



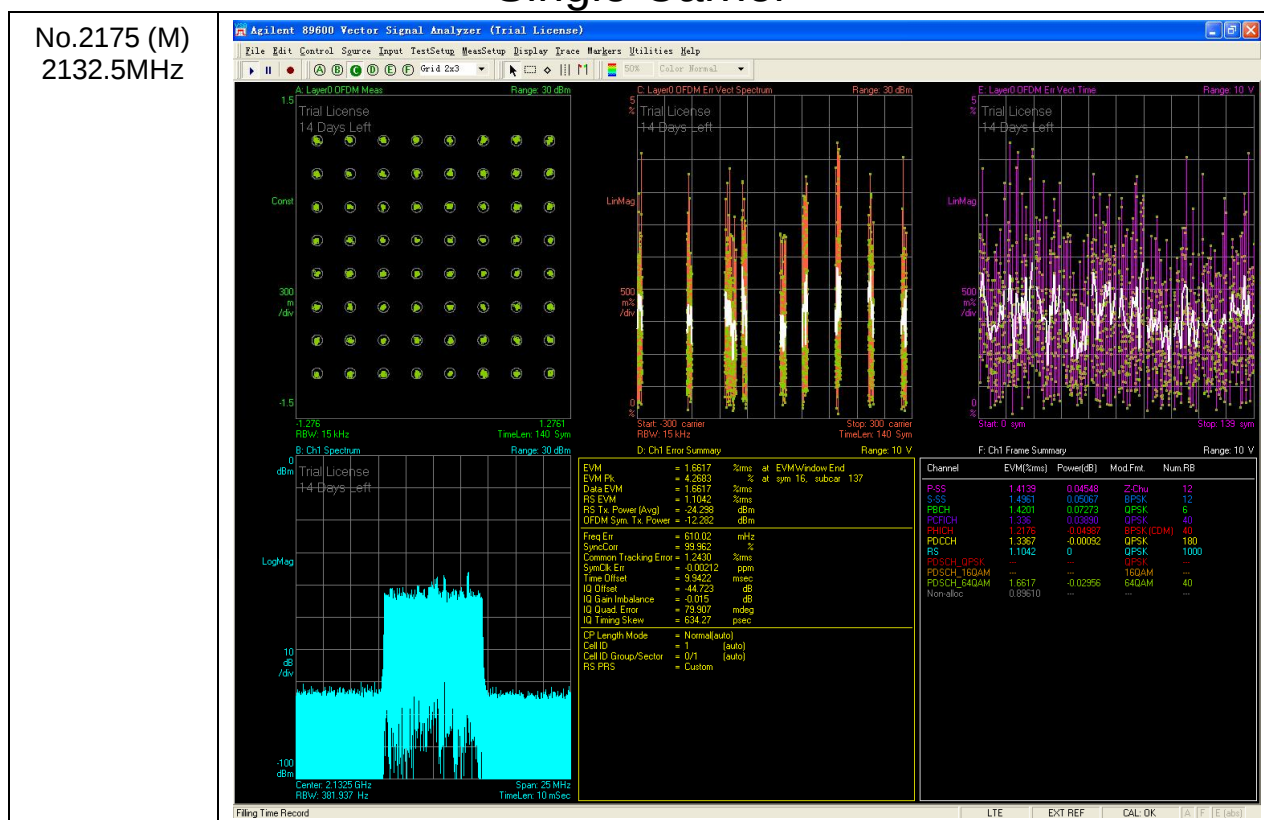
## **Appendix A**

# **Modulation Characteristic Measurement**

According to FCC part 2.1047 and part 27 subpart C & L

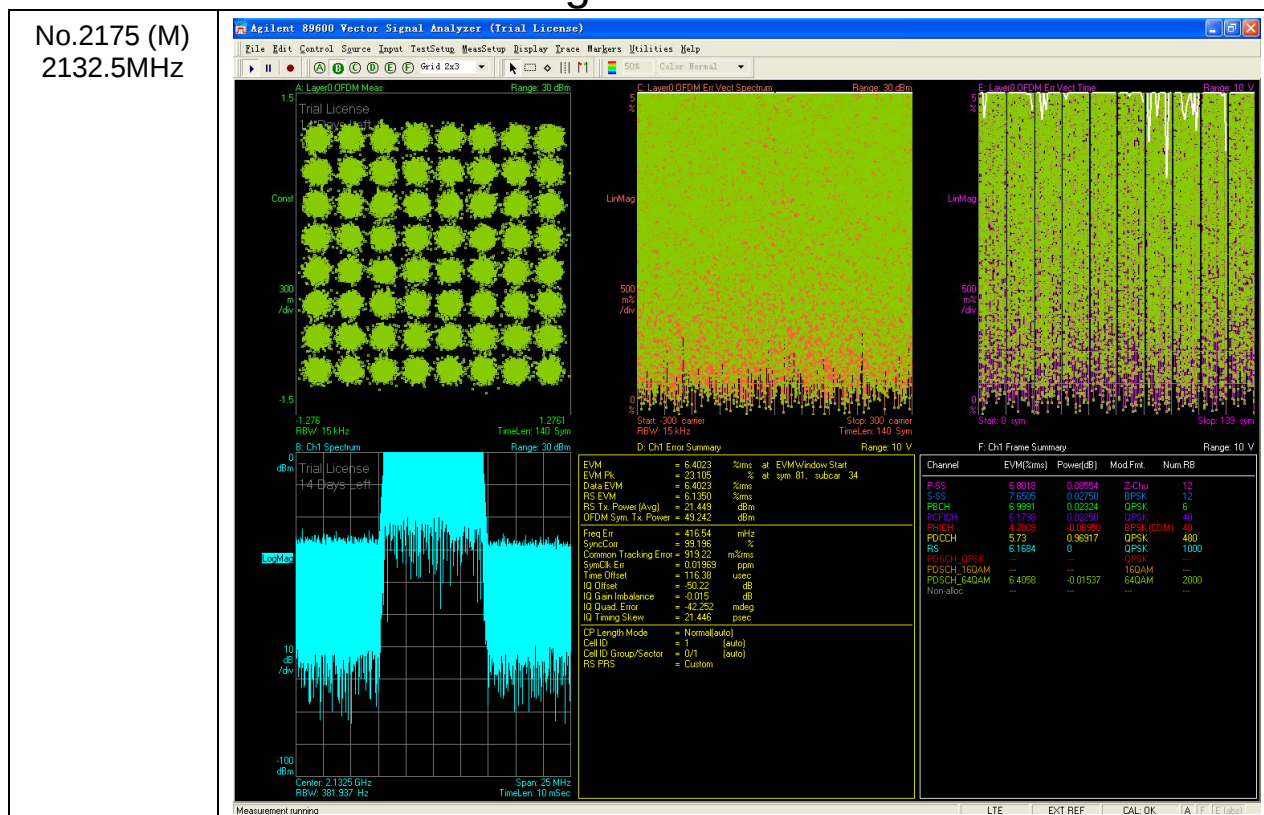
## TM2.0: 64QAM

# Single Carrier



## TM3.1: 64QAM

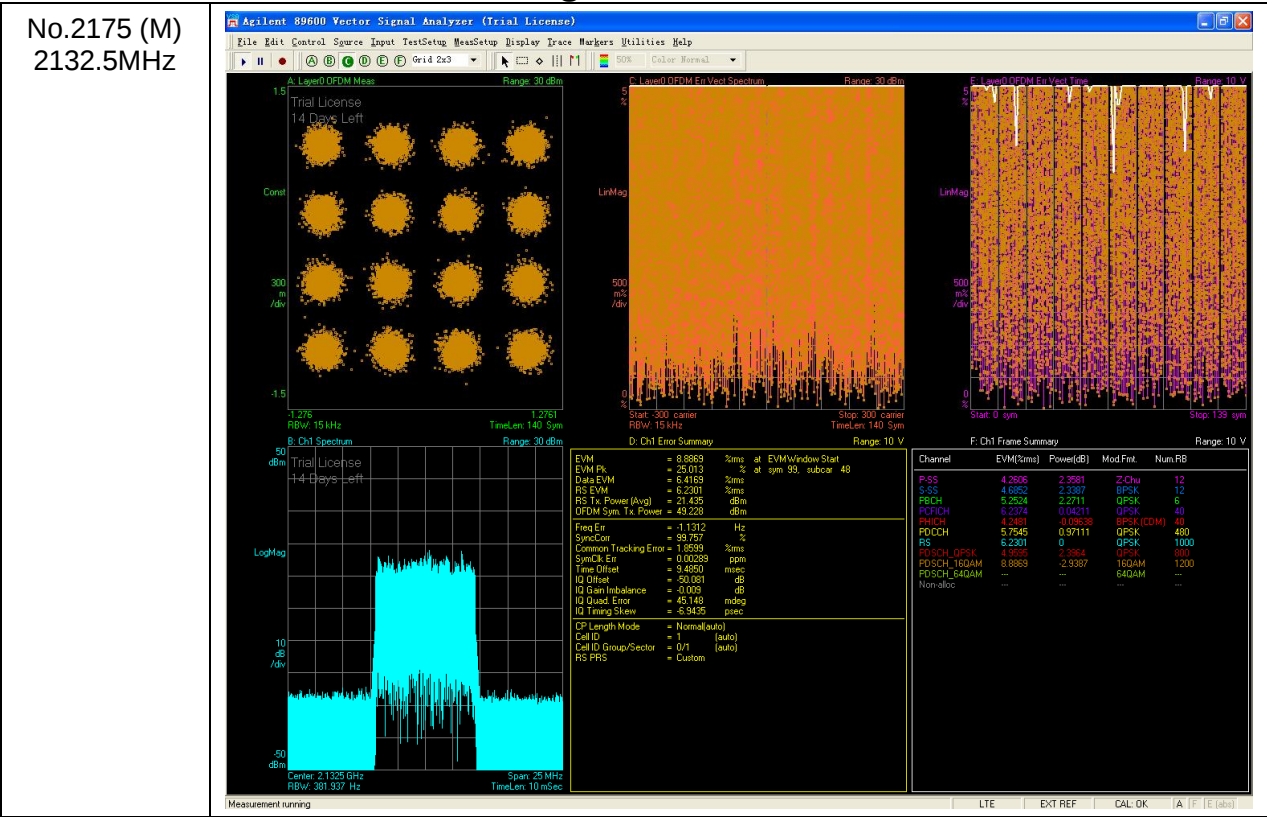
