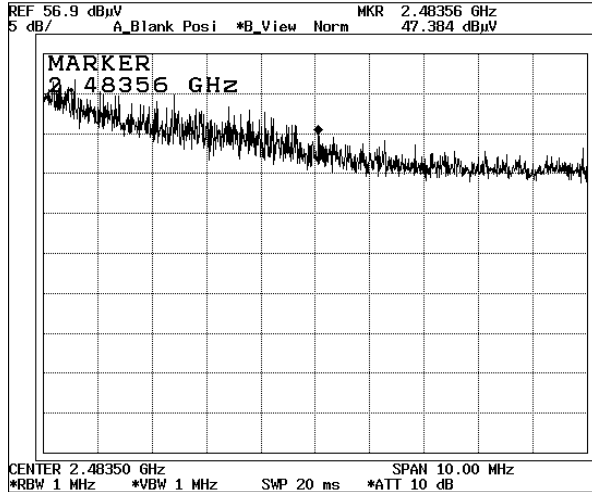
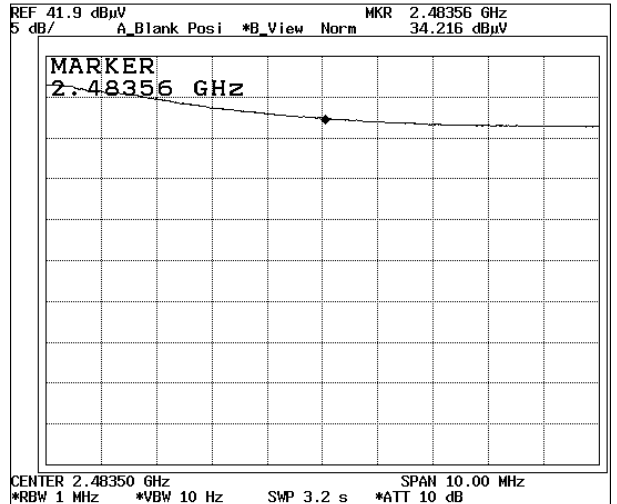


Out of Band Emission : Restricted Band Edges (Radiated)
IEEE802.11g 54Mbps In - Antenna Ch11:2462MHz

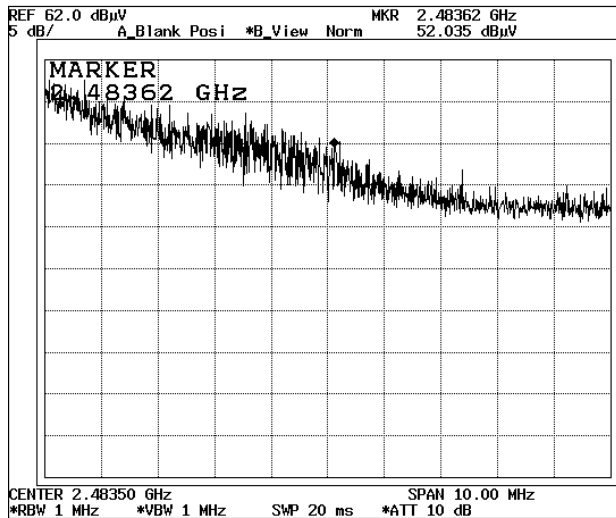
Frequency:2483.5MHz Hor (Pk)



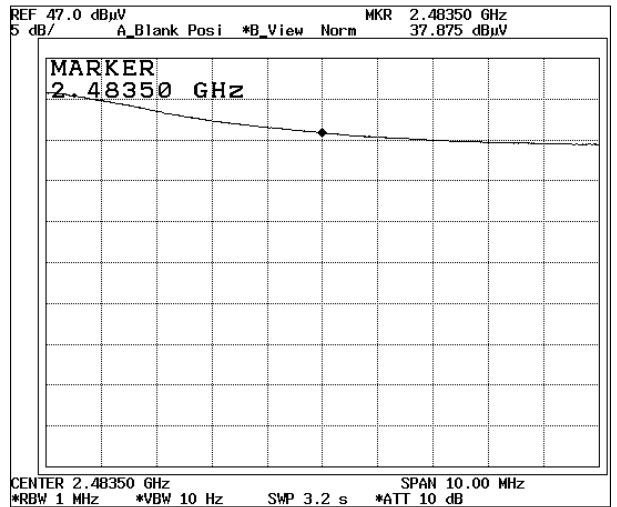
Frequency:2483.5MHz Hor (Av)



