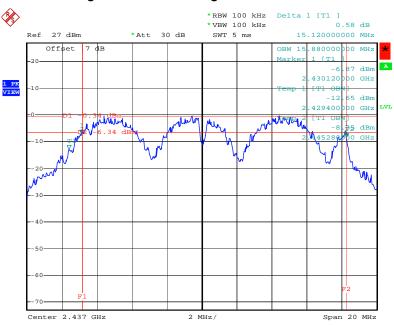


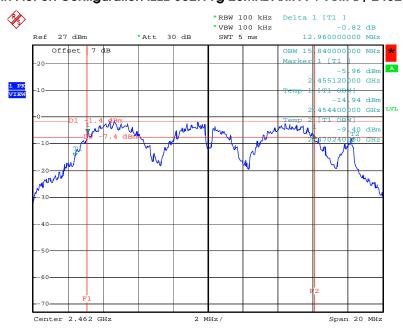


6 dB Bandwidth Plot on Configuration IEEE 802.11g 20MHz Ant. A + Ant. B / 2437 MHz



Date: 3.OCT.2006 08:28:15

6 dB Bandwidth Plot on Configuration IEEE 802.11g 20MHz Ant. A + Ant. B / 2462 MHz



Date: 3.OCT.2006 08:31:03

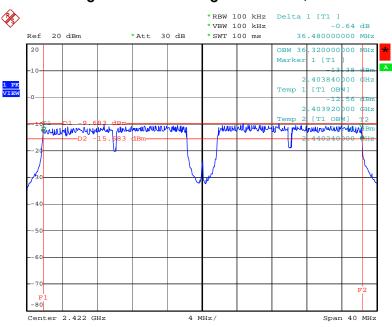
 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 48 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006



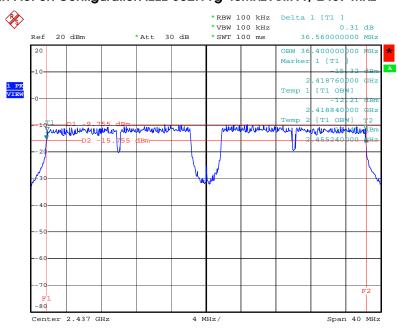


6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A / 2422 MHz



Date: 3.OCT.2006 09:29:39

6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A / 2437 MHz



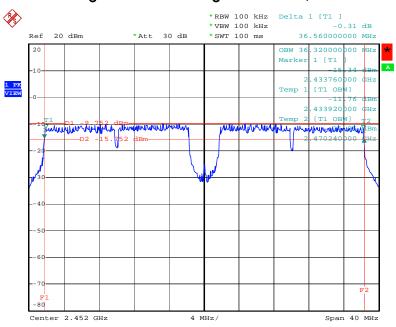
Date: 3.OCT.2006 09:30:53

Report Format Version: RF-15.247-2006-6-16-e Page No. : 49 of 145 FCC ID: FDI-09102030-0 Issued Date : Oct. 19,2006



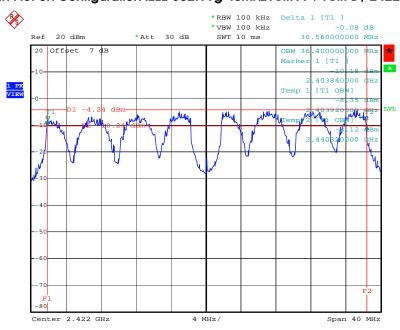


6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A / 2452 MHz



Date: 3.OCT.2006 09:31:46

6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A + Ant. B / 2422 MHz



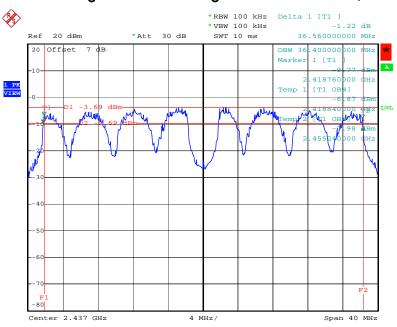
Date: 3.OCT.2006 07:44:58

Report Format Version: RF-15.247-2006-6-16-e Page No. : 50 of 145 FCC ID: FDI-09102030-0 Issued Date : Oct. 19,2006



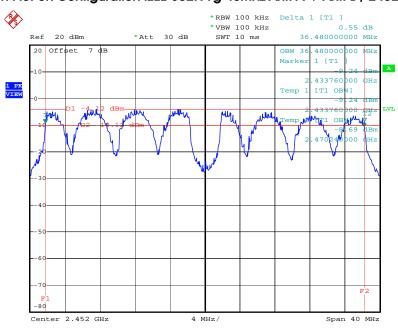


6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A + Ant. B / 2437 MHz



Date: 3.OCT.2006 07:48:43

6 dB Bandwidth Plot on Configuration IEEE 802.11g 40MHz Ant. A + Ant. B / 2452 MHz



Date: 3.OCT.2006 07:49:48

Report Format Version: RF-15.247-2006-6-16-e Page No. : 51 of 145
FCC ID: FDI-09102030-0 Issued Date : Oct. 19,2006

4.5. Radiated Emissions Measurement

4.5.1. Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.5.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	100KHz / 100KHz for peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 52 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006

4.5.3. Test Procedures

Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8
meter above ground. The phase center of the receiving antenna mounted on the top of a
height-variable antenna tower was placed 3 meters far away from the turntable.

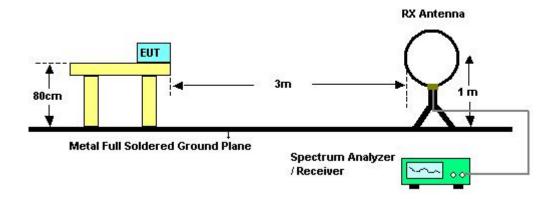
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 53 of 145

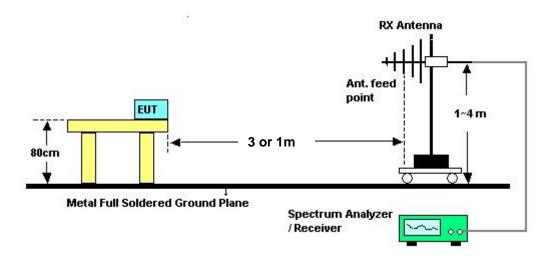
 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006

4.5.4. Test Setup Layout

For radiated emissions below 30MHz



For radiated emissions above 30MHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

Distance extrapolation factor = 20 log (specific distanc [3m] / test distance [1m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [9.54 dB].

