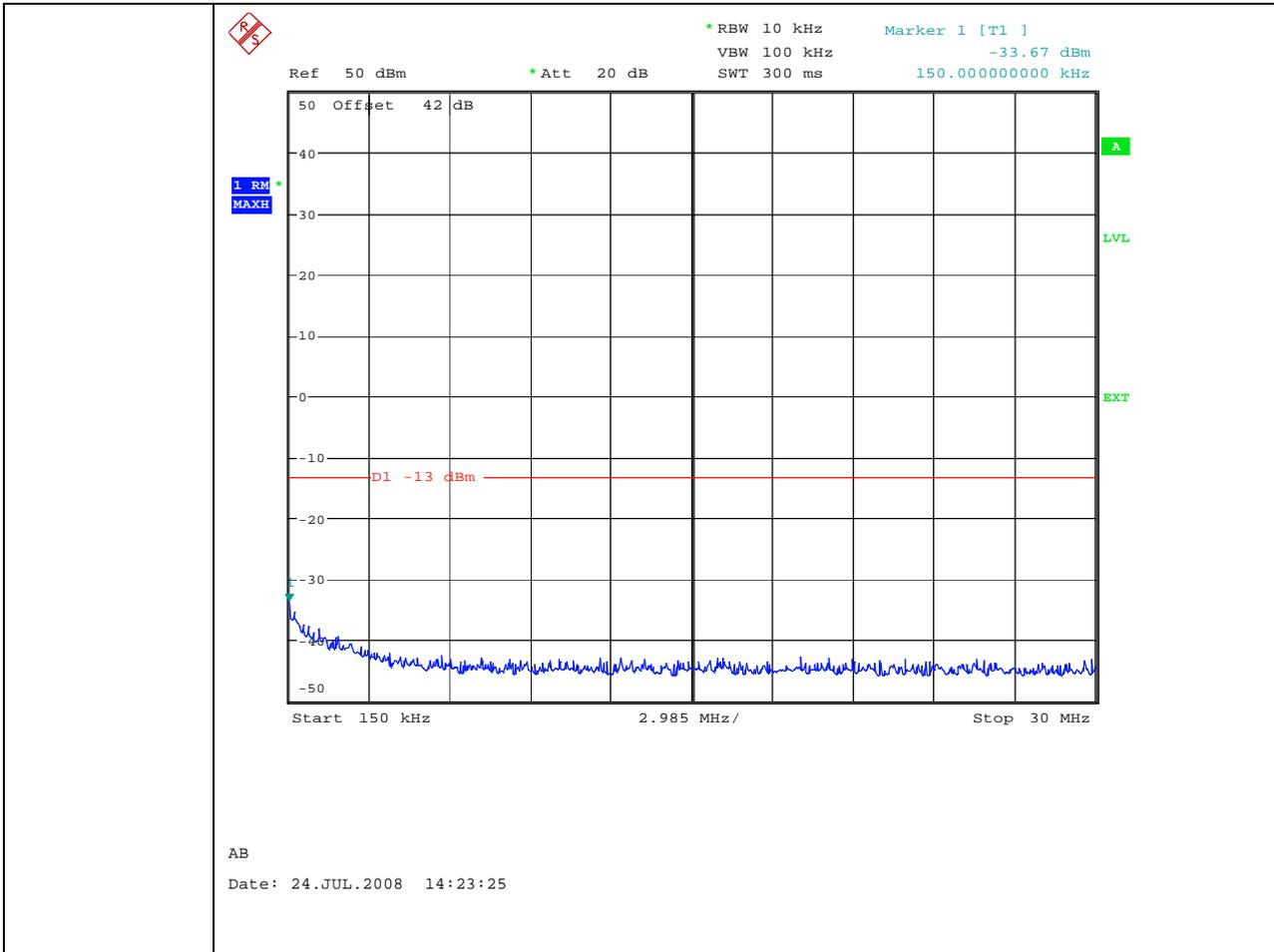


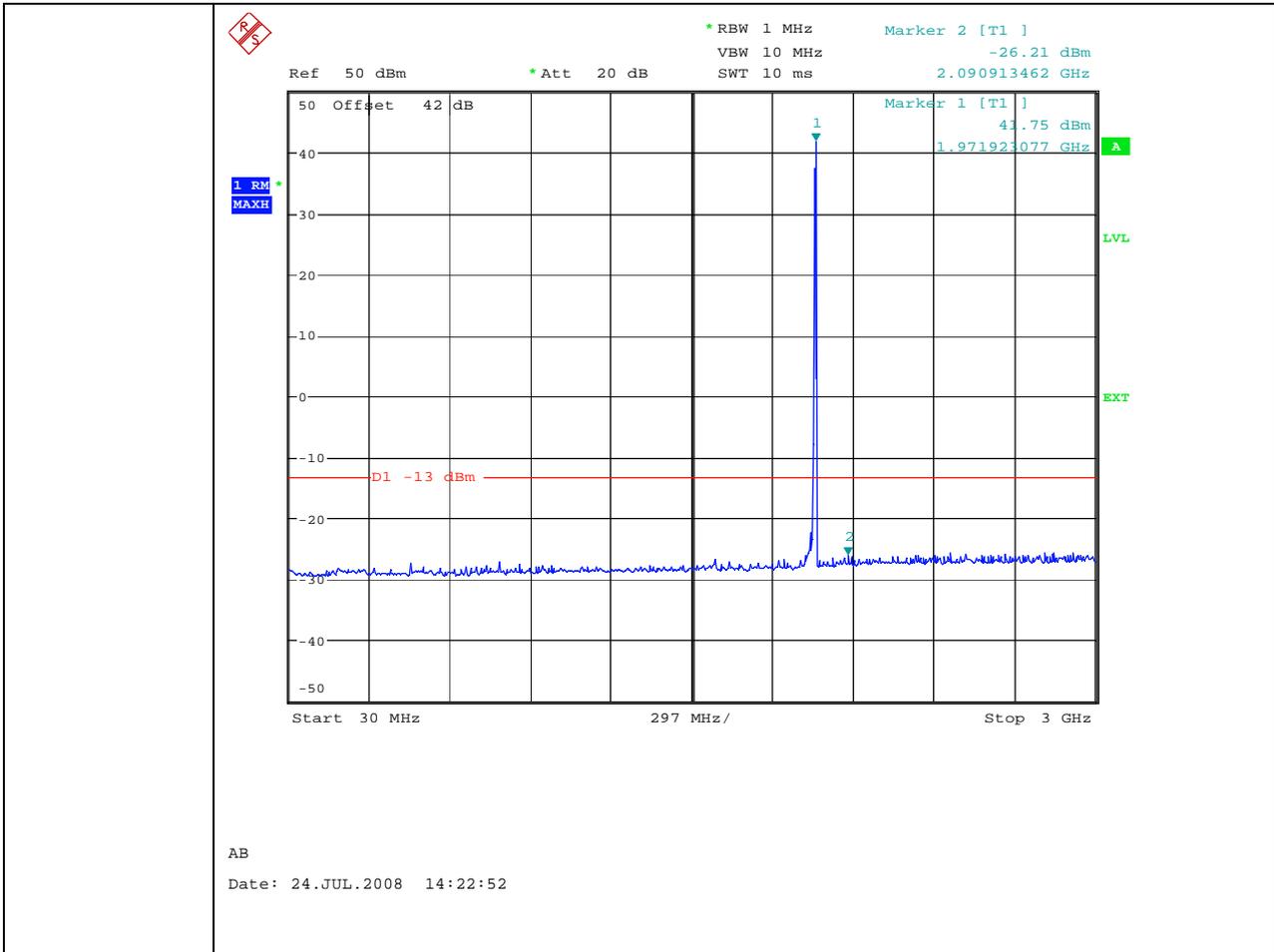


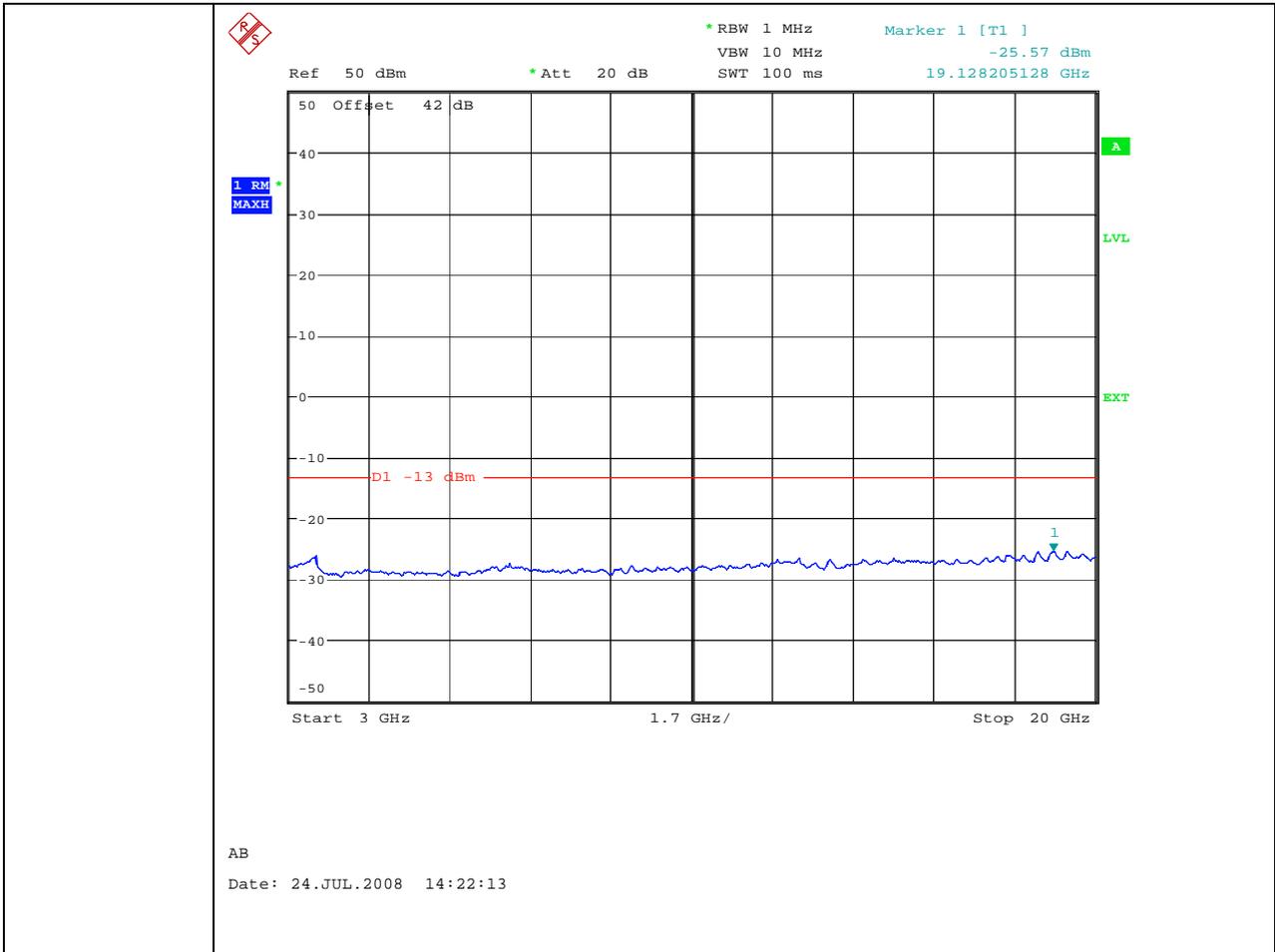
No.9838  
 1967.6MHz



AB  
 Date: 24.JUL.2008 14:23:48







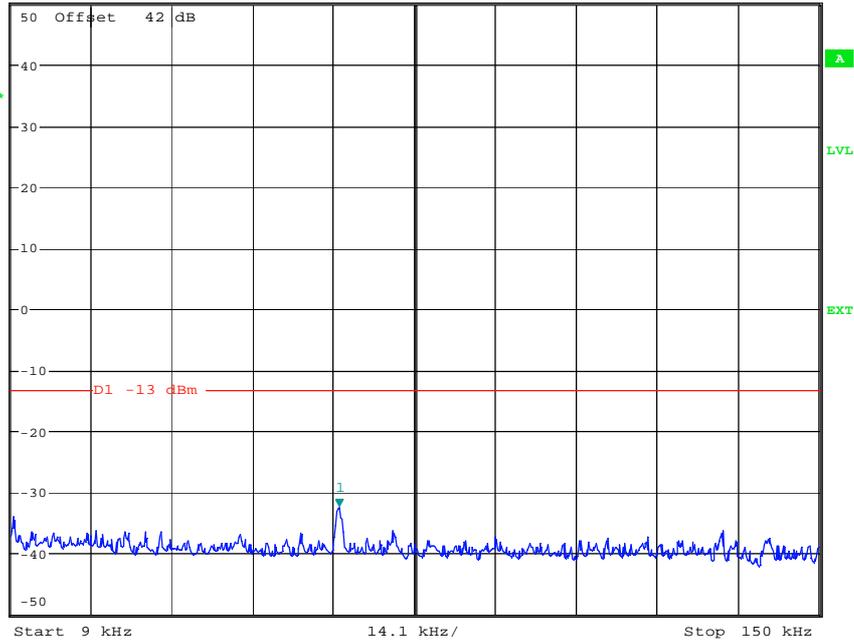


## Two Carriers

No.9662/9687  
 1932.4/1937.4  
 MHz

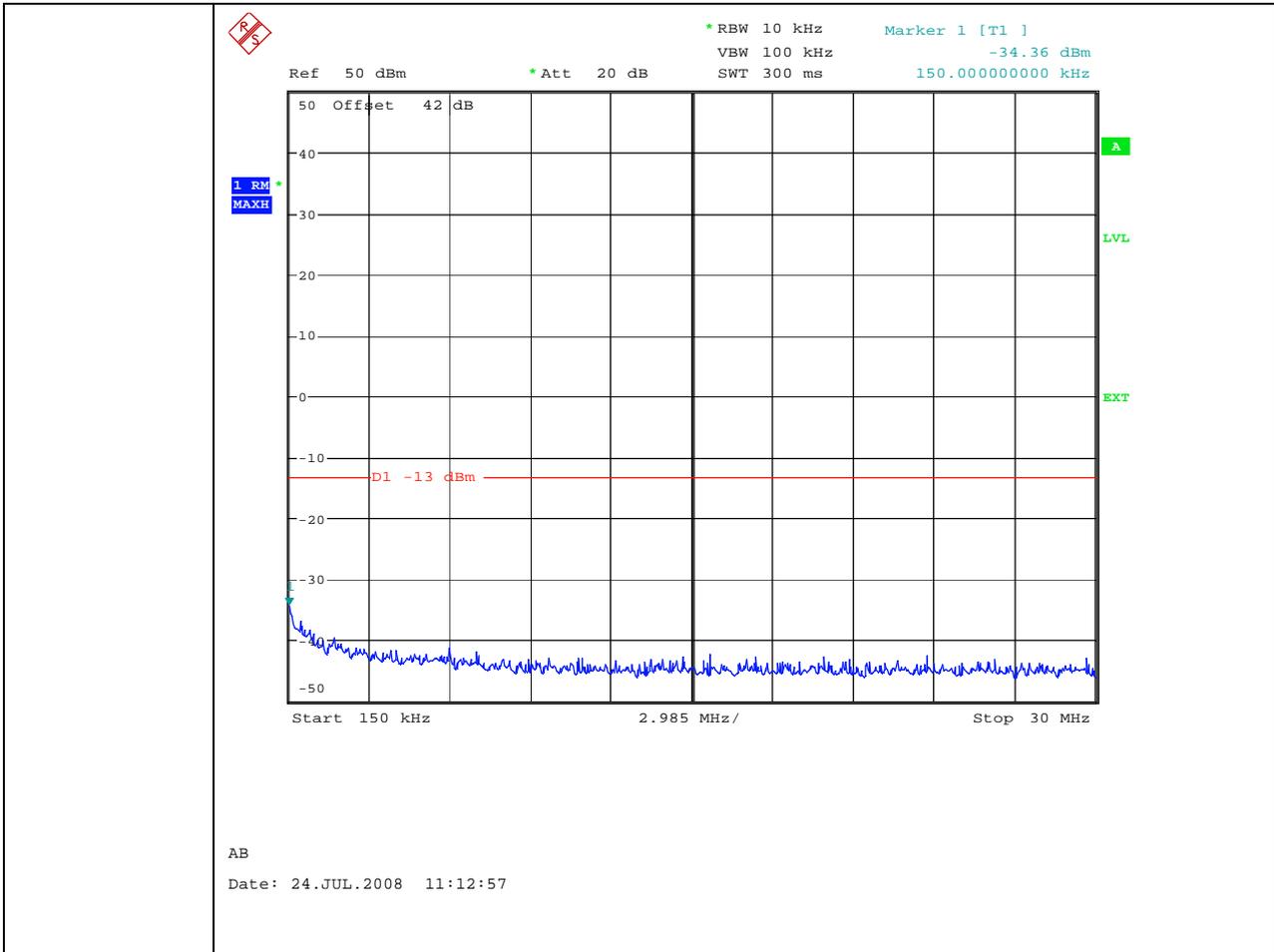


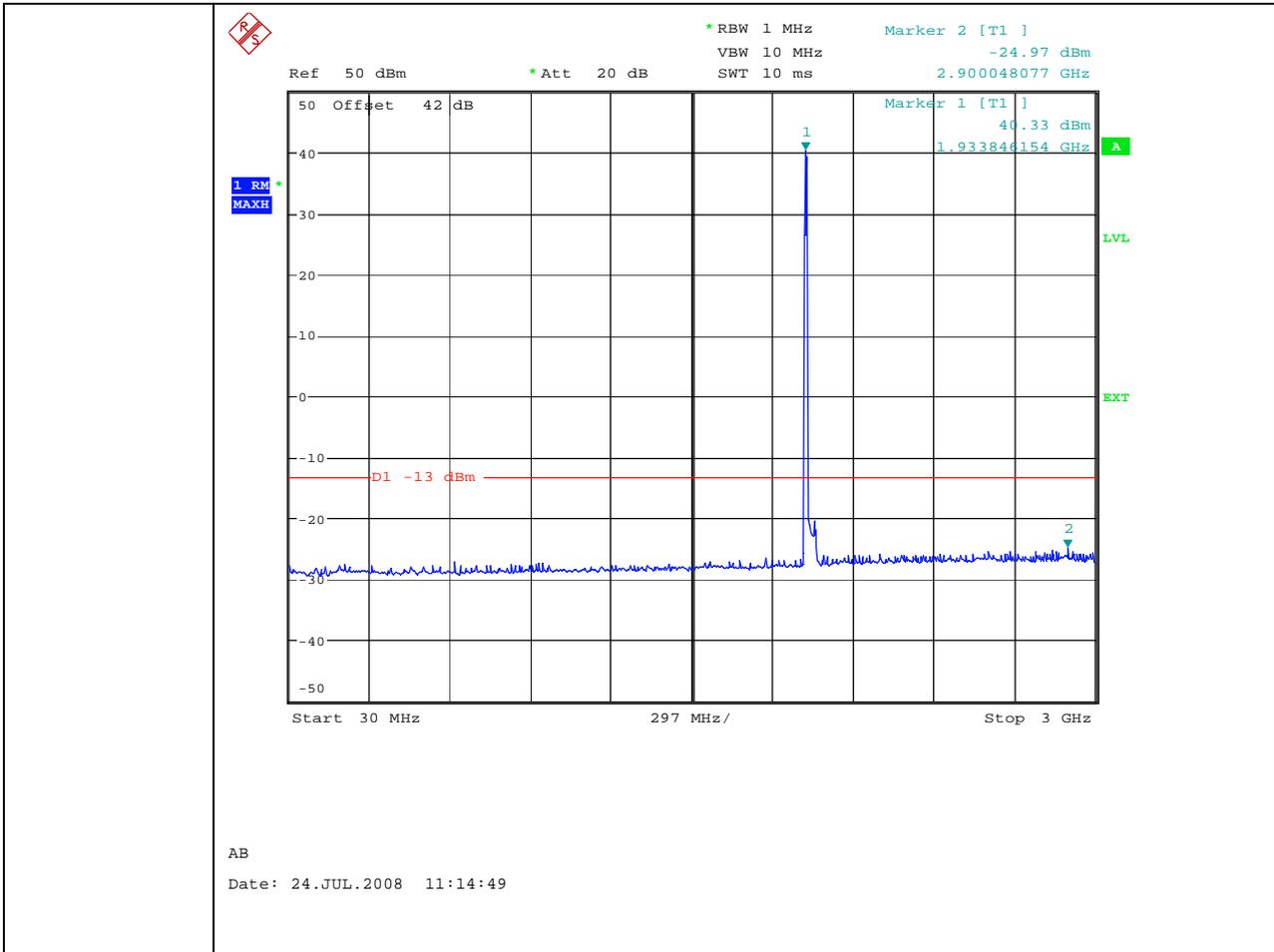
Ref 50 dBm      \* Att 20 dB      \* RBW 1 kHz      Marker 1 [T1 ]  
 VBW 10 kHz      -32.53 dBm  
 SWT 145 ms      66.394230769 kHz

