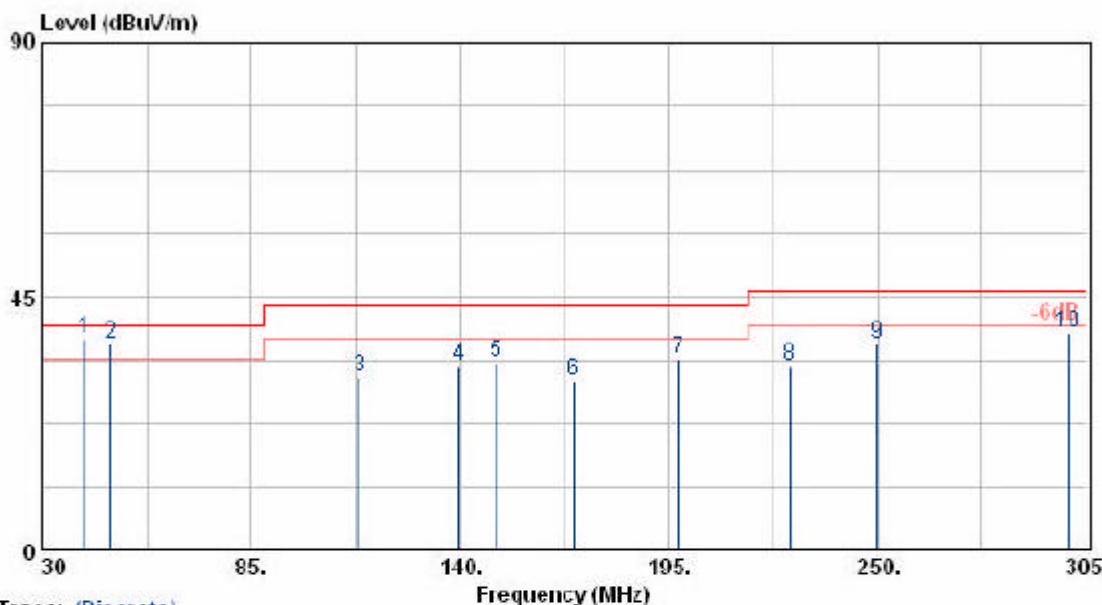


Antenna type 6:external omni antenna (Model:MFB49009)

EUT	: Razor	Pol/Phase	: HORIZONTAL
Power	: 120V	Temperature	: 31 °C
Test Mode	: Transmit/Receive	Humidity	: 65 %
Operation Channel	: 64	Atmospheric Pressure	: 1016 mmHg
Modulation Type	: QPSK		
Rate	: 6 Mbps		
Memo	: MFB49009 (9dBi)		

