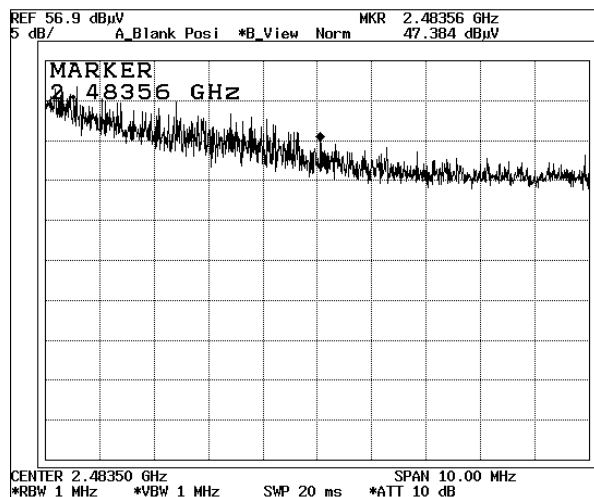
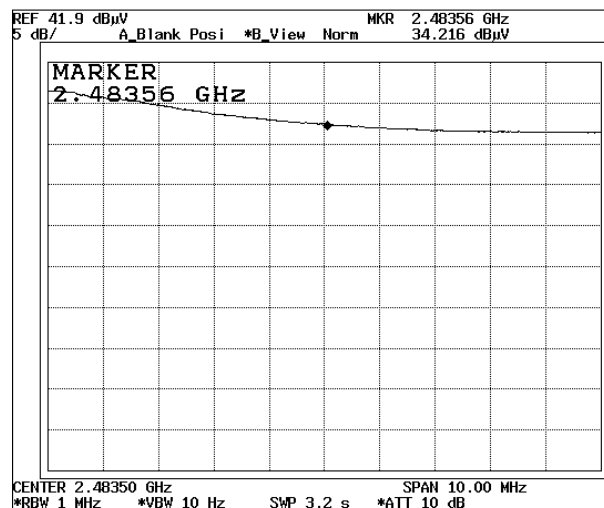