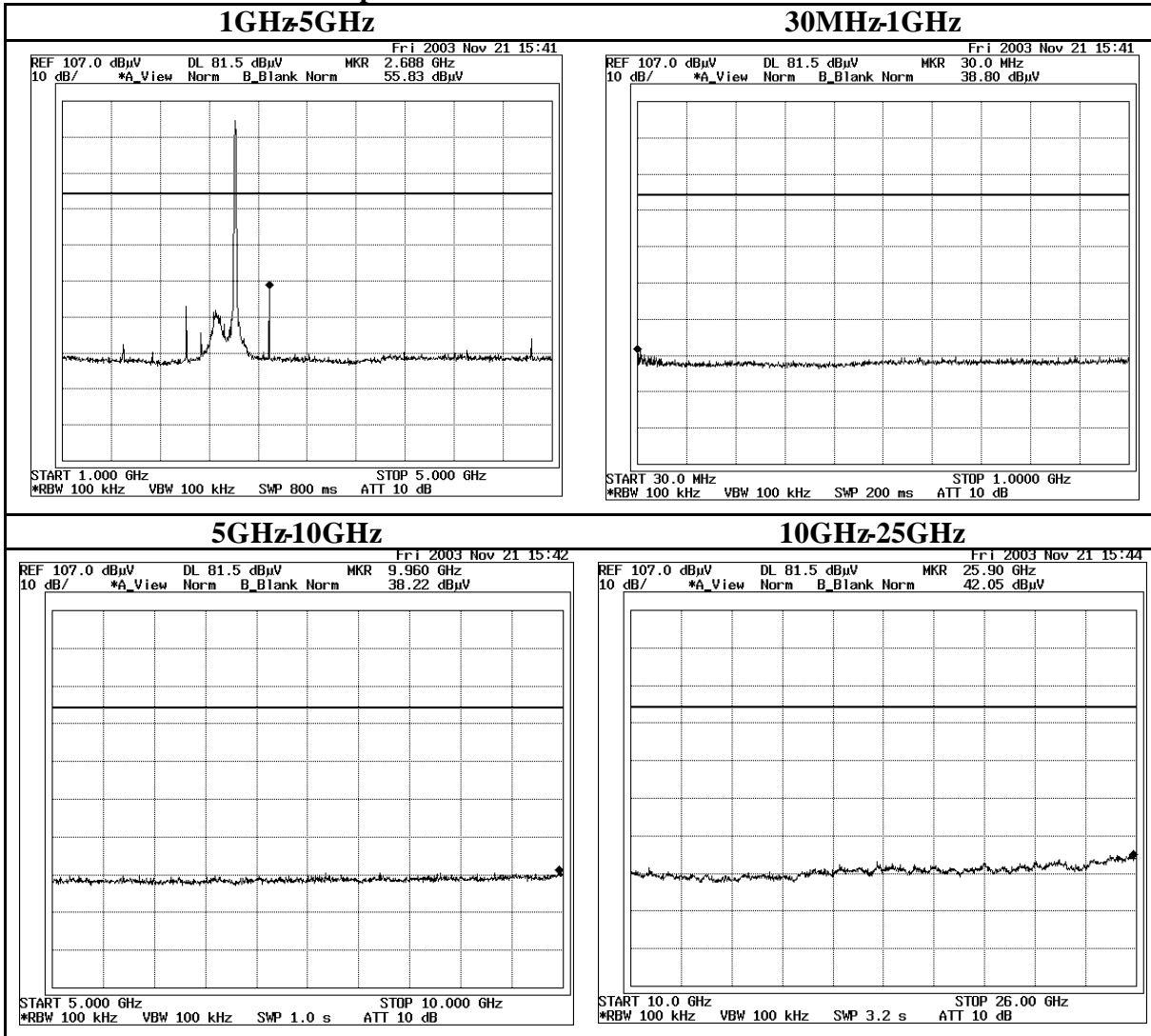
Frequency:2483.5MHz Ver (Pk)



Frequency:2483.5MHz Ver (Av)



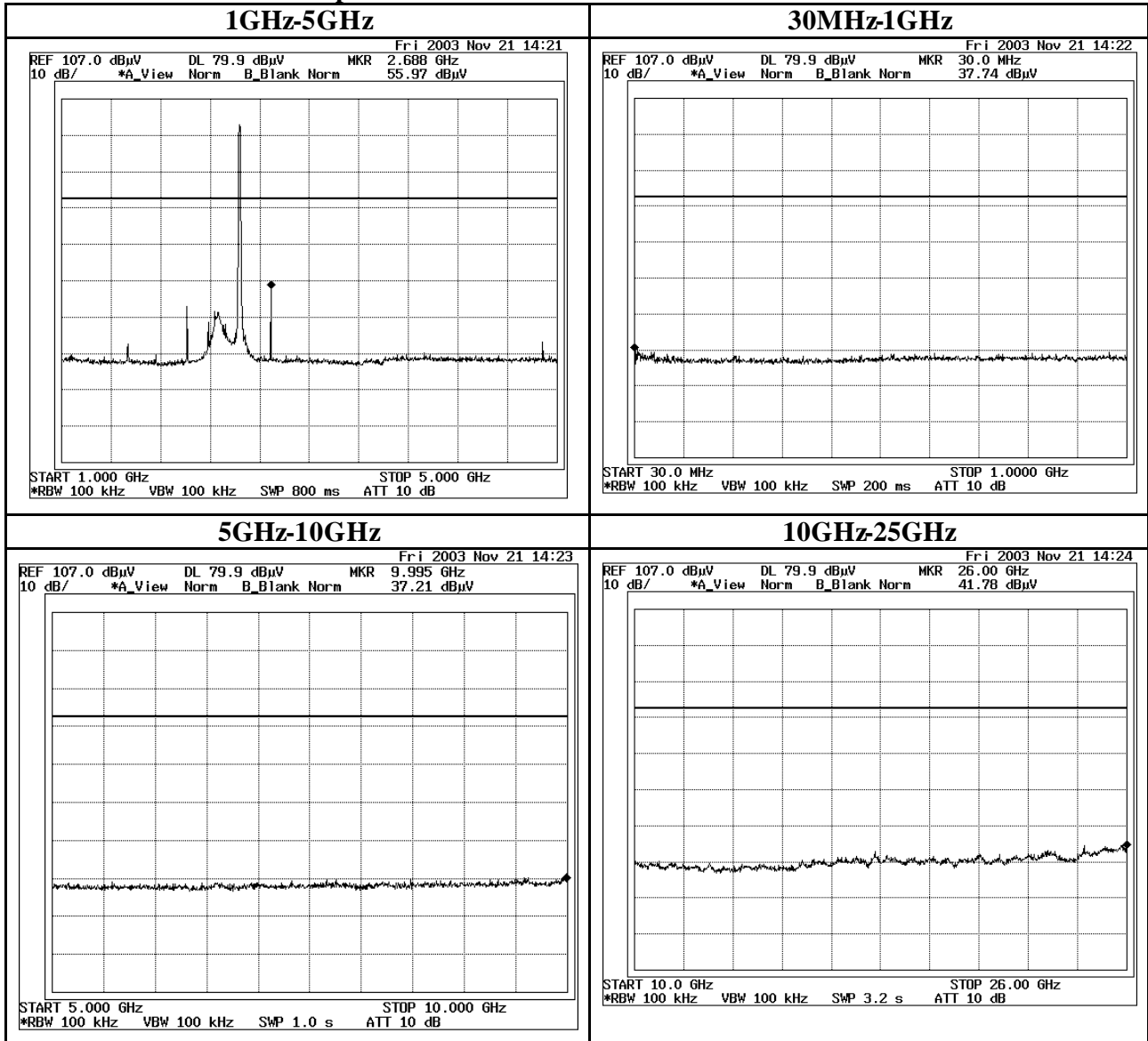
Out of Band Emission : Conducted
IEEE802.11b 11Mbps Ch1 : 2412MHz