4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 54 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006



4.5.7. Results of Radiated Emissions (9kHz~30MHz)

Temperature	23℃	Humidity	60%
Toot Engineer	lordan Usias	Configurations	802.11g Ch 6 40MHz Ant. A + Ant. B /
Test Engineer	Jordan Hsiao	Configurations	USB Cable 2

Freq.	Level	Over Limit	Limit Line	Remark
(MHz)	(dBuV)	(dB)	(dBuV)	
-	-	-	-	See Note

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 55 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006

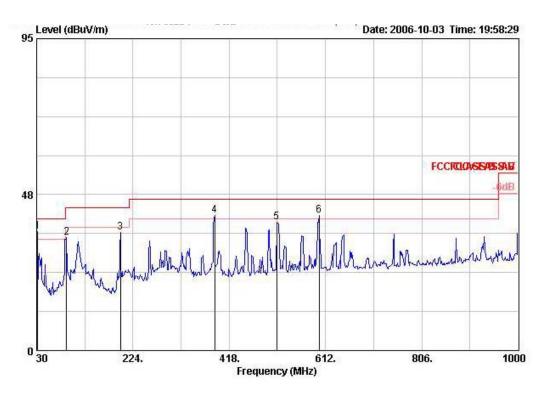




4.5.8. Results of Radiated Emissions (30MHz~1GHz)

Temperature	23℃	Humidity	60%		
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Ch 6 Ant. A /		
lesi Engineei	Joidan Hsido	Coringulations	USB Cable 1		

Vertical

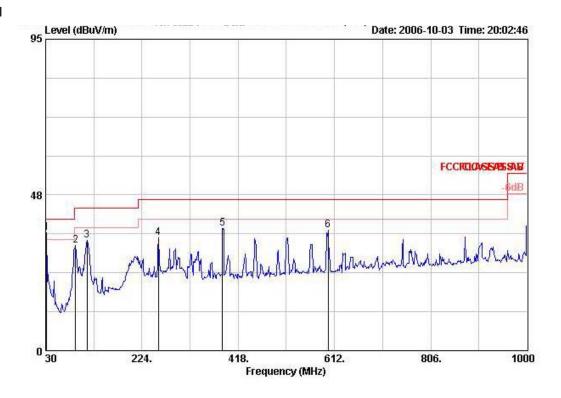


	Freq	Level	Over Limit		Read Level		Preamp Factor	Remark	Ant Pos		Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB			deg	dB/m
1 @	31.940	36.31	-3.69	40.00	48.39	0.93	31.67	Peak			18.66
2 @	90.140	34.38	-9.12	43.50	55.09	1.43	31.55	Peak			9.40
3 @	198.780	35.97	-7.53	43.50	55.28	2.00	31.45	Peak			10.14
4 @	388.900	41.06	-4.94	46.00	53.17	2.63	31.08	Peak	200		16.34
5 @	514.030	39.00	-7.00	46.00	48.44	3.27	30.89	Peak			18.17
6 @	599.390	41.21	-4.79	46.00	49.76	3.10	30.75	Peak			19.10

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 56 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006





				Over	Limit	Read	Cable	Preamp		Ant	Table	Antenna
		Freq	Level	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos	Factor
	-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm.	deg	dB/m
1 @		31.940	36.08	-3.92	40.00	48.16	0.93	31.67	Peak	+++		18.66
2 @		90.140	32.18	-11.32	43.50	52.90	1.43	31.55	Peak			9.40
3 @		113.420	33.64	-9.86	43.50	51.04	1.50	31.74	Peak			12.84
4 @		256.980	34.51	-11.49	46.00	49.73	2.46	31.35	Peak	222		13.67
5 @		385.990	37.40	-8.60	46.00	49.60	2.62	31.09	Peak	+		16.27
6 @		599.390	36.71	-9.29	46.00	45.26	3.10	30.75	Peak	***		19.10

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = $20 \log Emission$ level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

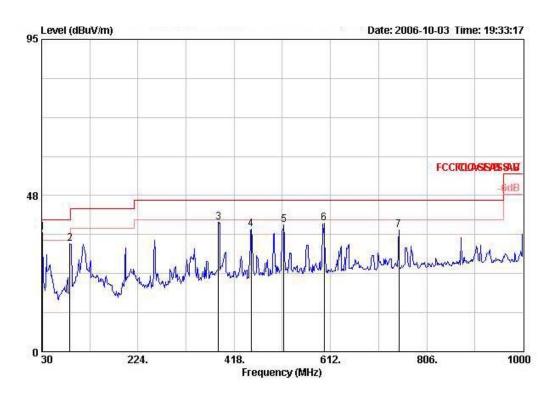
 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 57 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006



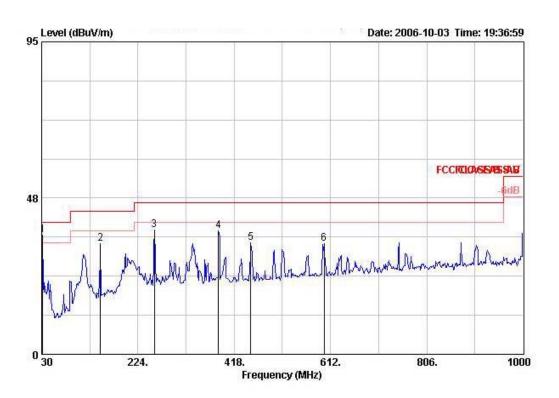


Temperature	23℃	Humidity	60%		
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Ch 6 Ant. A /		
Test Engineer	Joiddil Hsido	Cornigurations	USB Cable 2		



			Over	Limit	Read	Cable	Preamp		Ant	Table	Antenna
	Freq	Level	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos	Factor
	MHz	dBuV/m	ф	dBuV/m	dBuV	dB	dB		- — cm	deg	dB/m
1 @	31.940	36.24	-3.76	40.00	48.32	0.93	31.67	Peak			18.66
2 @	87.230	32.80	-7.20	40.00	54.11	1.45	31.63	Peak	555		8.86
3 @	385.990	39.32	-6.68	46.00	51.52	2.62	31.09	Peak			16.27
4 @	451.950	37.34	-8.66	46.00	48.12	2.92	30.92	Peak			17.23
5 @	517.910	38.56	-7.44	46.00	47.91	3.26	30.87	Peak			18.25
6 @	599.390	38.97	-7.03	46.00	47.53	3.10	30.75	Peak	555		19.10
7 @	749.740	36.95	-9.05	46.00	43.02	3.90	30.27	Peak			20.30





			Over	Limit	Read	Cable	Preamp		Ant	Table	Antenna
	Fre	q Level	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos	Factor
	10	z dBuV/m	dB	dBuV/m	dBuV	dВ	dB	-	- — cm	deg	dB/m
1 @	31.94	0 36.16	-3.84	40.00	48.24	0.93	31.67	Peak			18.66
2 @	148.34	0 33.65	-9.85	43.50	52.05	1.83	31.54	Peak			11.31
3 @	256.98	0 37.72	-8.28	46.00	52.94	2.46	31.35	Peak			13.67
4 @	385.99	0 37.64	-8.36	46.00	49.84	2.62	31.09	Peak			16.27
5 @	450.98	0 33.80	-12.20	46.00	44.59	2.92	30.92	Peak			17.21
6 @	599.39	0 33.53	-12.47	46.00	42.08	3.10	30.75	Peak	555		19.10

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = $20 \log Emission$ level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 59 of 145

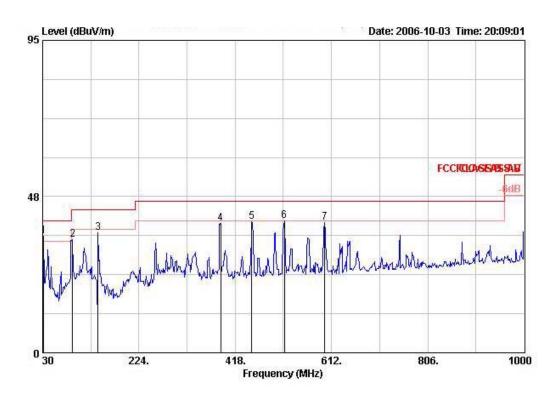
 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006