**Out of Band Emission : Restrictd Band Edges (Radiated)**  
**IEEE802.11g 54Mbps In - Antenna Ch11:2462MHz**

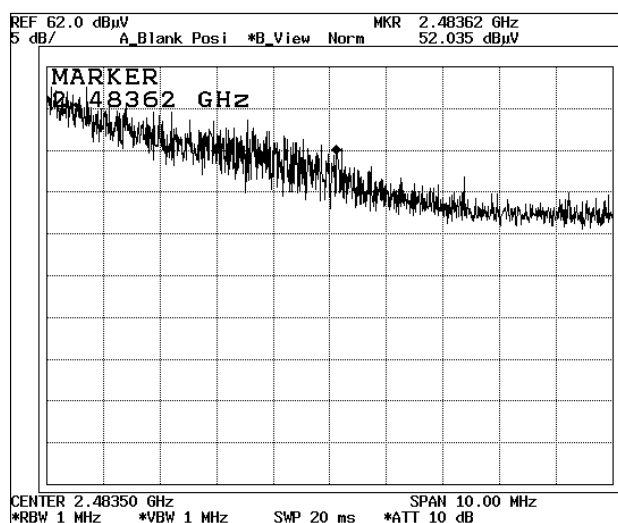
**Frequency:2483.5MHz Hor (Pk)**



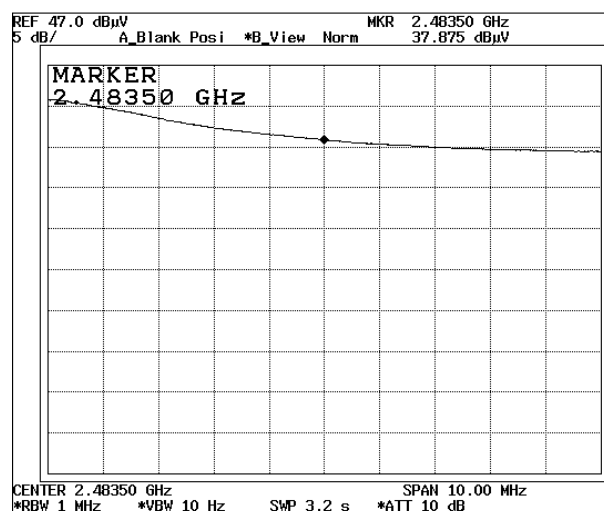
**Frequency:2483.5MHz Hor (Av)**



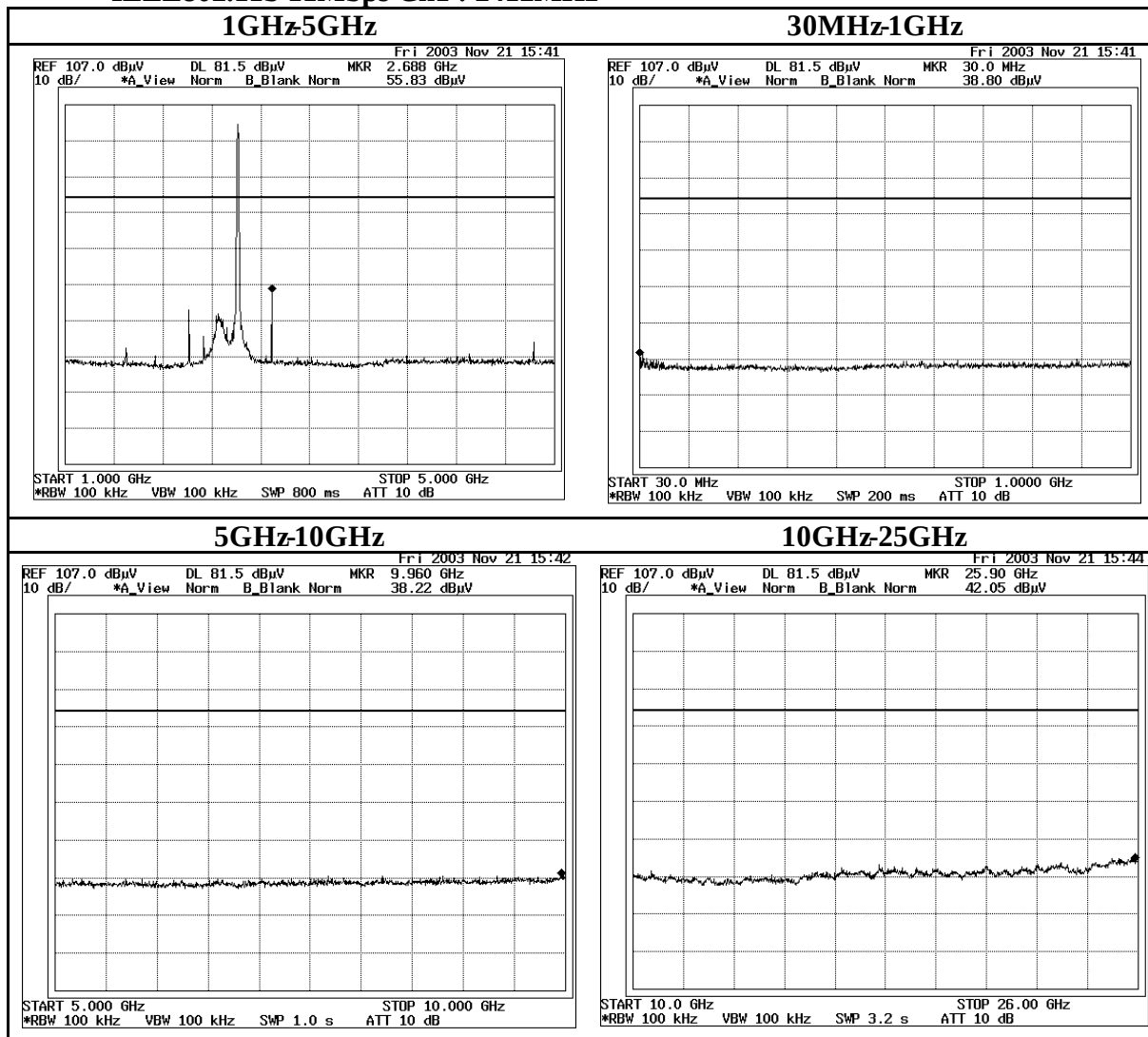