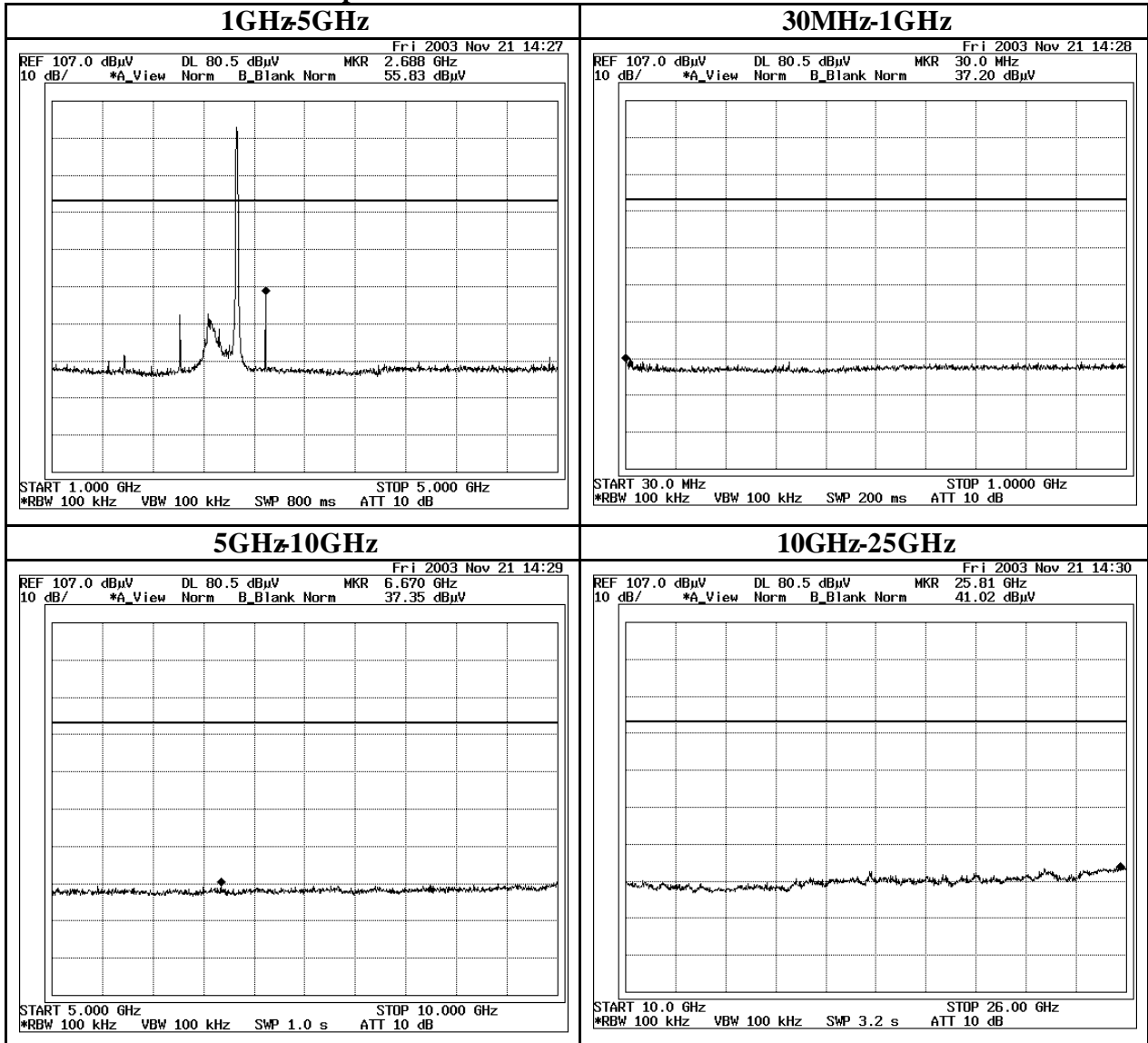
UL Apex Co., Ltd.
Head Office EMC Lab.
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Telephone : +81 596 24 8116
Facsimile : +81 596 24 8124