# Single Carrier





TM3.2: 16QAM

Single Carrier

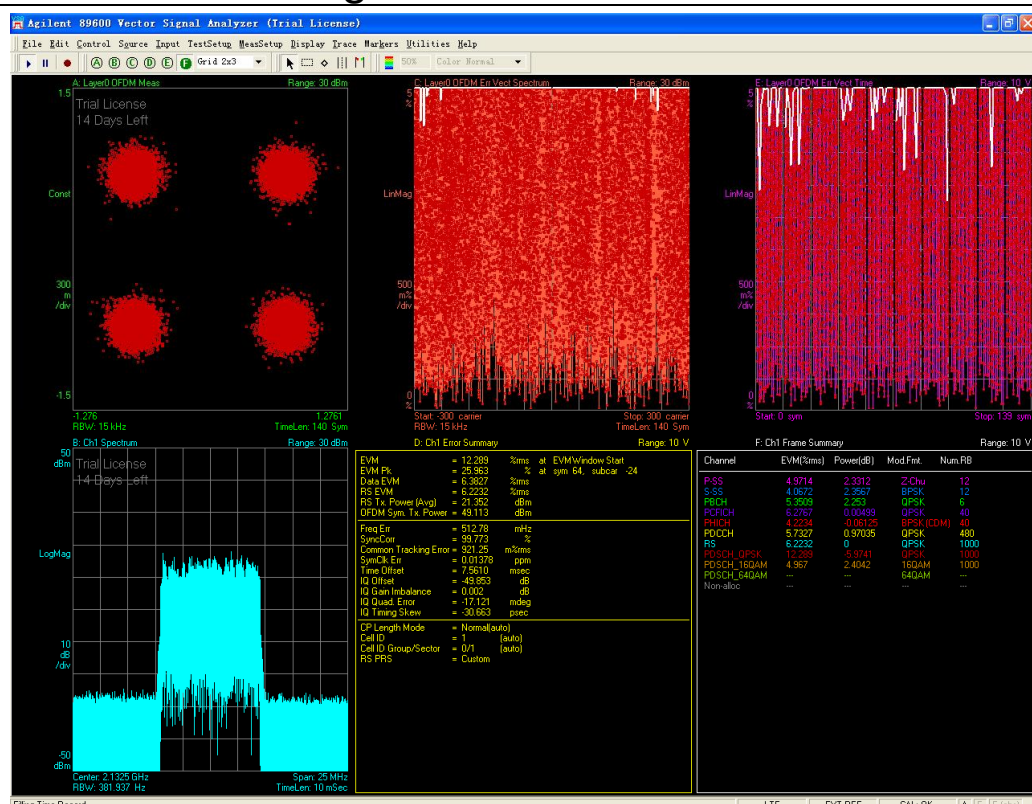




## TM3.3: QPSK

### Single Carrier

No.2175 (M)  
2132.5MHz





## **Appendix B**

# Occupied Bandwidth Measurement

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



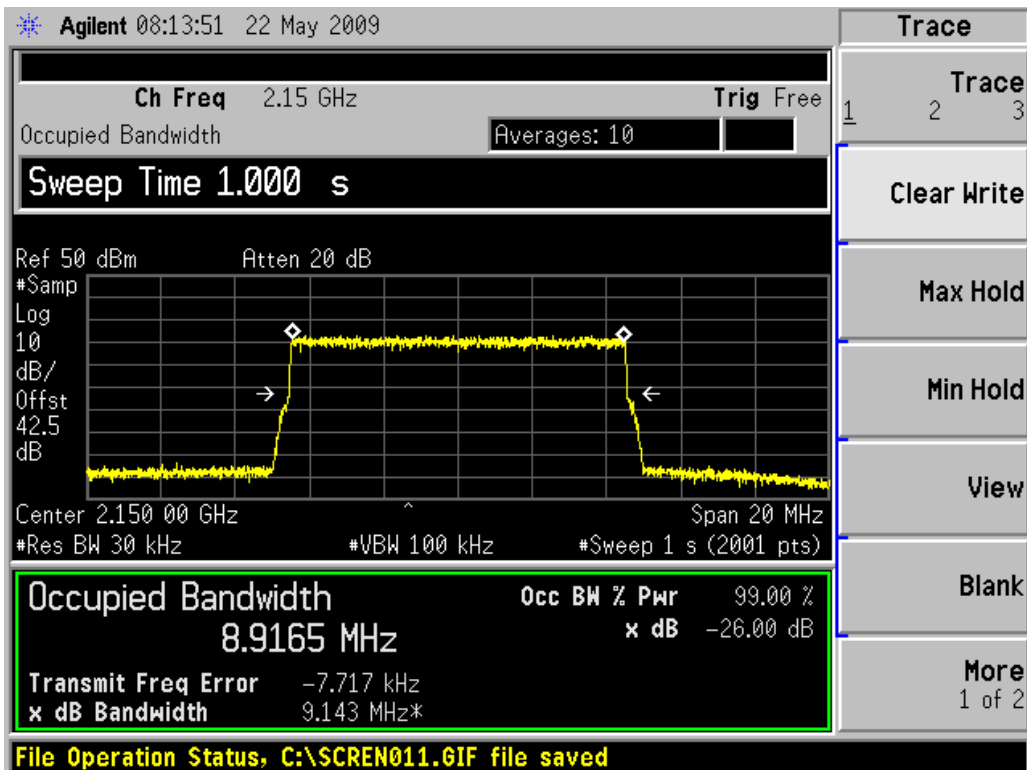
## TM1.1:

### Single Carrier

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>No.2000 (B)<br/>2115MHz</p>   | <div><div>Agilent 08:18:00 22 May 2009</div><div><div>Ch Freq 2.115 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Averages: 10</div><div>Center 2.115000000 GHz</div><div><div>Ref 50 dBm</div><div>Atten 20 dB</div><div>#Samp 10</div><div>Log</div><div>dB/</div><div>Offst 42.5</div><div>dB</div></div><div><div>Center 2.115 00 GHz</div><div>#Res BW 30 kHz</div><div>#VBW 100 kHz</div><div>#Sweep 1 s (2001 pts)</div><div>Span 20 MHz</div></div><div><div>Occupied Bandwidth</div><div>8.9219 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -1.361 kHz</div><div>x dB Bandwidth 9.207 MHz*</div></div><div>File Operation Status, C:\SCREN014.GIF file saved</div></div> <div><div>Freq/Channel</div><div>Center Freq 2.11500000 GHz</div><div>Start Freq 2.10500000 GHz</div><div>Stop Freq 2.12500000 GHz</div><div>CF Step 2.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div> |
| <p>No.2175 (M)<br/>2132.5MHz</p> | <div><div>Agilent 08:16:05 22 May 2009</div><div><div>Ch Freq 2.1325 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Averages: 10</div><div>Center 2.132500000 GHz</div><div><div>Ref 50 dBm</div><div>Atten 20 dB</div><div>#Samp 10</div><div>Log</div><div>dB/</div><div>Offst 42.5</div><div>dB</div></div><div><div>Center 2.132 50 GHz</div><div>#Res BW 30 kHz</div><div>#VBW 100 kHz</div><div>#Sweep 1 s (2001 pts)</div><div>Span 20 MHz</div></div><div><div>Occupied Bandwidth</div><div>8.9284 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -2.090 kHz</div><div>x dB Bandwidth 9.128 MHz*</div></div><div>File Operation Status, C:\SCREN013.GIF file saved</div></div> <div><div>Trace</div><div>Trace 1 2 3</div><div>Clear Write</div><div>Max Hold</div><div>Min Hold</div><div>View</div><div>Blank</div><div>More 1 of 2</div></div>                                                                                                  |



No.2350 (T)  
2150MHz





## **Appendix C**

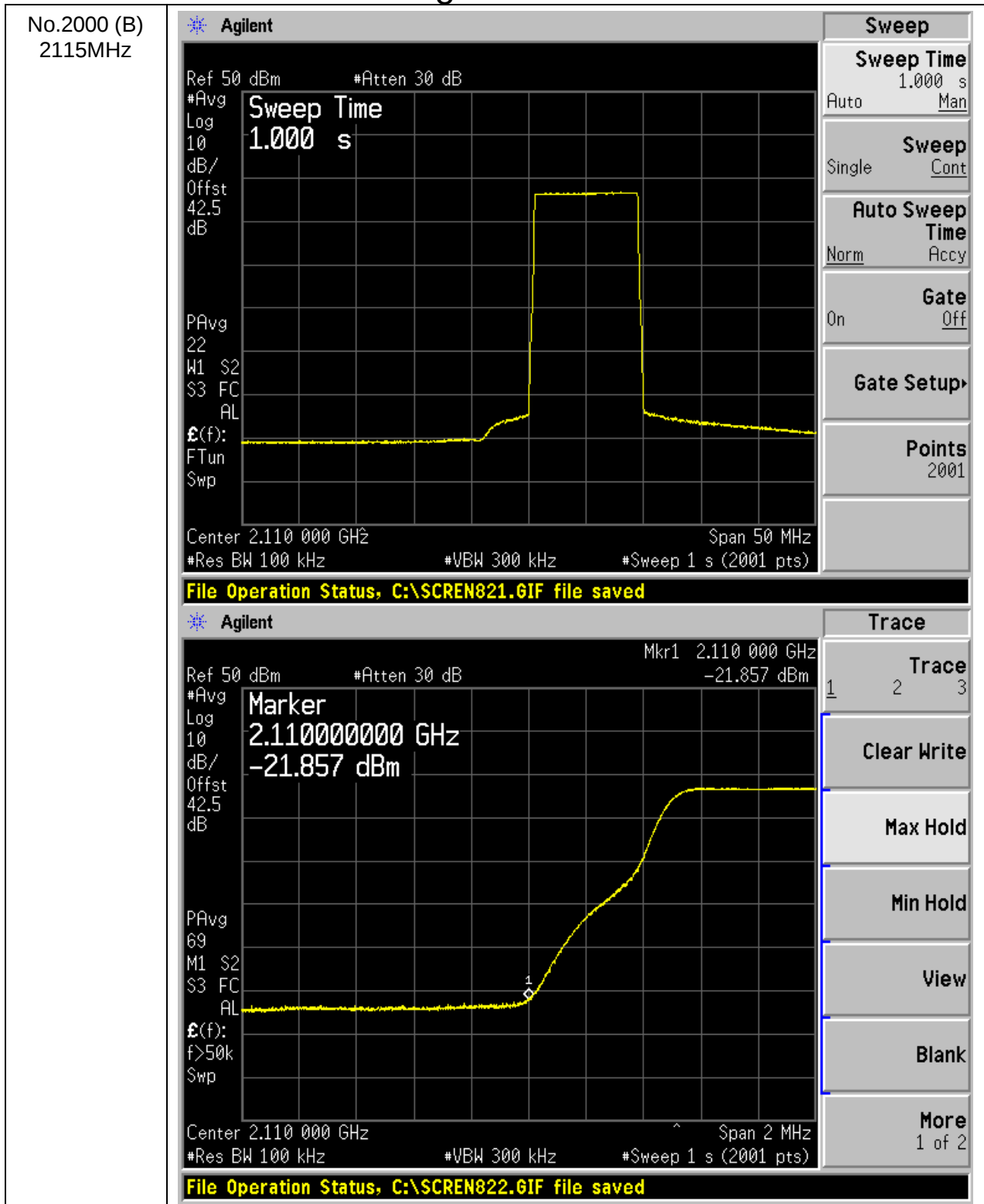
### **Band Edge Measurement**

According to FCC part 2.1051 and part 27.53(g)