**Frequency:2483.5MHz Ver (Pk)**



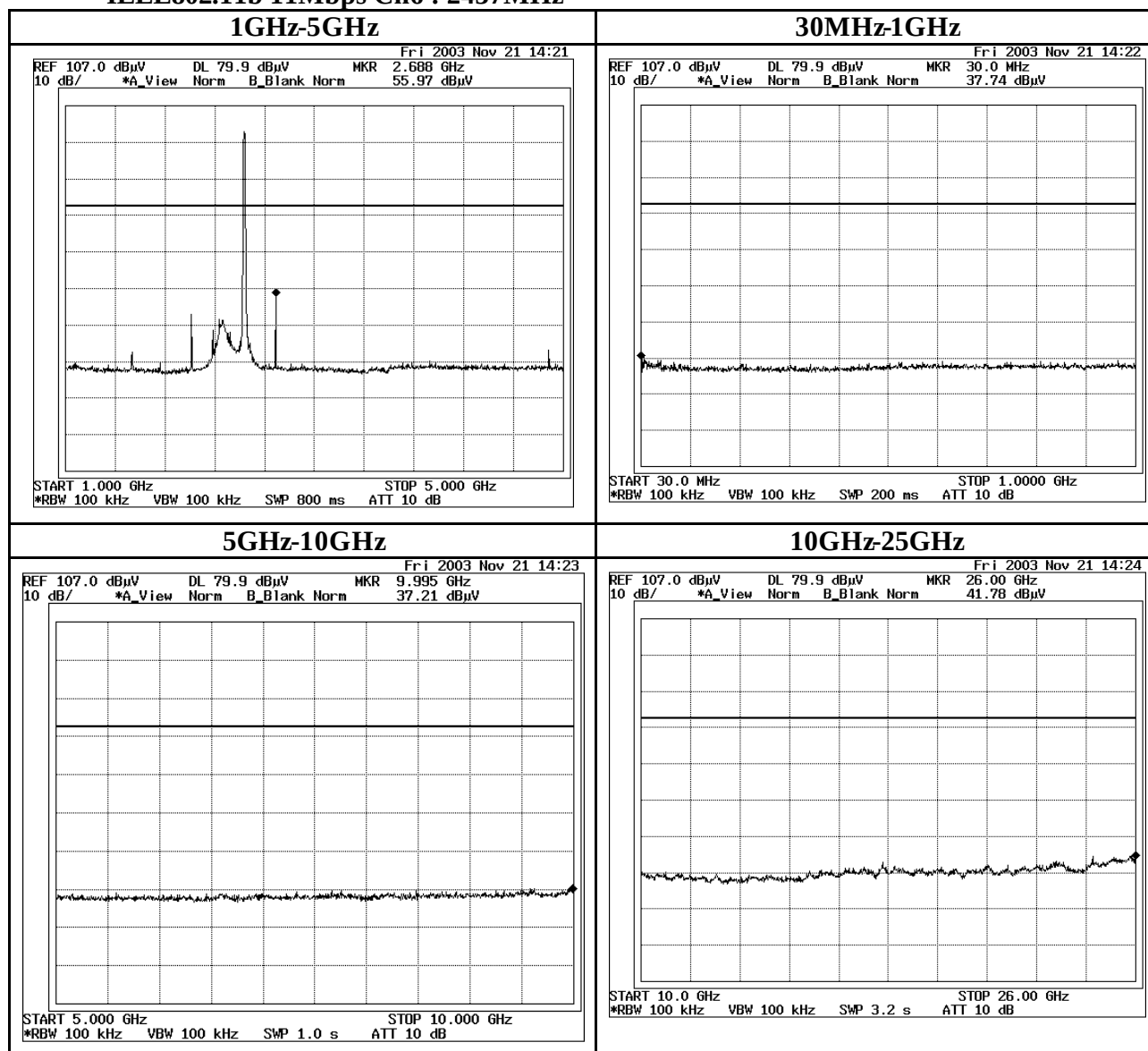
**Frequency:2483.5MHz Ver (Av)**



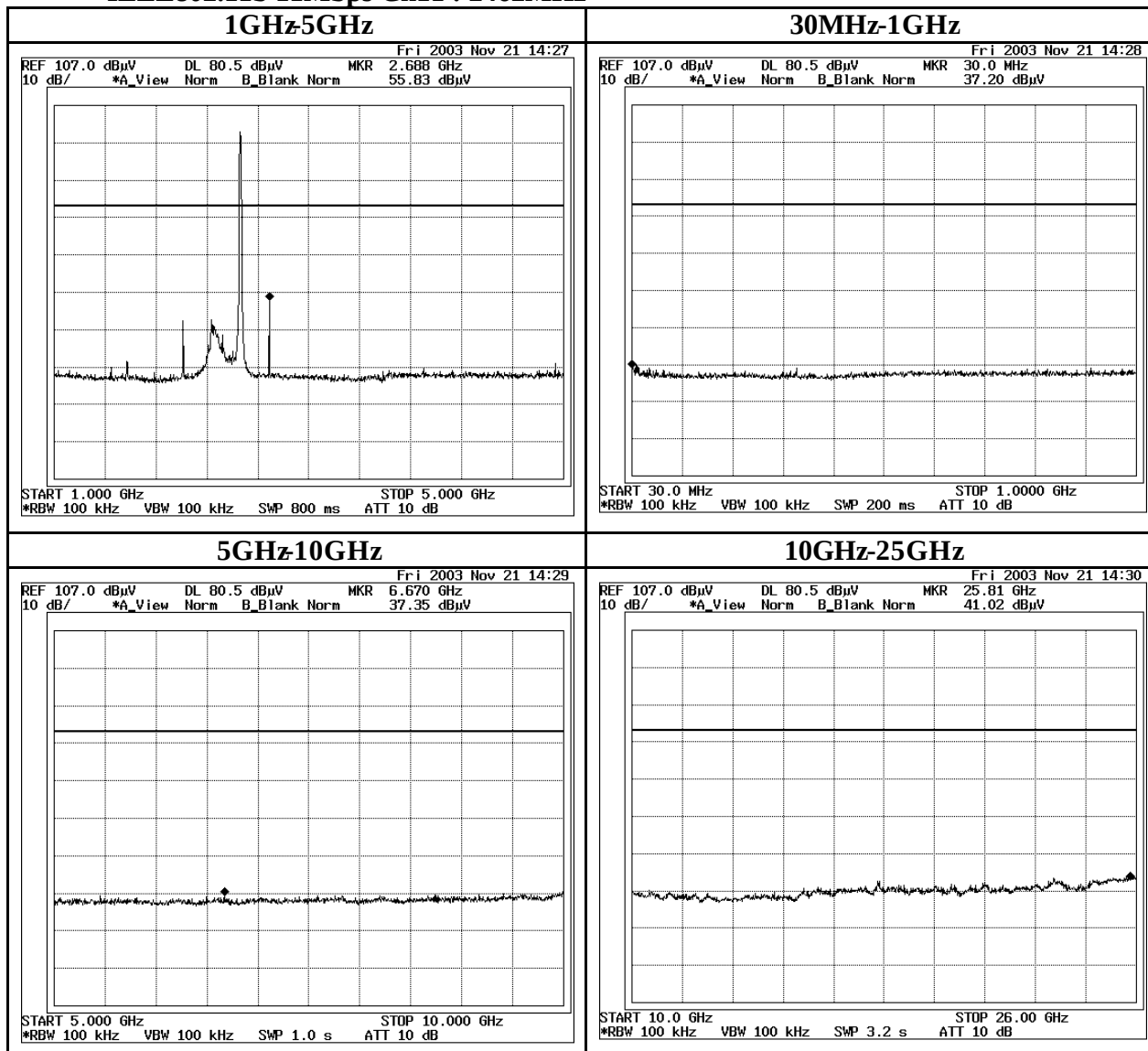
**Out of Band Emission : Conducted**  
**IEEE802.11b 11Mbps Ch1 : 2412MHz**



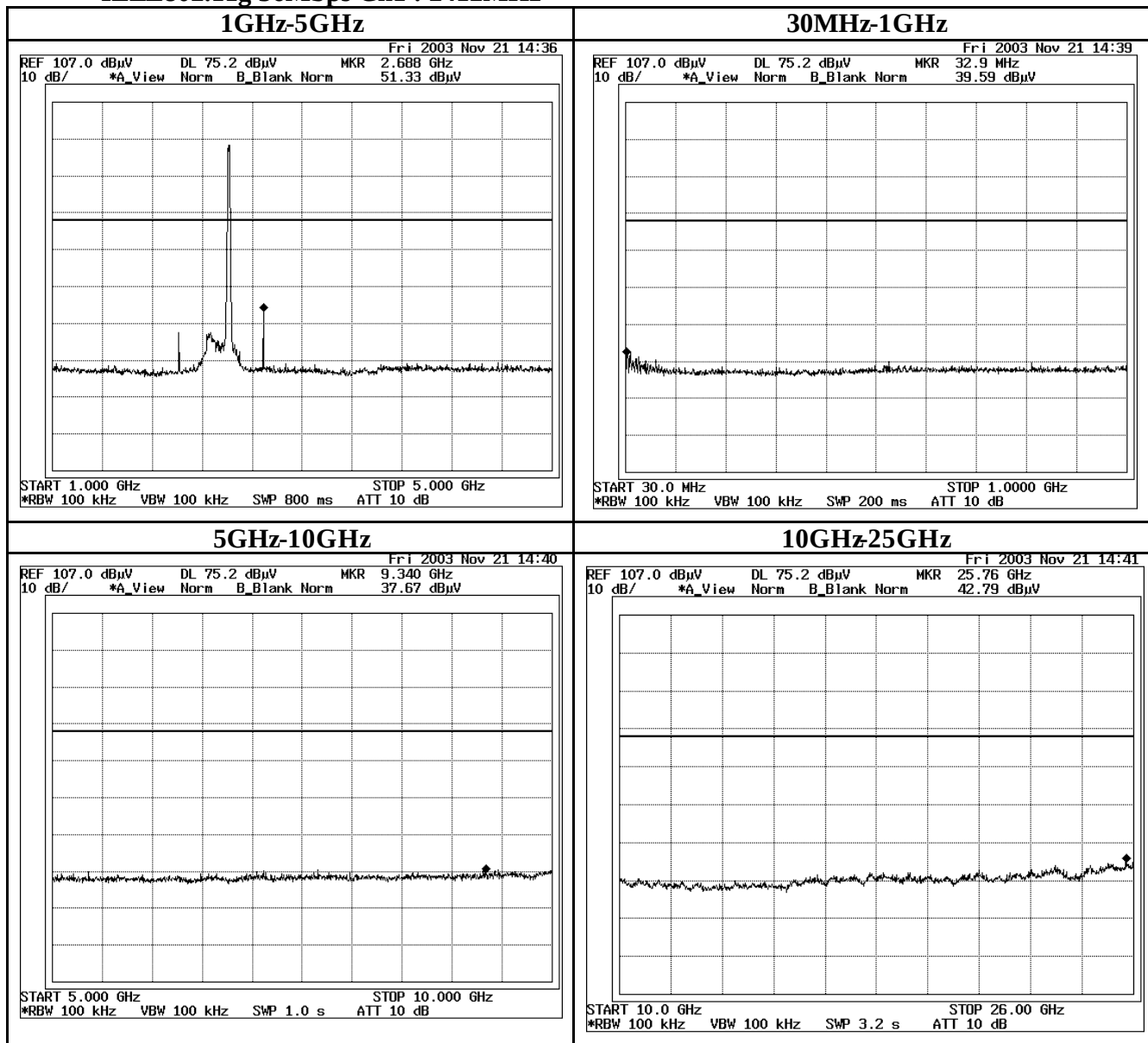
**Out of Band Emission : Conducted**  
**IEEE802.11b 11Mbps Ch6 : 2437MHz**