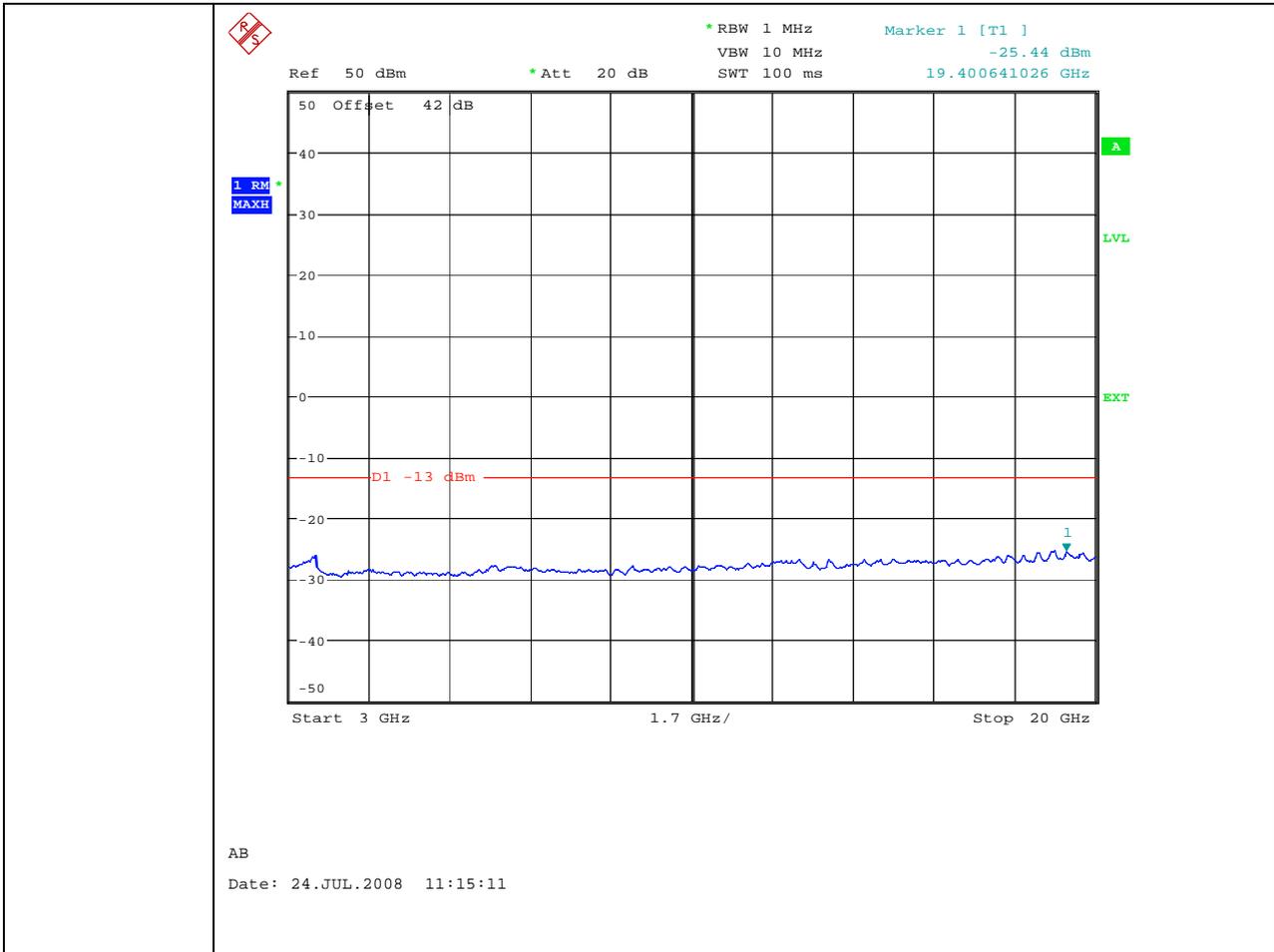


AB

Date: 24.JUL.2008 11:12:25

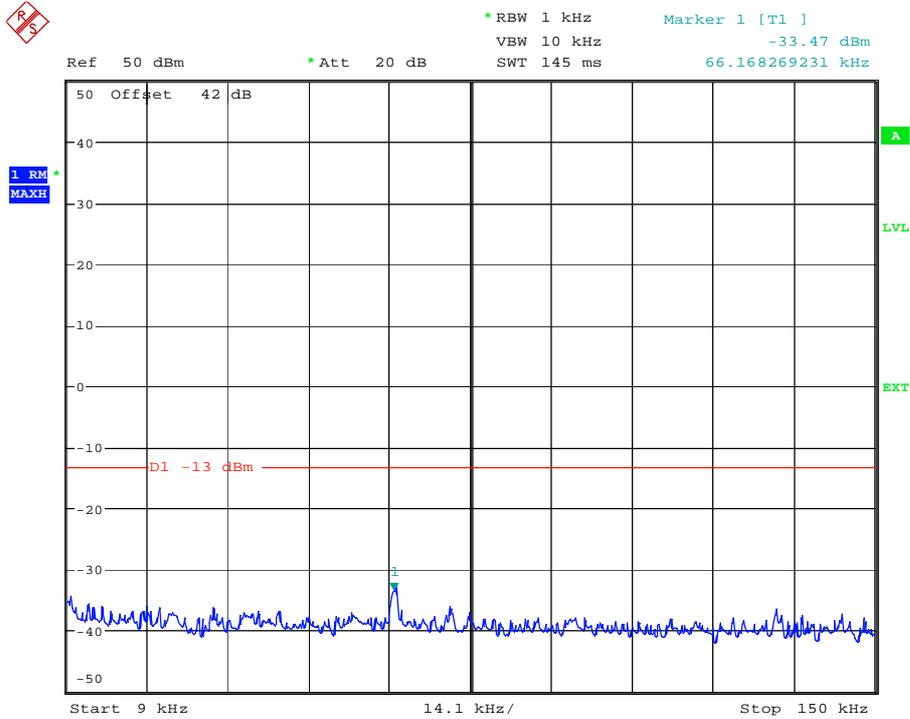




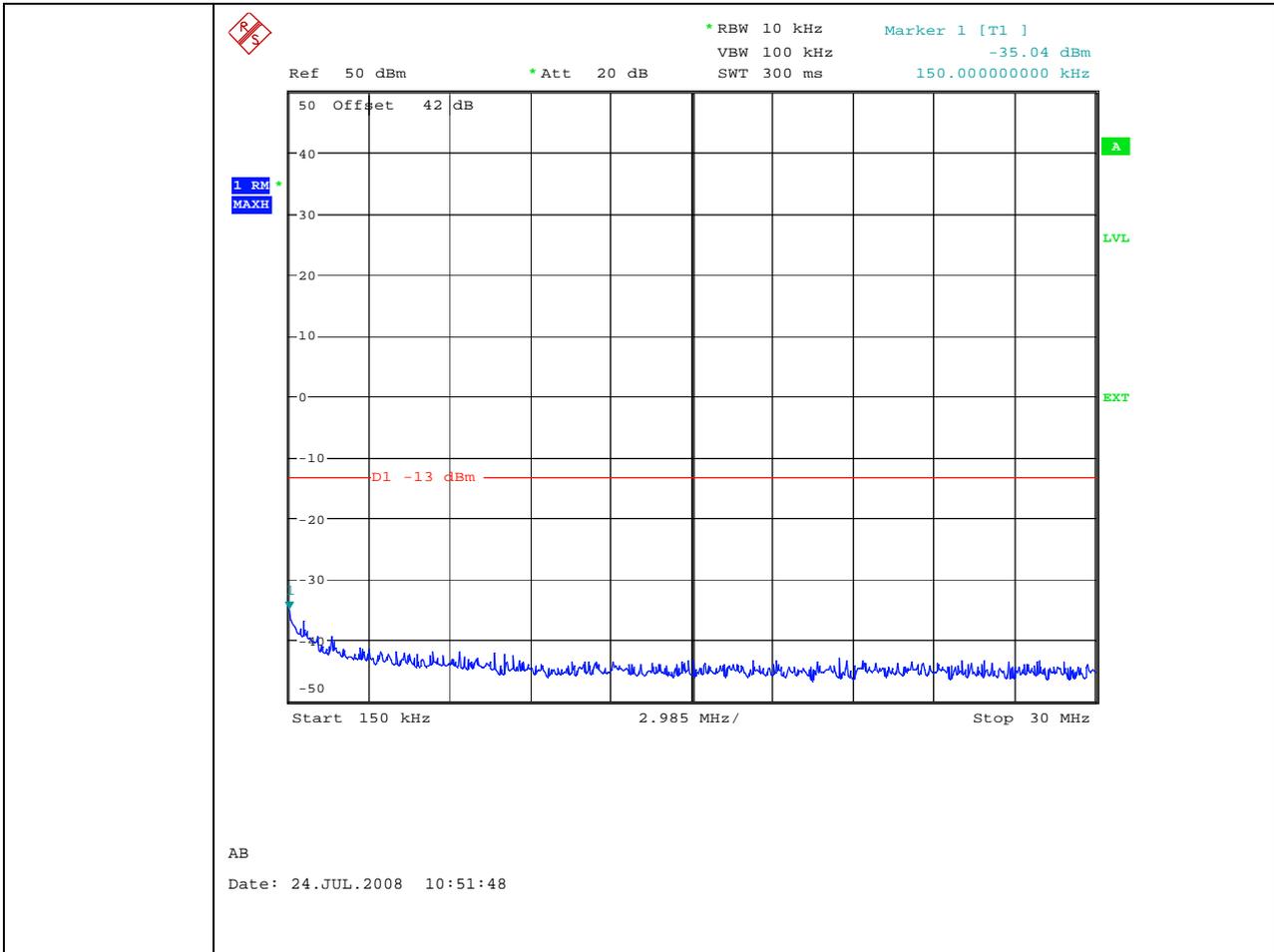


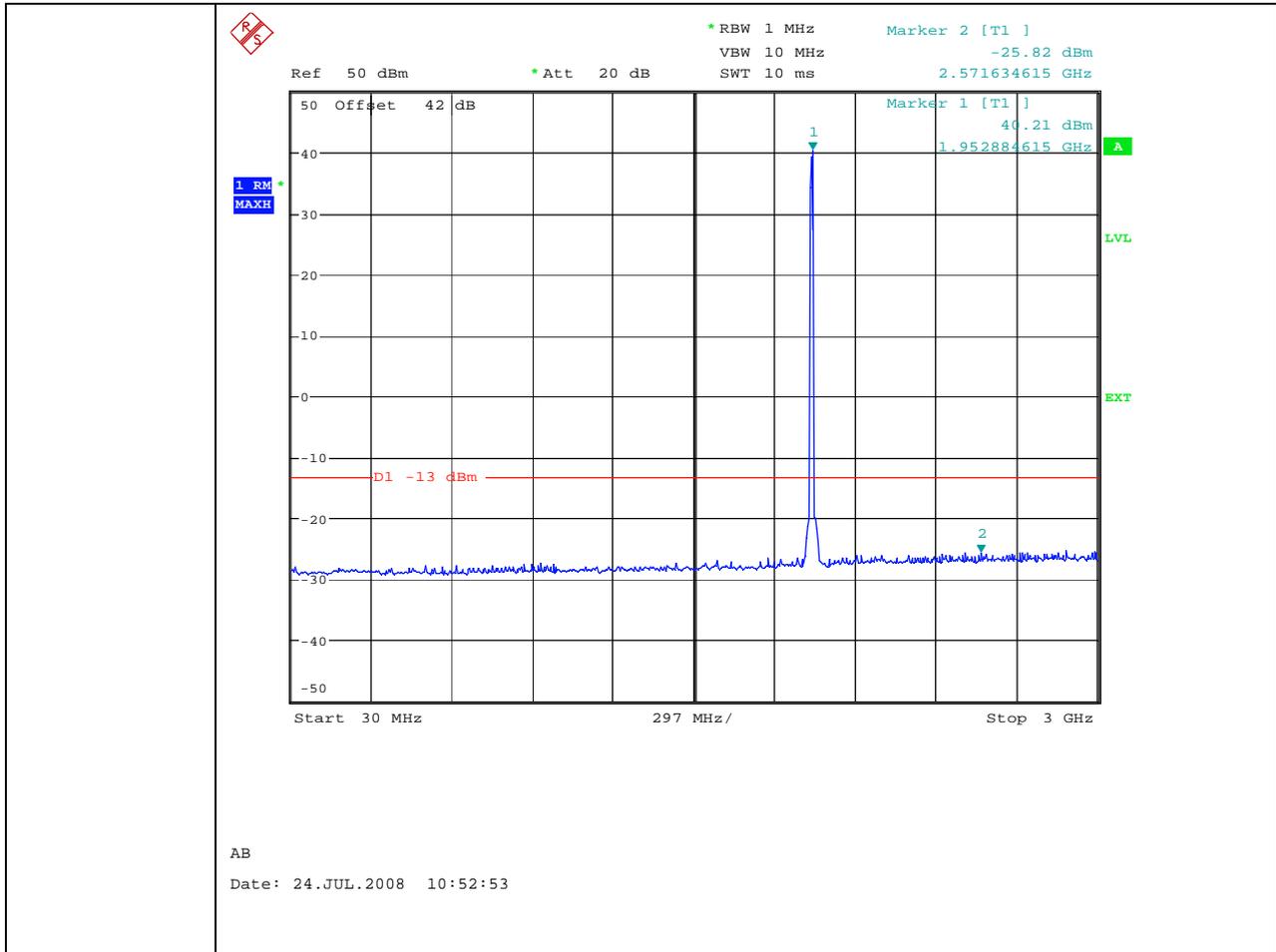


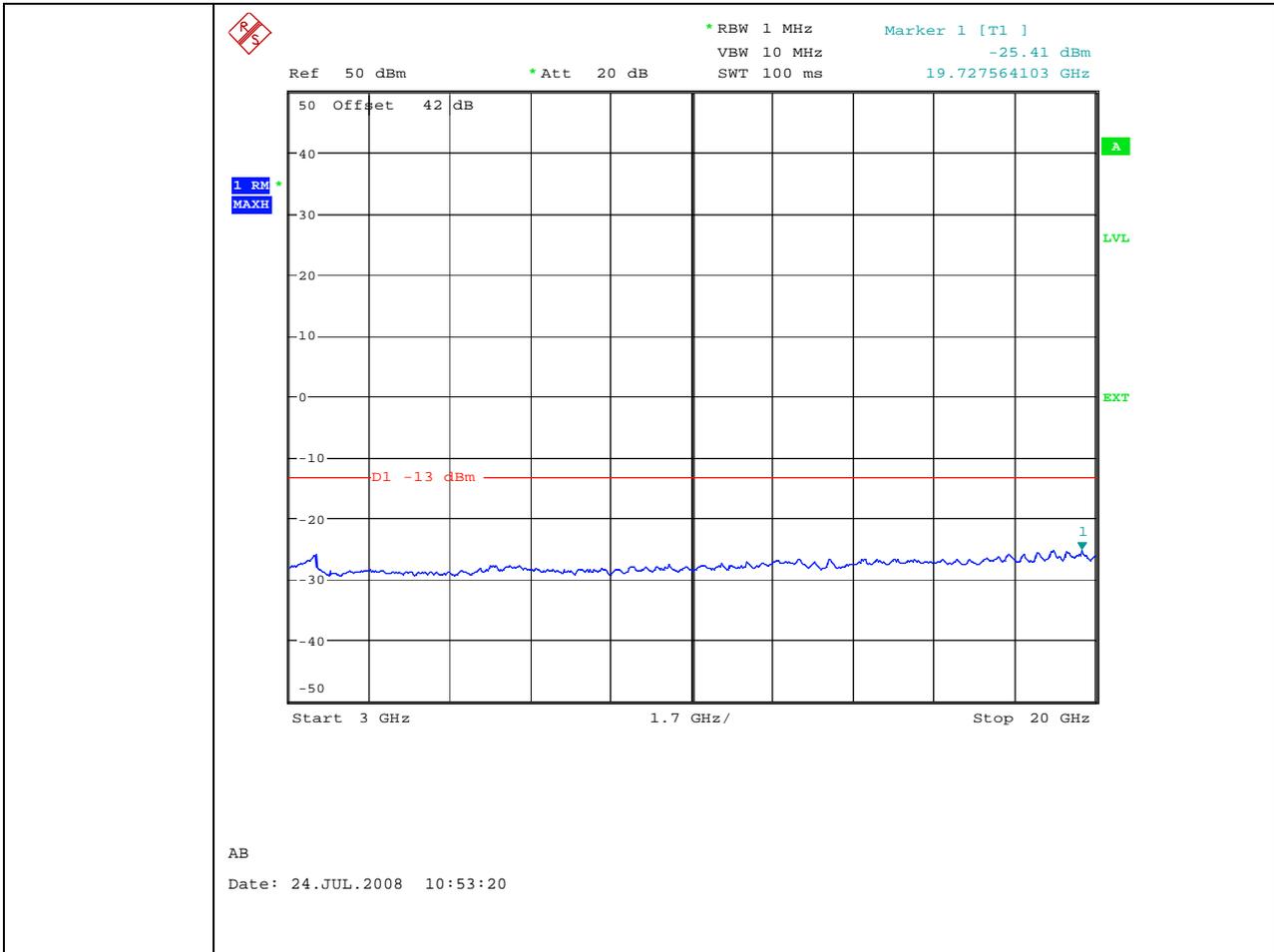
No.9725/9750  