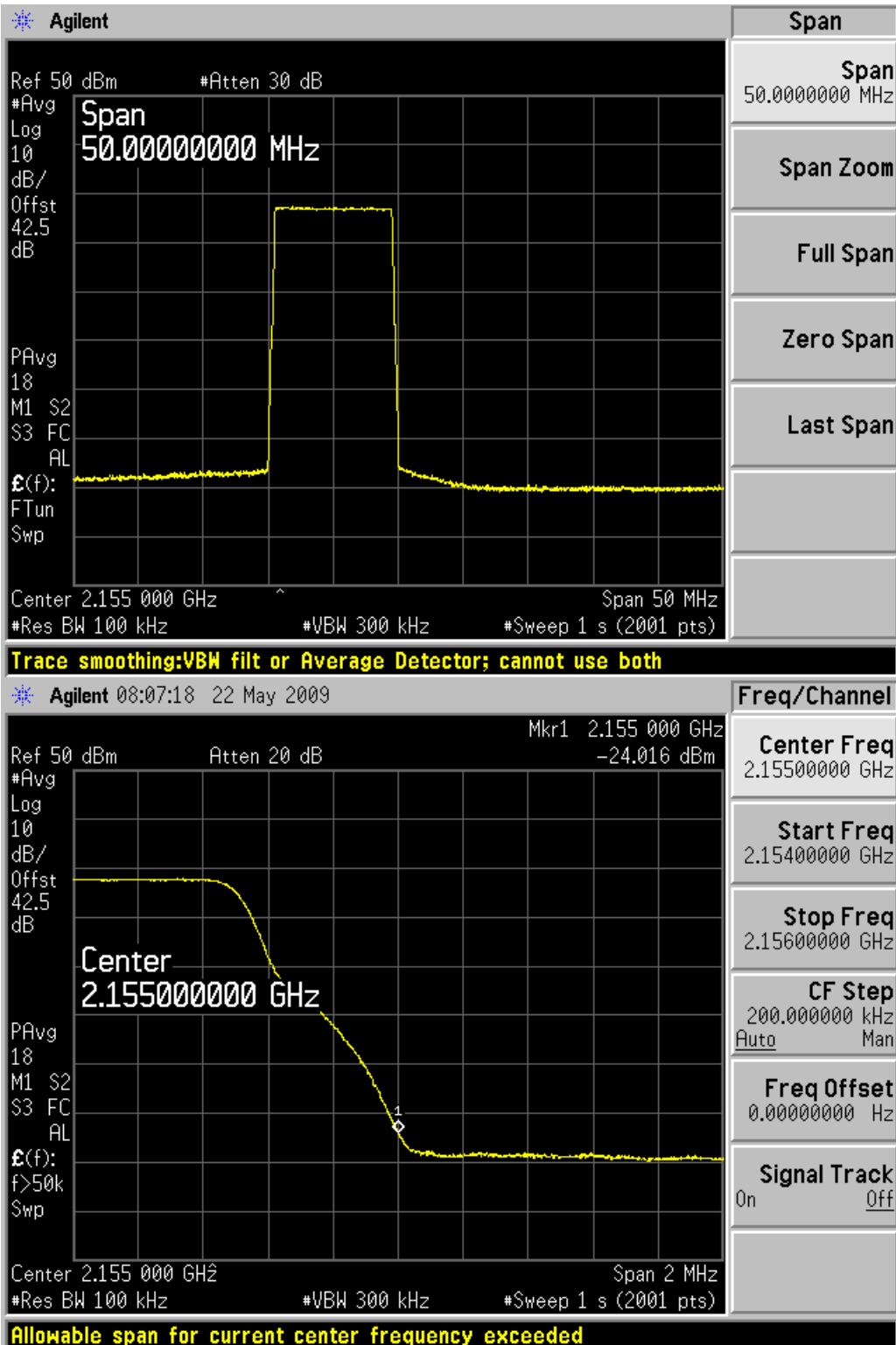
## TM1.1:

### Single Carrier



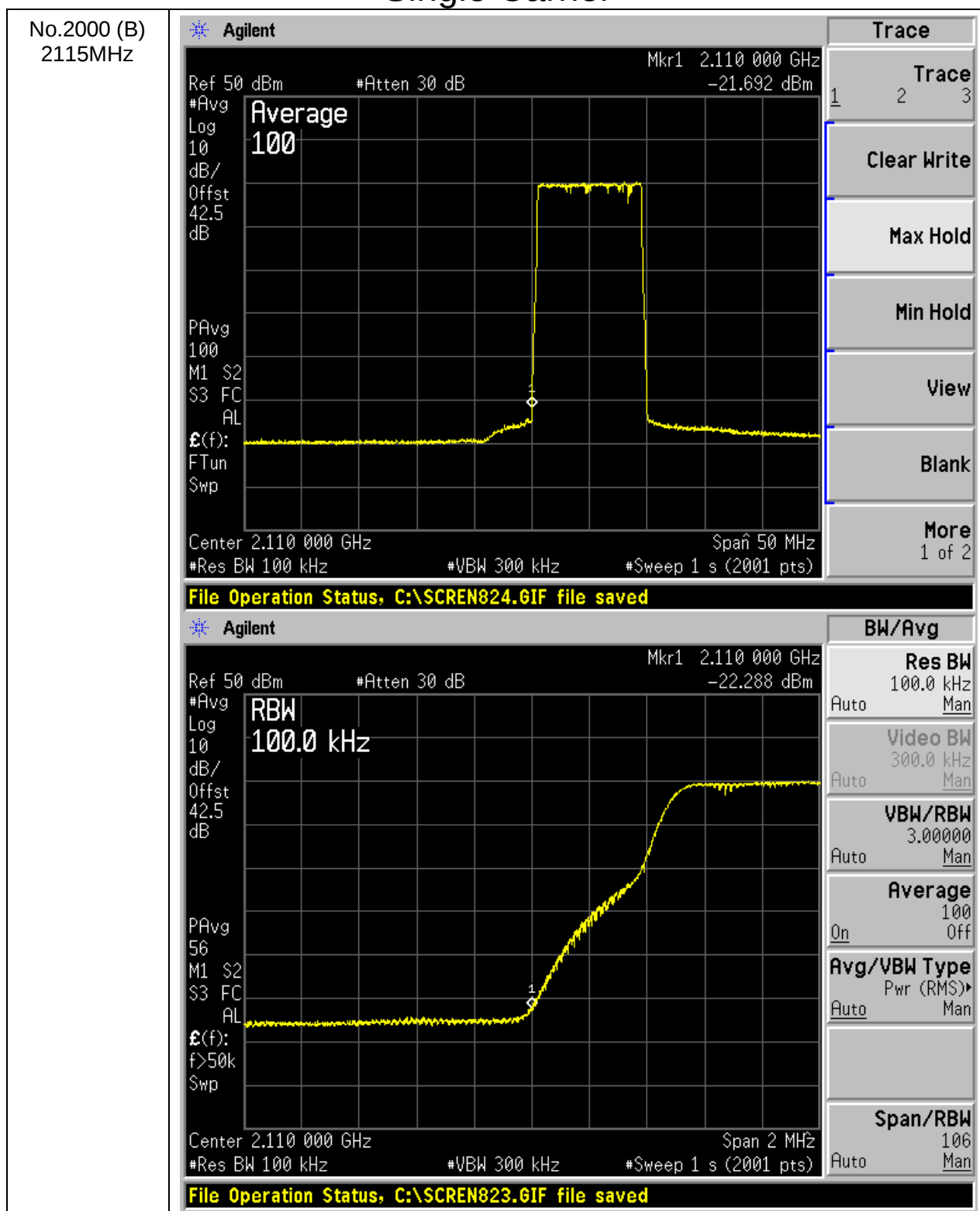


No.2350 (T)  
2150MHz



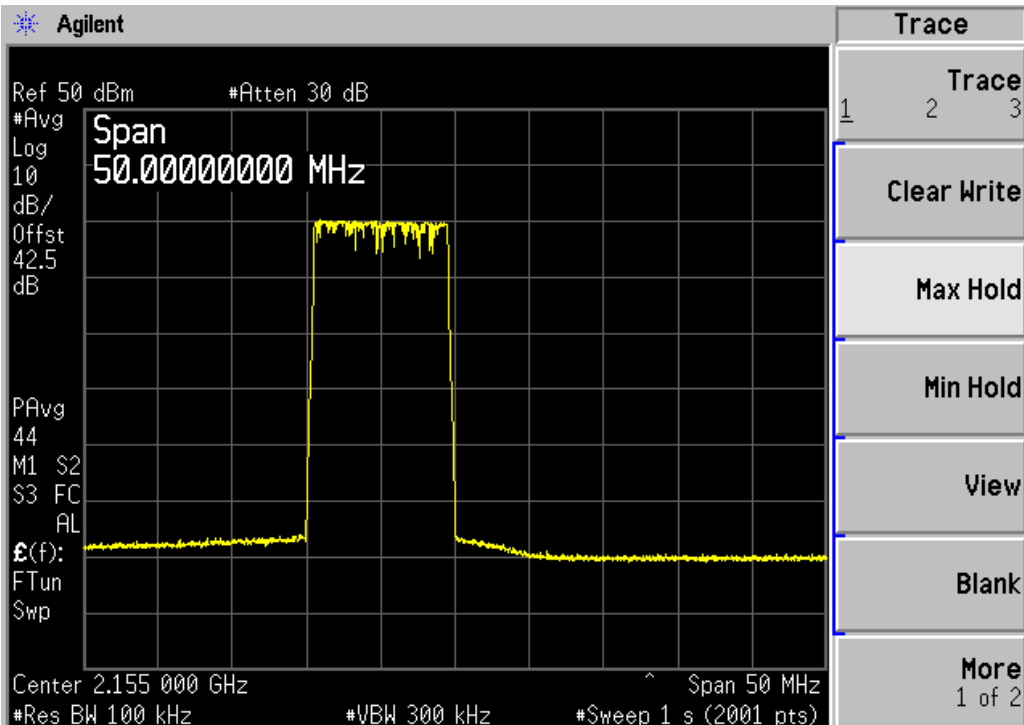
## TM1.2:

### Single Carrier

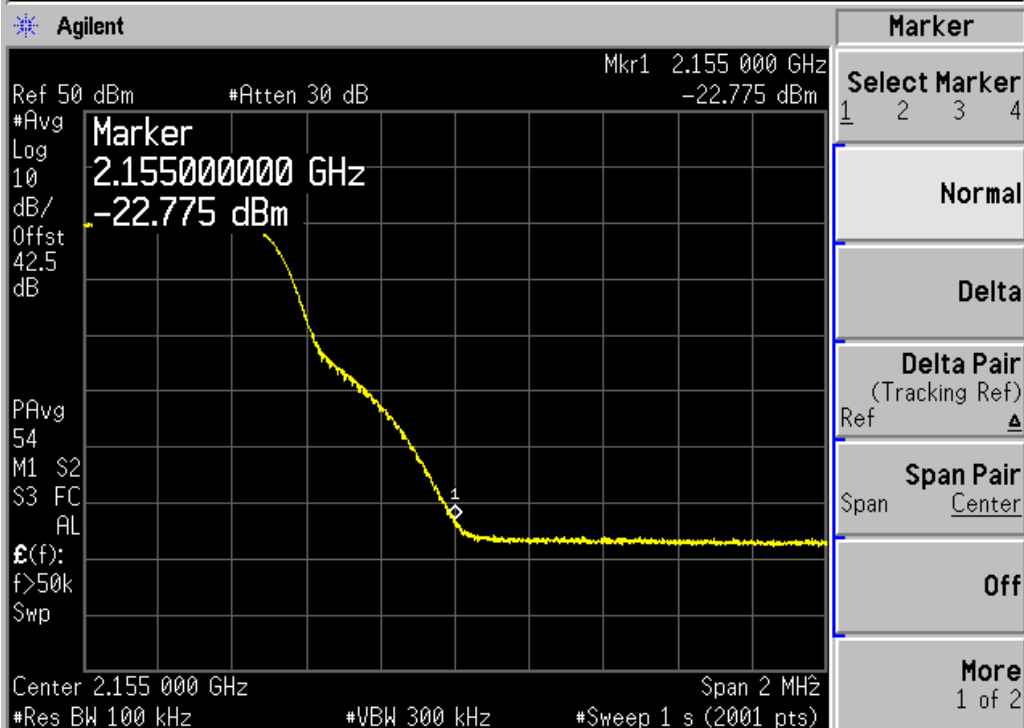




No.2350 (T)  
2150MHz



File Operation Status, C:\SCREN827.GIF file saved



File Operation Status, C:\SCREN828.GIF file saved

## **Appendix D**

# Spurious Emission at Antenna Terminal Measurement

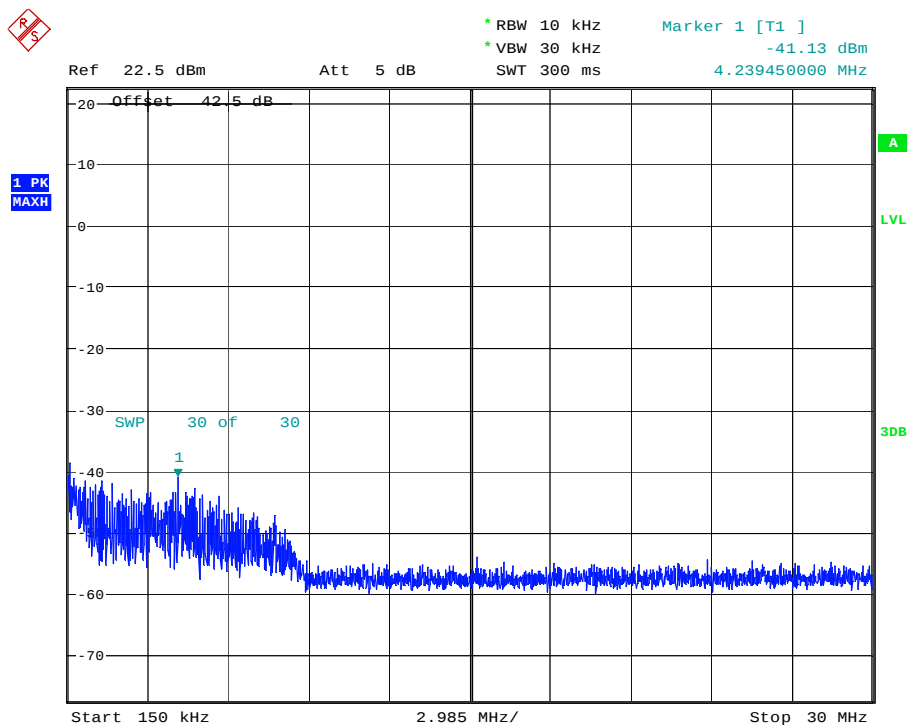
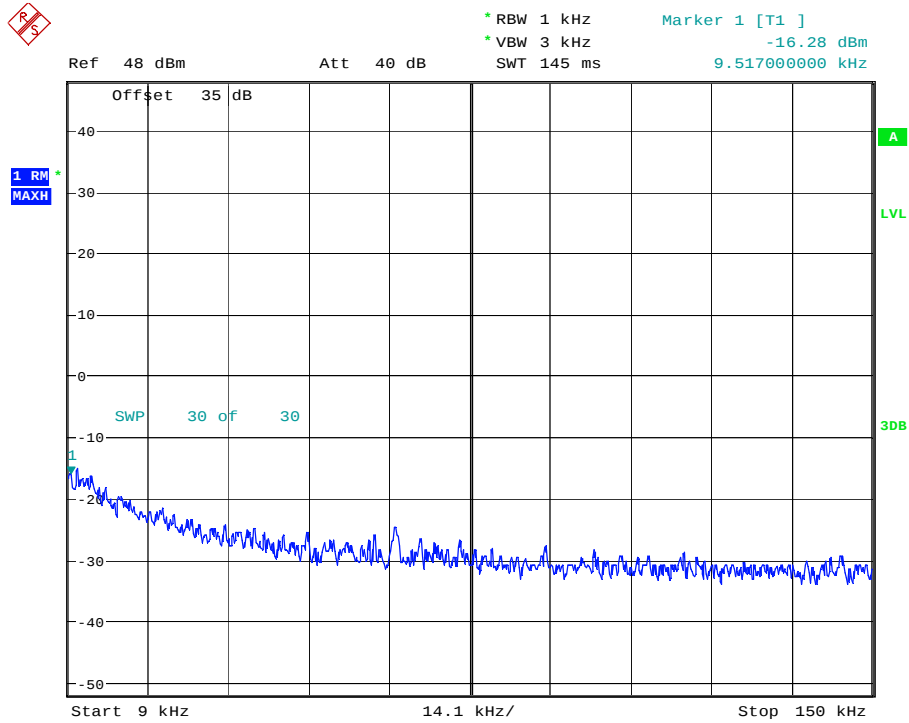
According to FCC part 2.1051 and part 27.53(g)

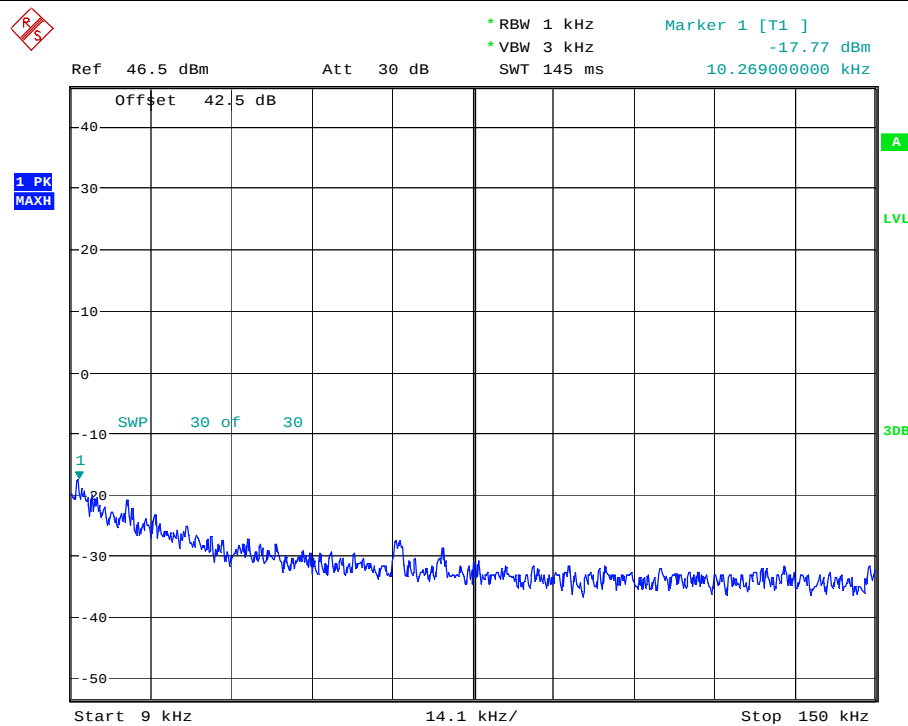
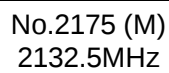


## TM1.1:

### Single Carrier

No.2000 (B)  
2115MHz

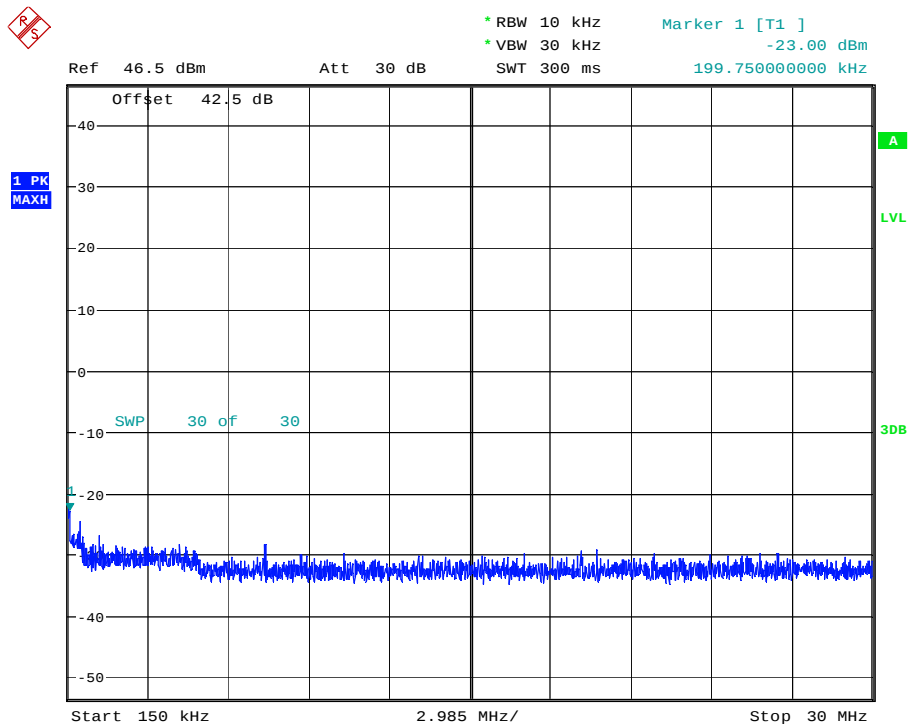
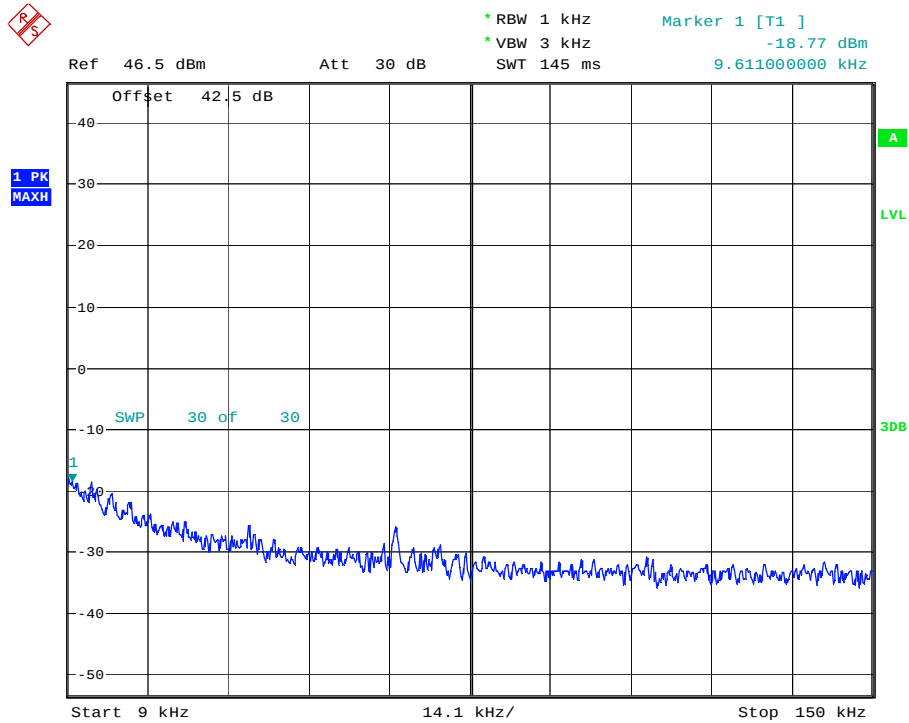