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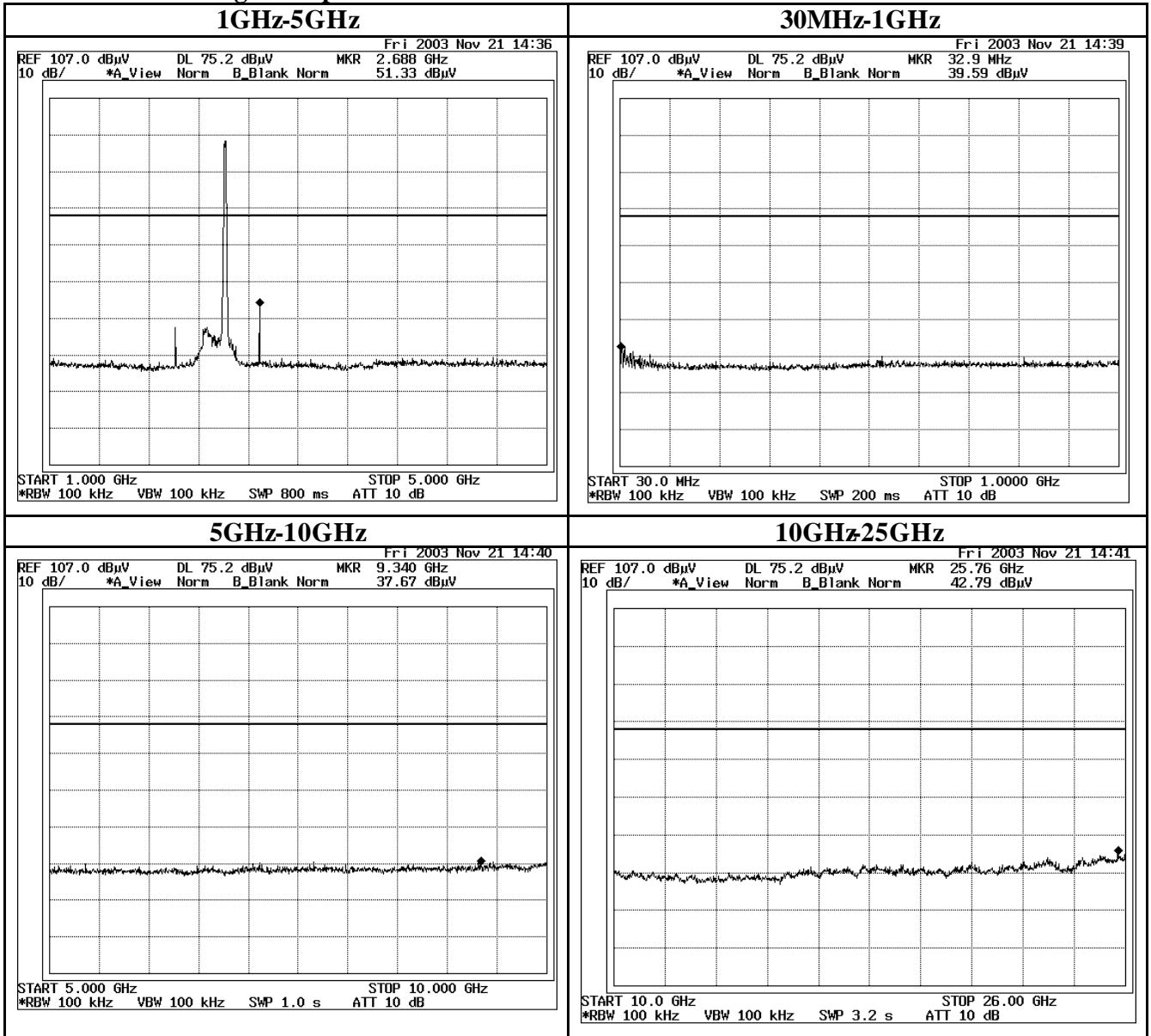
Out of Band Emission : Conducted
IEEE802.11b 11Mbps Ch6 : 2437MHz



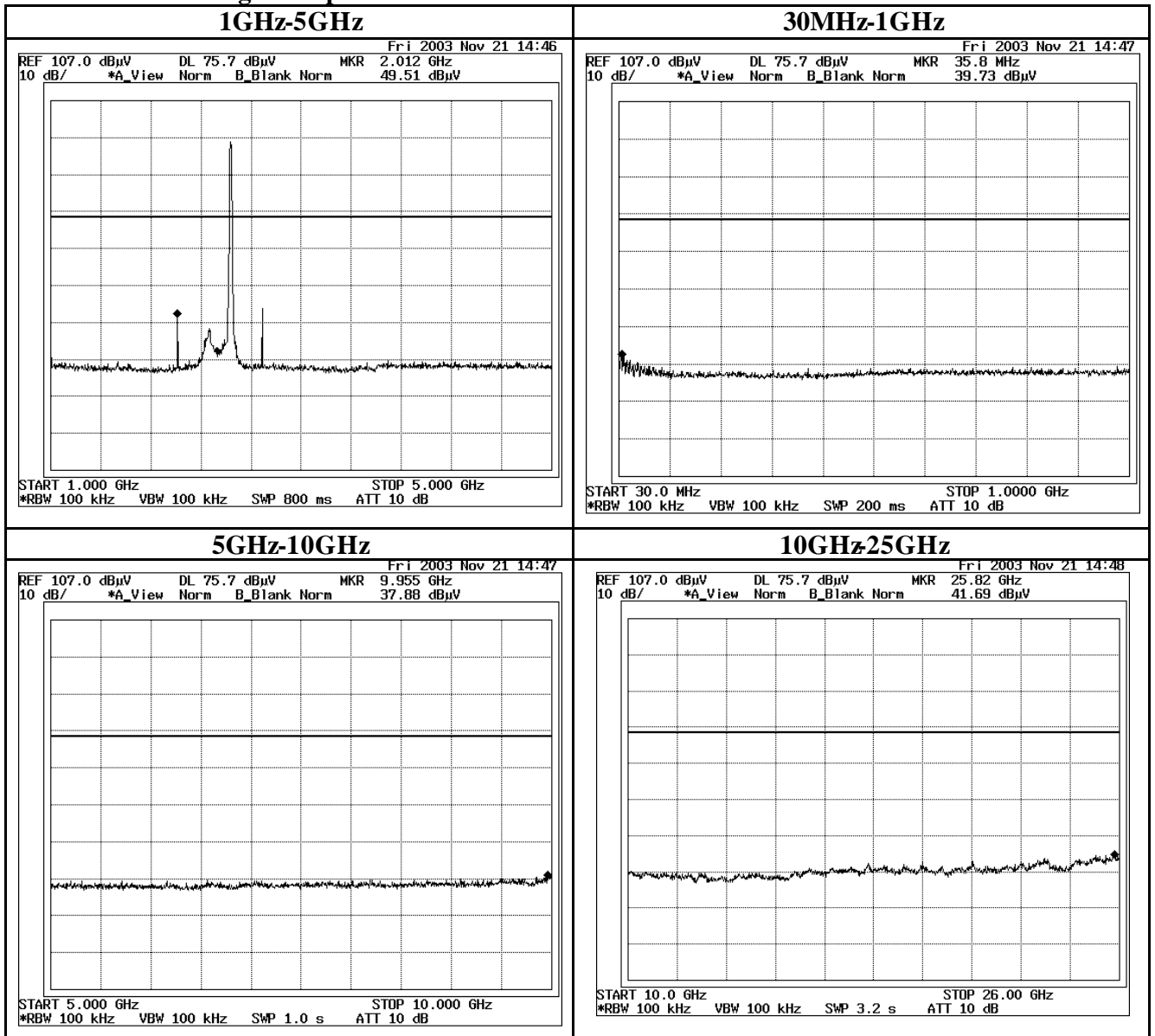
Out of Band Emission : Conducted
IEEE802.11b 11Mbps Ch11 : 2462MHz