 1945/1950MH  
 Z



AB  
 Date: 24.JUL.2008 10:51:25

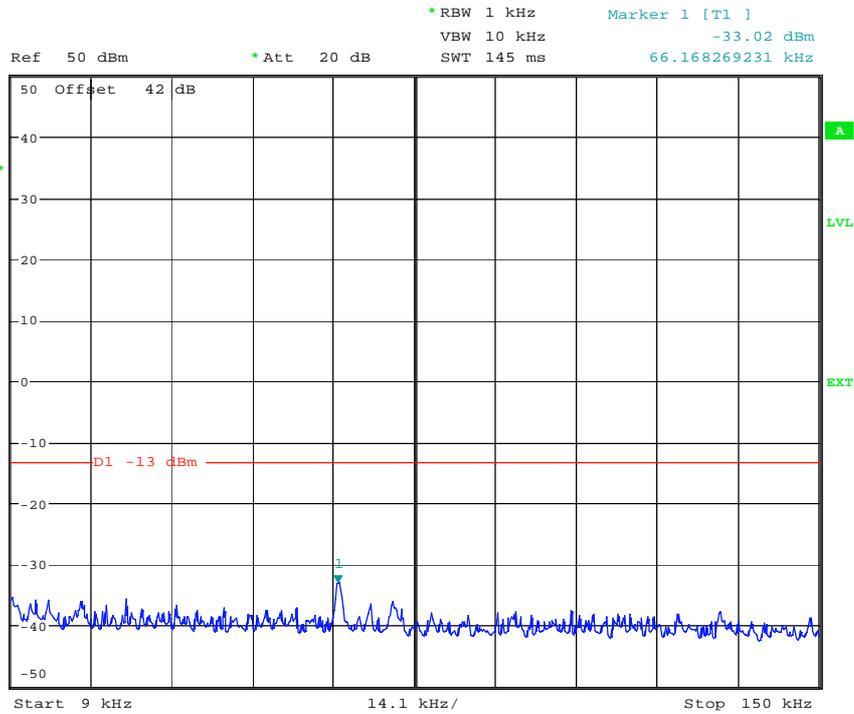




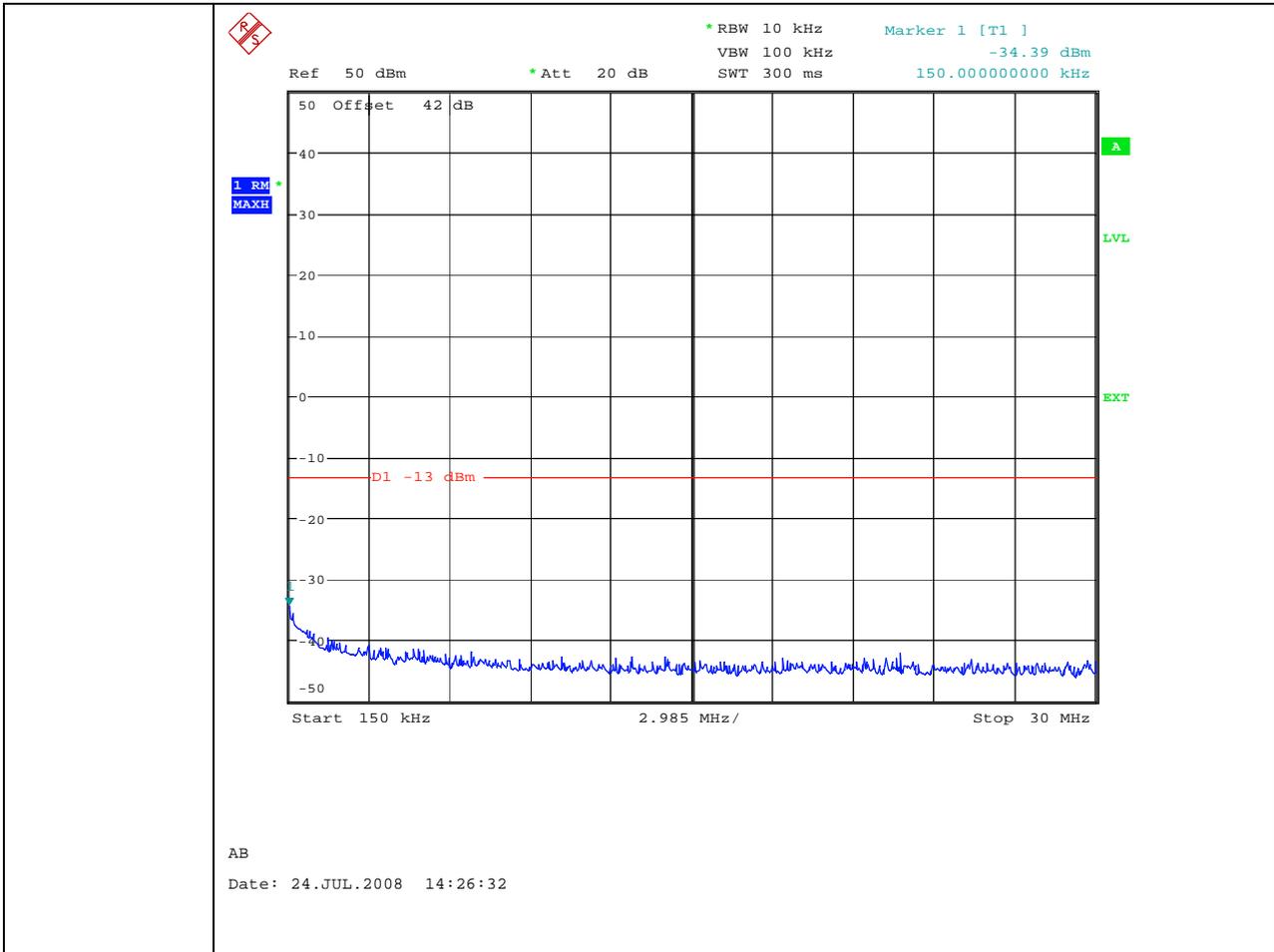


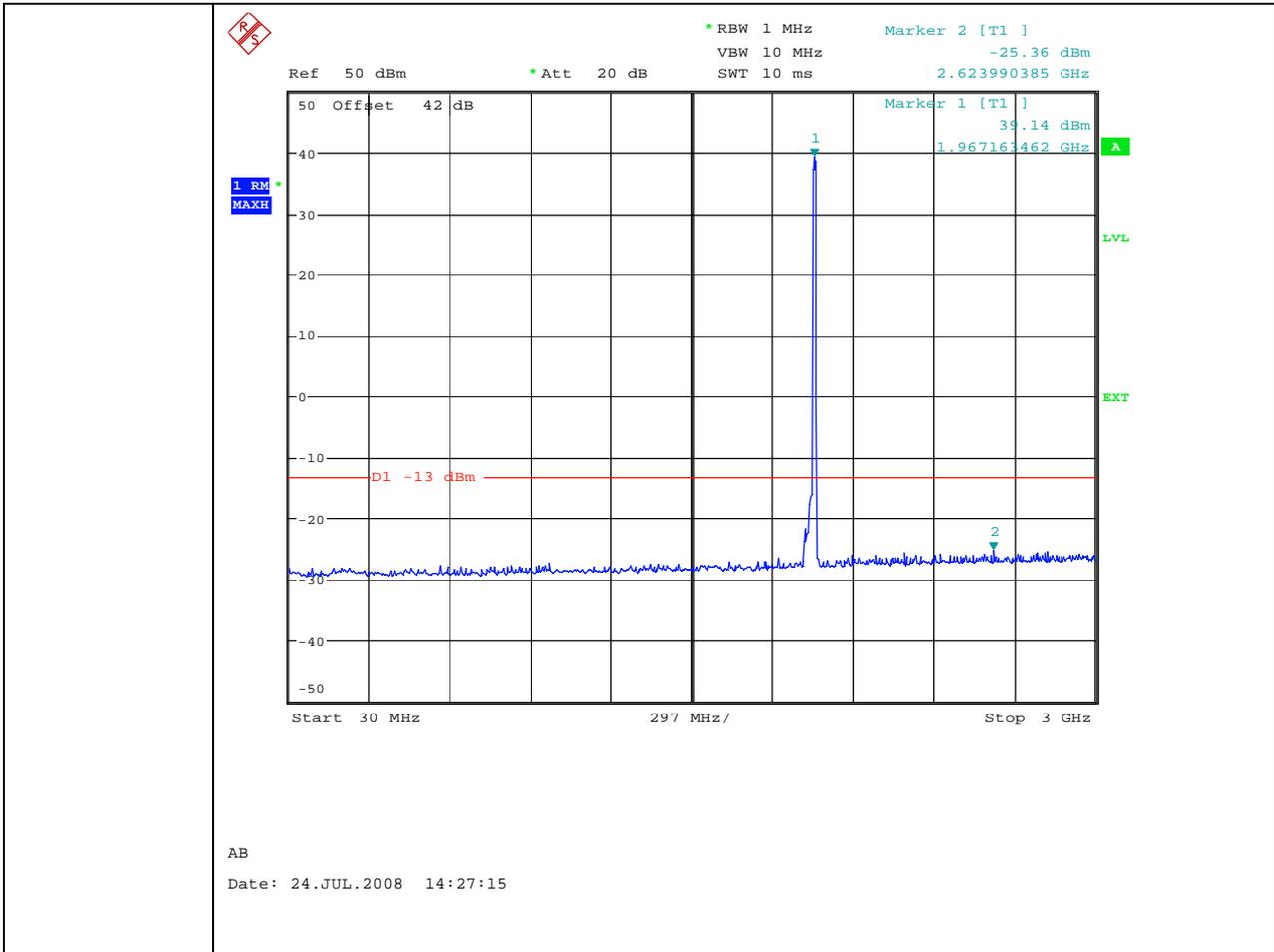


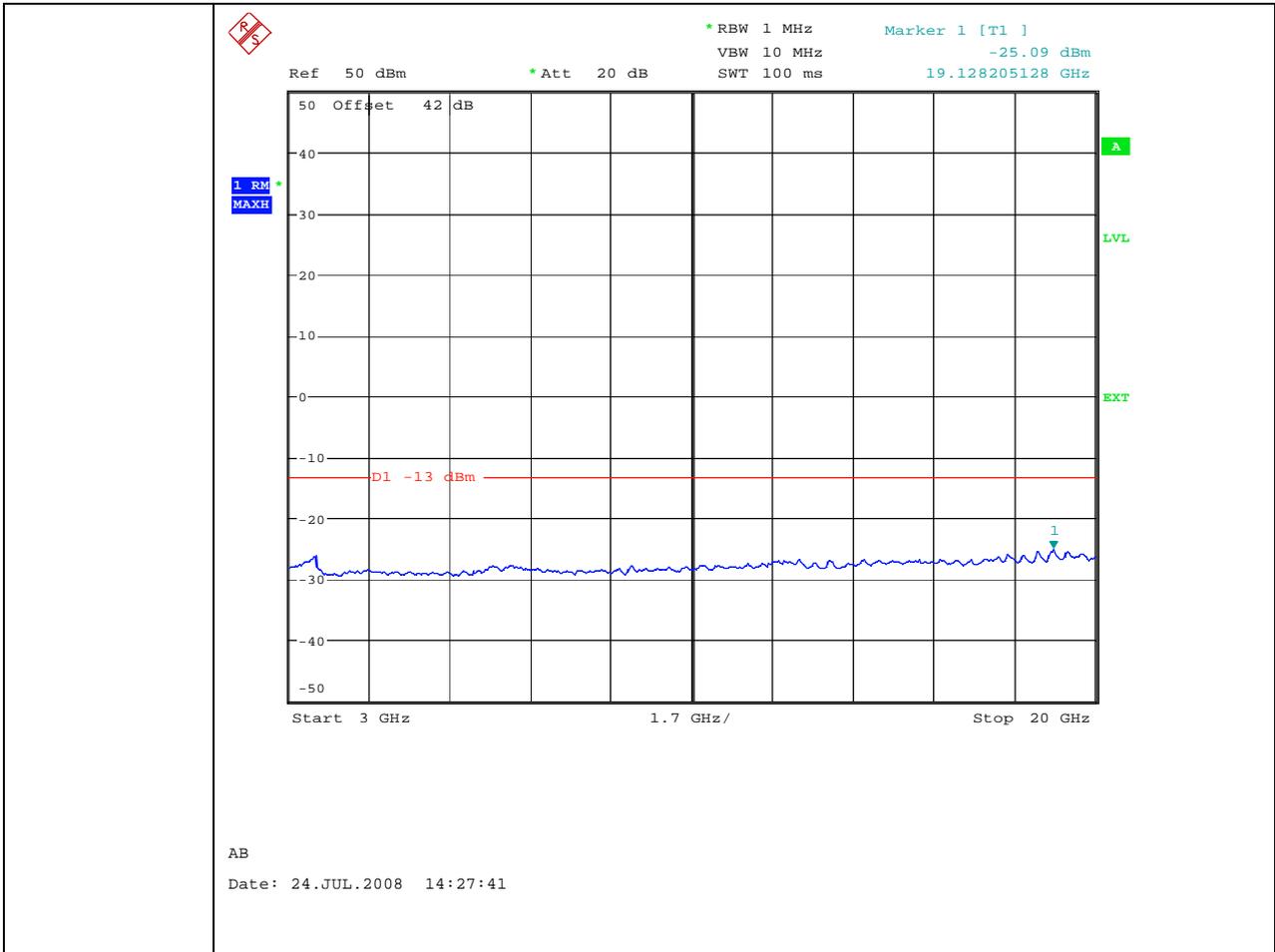
No.  
 9813/9838  
 1962.6/1967.6  
 MHz