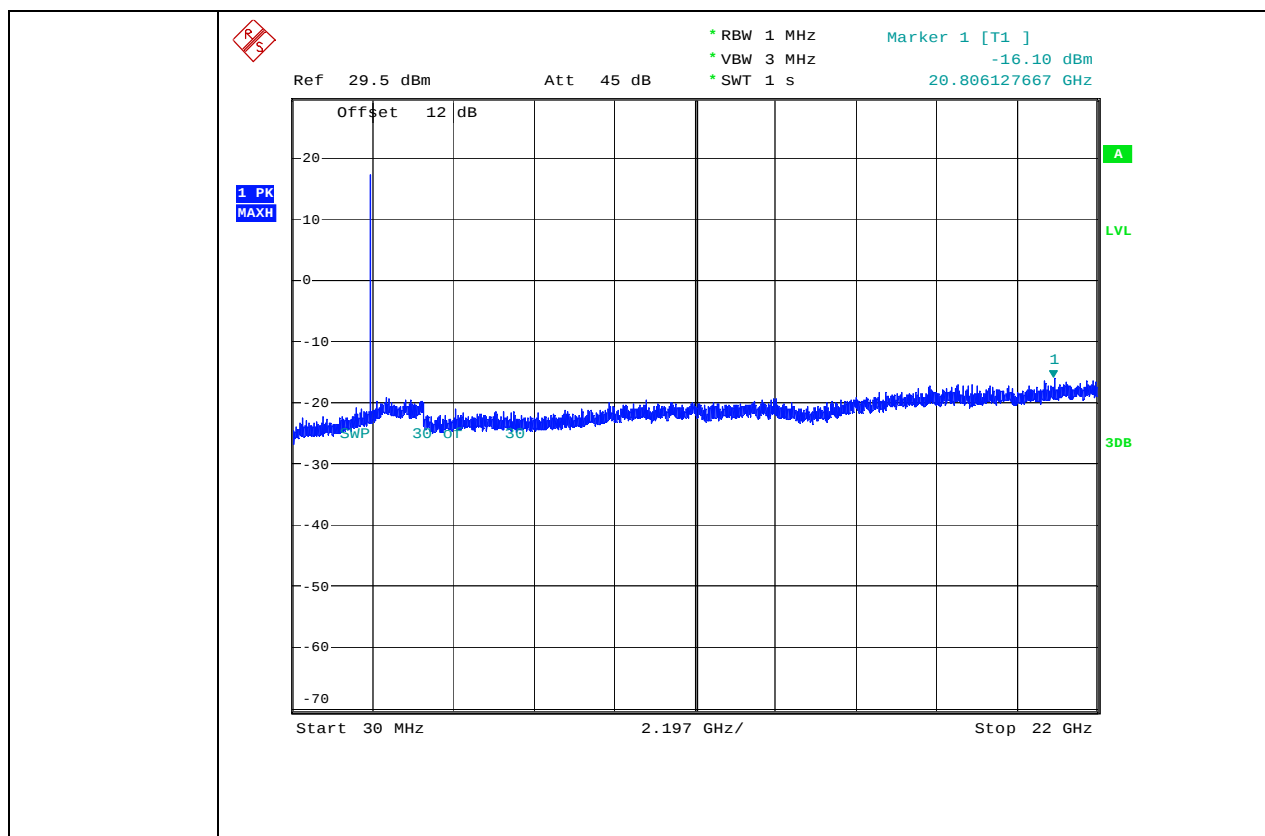






No.2350 (T)  
2150MHz





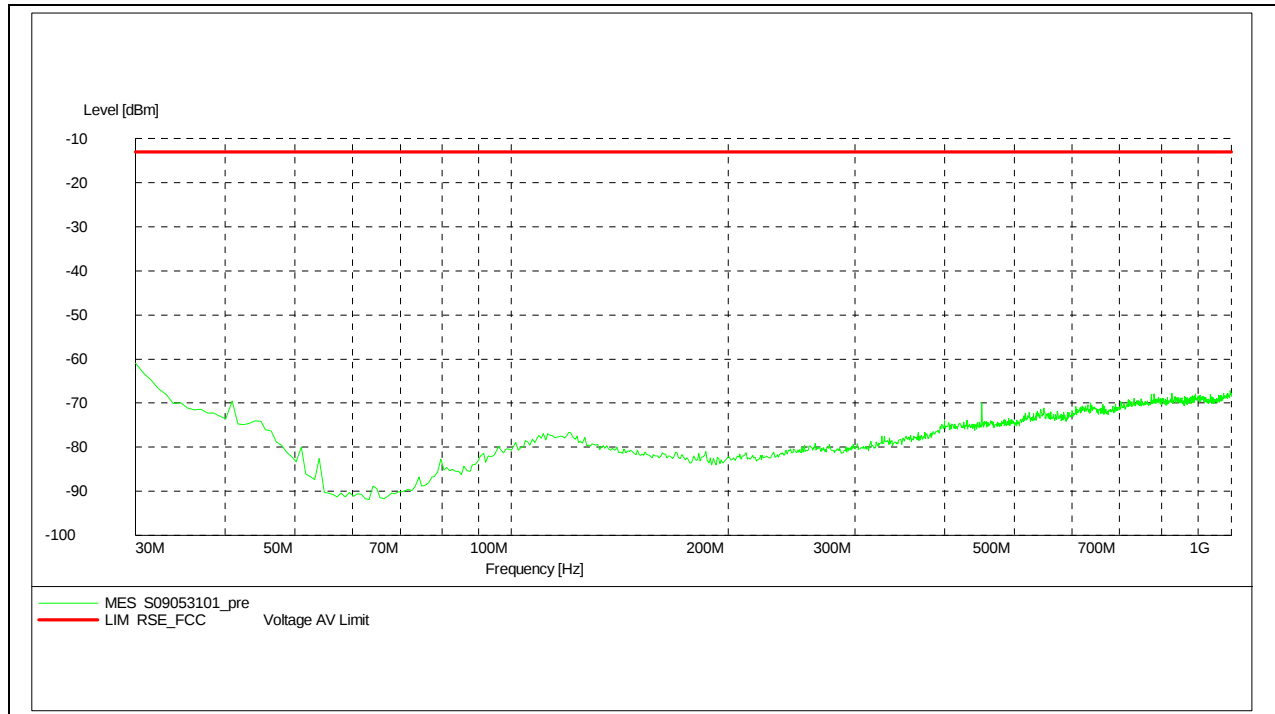
## **Appendix E**

# Field Strength of Spurious Radiation Measurement

According to FCC part 2.1053 and part 27.53(g)