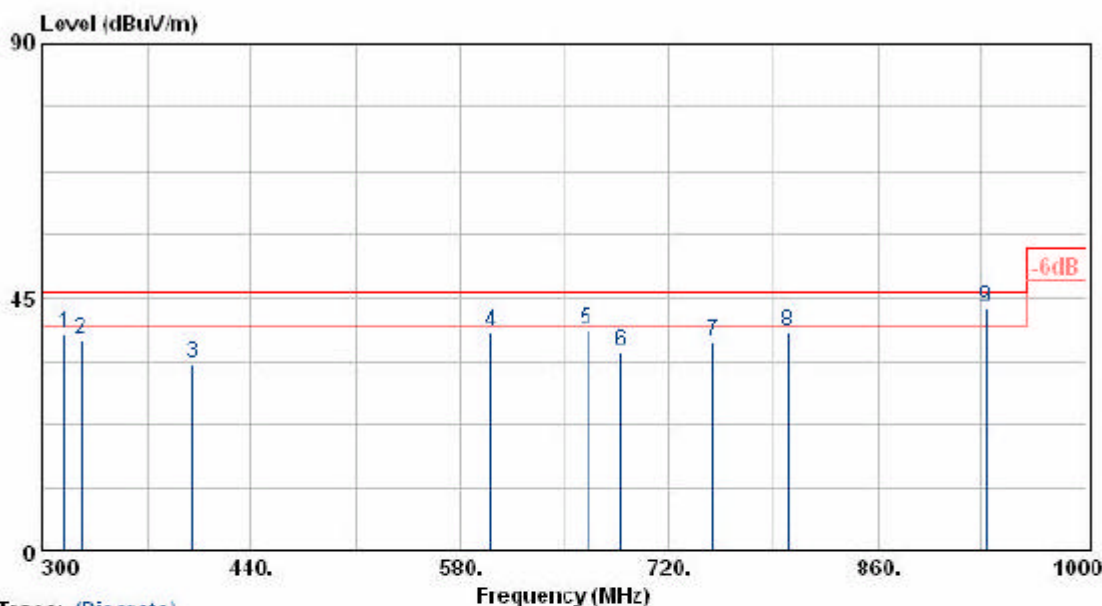


Frequency (MHz)	Meter Reading (dBuV)	Corrected Factor (dBuV/m)	Result (dBuV/m)	Limit (dB)	Margin (dB)	Remark	Table Deg.	Ant High (cm)
40.73	47.12	-9.62	37.50	40.00	-2.50	QP	360	200
48.15	50.55	-13.85	36.70	40.00	-3.30	QP	250	200
113.60	47.77	-17.12	30.65	43.50	-12.85	Peak	200	200
139.73	47.13	-14.47	32.66	43.50	-10.84	Peak	50	200
149.35	47.70	-14.40	33.30	43.50	-10.20	Peak	90	200
169.98	46.88	-16.74	30.14	43.50	-13.36	Peak	50	200
197.48	50.90	-17.02	33.88	43.50	-9.62	Peak	60	200
226.90	48.98	-16.24	32.74	46.00	-13.26	Peak	160	200
249.73	49.77	-13.22	36.55	46.00	-9.45	Peak	360	200
300.05	49.70	-11.10	38.60	46.00	-7.40	Peak	40	200

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

EUT	: Razor	Pol/Phase	: HORIZONTAL
Power	: 120V	Temperature	: 31 °C
Test Mode	: Transmit/Receive	Humidity	: 65 %
Operation Channel	: 64	Atmospheric Pressure	: 1016 mmHg
Modulation Type	: 002.11a		
Rate	: 6 Mbps		
Memo	: MFB49009 (9dBi)		



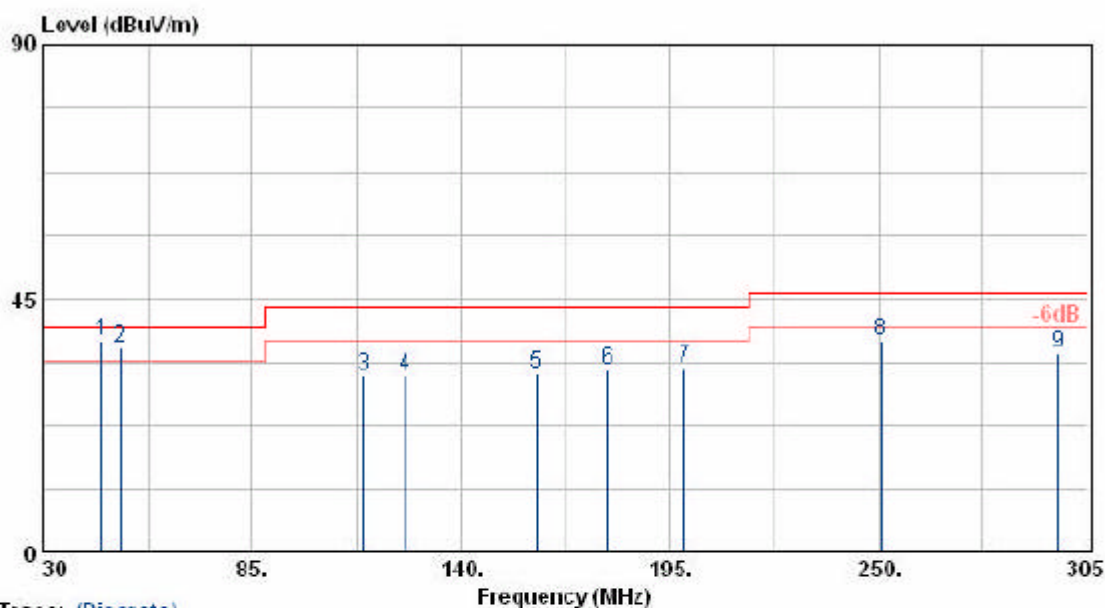
Trace: (Discrete)

Frequency (MHz)	Meter Reading (dBuV)	Corrected Factor (dBuV/m)	Result (dBuV/m)	Limit (dB)	Margin (dB)	Remark	Table Deg.	Ant High (cm)
315.40	49.55	-10.81	38.74	46.00	-7.26	Peak	96	400
325.90	48.32	-10.63	37.69	46.00	-8.31	Peak	96	400
400.10	42.03	-8.59	33.44	46.00	-12.56	Peak	120	400
600.30	43.20	-4.39	38.81	46.00	-7.19	Peak	200	400
665.40	42.77	-3.41	39.36	46.00	-6.64	Peak	150	400
687.80	38.43	-3.03	35.40	46.00	-10.60	Peak	200	400
749.40	38.27	-1.07	37.20	46.00	-8.80	Peak	100	400
799.80	39.76	-0.86	38.90	46.00	-7.10	Peak	80	400
932.80	40.72	2.39	43.11	46.00	-2.89	QP	96	400