AB  
 Date: 24.JUL.2008 14:25:56





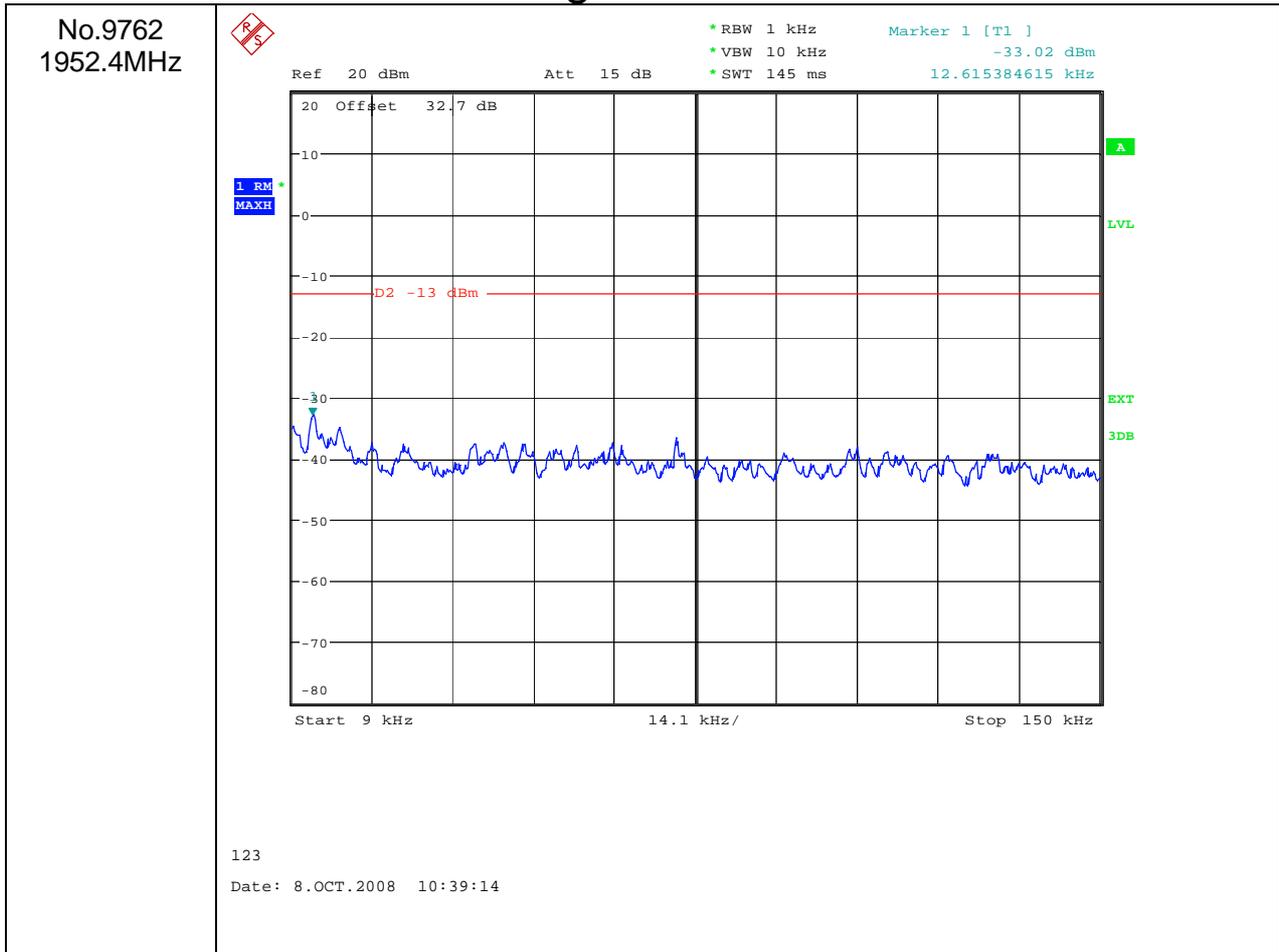


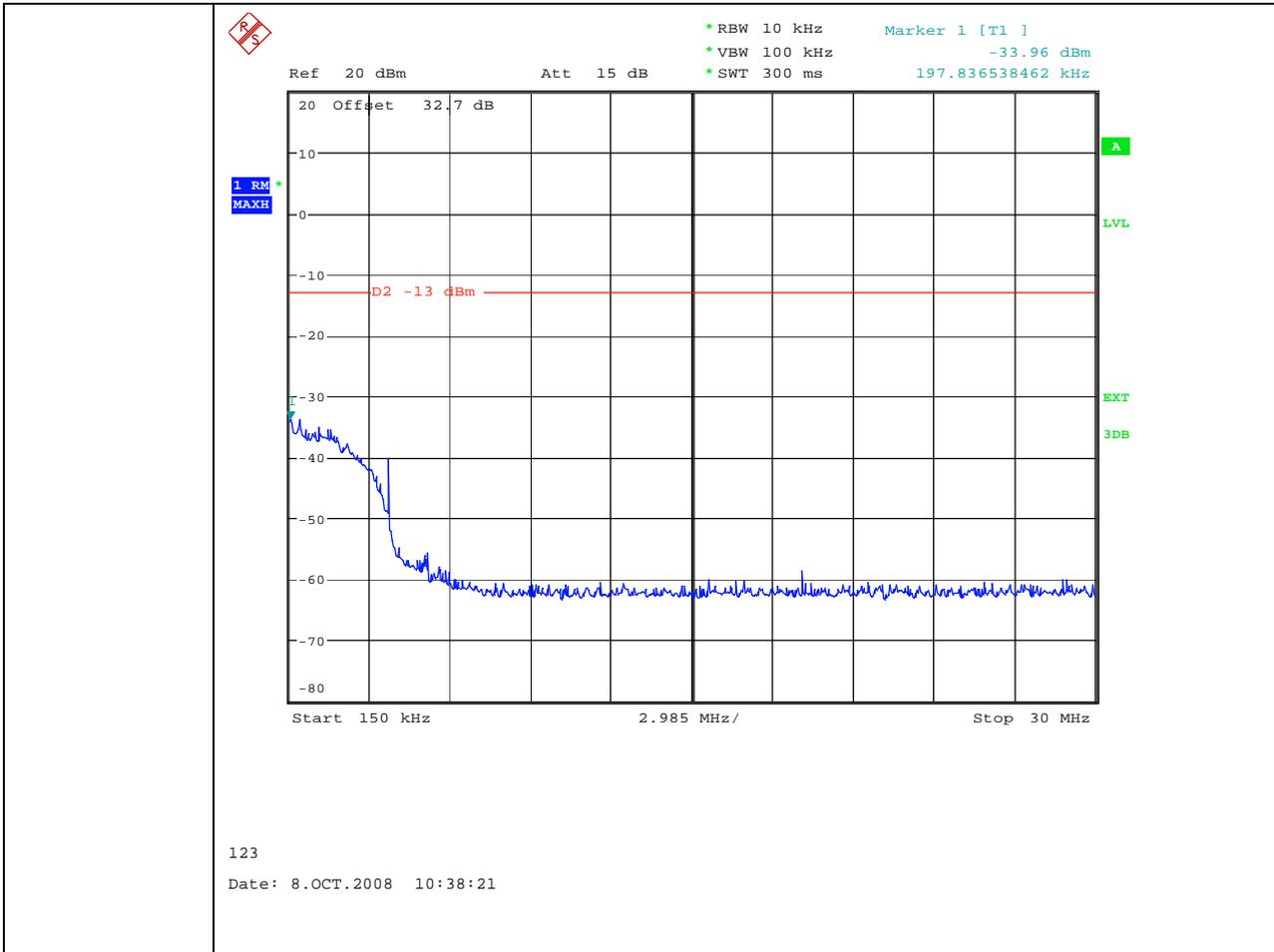


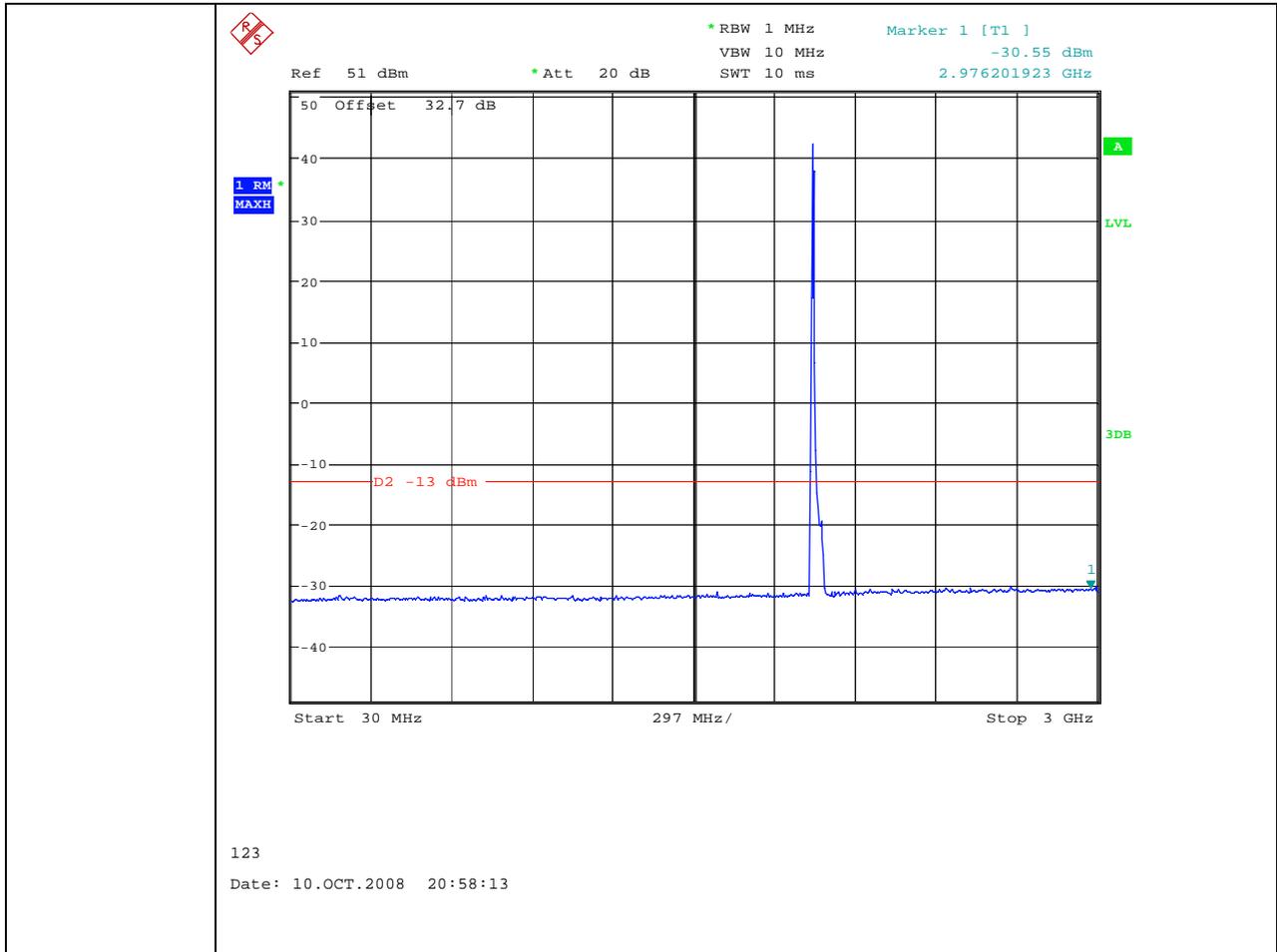
## (2) PCS Higher Band

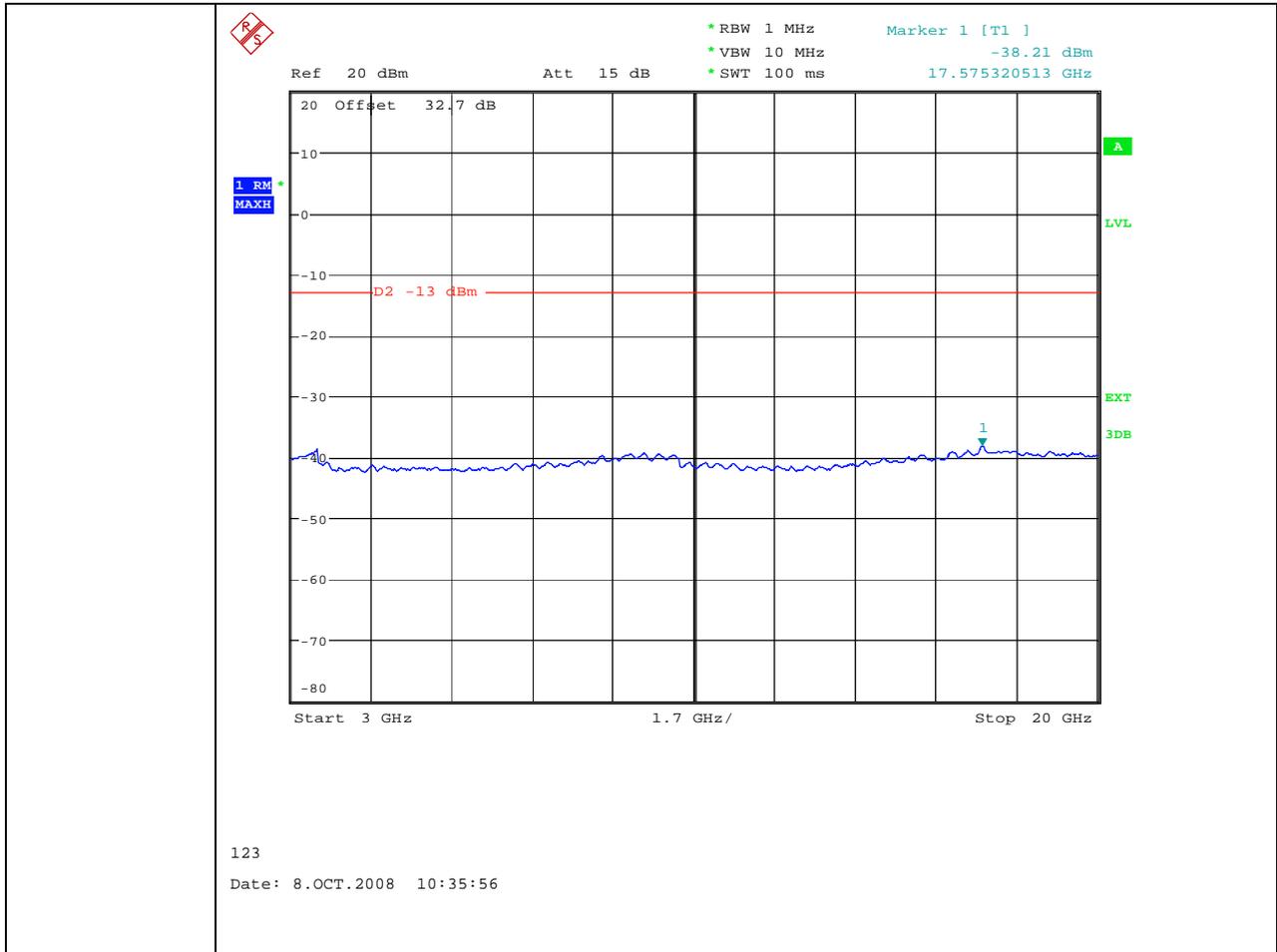
### TM1: QPSK

### Single Carrier



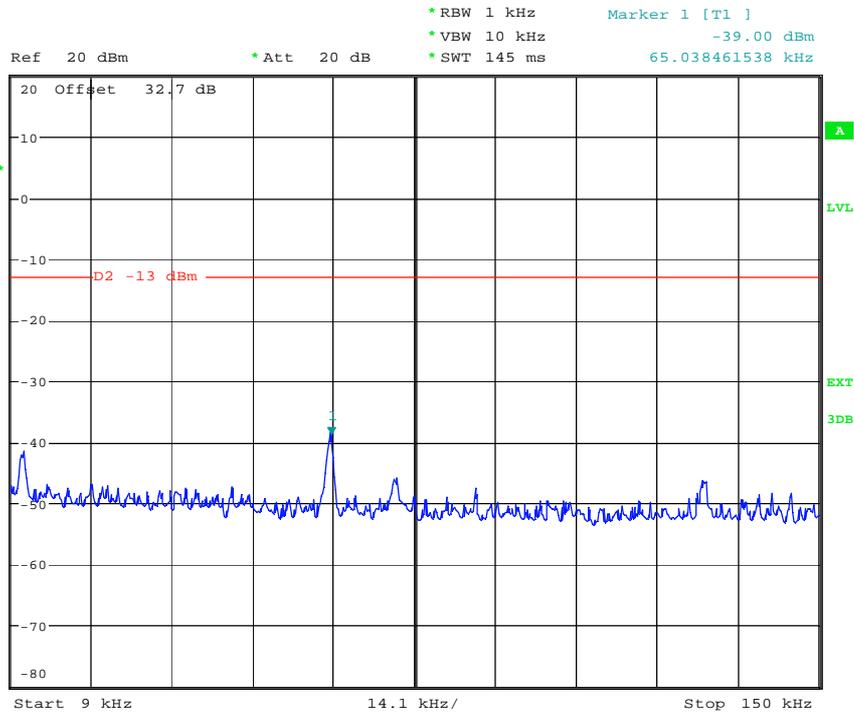






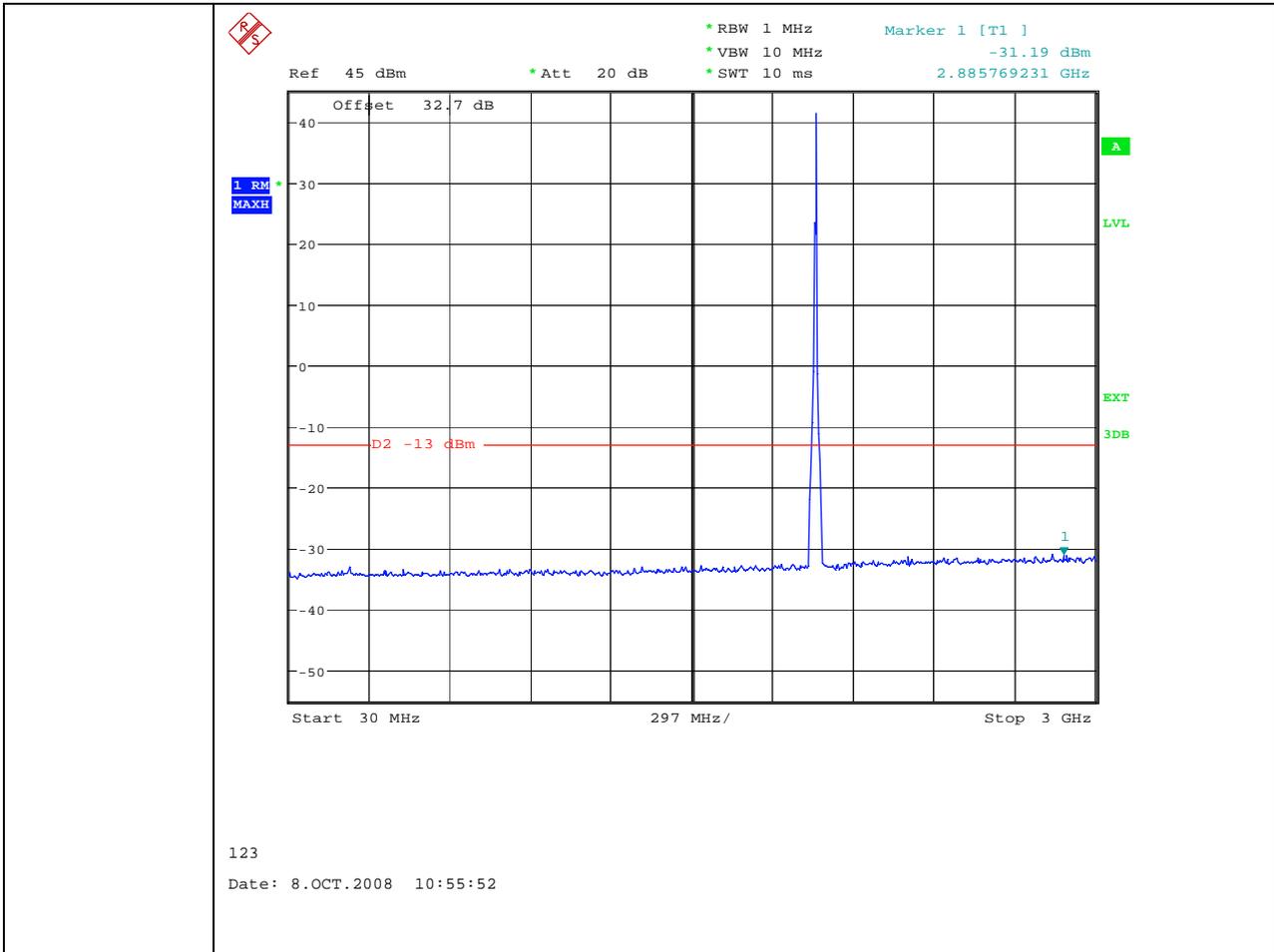


No.9850  
 1970MHz



123  
 Date: 8.OCT.2008 10:49:37

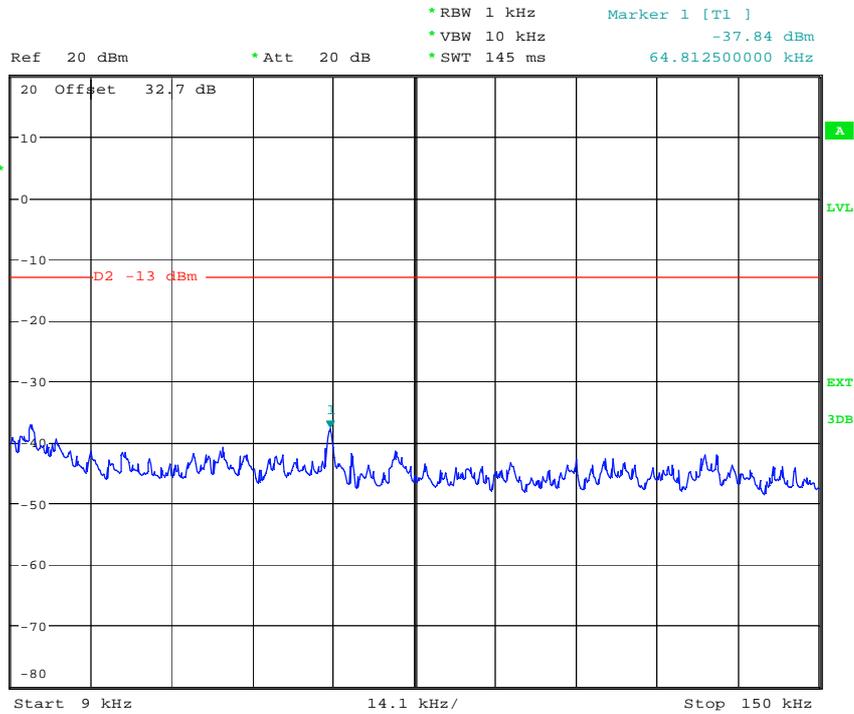