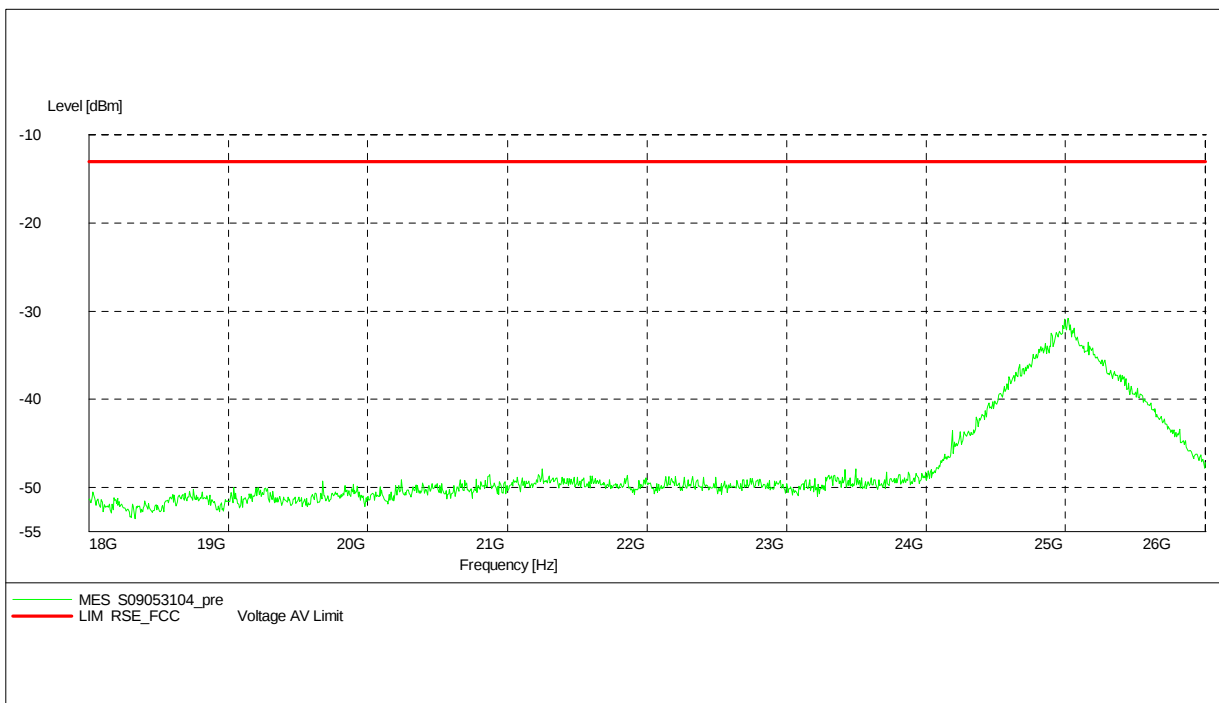
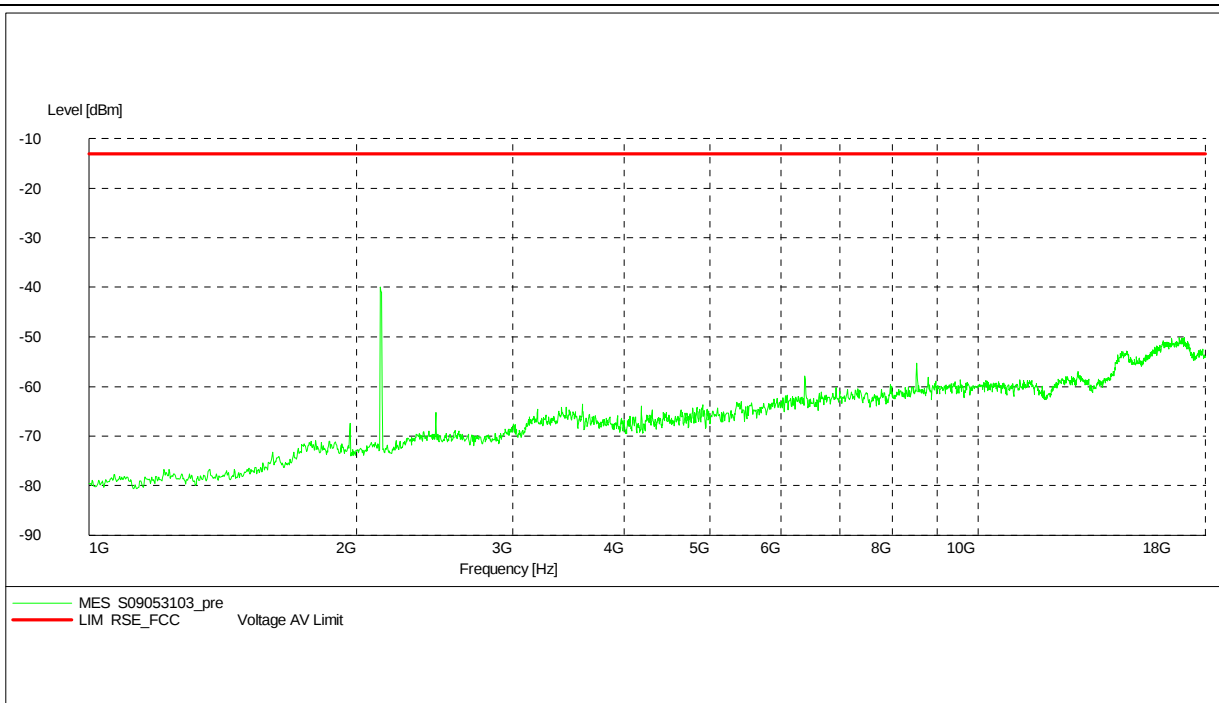


## Below 1GHz:





## Above 1GHz:

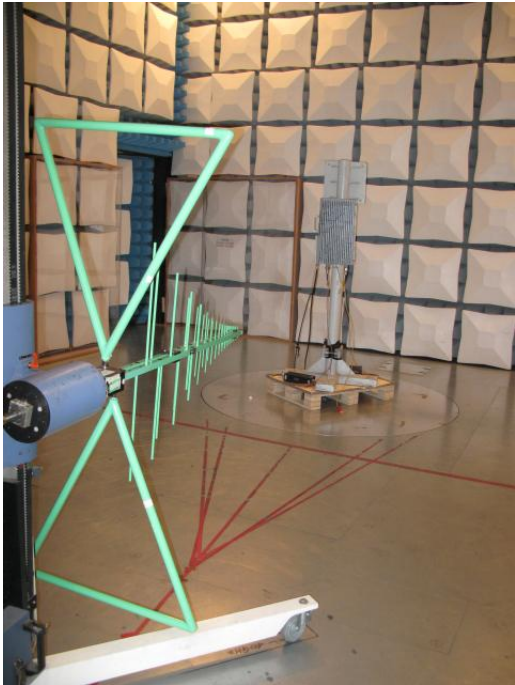




## **Appendix F**

### Photos of Test Setup

## Radiated Spurious Emissions:

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

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