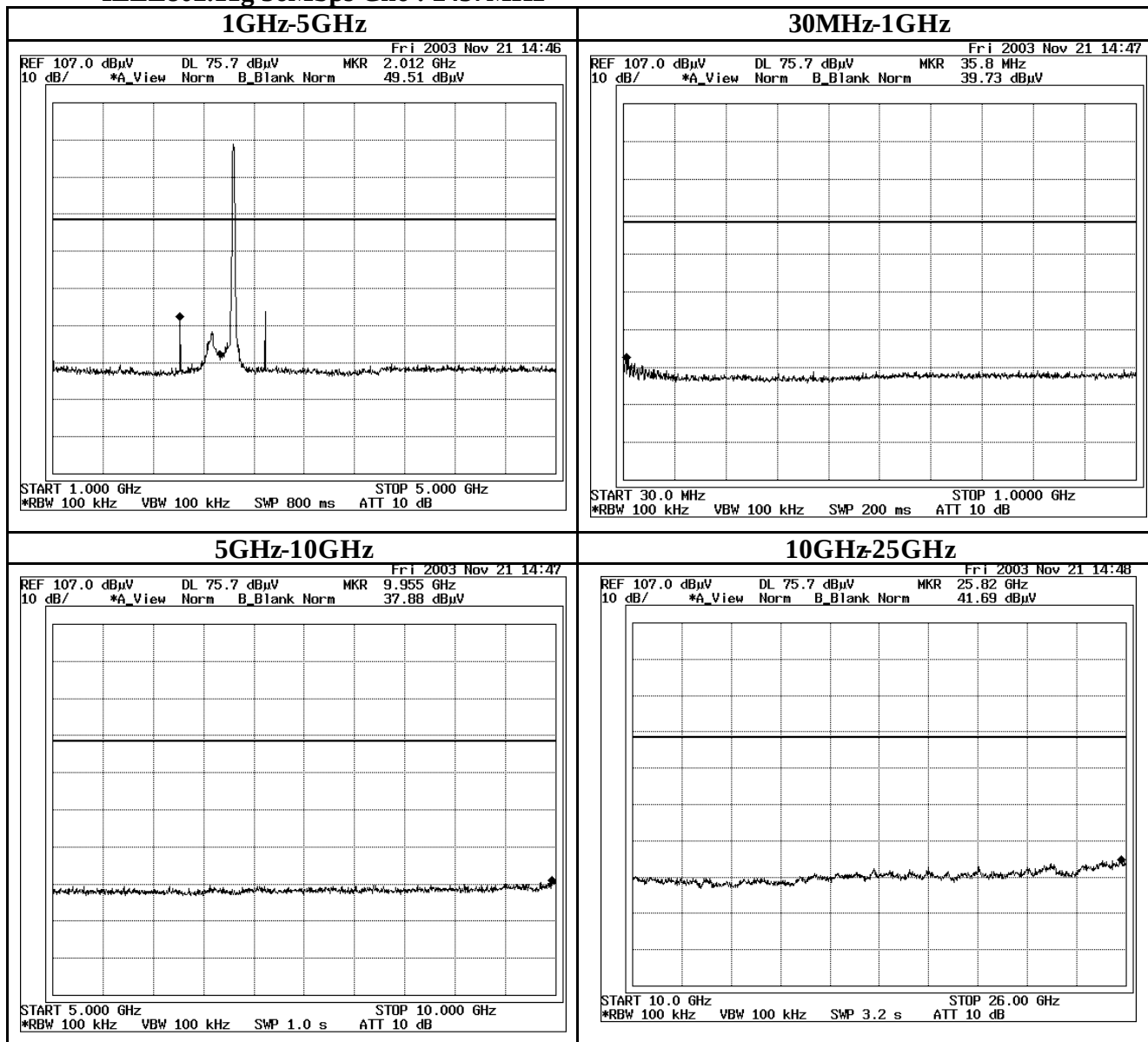
**Out of Band Emission : Conducted**  
**IEEE802.11b 11Mbps Ch11 : 2462MHz**