: 60 of 145

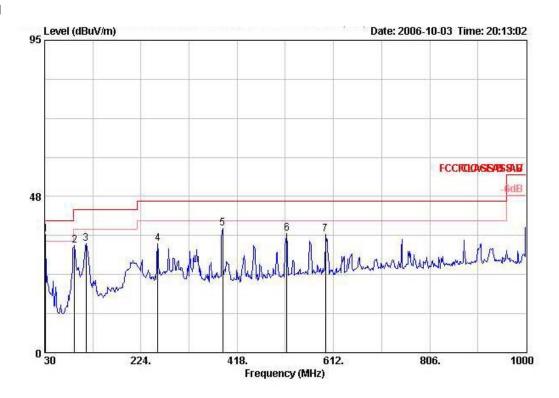


Temperature	23℃	Humidity	60%
Toot Engineer	lordan Usias	Configurations	802.11g 40MHz Ch 6 Ant. A+ Ant. B /
Test Engineer	Jordan Hsiao	Configurations	USB Cable 1



	Freq	Level	Over Limit	Limit Line	Read Level		Preamp Factor	Remark	Ant Pos		Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	-	cm	deg	dB/m
10	31.940	35.59	-4.41	40.00	47.67	0.93	31.67	Peak	2002	111	18.66
2 @	90.140	34.39	-9.11	43.50	55.11	1.43	31.55	Peak			9.40
3 @	141.550	36.42	-7.08	43.50	54.59	1.70	31.56	Peak			11.69
4 0	388.900	39.36	-6.64	46.00	51.46	2.63	31.08	Peak			16.34
5 @	450.980	39.95	-6.05	46.00	50.75	2.92	30.92	Peak	200		17.21
6 @	516.940	40.11	-5.89	46.00	49.49	3.27	30.88	Peak			18.23
7 @	598.420	39.73	-6.27	46.00	48.29	3.10	30.75	Peak			19.09





		Over	Limit	Read	Cable	Preamp		Ant	Table	Antenna
F	req Level	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos	Factor
	MHz dBuV/1	n dB	dBuV/m	dBuV	dВ	dB	e s		deg	dB/m
1 @ 31.	940 36.0	-3.93	40.00	48.15	0.93	31.67	Peak	200		18.66
2 @ 90.	140 32.55	-10.91	43.50	53.31	1.43	31.55	Peak	222	222	9.40
3 @ 113.	420 33.04	-10.46	43.50	50.45	1.50	31.74	Peak			12.84
4 @ 257.	950 33.10	-12.84	46.00	48.24	2.48	31.35	Peak			13.78
5 @ 388.	900 37.78	8 -8.22	46.00	49.88	2.63	31.08	Peak			16.34
6 @ 517.	910 36.24	-9.76	46.00	45.59	3.26	30.87	Peak		222	18.25
7 @ 595.	510 35.99	-10.05	46.00	44.51	3.11	30.75	Peak			19.08

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

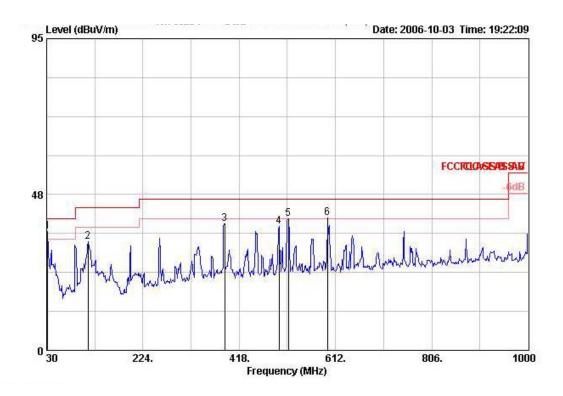
Emission level (dBuV/m) = $20 \log Emission$ level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.





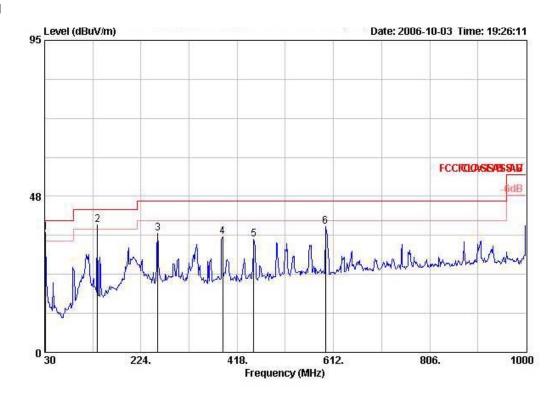
Temperature	23℃	Humidity	60%
Test Engineer	Jordan Hsiao	Configurations	802.11g 40MHz Ch 6 Ant. A+ Ant. B /
Test Engineer	Joidan Hsido	Configurations	USB Cable 2



			Over	Limit	Read	Cable	Preamp		Ant	Table	intenna	
	Freq	Level	Limit	Line	Level	Loss	Factor	Remark Po	Pos	Pos	Factor	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	2.5		deg	dB/m	
1 @	31.940	36.23	-3.77	40.00	48.31	0.93	31.67	Peak	200	222	18.66	
2 @	113.420	33.21	-10.29	43.50	50.62	1.50	31.74	Peak		222	12.84	
3 @	388.900	38.70	-7.30	46.00	50.80	2.63	31.08	Peak			16.34	
4 @	498.510	37.74	-8.26	46.00	47.52	3.28	30.94	Peak			17.87	
5 @	516.940	40.21	-5.79	46.00	49.59	3.27	30.88	Peak			18.23	
6 @	595.510	40.26	-5.74	46.00	48.82	3.11	30.75	Peak		222	19.08	

FCC ID: FDI-09102030-0





	Fre	q Level	Over Limit		Read Level		Preamp Factor	Remark	Ant Pos		Antenna Factor
	10	z dBuV/m	dB	dBuV/m	dBuV	dB	dB	-	cm	deg	dB/m
10	31.94	0 36.38	-3.62	40.00	48.46	0.93	31.67	Peak	1000	111	18.66
2 @	136.70	0 38.79	-4.71	43.50	56.68	1.70	31.60	Peak			12.01
3 @	257.95	0 36.26	-9.74	46.00	51.34	2.48	31.35	Peak			13.78
4 @	388.90	0 35.25	-10.75	46.00	47.35	2.63	31.08	Peak			16.34
5 @	450.98	0 34.49	-11.51	46.00	45.28	2.92	30.92	Peak			17.21
6 @	595.53	.0 38.40	-7.60	46.00	46.96	3.11	30.75	Peak			19.08

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = $20 \log Emission$ level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 63 of 145