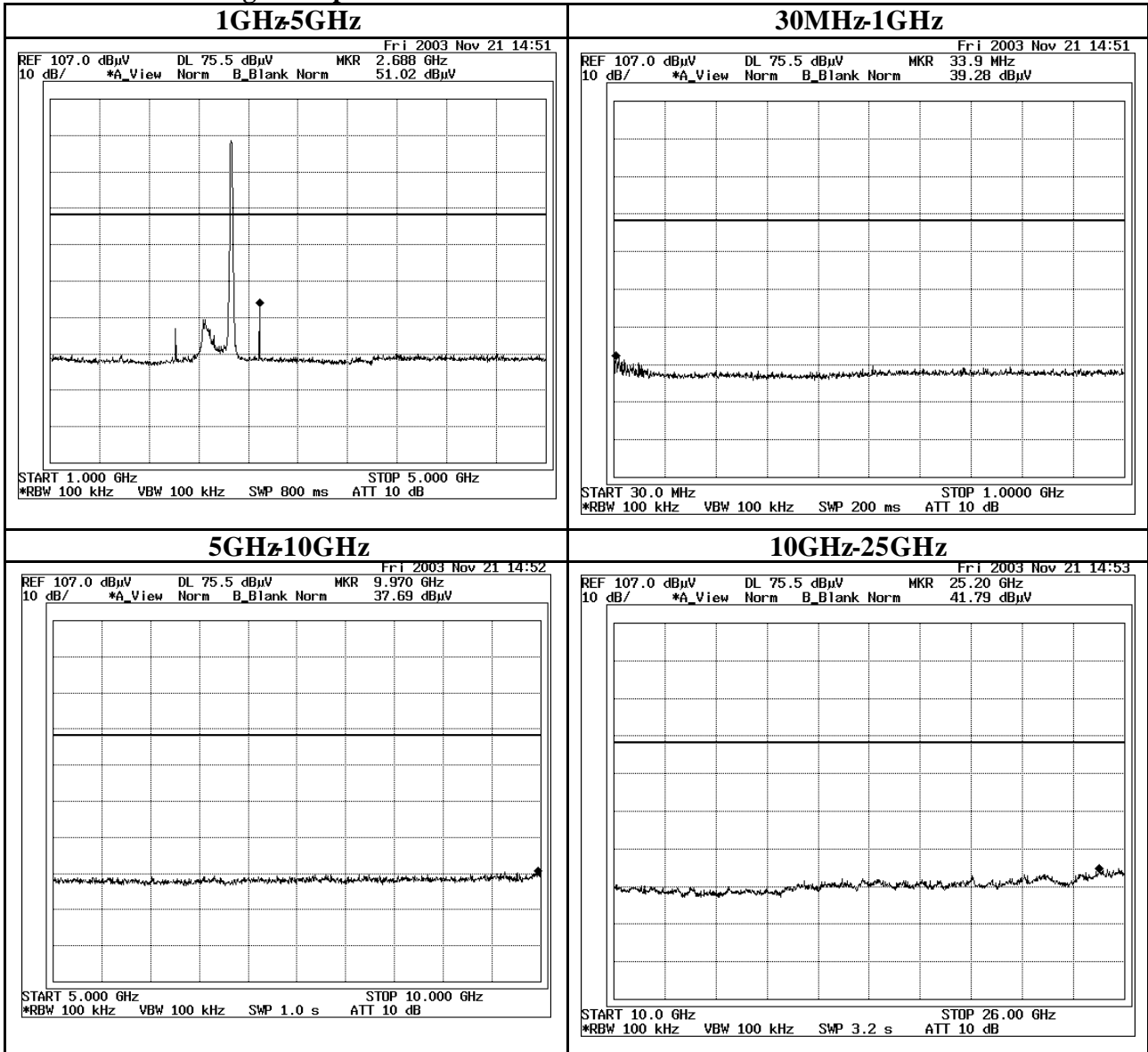
Out of Band Emission : Conducted
IEEE802.11g 36Mbps Ch1 : 2412MHz



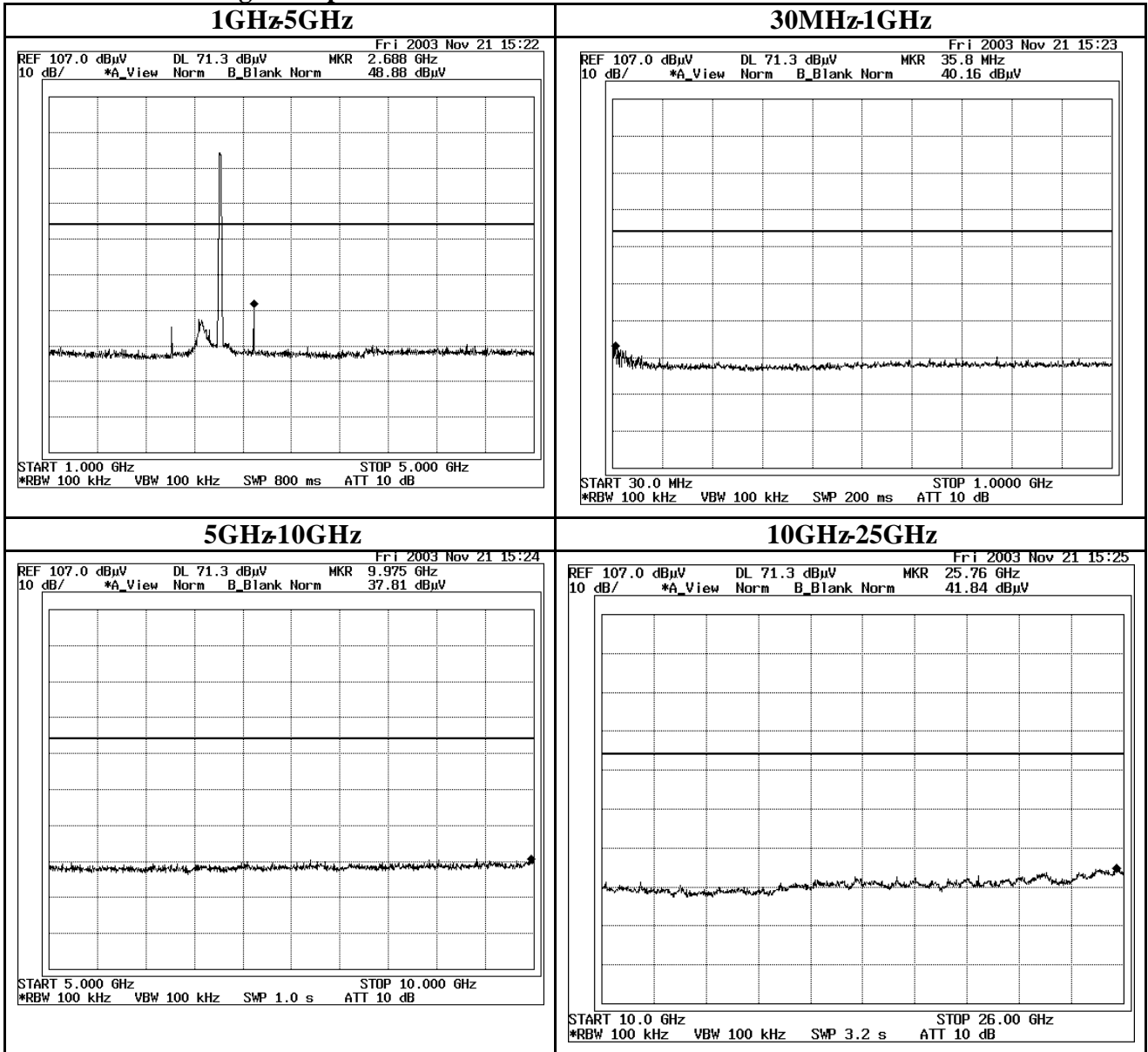
Out of Band Emission : Conducted
IEEE802.11g 36Mbps Ch6 : 2437MHz