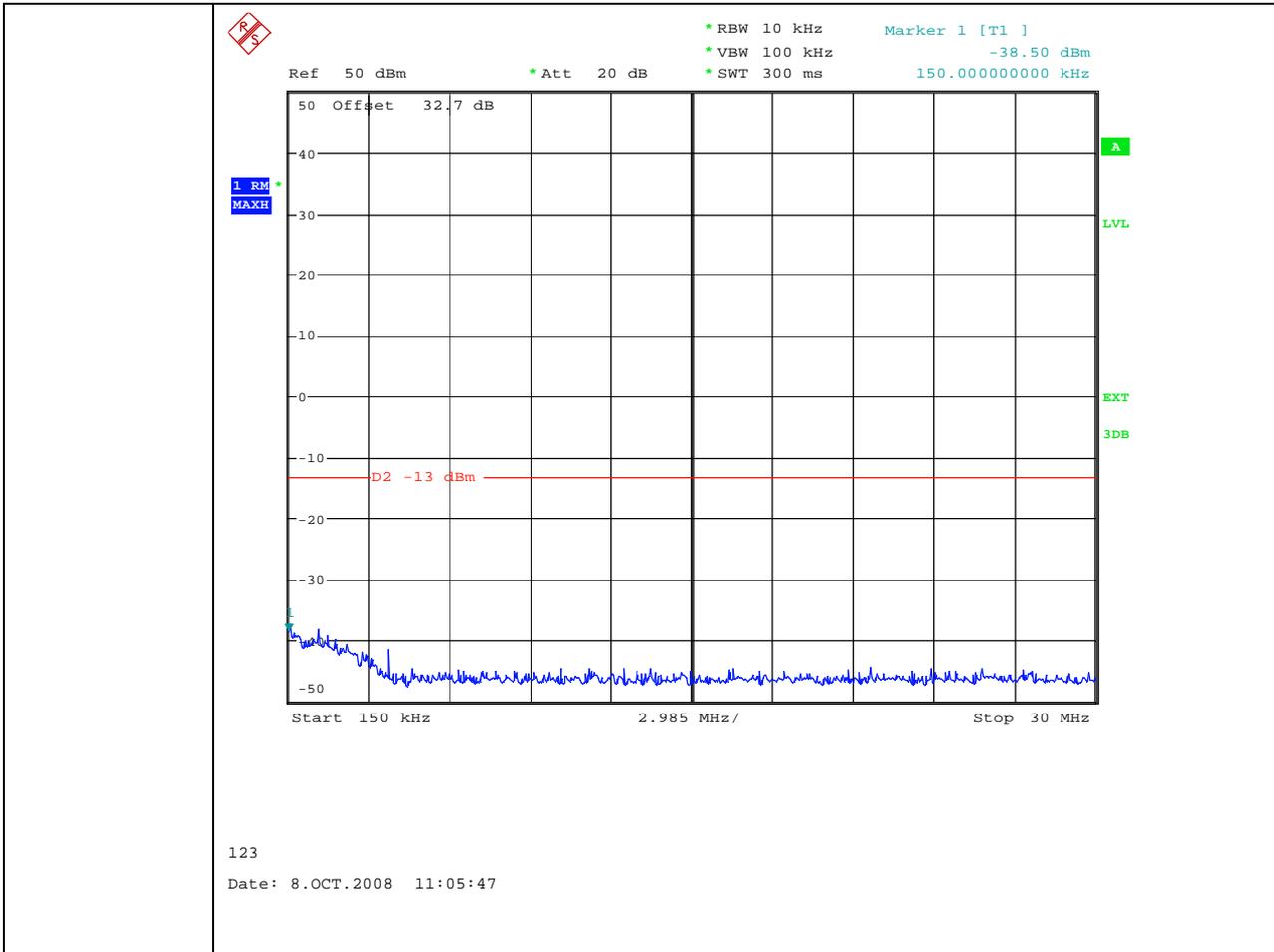


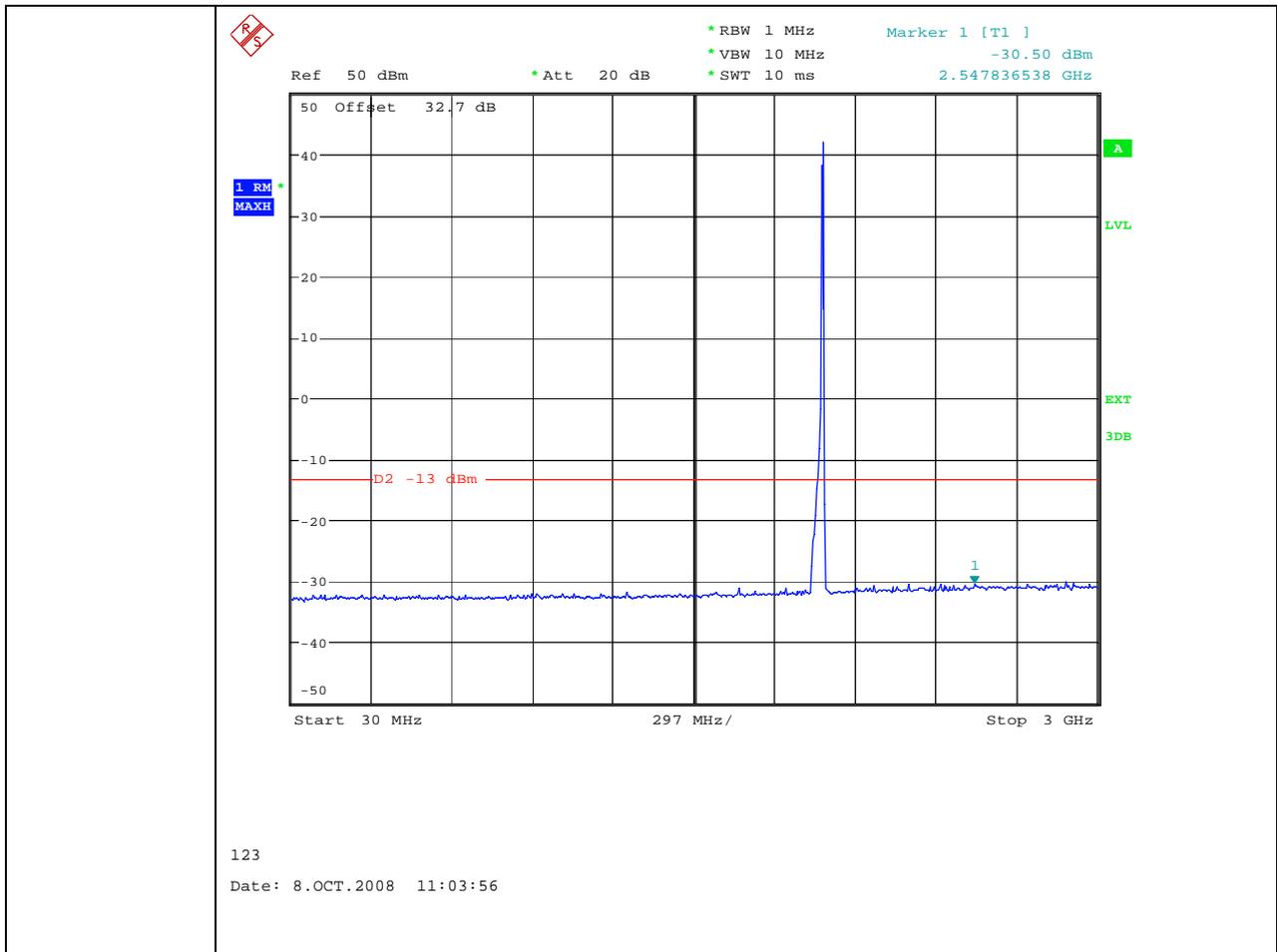


No.9938  
 1987.6MHz



123  
 Date: 8.OCT.2008 11:06:32







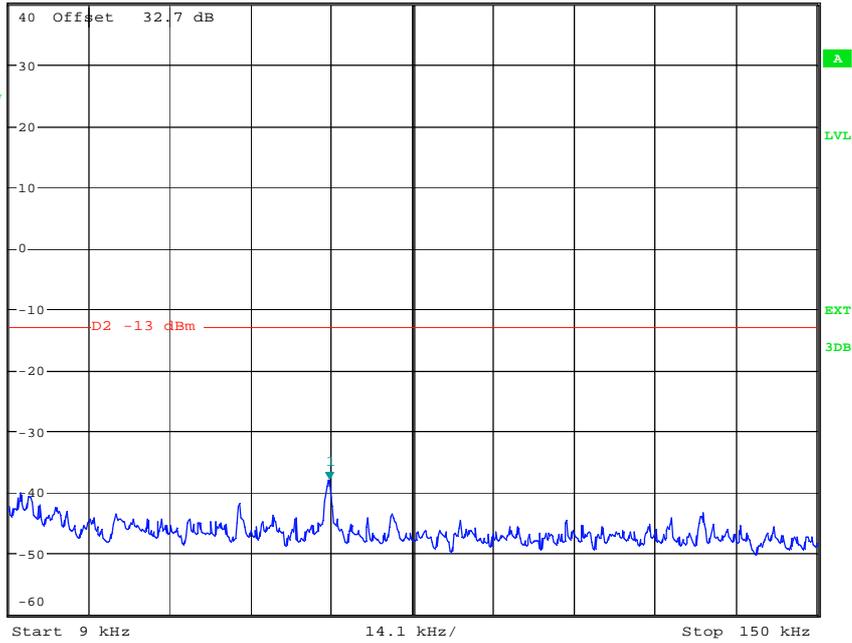


## Two Carriers

No.9762/9787  
 1952.4/1957.4  
 MHz

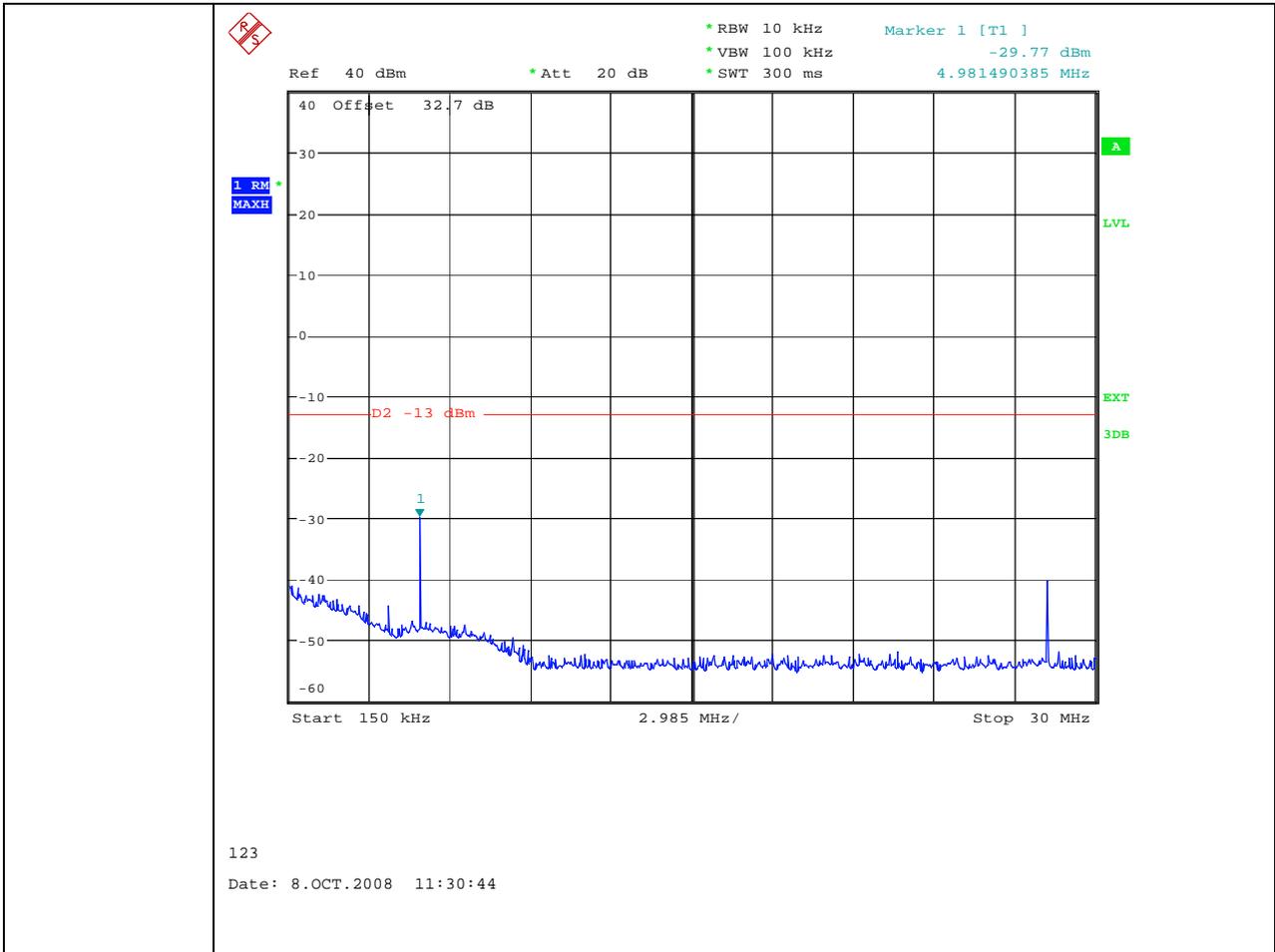


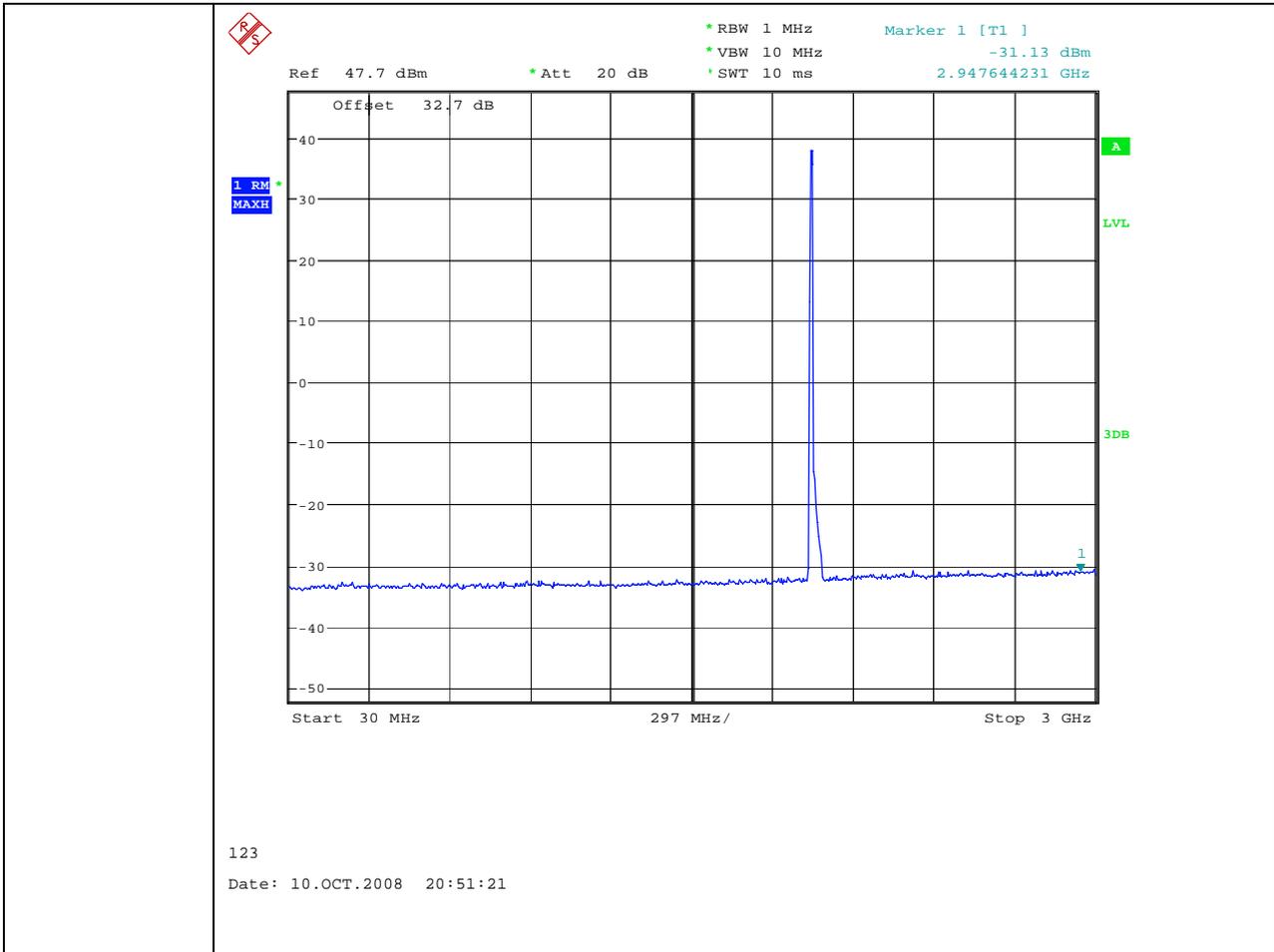
Ref 40 dBm \* Att 20 dB \* RBW 1 kHz \* VBW 10 kHz \* SWT 145 ms  
 Marker 1 [T1] -38.00 dBm  
 65.038461538 kHz