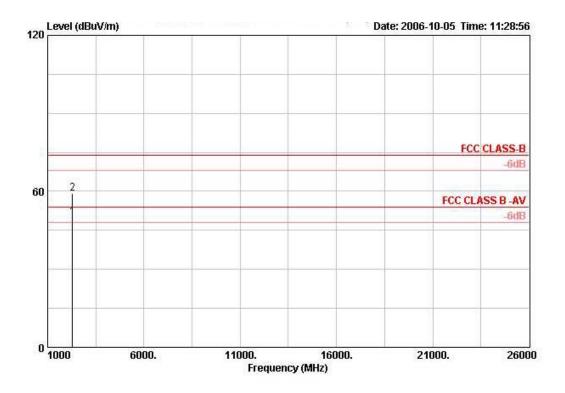
 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006



4.5.9. Results for Radiated Emissions (1GHz \sim 10th Harmonic)

Temperature	23 ℃	Humidity	60%
Test Engineer	lordan Usias	Configurations	802.11b 20MHz Channel 1 Ant. A /
	Jordan Hsiao	Configurations	USB Cable 2

Vertical



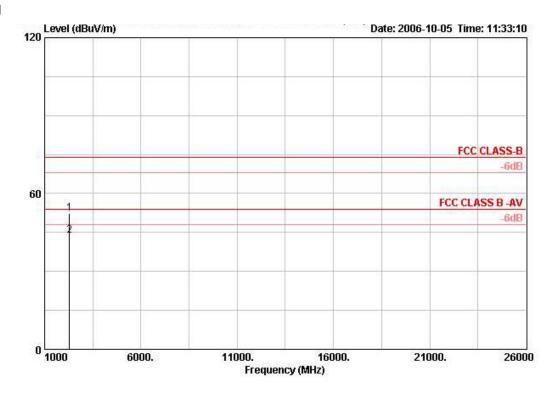
	Freq	Level	Over Limit	Limit Line			Preamp Factor		Ant Pos		Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	B dB	12	- cm	deg	dB/m
10	2280.070	49.96	-4.04	54.00	54.40	2.69	35.04	AVERAGE	100	5	27.91
2 @	2280.160	59.21	-14.79	74.00	63.65	2.69	35.04	PEAK	100	5	27.91

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 64 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006





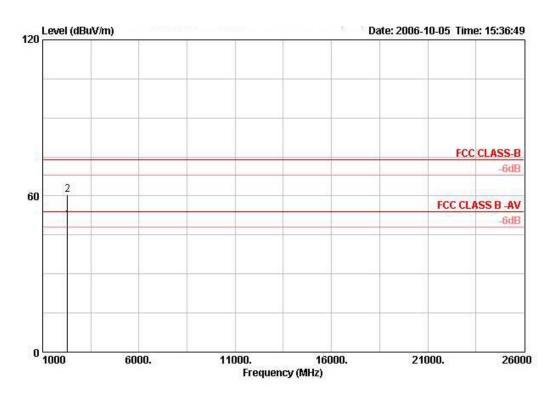


	Freq	Level	Over Limit	Limit Line			Preamp Factor		Ant Pos	100000000000000000000000000000000000000	intenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	- dB	dB	-		deg	dB/m
1 @	2279.960	52.36	-21.64	74.00	56.81	2.69	35.04	PEAK	100	167	27.91
2 @	2280.050	43.78	-10.22	54.00	48.22	2.69	35.04	AVERAGE	100	167	27.91





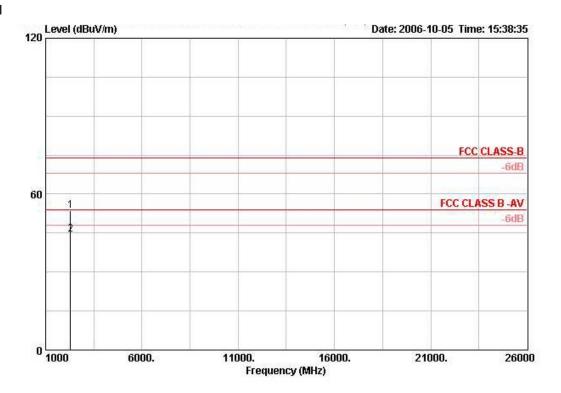
Temperature	23 ℃	Humidity	60%
Test Engineer	lordan Usida	Configurations	802.11b 20MHz Channel 6 Ant. A /
lesi Engineei	Jordan Hsiao	Configurations	USB Cable 2



	Freq	Level	Over Limit	Limit Line			Preamp Factor		Ant Pos		Antenna Factor
	MHz	dBuV/m	V/m dB	dBuV/m	dBuV	dB	dB dB	3	- cm	deg	dB/m
10	2280.050	50.78	-3.22	54.00	55.22	2.69	35.04	AVERAGE	100	6	27.91
2 @	2280.510	60.61	-13.39	74 00	65.06	2.69	35.04	PERK	100	6	27.91







	Freq	Level	Over Limit	Limit Line			Preamp Factor		Ant Pos	10 ALC: 10	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB dB	1	cm.	deg	dB/m
1 @	2279.840	53.69	-20.31	74.00	58.14	2.69	35.04	PEAK	100	161	27.91
2 (9	2280.010	44.60	-9.40	54.00	49.04	2.69	35.04	AVERAGE	100	161	27.91

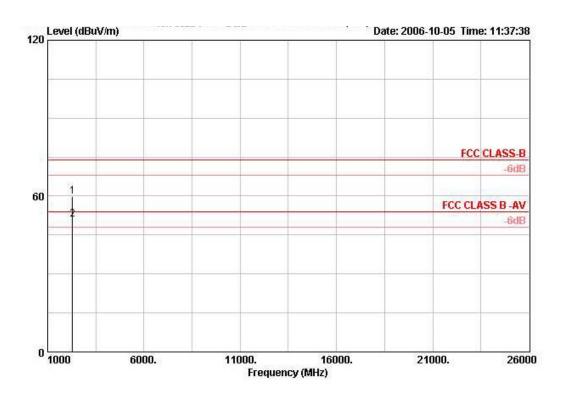
 Report Format Version: RF-15.247-2006-6-16-e
 Pag

 FCC ID: FDI-09102030-0
 Issue





Temperature	23 ℃	Humidity	60%					
Test Engineer	lordan Usiao	Configurations	802.11b 20MHz Channel 11 Ant. A /					
Test Engineer	Jordan Hsiao	Configurations	USB Cable 2					



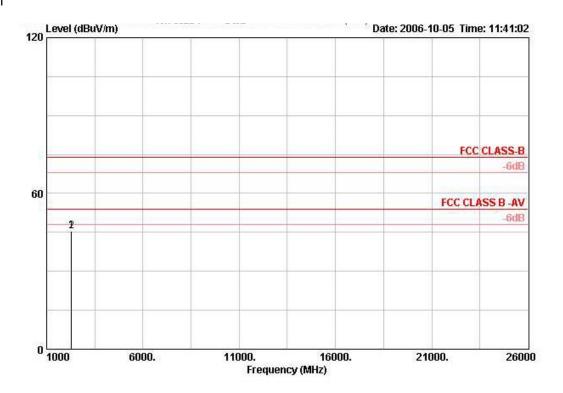
	Freq	Level	Over Limit	Limit Line	Read Level				Ant Pos	10 mg	Antenna Factor
	Mtz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	-	- cm	deg	dB/m
1 @	2279.840	59.82	-14.18	74.00	64.26	2.69	35.04	PEAK	100	5	27.91
2 @	2280.050	51.11	-2.89	54.00	55.55	2.69	35.04	AVERAGE	100	5	27.91