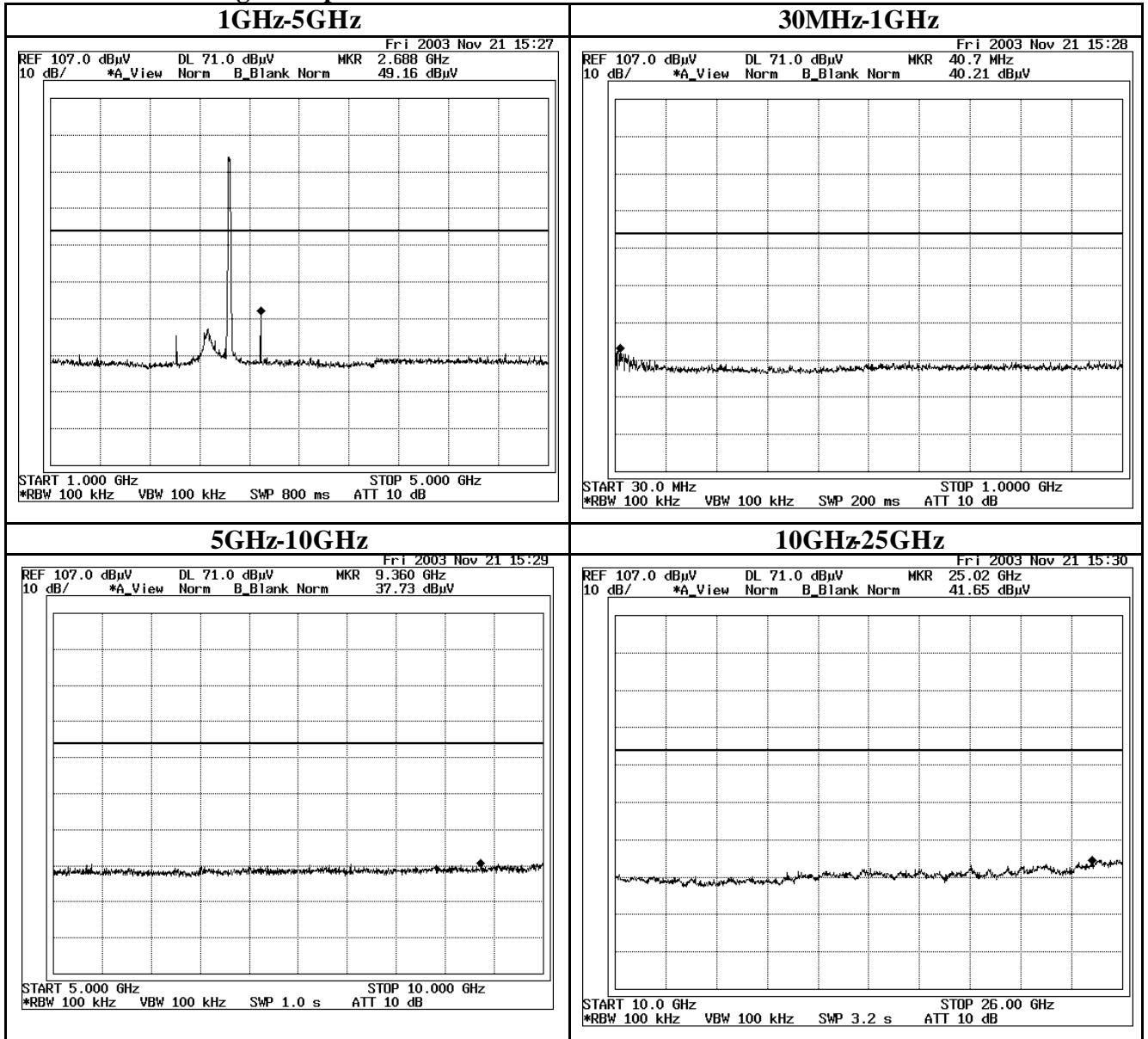
Out of Band Emission : Conducted
IEEE802.11g 36Mbps Ch11 : 2462MHz