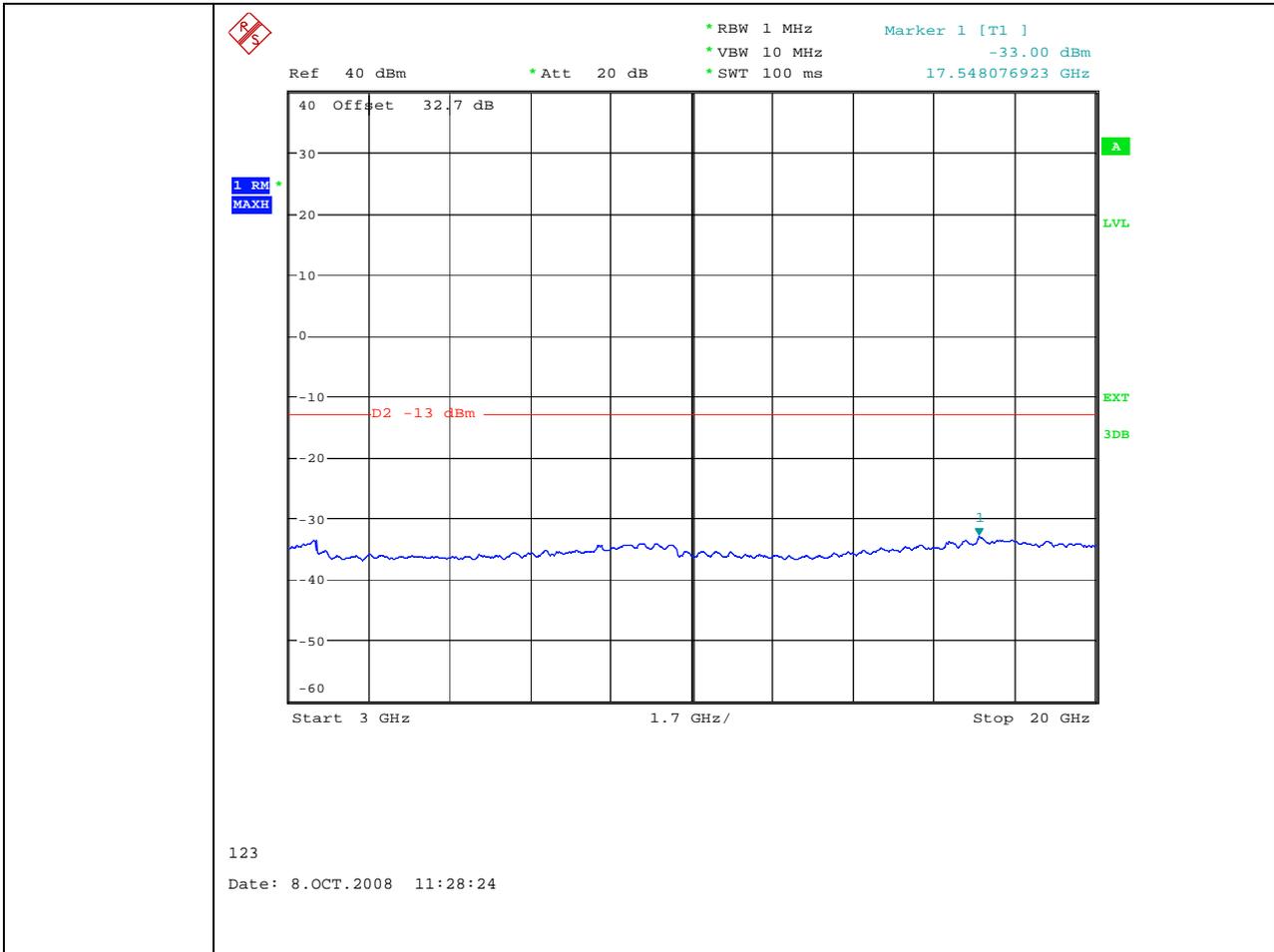


123

Date: 8.OCT.2008 11:31:33

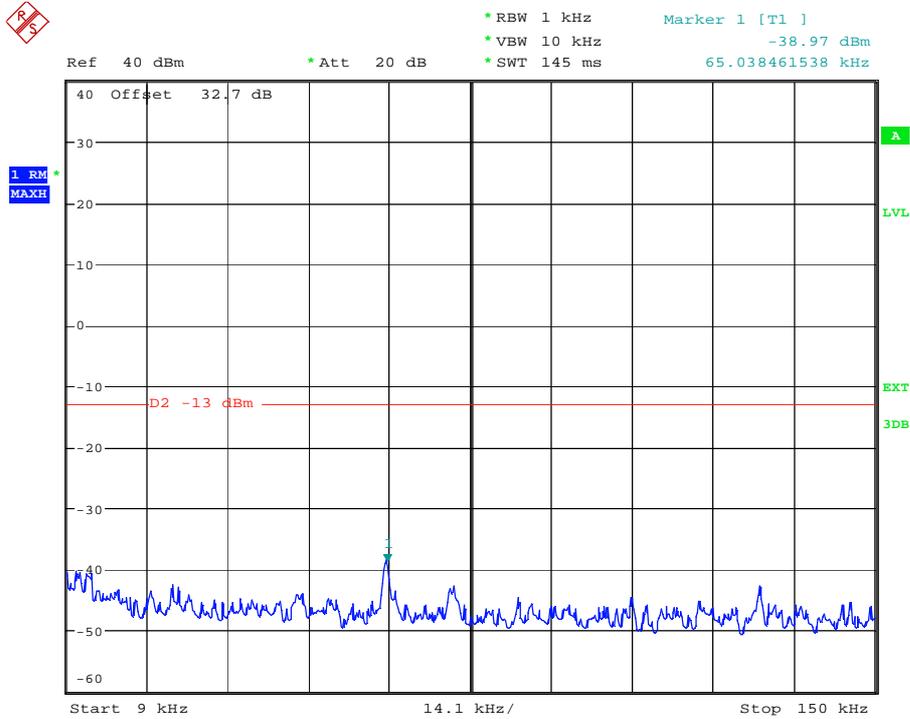




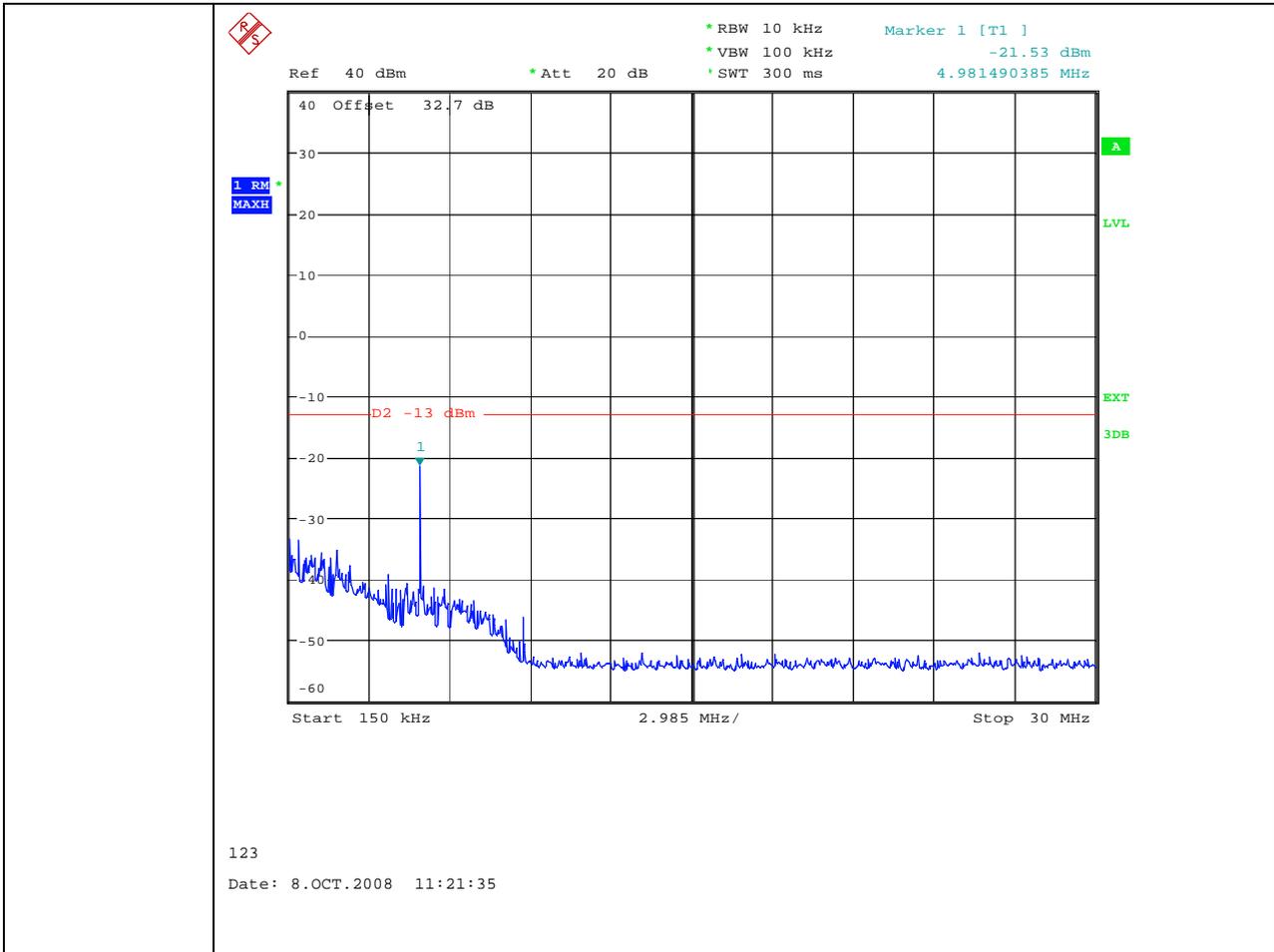




No.9850/9875  
 1970/1975MH  
 Z



123  
 Date: 8.OCT.2008 11:22:16





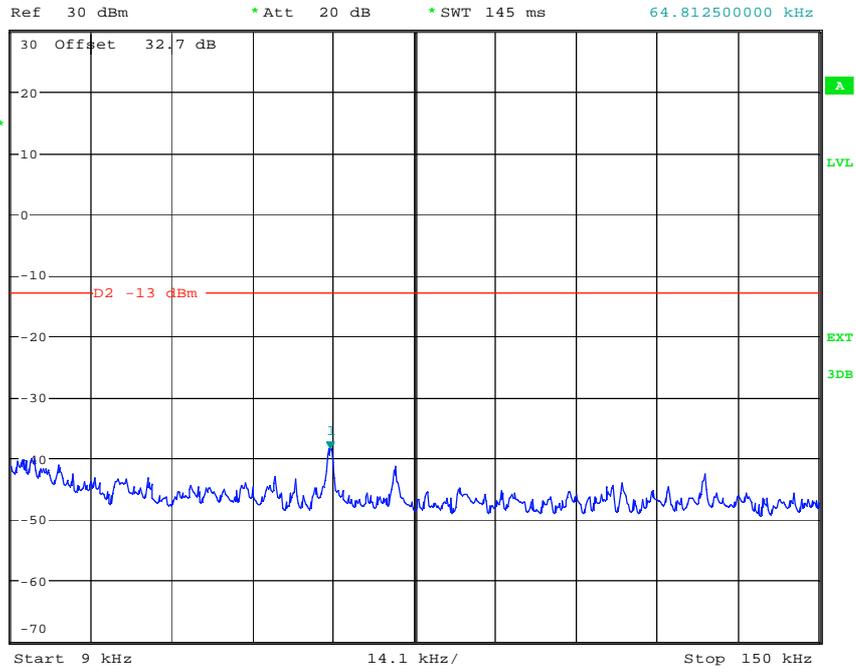