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 68 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006







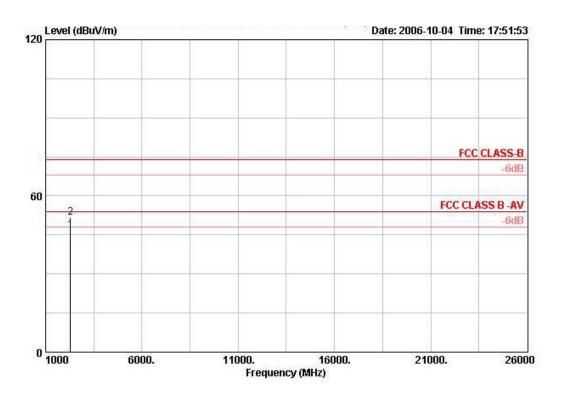
	Freq	Level	Over Limit	Limit Line			Preamp Factor		Ant Pos	10 ALC: 10	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	- дв	dB dB	3	- cm	deg	dB/m
1	2279.970	45.61	-28.39	74.00	50.05	2.69	35.04	PEAK	100	167	27.91
2 @	2280.080	45.52	-8.48	54.00	49.96	2.69	35.04	AVERAGE	100	167	27.91

: 69 of 145 Page No. FCC ID: FDI-09102030-0 Issued Date : Oct. 19,2006





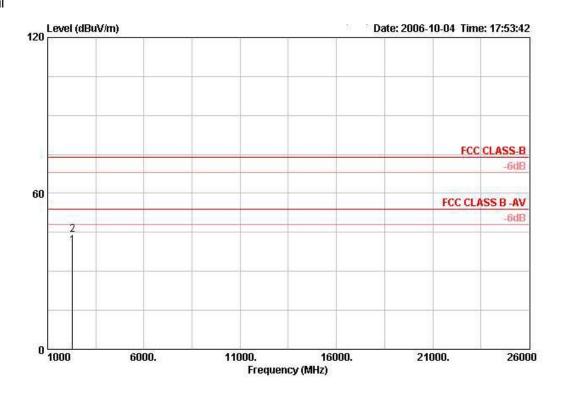
Temperature	23℃	Humidity	60%
Toot Engineer	lordan Usian	Configurations	802.11b 20MHz Channel 1 Ant. A + Ant. B /
Test Engineer	Jordan Hsiao	Configurations	USB Cable 2



	Freq	Level		Limit Line					Ant Pos		Intenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dВ	dB	7	cm	deg	dB/m
1 @	2280.080	46.62	-7.38	54.00	51.07	2.69	35.04	AVERAGE	100	214	27.91
2 @	2280.300	51.75	-22.25	74.00	56.19	2.69	35.04	PEAK	100	214	27.91





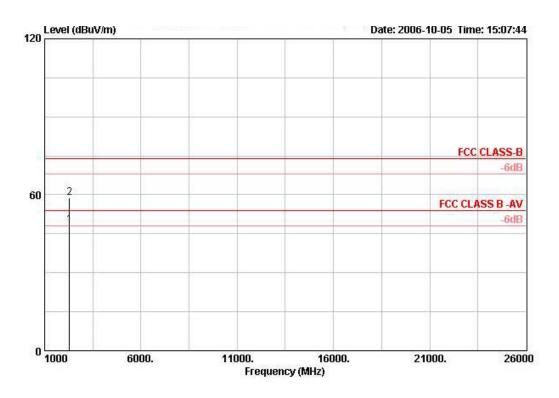


	Freq	Level	(E) FACE (F) (F)	Limit Line	Read Level		Preamp Factor	Remark	Ant Pos	777	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dВ	88		deg	dB/m
1 @	2280.040	40.02	-13.98	54.00	44.46	2.69	35.04	AVERAGE	100	272	27.91
2	2280.140	44.00	-30.00	74.00	48.44	2.69	35.04	PEAK	100	272	27.91





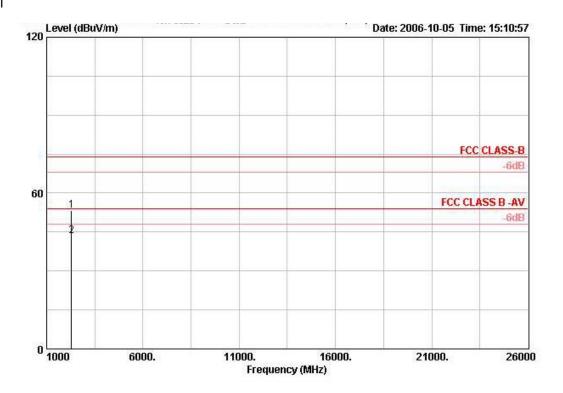
Temperature	23℃	Humidity	60%		
Test Engineer	Jordan Hsiao	Configurations	802.11b 20MHz Channel 6 Ant. A + Ant. B /		
	Jordan Hsido	Configurations	USB Cable 2		



	Freq	Level	50 00 00 00 00 00 00 00 00 00 00 00 00 0	Limit Line	0.00		Preamp Factor		Ant Pos	339	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	- дв			deg	dB/m
10	2280.020	48.31	-5.69	54.00	52.76	2.69	35.04	AVERAGE	121	252	27.91
2 @	2280.340	58.77	-15.23	74.00	63.22	2.69	35.04	PEAK	121	252	27.91







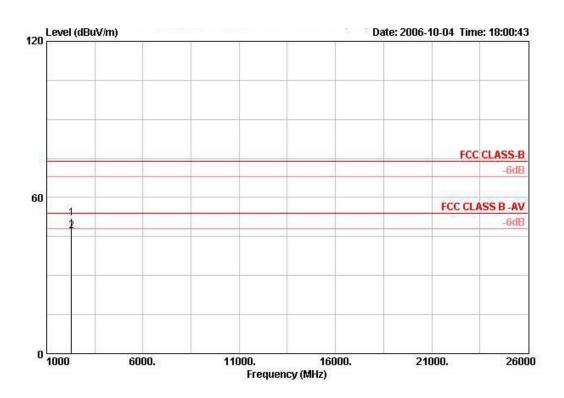
	Freq	Level		Limit Line				Remark	Ant T Pos		Antenna Factor
	Mz	dBuV/m	dB	dBuV/m	dBuV	dВ	dB			deg	dB/m
1 @	2279.840	53.16	-20.84	74.00	57.61	2.69	35.04	PEAK	100	159	27.91
2 @	2280.020	43.51	-10.49	54.00	47.96	2.69	35.04	AVERAGE	100	159	27.91