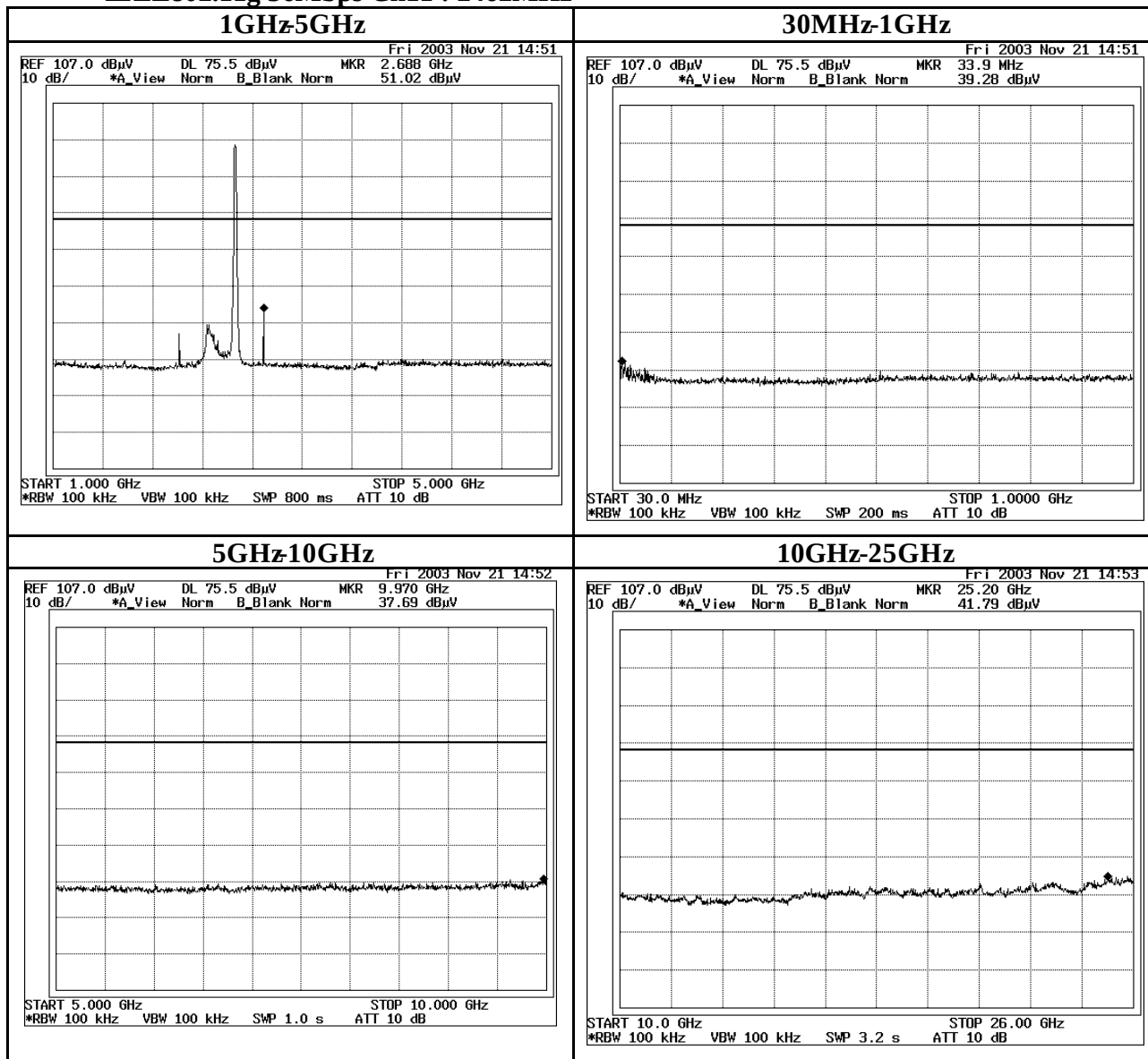
**Out of Band Emission : Conducted**  
**IEEE802.11g 36Mbps Ch1 : 2412MHz**



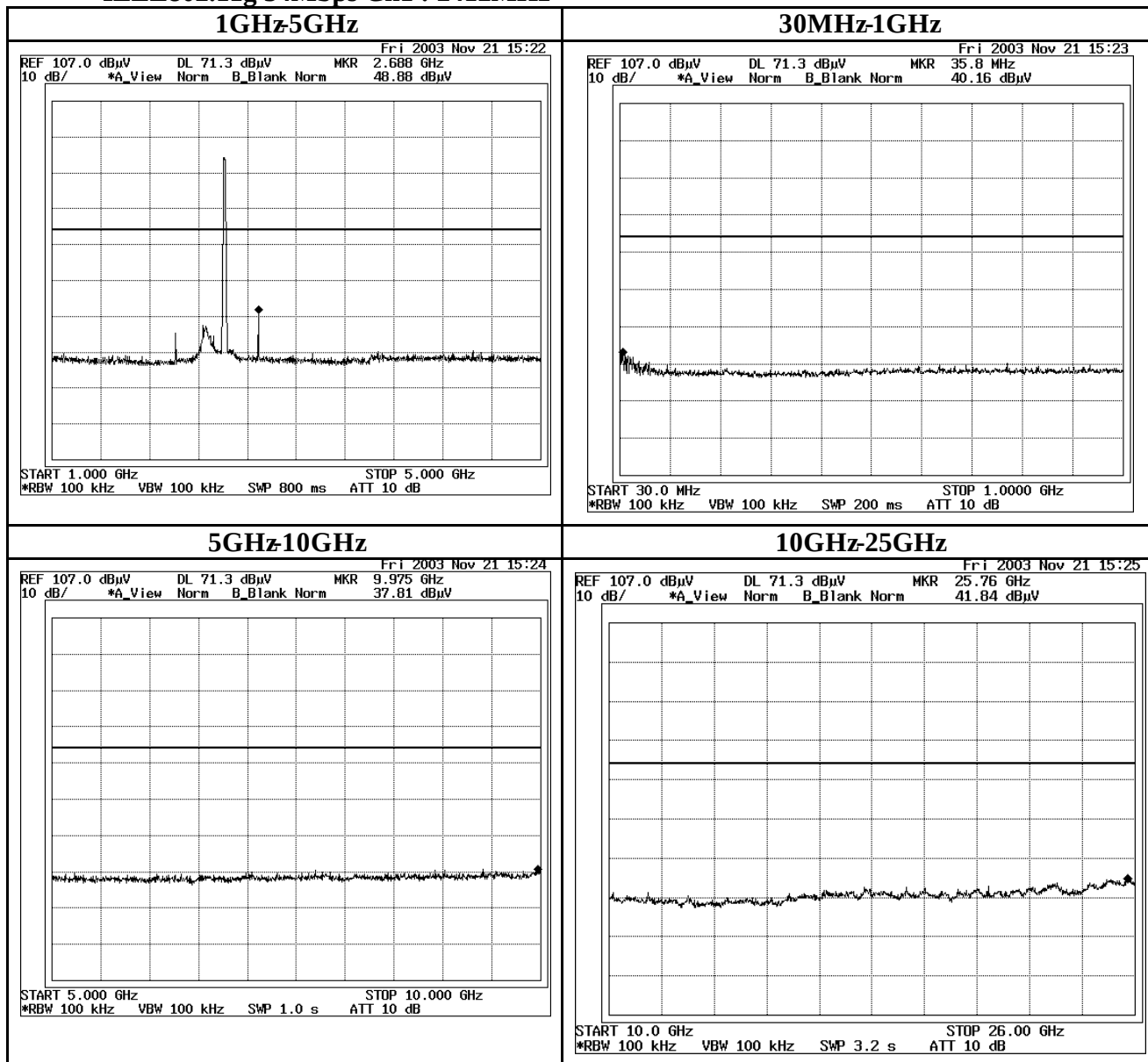
**Out of Band Emission : Conducted**  
**IEEE802.11g 36Mbps Ch6 : 2437MHz**