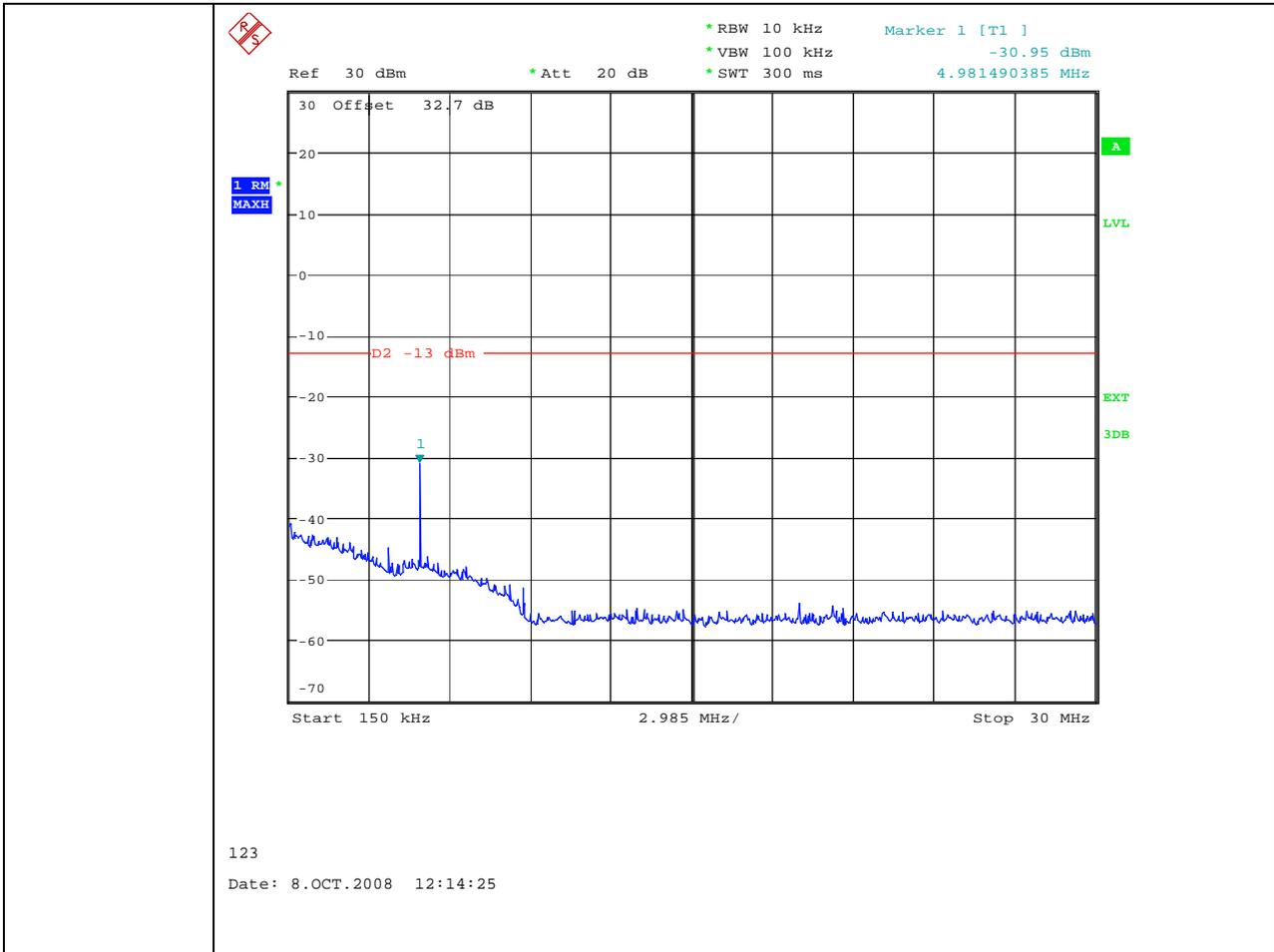
No.9913/9938  
 1982.6/1987.6  
 MHz

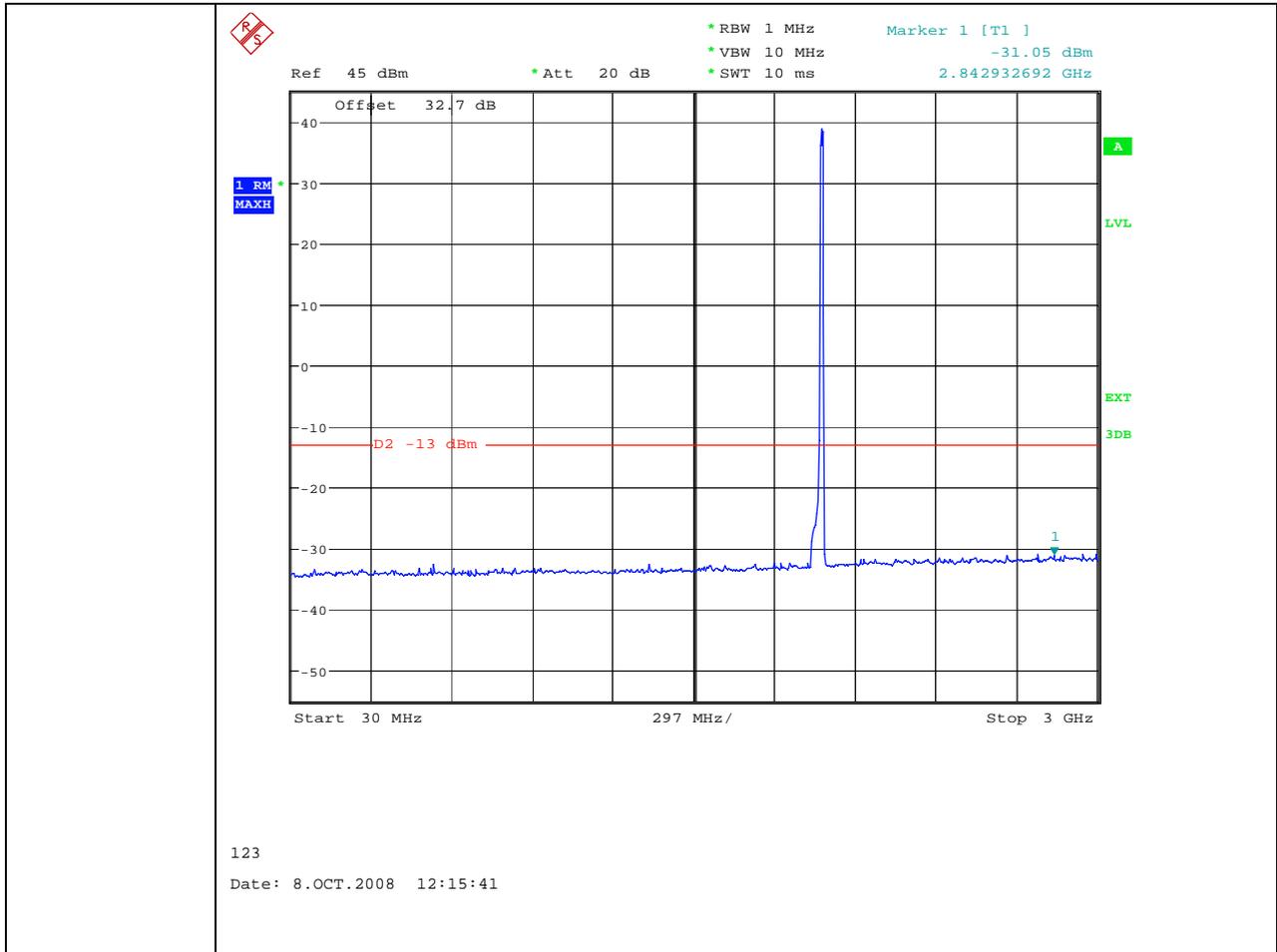


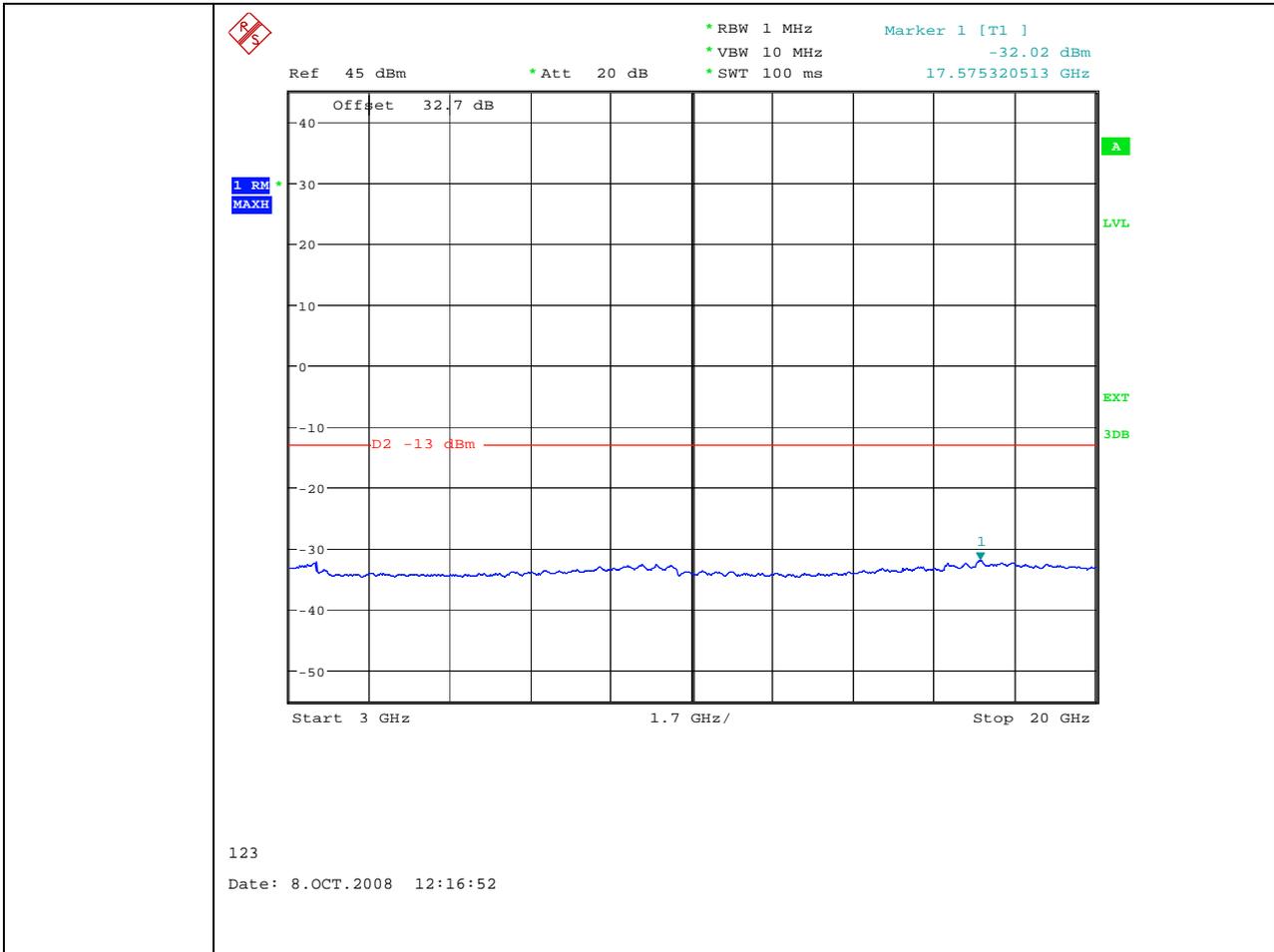
\*RBW 1 kHz  
 \*VBW 500 kHz  
 \*SWT 145 ms  
 Marker 1 [T1 ]  
 -38.56 dBm  
 64.812500000 kHz