: 73 of 145 Page No. FCC ID: FDI-09102030-0 Issued Date : Oct. 19,2006





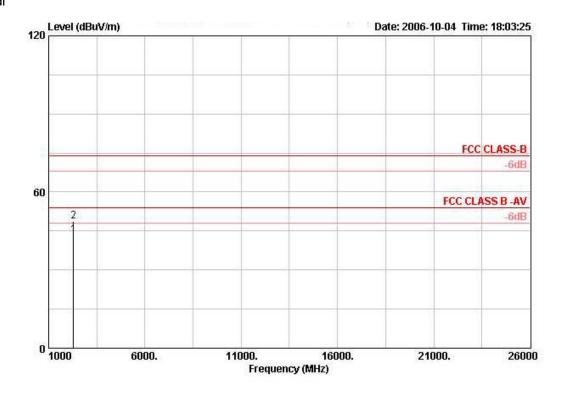
Temperature	23 ℃	Humidity	60%
Toot Engineer	lordan Heido	Configurations	802.11b 20MHz Channel 11 Ant. A + Ant. B /
Test Engineer	Jordan Hsiao	Configurations	USB Cable 2



	Freq	Level	50 SQUEEZS	Limit Line	0.0		Preamp Factor	Remark	Ant Pos	33	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	7		deg	dB/m
10	2279.640	51.91	-22.09	74.00	56.36	2.69	35.04	PEAK	100	214	27.91
2 @	2280.040	47.21	-6.79	54.00	51.66	2.69	35.04	AVERAGE	100	214	27.91







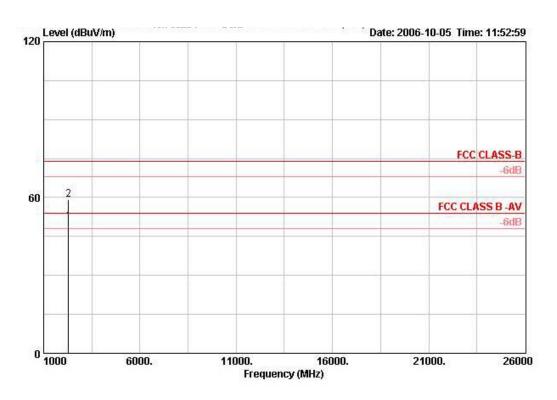
	Freq	Level	50.000.000.000	Limit Line			Preamp Factor		Ant Pos	89.	Antenna Factor
	MHz	dBuV/m	qB	dBuV/m	dBuV	dВ	dВ		cm	deg	dB/m
1 @	2280.080	43.49	-10.51	54.00	47.94	2.69	35.04	AVERAGE	100	189	27.91
2 @	2280.280	48.86	-25.14	74.00	53.31	2.69	35.04	PEAK	100	189	27.91

: 75 of 145 Page No. FCC ID: FDI-09102030-0 Issued Date : Oct. 19,2006





Temperature	23℃	Humidity	60%			
Tost Engineer	Jordan Hsiao	Configurations	802.11b 40MHz Channel 3(Upper) Ant. A /			
Test Engineer	Joidan Hsido	Configurations	USB Cable 2			



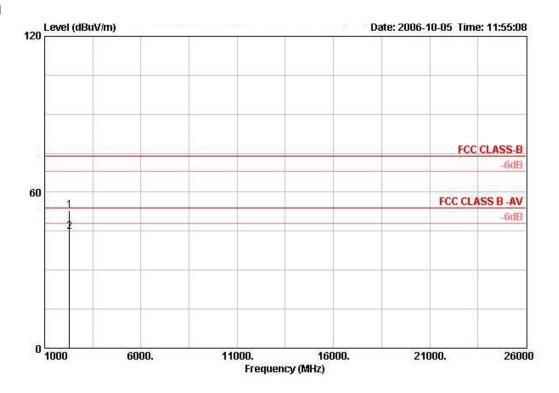
	Freq			Over Limit B Limit Line Le		Cable Preamp Loss Factor			Ant Pos	TableAntenna Pos Factor	
	МН	dBuV/m	/m dB	dBuV/m	dBuV	dB	dB			deg	dB/m
10	2280.030	50.72	-3.28	54.00	55.16	2.69	35.04	AVERAGE	100	5	27.91
2 @	2280.300	59.11	-14.89	74.00	63.56	2.69	35.04	PEAK	100	5	27.91

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 76 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006





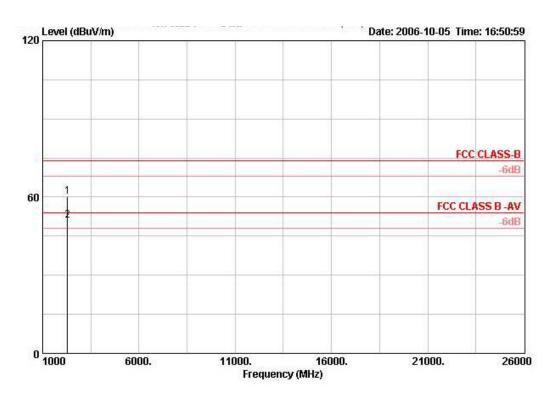


			Over	Limit	Read	Cable	Preamp		Ant	Table	Antenna
		Level	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos	Factor
		dBuV/m	uV/m dB	dBuV/m	dBuV	dB	dB	-	cm	deg	dB/m
10	2279.880	53.01	-20.99	74.00	57.46	2.69	35.04	PEAK	100	169	27.91
2 @	2280.050	44.83	-9.17	54.00	49.28	2.69	35.04	AVERAGE	100	169	27.91





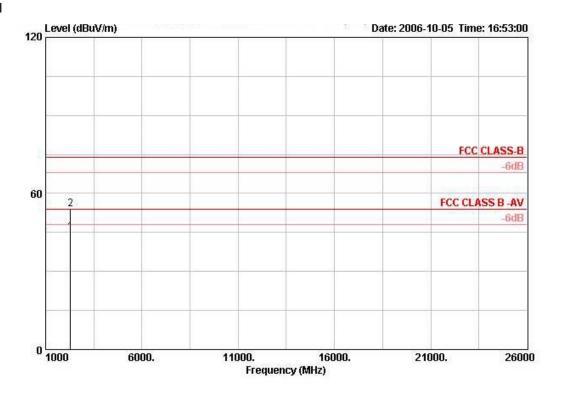
Temperature	23℃	Humidity	60%			
Toot Engineer	lordan Usias	Configurations	802.11b 40MHz Channel 6(Lower) Ant. A /			
lesi Engineei	t Engineer Jordan Hsiao Configurations	Cornigurations	USB Cable 2			



		Ove Freq Level Limi	Over Limit				Preamp Factor		Ant Pos		Antenna Factor
		MHz dBuV/m dB	dBuV/m dBuV	dB	dB			deg	dB/m		
1 @	2279.820	60.20	-13.80	74.00	64.65	2.69	35.04	PEAK	150	12	27.91
2 @	2280.040	51.04	-2.96	54.00	55.49	2.69	35.04	AVERAGE	150	12	27.91







Freq	Level		Limit Line					Ant Pos		Antenna Factor
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
2280.000	45.02	-8.98	54.00	49.47	2.69	35.04	AVERAGE	100	176	27.91
2280.020	54.02	-19.98	74.00	58.47	2.69	35.04	PEAK	100	176	27.91