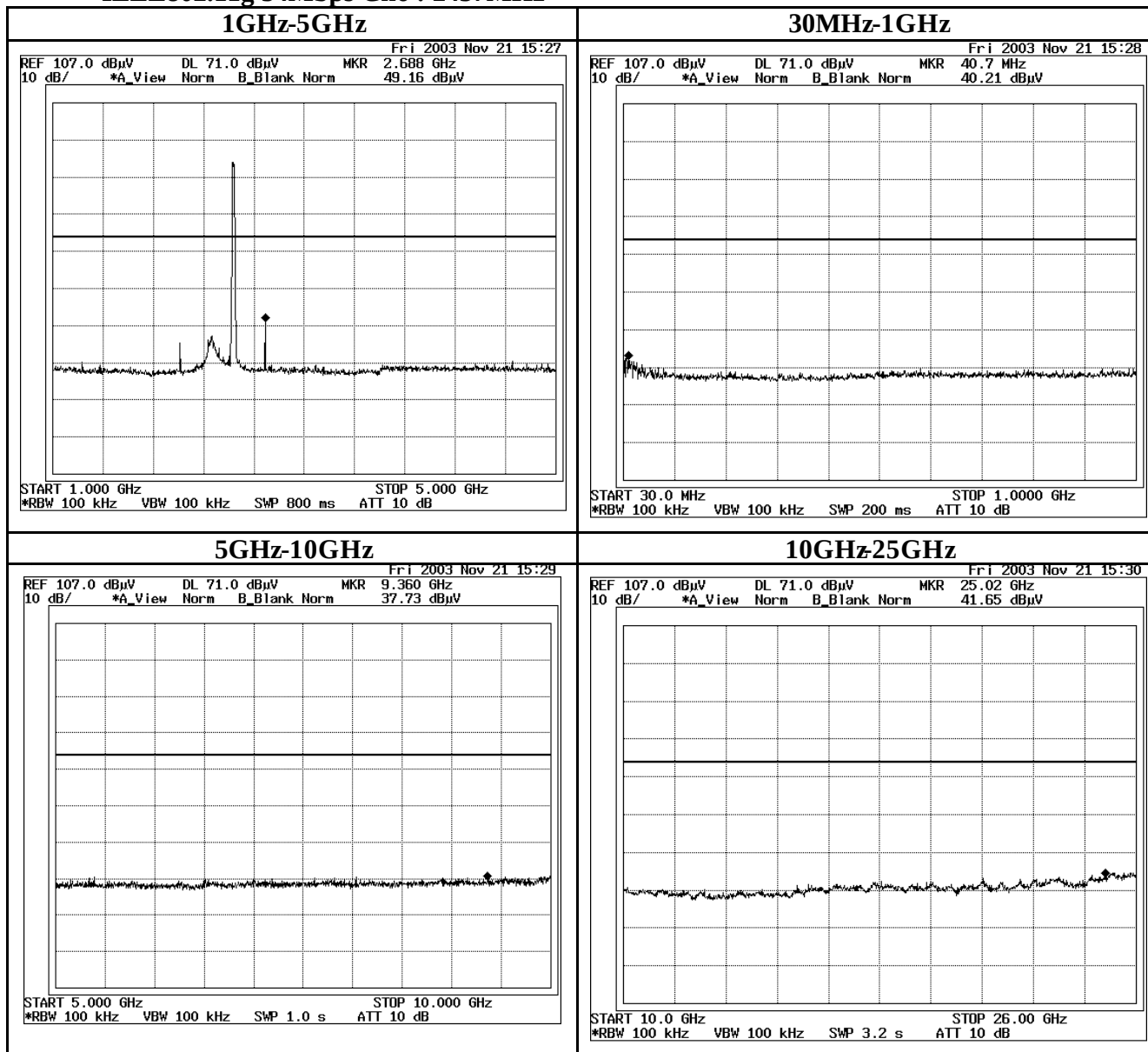
**Out of Band Emission : Conducted**  
**IEEE802.11g 36Mbps Ch11 : 2462MHz**



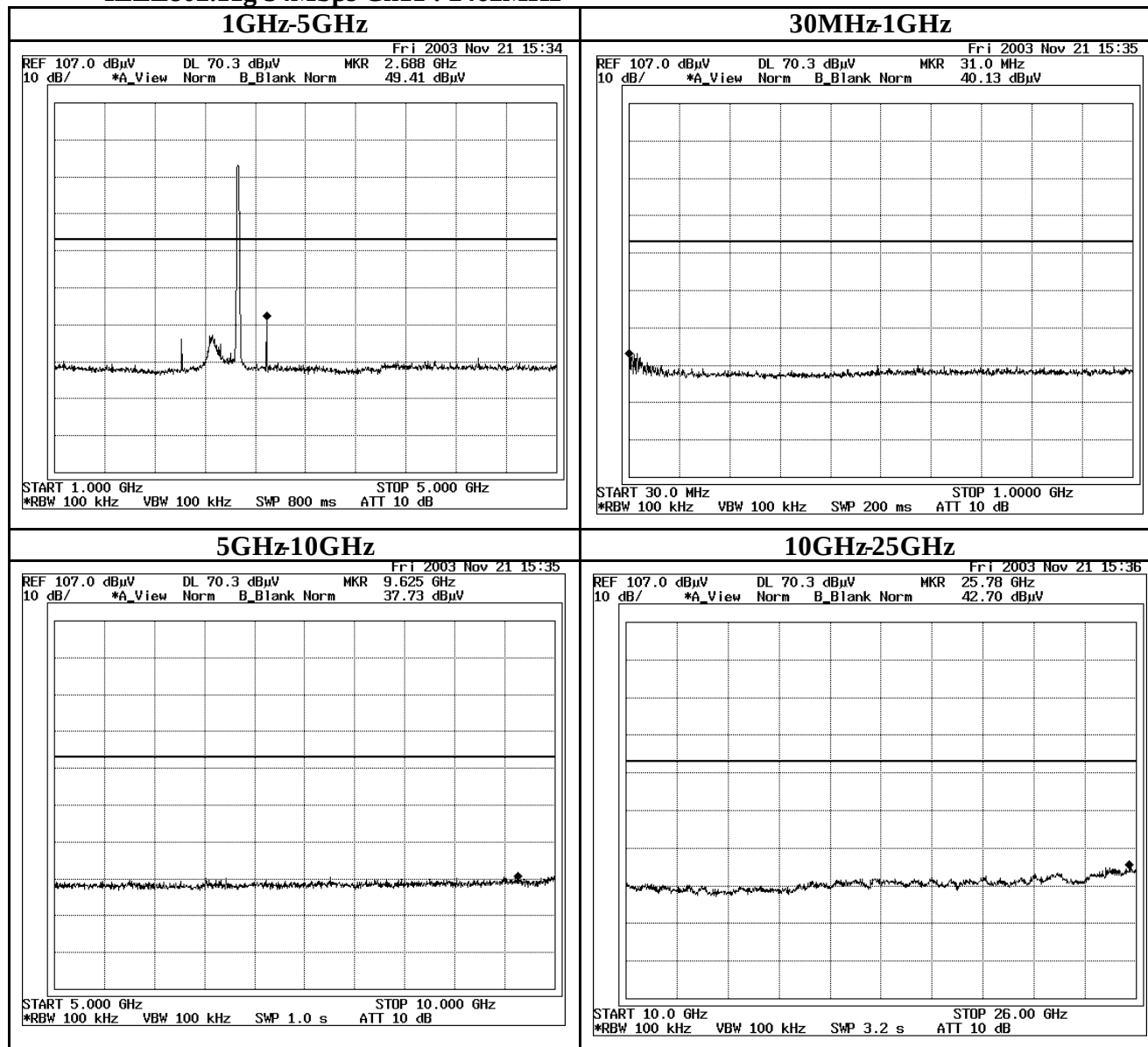
**Out of Band Emission : Conducted**  
**IEEE802.11g 54Mbps Ch1 : 2412MHz**