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

EUT	: Razor	Pol/Phase	: VERTICAL
Power	: 120V	Temperature	: 31 °C
Test Mode	: Transmit/Receive	Humidity	: 65 %
Operation Channel	: 64	Atmospheric Pressure	: 1016 mmHg
Modulation Type	: 802.11a		
Rate	: 6 Mbps		
Memo	: MFB49009 (9dBi)		

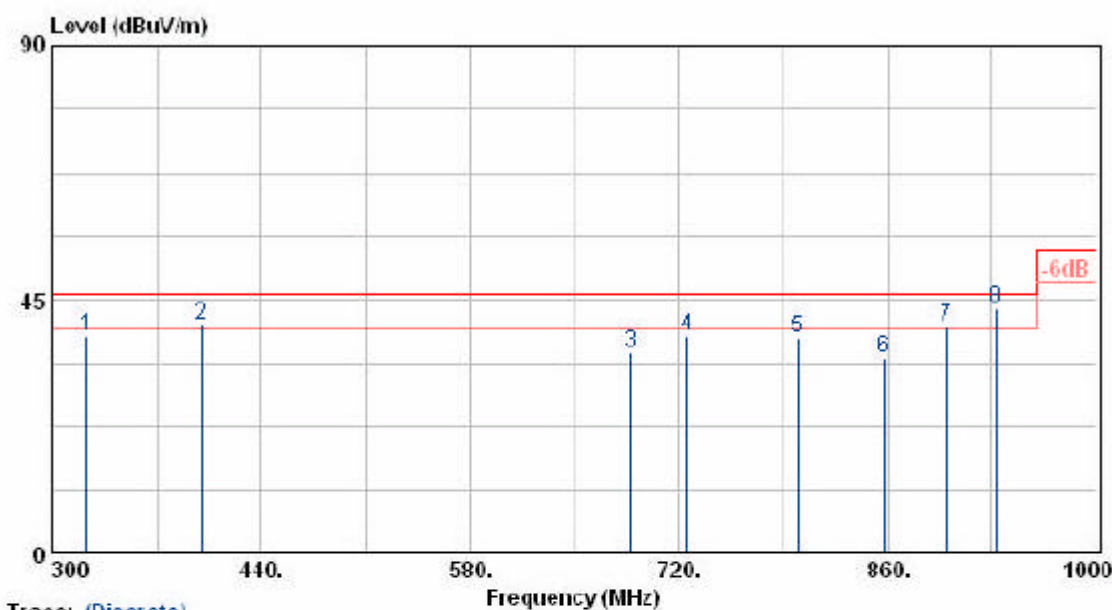


Frequency (MHz)	Meter Reading (dBuV)	Corrected Factor (dBuV/m)	Result (dBuV/m)	Limit (dB)	Margin (dB)	Remark	Table Deg.	Ant High (cm)
45.13	49.98	-12.48	37.50	40.00	-2.50	QP	360	100
50.35	51.40	-14.97	36.43	40.00	-3.57	QP	60	100
114.43	48.58	-17.08	31.50	43.50	-12.00	Peak	60	100
125.43	47.31	-15.87	31.44	43.50	-12.06	Peak	110	100
159.80	47.25	-15.65	31.60	43.50	-11.90	Peak	40	100
178.50	49.77	-17.30	32.47	43.50	-11.03	Peak	250	100
198.85	49.64	-17.02	32.62	43.50	-10.88	Peak	220	100
250.55	50.64	-13.13	37.51	46.00	-8.49	Peak	70	100
297.30	46.52	-11.11	35.41	46.00	-10.59	Peak	360	100

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

EUT	: Razor	Pol/Phase	: VERTICAL
Power	: 120V	Temperature	: 31 °C
Test Mode	: Transmit/Receive	Humidity	: 65 %
Operation Channel	: 64	Atmospheric Pressure	: 1016 mmHg
Modulation Type	: 002.11a		
Rate	: 6 Mbps		
Memo	: MFE49009(9dBi)		



Trace: (Discrete)

Frequency (MHz)	Meter Reading (dBuV)	Corrected Factor (dBuV/m)	Result (dBuV/m)	Limit (dB)	Margin (dB)	Remark	Table Deg.	Ant High (cm)
322.40	49.16	-10.66	38.50	46.00	-7.50	Peak	90	300
399.40	49.08	-8.61	40.47	46.00	-5.53	QP	350	300
687.80	38.68	-3.03	35.65	46.00	-10.35	Peak	60	300
724.90	40.65	-1.99	38.66	46.00	-7.34	Peak	290	300
799.80	39.19	-0.86	38.33	46.00	-7.67	Peak	90	300
857.90	34.08	0.46	34.54	46.00	-11.46	Peak	200	300
899.90	39.11	1.24	40.35	46.00	-5.65	QP	200	300
932.80	41.20	2.39	43.59	46.00	-2.41	QP	350	300