Report Format Version: RF-15.247-2006-6-16-e

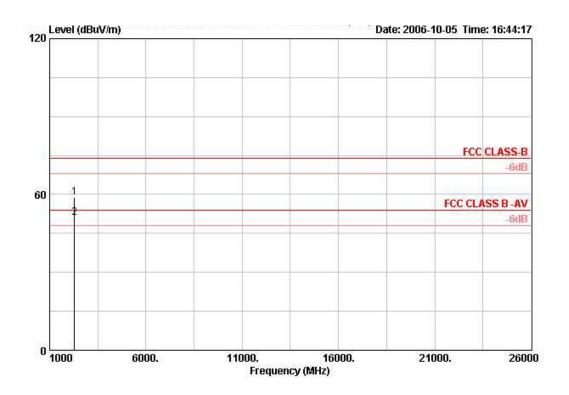
1 @ 2 @

: 79 of 145 Page No. FCC ID: FDI-09102030-0 Issued Date : Oct. 19,2006





Temperature	23℃	Humidity	60%			
Test Engineer	Jordan Heigo	Configurations	802.11b 40MHz Channel 6(Upper) Ant. A /			
	Jordan Hsiao	Configurations	USB Cable 2			



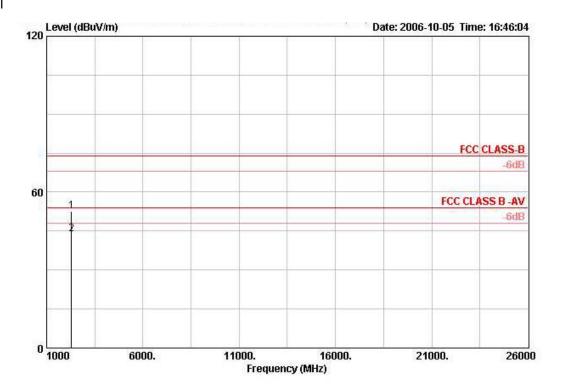
	Freq Level	Over Limit		Read Level				Ant Pos	No. 1442 (1975)	Antenna Factor	
	Mtz	dBuV/m	BuV/m dB	dBuV/m	dBuV	dB	dB	2		deg	dB/m
10	2279.860	58.92	-15.08	74.00	63.36	2.69	35.04	PEAK	149	12	27.91
2 @	2280.040	51.03	-2.97	54.00	55.47	2.69	35.04	AVERAGE	149	12	27.91



: 81 of 145



Horizontal

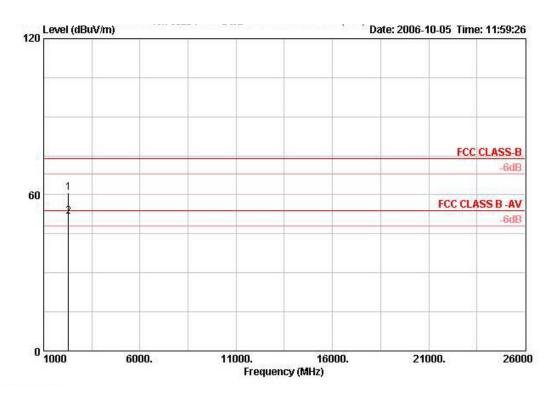


	Freq	Level	Over Limit	Limit Line			Preamp Factor		Ant Pos	No. 1442 (1975)	Antenna Factor
	MHz	MHz dBuV/m di	dВ	dBuV/m	dBuV	dВ	dB	В	- cm	deg	dB/m
10	2279.520	52.52	-21.48	74.00	56.97	2.69	35.04	PEAK	100	174	27.91
2 @	2280.020	43.87	-10.13	54.00	48.32	2.69	35.04	AVERAGE	100	174	27.91





Temperature	23℃	Humidity	60%				
Test Engineer	Jordan Heige	802.11b 40MHz Channel					
Test Engineer	Jordan Hsiao	Configurations	USB Cable 2				

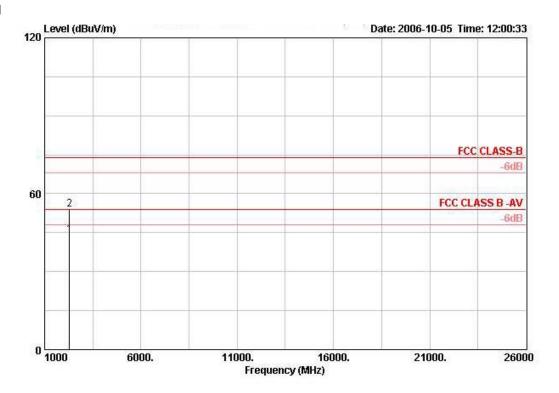


	-	Level	Over Limit	Limit Line			Preamp Factor	Remark	Ant Pos		Antenna Factor
		MKz dBuV/m dB	dBuV/m	dBuV	dВ	dB	dB		deg	dB/m	
1 @	2280.070	60.73	-13.27	74.00	65.18	2.69	35.04	PEAK	148	5	27.91
2 @	2280.090	51.70	-2.30	54.00	56.14	2.69	35.04	AVERAGE	148	5	27.91

FCC ID: FDI-09102030-0







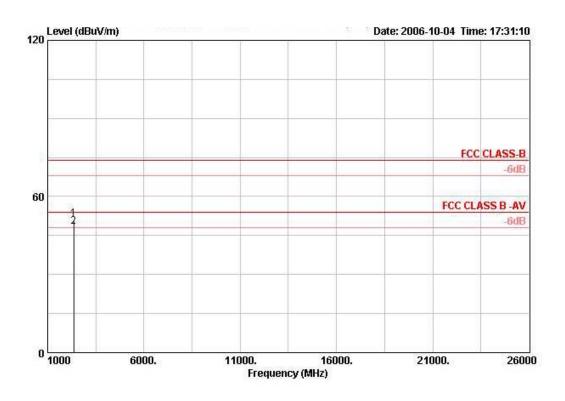
	-	Level	Over Limit	Limit Line					Ant Pos		Antenna Factor
		MHz dBuV/m	dB	dBuV/m	dBuV	dB	dB			deg	dB/m
. @	2280.010	44.29	-9.71	54.00	48.73	2.69	35.04	AVERAGE	100	167	27.91
a	2280.080	53.89	-20 11	74 00	58.33	2.69	35.04	PEAK	100	167	27 91

Report Format Version: RF-15.247-2006-6-16-e FCC ID: FDI-09102030-0





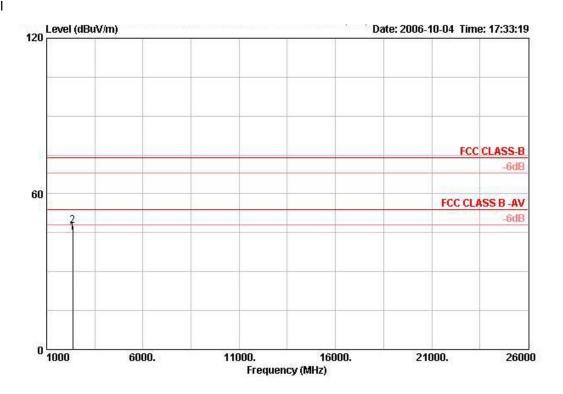
Temperature	23 ℃	Humidity	60%				
Test Engineer	lordan Usida	Configurations	802.11b 40MHz Channel 3(Upper) Ant. A + Ant. B				
	Jordan Hsiao	Configurations	USB Cable 2				