123  
 Date: 8.OCT.2008 12:12:36







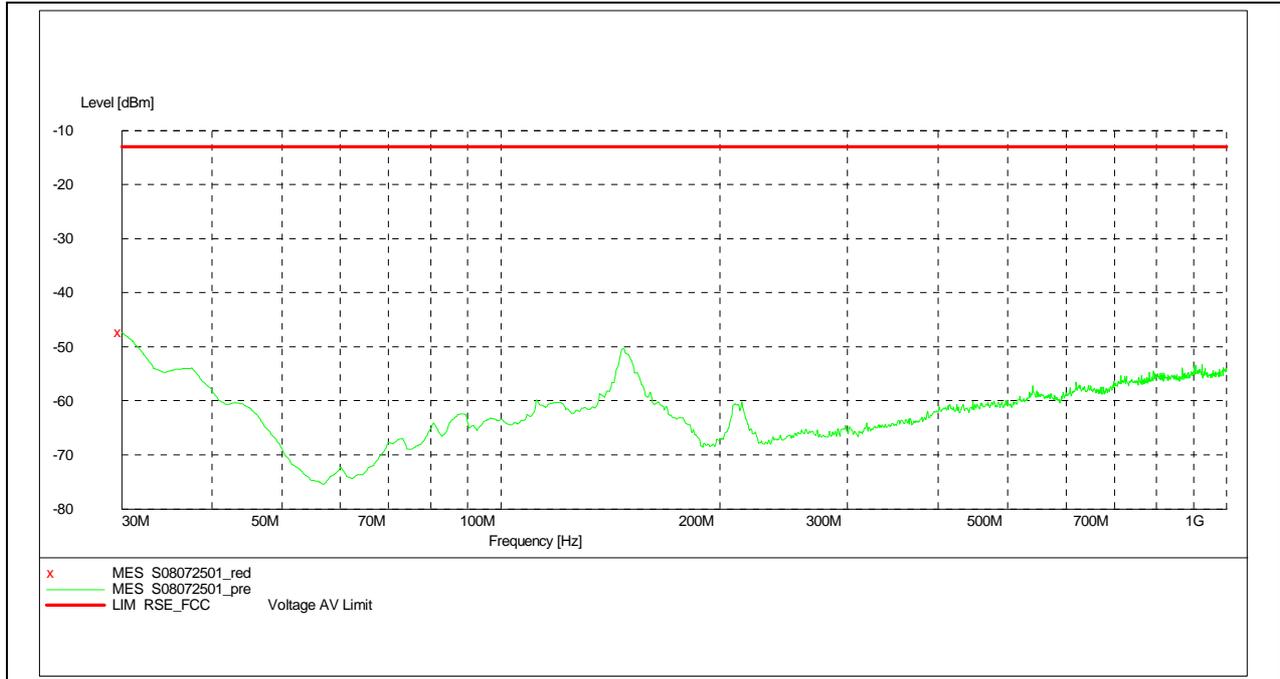


## **Appendix E**

# Field Strength of Spurious Radiation Measurement

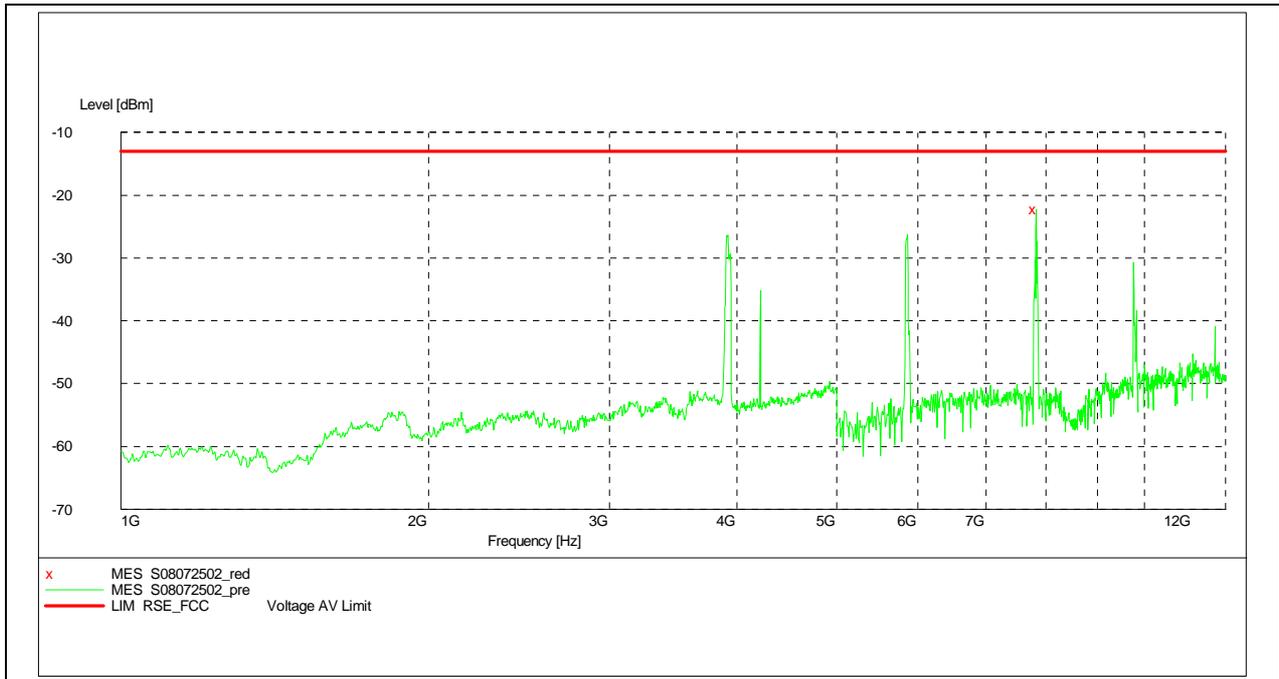


## Below 1GHz:





## Above 1GHz:





## **Appendix F**

# Receiver Spurious Emission (Conducted) Measurement

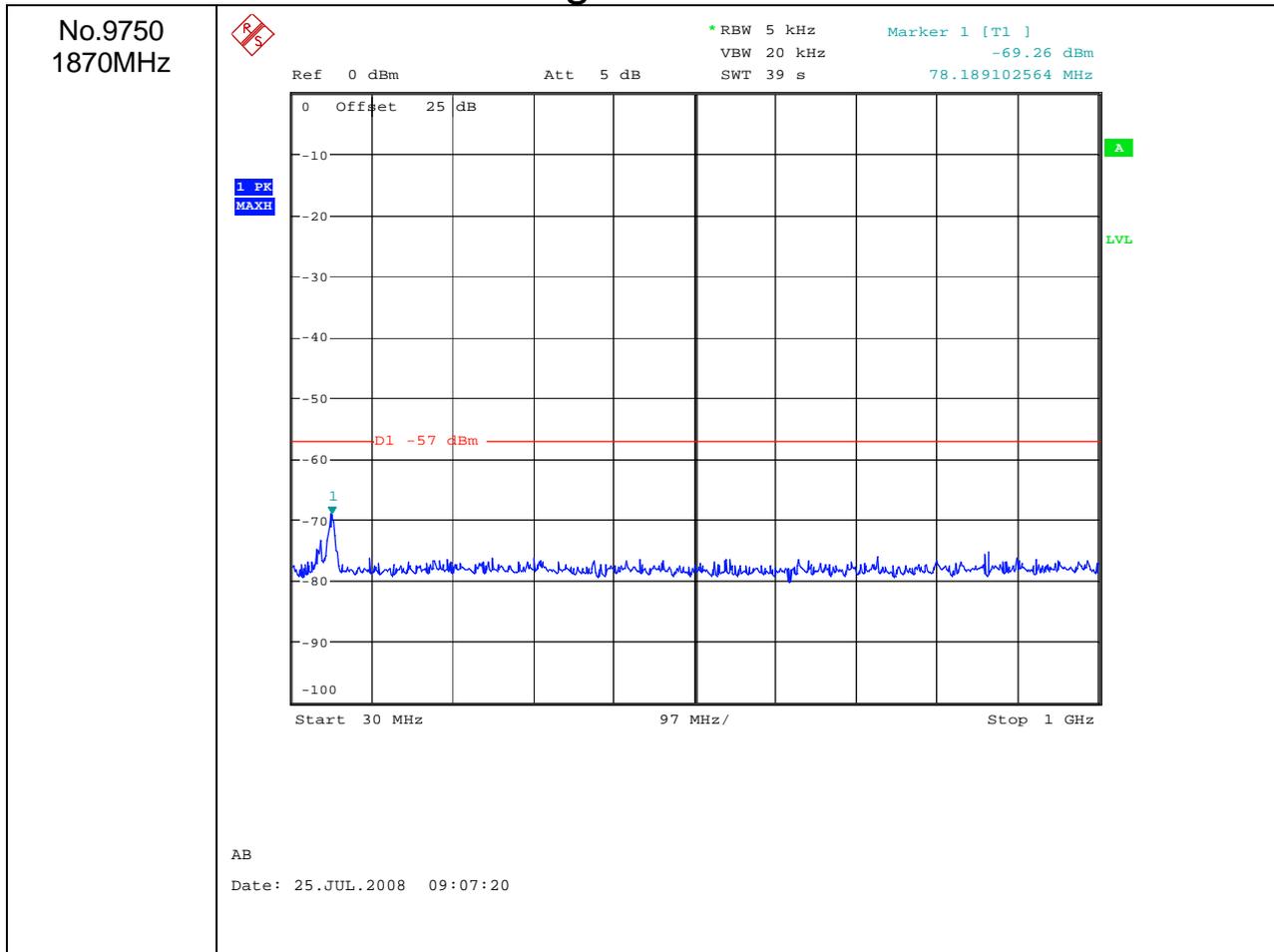


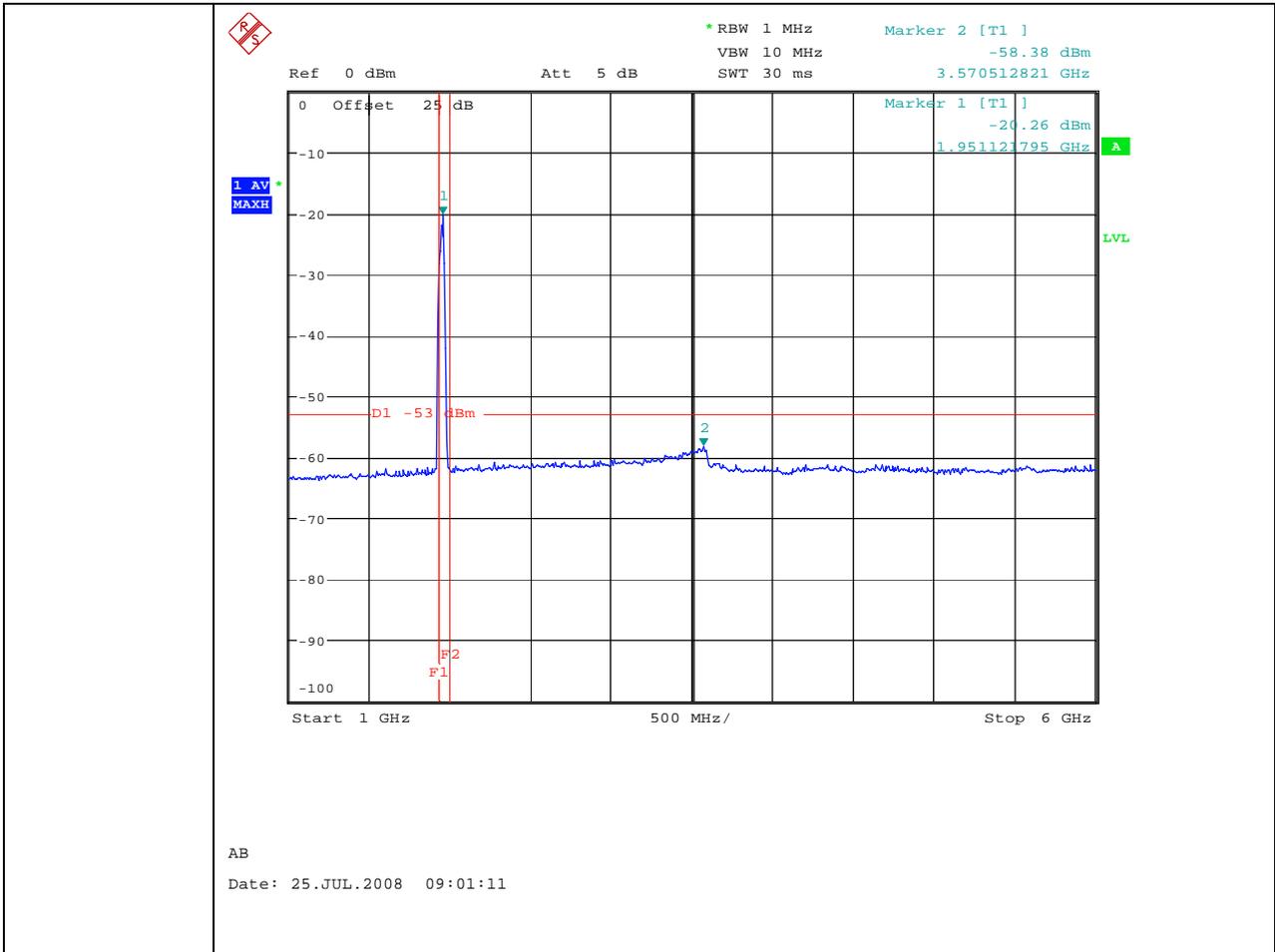
Note: The emissions from the TX should not be considered.

(1) PCS Lower Band

TM1

Single Carrier



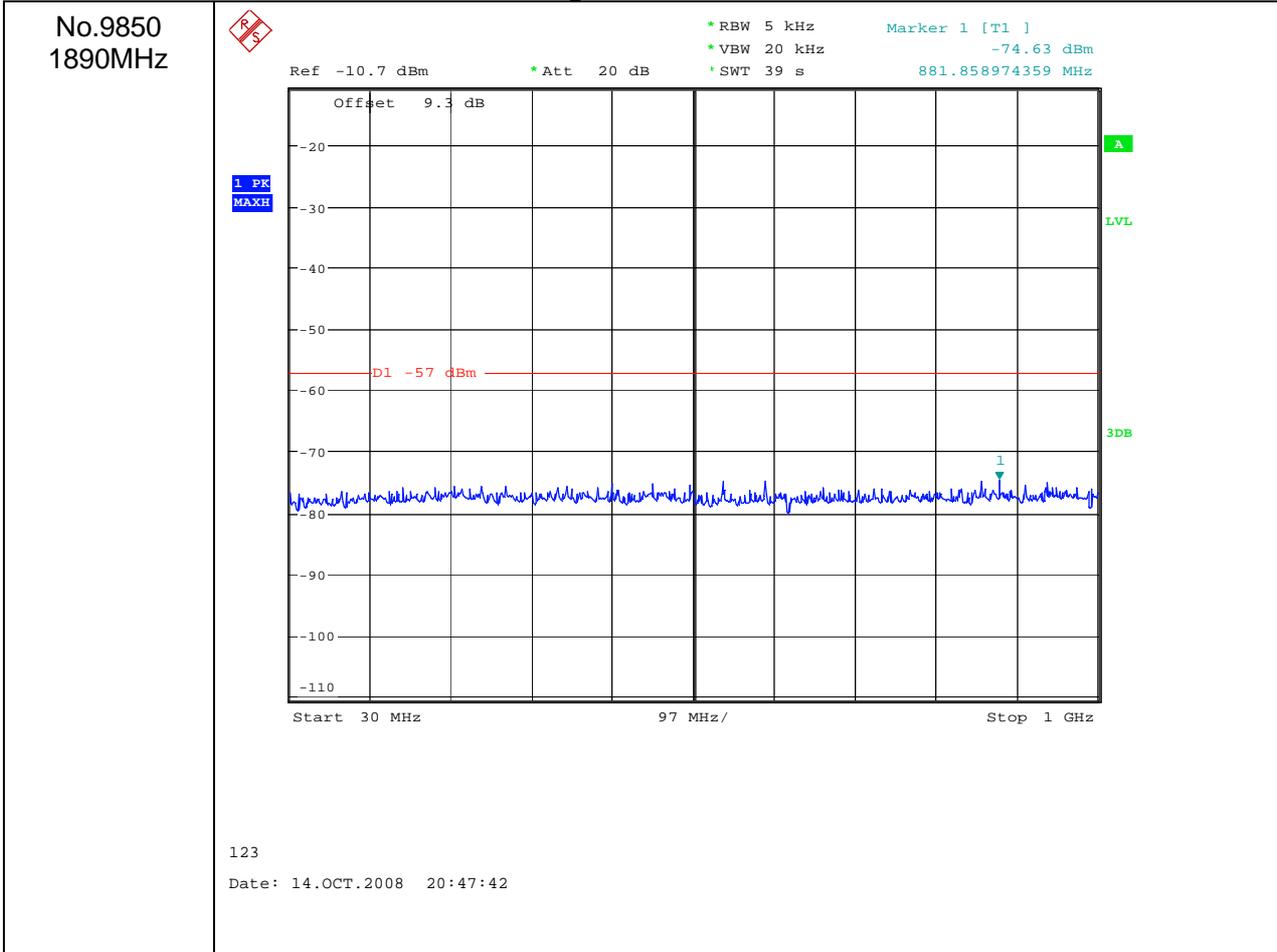


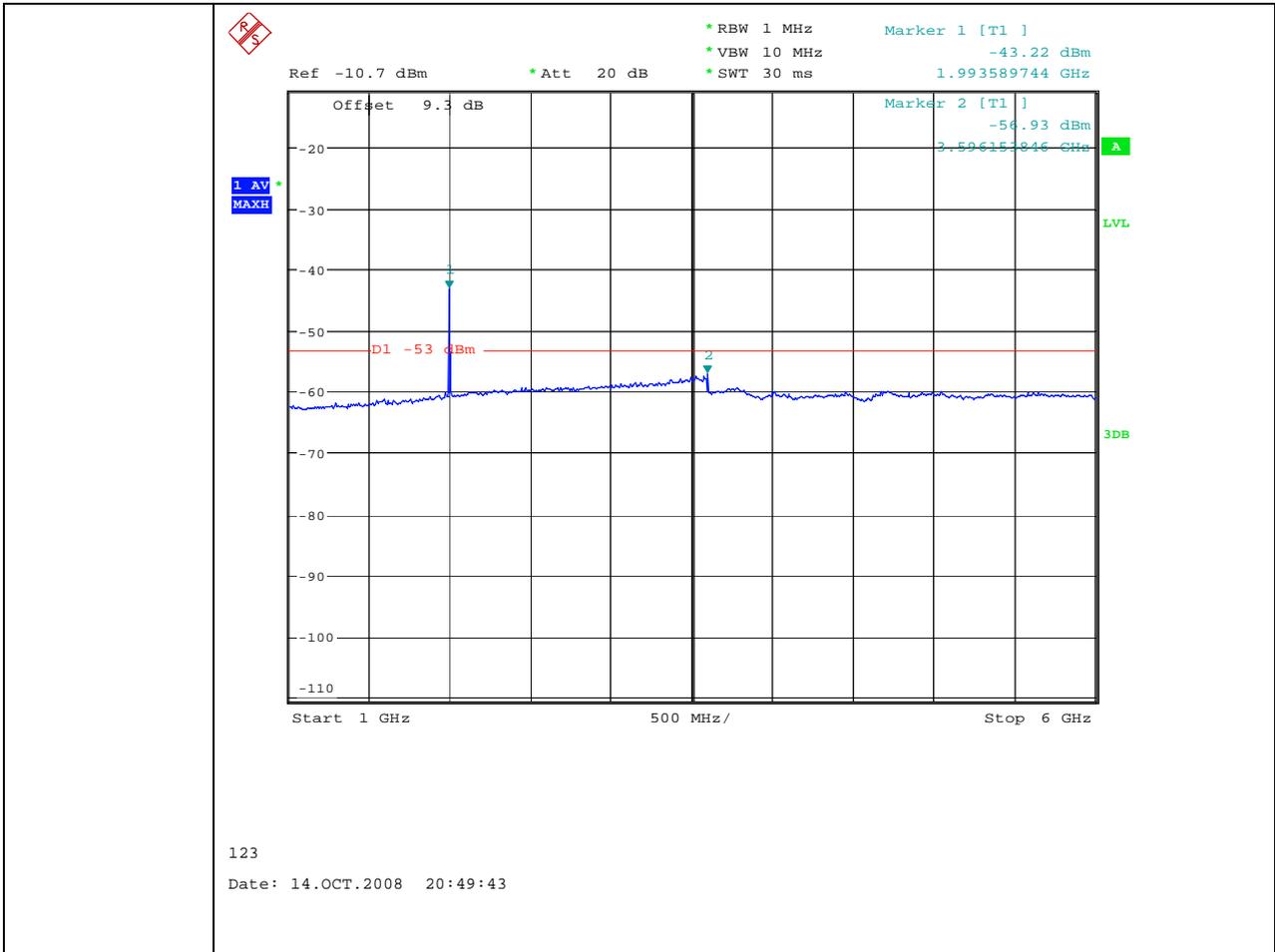


## (2) PCS Higher Band

### TM1: QPSK

### Single Carrier



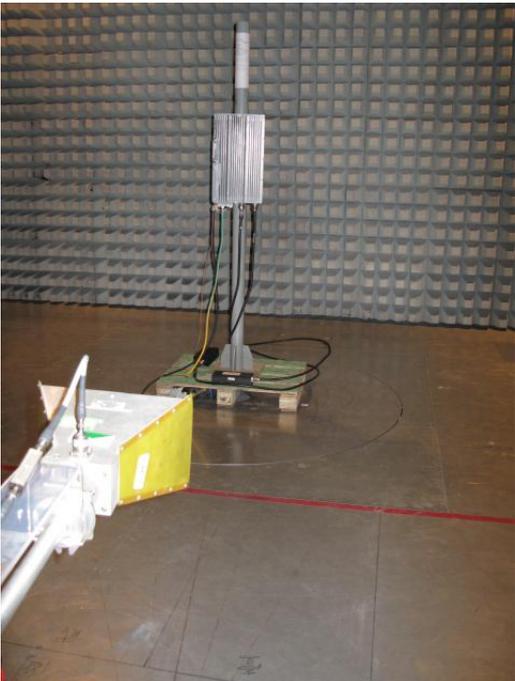




# Appendix G

## Photos of Test Setup

## Radiated Spurious Emissions:

<p>Radiated Spurious Disturbance (below 1GHz)</p>	
<p>Radiated Spurious Disturbance (above 1GHz)</p>	

----- END OF APPENDIXES -----