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

Emission frequencies 1~40 GHz

Test Mode: Normal, Channel 01, Transmit Rate:6 Mbps

Test Date: Jul. 12, 2005 Temperature: 28 Humidity: 70% Atmospheric pressure: 1022mmHg

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
10360	H	---	14.93	---	68.3	---	Peak	---	---
15540	H	---	16.44	---	54.0	---	Ave	---	---
20720	H	---	28.10	---	54.0	---	Ave	---	---
25900	H	---	31.67	---	68.3	---	Peak	---	---
4830	V	53.50	7.38	60.88	74.0	-13.12	Peak	320	1.0
4830	V	42.15	7.38	49.53	54.0	-4.47	Ave	320	1.0
10360	V	---	14.93	---	68.3	---	Peak	---	---
15540	V	---	16.44	---	54.0	---	Ave	---	---
20720	V	---	28.10	---	54.0	---	Ave	---	---
25900	V	---	31.67	---	68.3	---	Peak	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

Emission frequencies 1~40 GHz

Test Mode: Normal, Channel 04, Transmit Rate:6 Mbps

Test Date: Jul. 12, 2005 Temperature: 28 Humidity: 70% Atmospheric pressure: 1022mmHg

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
10480	H	---	15.27	---	68.3	---	Peak	---	---
15720	H	---	16.04	---	54.0	---	Ave	---	---
20960	H	---	28.67	---	54.0	---	Ave	---	---
26200	H	---	32.07	---	68.3	---	Peak	---	---
4830	V	53.42	7.38	60.80	74.0	-13.20	Peak	320	1.0
4830	V	42.20	7.38	49.58	54.0	-4.42	Ave	320	1.0
10480	V	---	15.27	---	68.3	---	Peak	---	---
15720	V	---	16.04	---	54.0	---	Ave	---	---
20960	V	---	28.67	---	54.0	---	Ave	---	---
26200	V	---	32.07	---	68.3	---	Peak	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

Emission frequencies 1~40 GHz

Test Mode: Normal, Channel 05, Transmit Rate:6 Mbps

Test Date: Jul. 12, 2005 Temperature: 28 Humidity: 70% Atmospheric pressure: 1022mmHg

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
10520	H	---	15.33	---	68.3	---	Peak	---	---
15780	H	---	15.91	---	54.0	---	Ave	---	---
21040	H	---	28.90	---	54.0	---	Ave	---	---
26300	H	---	32.23	---	68.3	---	Peak	---	---
4830	V	53.52	7.38	60.90	74.0	-13.10	Peak	320	1.0
4830	V	42.29	7.38	49.67	54.0	-4.33	Ave	320	1.0
10520	V	---	15.33	---	68.3	---	Peak	---	---
15780	V	---	15.91	---	54.0	---	Ave	---	---
21040	V	---	28.90	---	54.0	---	Ave	---	---
26300	V	---	32.23	---	68.3	---	Peak	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

Emission frequencies 1~40 GHz

Test Mode: Normal, Channel 8, Transmit Rate:6 Mbps

Test Date: Jul. 12, 2005 Temperature: 28 Humidity: 70% Atmospheric pressure: 1022mmHg

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result@3m (dBuV/m)	Limit@3m (dBuV/m)	Margin (dB)	Remark	Table Deg.	Ant High (m)
10640	H	---	15.36	---	54.0	---	Ave	---	---
15960	H	---	15.41	---	54.0	---	Ave	---	---
21280	H	---	29.75	---	54.0	---	Ave	---	---
26600	H	---	32.52	---	68.3	---	Peak	---	---
4830	V	53.49	7.38	60.87	74.0	-13.13	Peak	320	1.0
4830	V	42.30	7.38	49.68	54.0	-4.32	Ave	320	1.0
10640	V	---	15.36	---	54.0	---	Ave	---	---
15960	V	---	15.41	---	54.0	---	Ave	---	---
21280	V	---	29.75	---	54.0	---	Ave	---	---
26600	V	---	32.52	---	68.3	---	Peak	---	---

Notes:

1. Result = Meter Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120 kHz and video bandwidth is 300 kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too below to be measured.

Test Photographs

Antenna type 1: external omni antenna (Model:HG5812)

Front View



Rear View



Antenna type 2:external panel antenna (Model: MA0528-19AN)

Front View



Rear View



Antenna type 3:external sector antenna (Model: WISP4959018MBV)

Front View



Rear View



Antenna type 4:external omni antenna (Model: R380-700.205)

Front View



Rear View



Antenna type 5:external omni antenna (Model: MFB51510)

Front View



Rear View



Antenna type 6:external omni antenna (Model: MFB49009)

Front View



Rear View