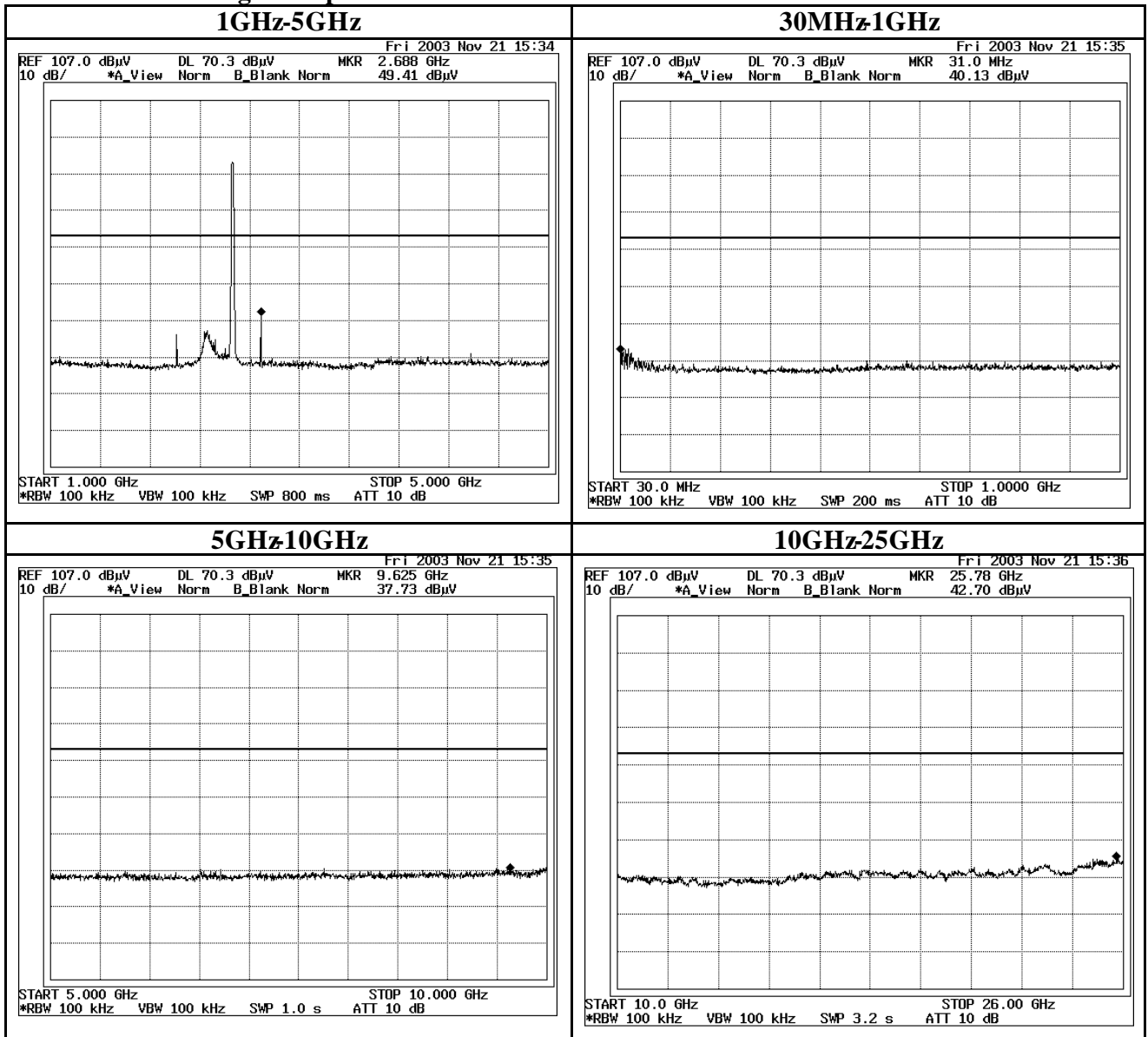
Out of Band Emission : Conducted
IEEE802.11g 54Mbps Ch1 : 2412MHz



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



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



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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 [MHz]	S/A Reading [dBm]	Cable Loss [dB]	ATTEN. [dB]	Result [dBm]	Limit [dBm]	Margin [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 [MHz]	S/A Reading [dBm]	Cable Loss [dB]	ATTEN. [dB]	Result [dBm]	Limit [dBm]	Margin [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 [MHz]	S/A Reading [dBm]	Cable Loss [dB]	ATTEN. [dB]	Result [dBm]	Limit [dBm]	Margin [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:

$$\text{Result} = \text{Reading} + (\text{Cable} + \text{ATTEN.})\text{Loss}$$

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

UL Apex Co., Ltd.

Head Office EMC Lab.