**Out of Band Emission : Conducted**  
**IEEE802.11g 54Mbps Ch6 : 2437MHz**



**Out of Band Emission : Conducted**  
**IEEE802.11g 54Mbps Ch11 : 2462MHz**



**Power Density (Conducted)**

**DATA OF POWER DENSITY(CONDUCTED)**

UL Apex Co., Ltd.  
Head Office EMC Lab. No.3 Measurement room

Company : Brother Corporation  
Equipment : Wireless LAN Card  
Model : NC-7100  
Sample No. : BR1-009  
Power : DC 3.3V  
Mode : Transmitting  
FCC ID :  
IC No. :

REPORT NO : 24BE0174-HO  
REGULATION : Fcc Part15 Subpart C 15.247(d)  
TEST DISTANCE : -  
DATE : 11/17/2003  
TEMPERATURE : 23deg.C  
HUMIDITY : 40%  
ENGINEER : Kenichi Adachi

IEEE802.11b, Rate: 11Mbps

| ch   | FREQ<br>[MHz] | S/A<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | ATTEN.<br>[dB] | Result<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] |
|------|---------------|-------------------------|-----------------------|----------------|-----------------|----------------|----------------|
| ch1  | 2412.3        | -14.66                  | 3.4                   | 10.0           | -1.3            | 8.0            | 9.3            |
| ch6  | 2437.3        | -14.26                  | 3.4                   | 10.0           | -0.9            | 8.0            | 8.9            |
| ch11 | 2462.3        | -15.70                  | 3.5                   | 10.0           | -2.2            | 8.0            | 10.2           |

IEEE802.11g, Rate: 36Mbps

| ch   | FREQ<br>[MHz] | S/A<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | ATTEN.<br>[dB] | Result<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] |
|------|---------------|-------------------------|-----------------------|----------------|-----------------|----------------|----------------|
| ch1  | 2412.3        | -19.48                  | 3.4                   | 10.0           | -6.1            | 8.0            | 14.1           |
| ch6  | 2437.3        | -19.74                  | 3.4                   | 10.0           | -6.3            | 8.0            | 14.3           |
| ch11 | 2462.3        | -20.17                  | 3.5                   | 10.0           | -6.7            | 8.0            | 14.7           |

IEEE802.11g, Rate: 54Mbps

| ch   | FREQ<br>[MHz] | S/A<br>Reading<br>[dBm] | Cable<br>Loss<br>[dB] | ATTEN.<br>[dB] | Result<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] |
|------|---------------|-------------------------|-----------------------|----------------|-----------------|----------------|----------------|
| ch1  | 2412.3        | -24.89                  | 3.4                   | 10.0           | -11.5           | 8.0            | 19.5           |
| ch6  | 2437.3        | -25.20                  | 3.4                   | 10.0           | -11.8           | 8.0            | 19.8           |
| ch11 | 2462.3        | -24.88                  | 3.5                   | 10.0           | -11.4           | 8.0            | 19.4           |

Sample Calculation:

Result = Reading + (Cable+ATTEN.)Loss

Test Instruments : MRENT-06, MAT-20, MCC-22

**UL Apex Co., Ltd.**

**Head Office EMC Lab.**

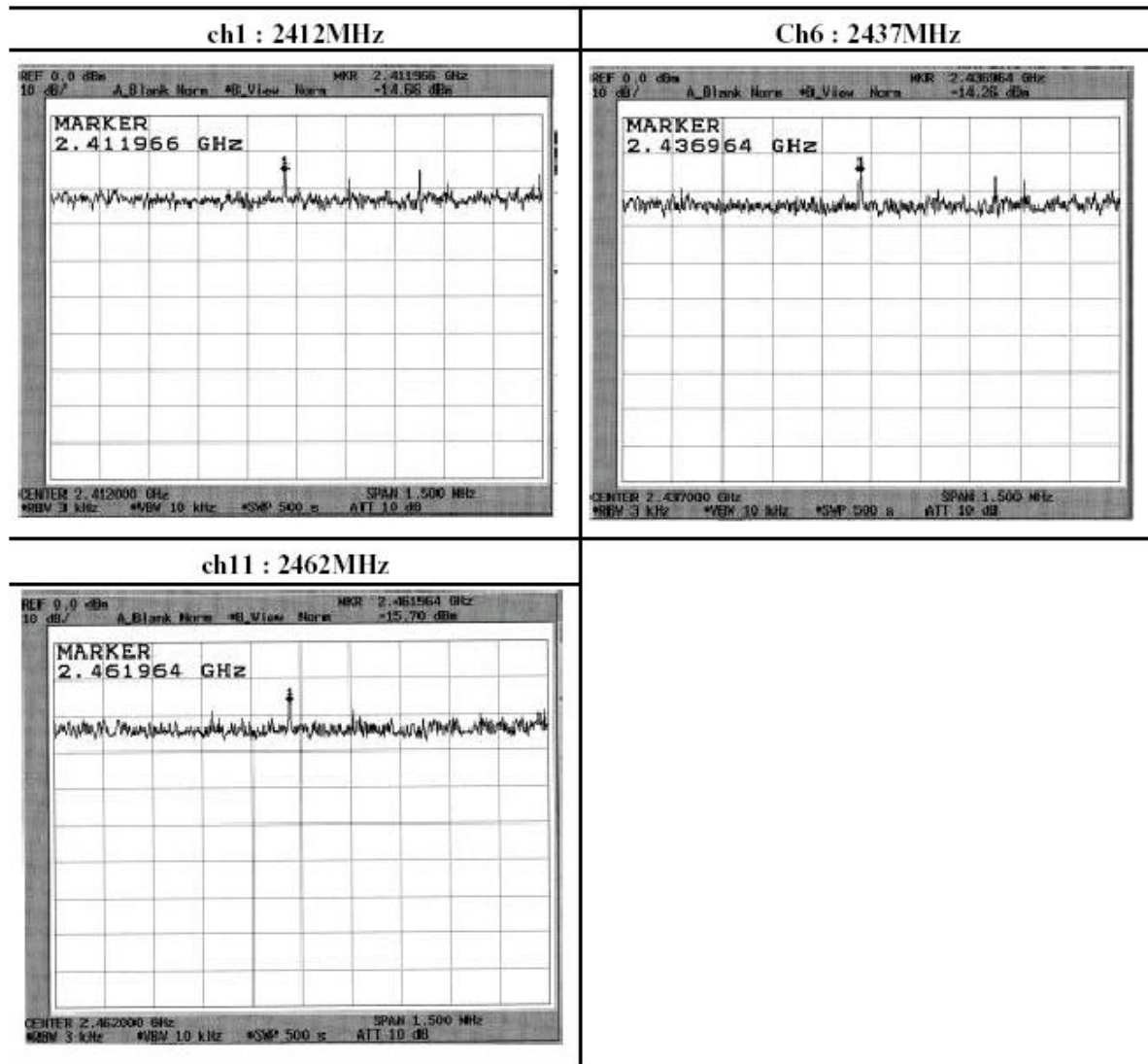
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

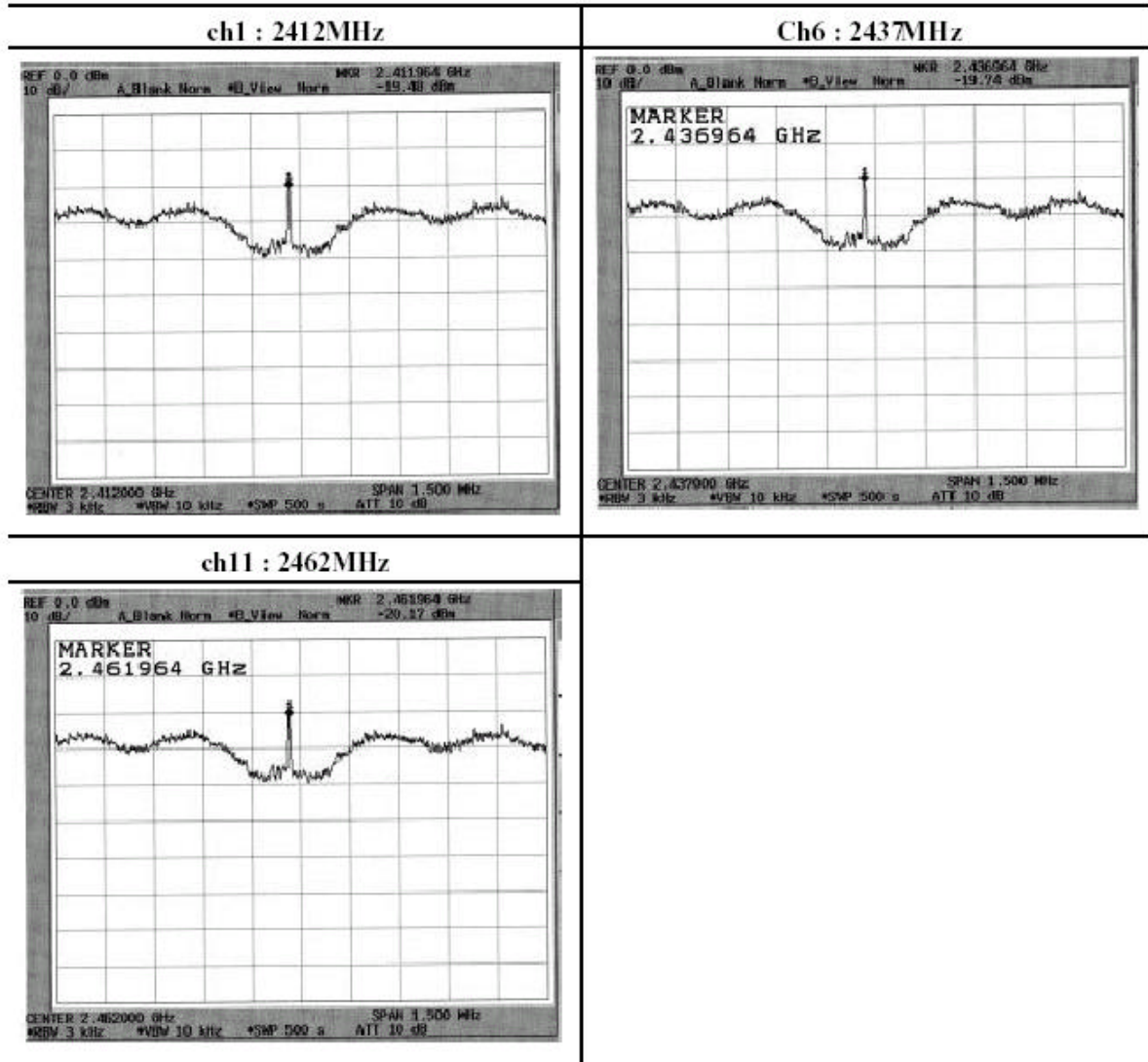
Facsimile : +81 596 24 8124

MF060b(10.04.03)

IEEE802.11b , Data Rate: 11Mbps



IEEE802.11g, Data Rate: 36Mbps



IEEE802.11g , Data Rate: 54Mbps