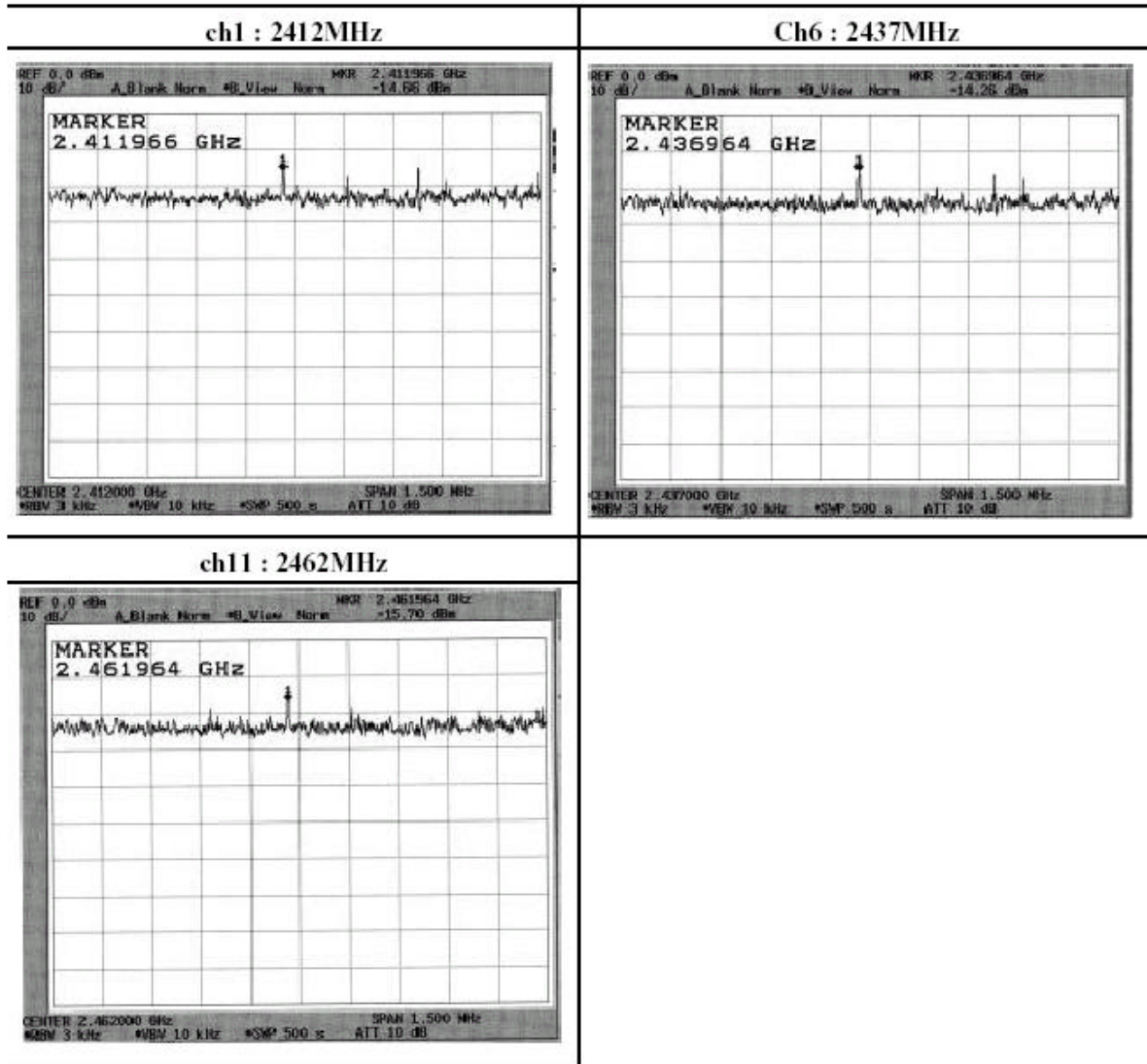
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Telephone : +81 596 24 8116

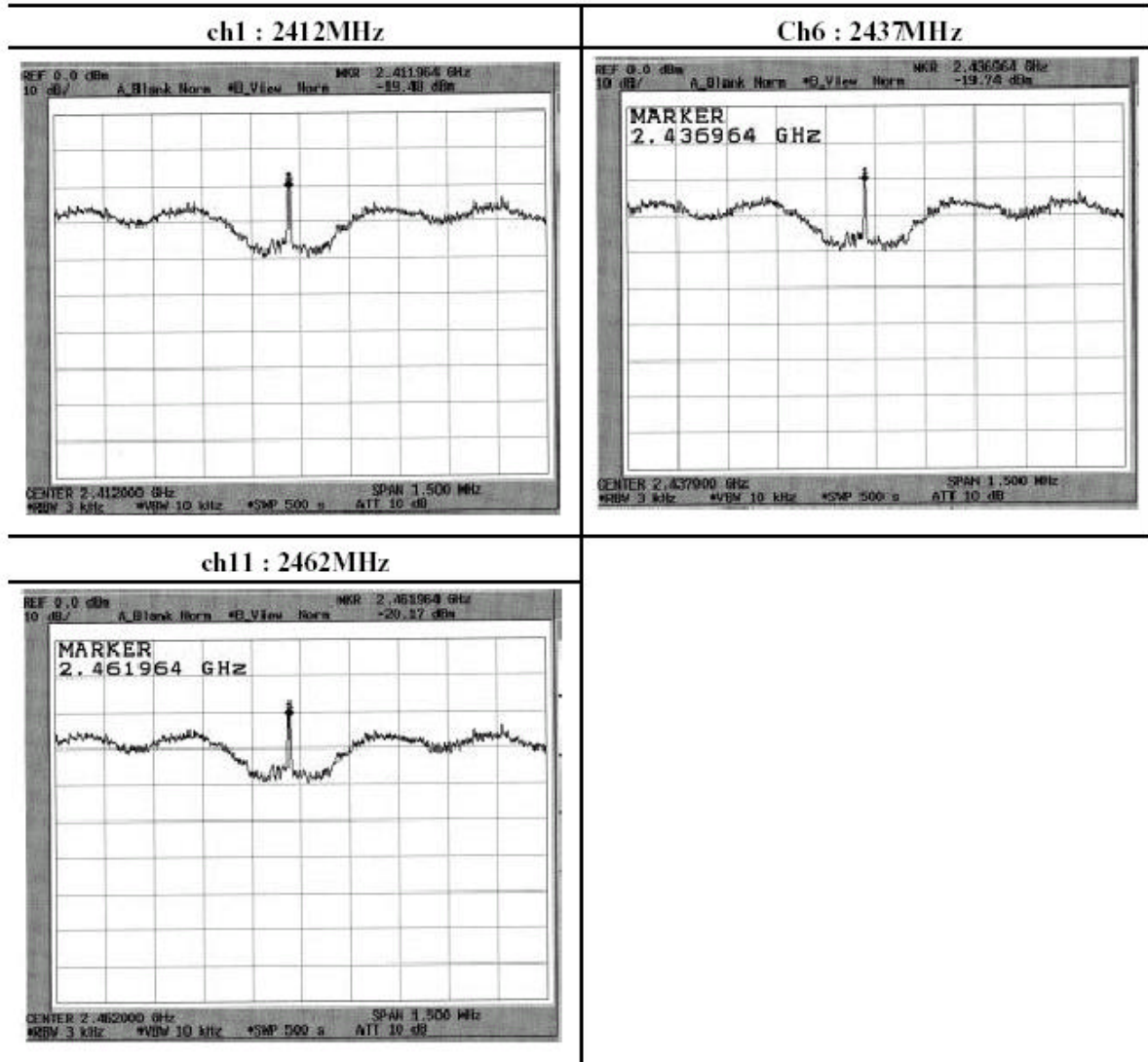
Facsimile : +81 596 24 8124

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IEEE802.11b , Data Rate: 11Mbps



IEEE802.11g, Data Rate: 36Mbps



IEEE802.11g , Data Rate: 54Mbps