	Freq	Level	50 SQUEEZS	Limit Line	100		Preamp Factor		Ant Pos	89.	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	- dB	dB			deg	dB/m
1 @	2347.280	51.20	-22.80	74.00	55.49	2.74	35.08	PEAK	107	2	28.06
2 @	2348.000	48.36	-5.64	54.00	52.65	2.74	35.08	AVERAGE	107	2	28.06





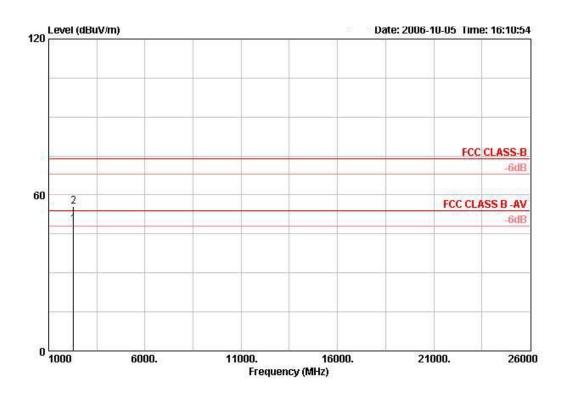


	Freq	Level		Limit Line					Ant Pos		Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	7	cm	deg	dB/m
1 @	2347.280	45.18	-8.82	54.00	49.47	2.74	35.08	AVERAGE	106	174	28.06
2	2348.480	47.78	-26.22	74.00	52.06	2.74	35.08	PEAK	106	174	28.06





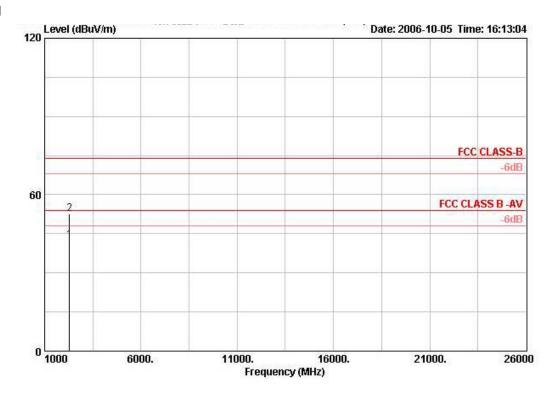
Temperature	23 ℃	Humidity	60%				
Test Engineer	lordan Usias	Configurations	802.11b 40MHz Channel 6(Lower) Ant. A + Ant. B/				
	Jordan Hsiao	Configurations	USB Cable 2				



	Freq	Level		Limit Line					Ant Pos		Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	*	- cm	deg	dB/m
10	2280.100	48.63	-5.37	54.00	53.07	2.69	35.04	AVERAGE	100	5	27.91
2 @	2280.520	55.57	-18.43	74.00	60.01	2.69	35.04	PEAK	100	5	27.91





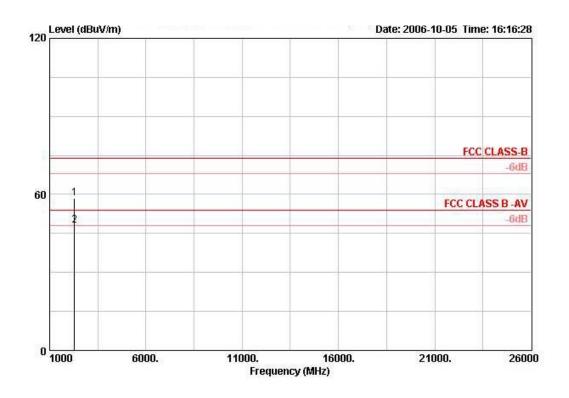


	Freq	Level		Limit Line					Ant Pos		Antenna Factor
	MHz	dBuV/m	- dB	dBuV/m	dBuV	фВ	- дв		- cm	deg	dB/m
1 @	2280.020	42.54	-11.46	54.00	46.99	2.69	35.04	AVERAGE	100	166	27.91
2 @	2280.260	52.80	-21.20	74.00	57.25	2.69	35.04	PEAK	100	166	27.91





Temperature	23℃	Humidity	60%				
Test Engineer	lordan Heido	Configurations	802.11b 40MHz Channel 6(Upper) Ant. A + Ant. B/				
	Jordan Hsiao	Configurations	USB Cable 2				



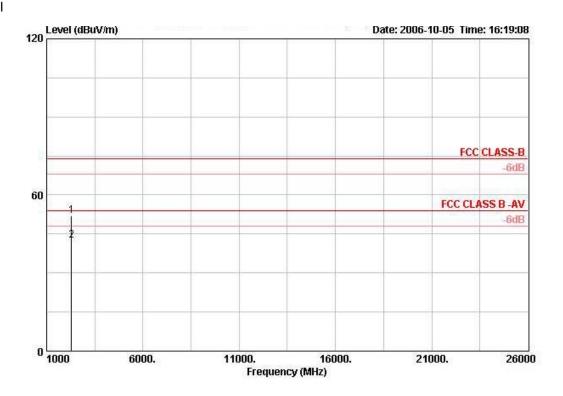
	Freq Level	Over Limit Rea Limit Line Leve		100 100 100 100 100		6 10. 14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15		Table: Pos	Antenna Factor		
	Mz	dBuV/m	dB	dBuV/m	dBuV	dВ	dB	**		deg	dB/m
10	2280.040	58.69	-15.31	74.00	63.13	2.69	35.04	PEAK	100	252	27.91
2 @	2280.070	48.06	-5.94	54.00	52.51	2.69	35.04	AVERAGE	100	252	27.91

: 88 of 145 Page No. FCC ID: FDI-09102030-0 Issued Date : Oct. 19,2006



: 89 of 145



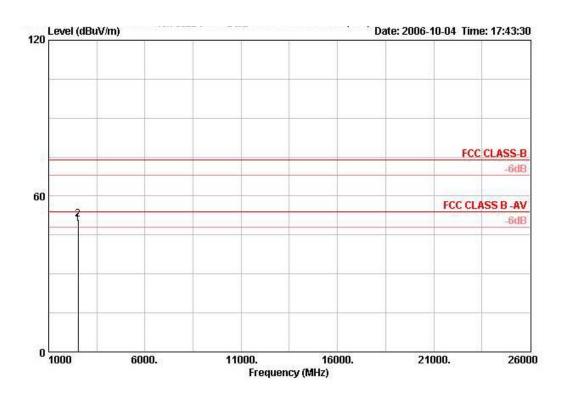


	Freq	Level		Limit Line	0.00		Preamp Factor		Ant Pos	339	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	T		deg	dB/m
1 @	2279.540	51.87	-22.13	74.00	56.32	2.69	35.04	PERK	100	160	27.91
2 @	2280.040	42.59	-11.41	54.00	47.03	2.69	35.04	AVERAGE	100	160	27.91





Temperature	23℃	Humidity	60%				
Test Engineer	lordan Usian	Configurations	802.11b 40MHz Channel 9(Lower) Ant. A + Ant. B /				
	Jordan Hsiao	Configurations	USB Cable 2				



	Freq	Level		Limit Line			Preamp Factor		Ant Pos		Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		- cm	deg	dB/m
10	2527.200	49.27	-4.73	54.00	53.08	2.85	35.17	AVERAGE	133	70	28.51
2 @	2527.200	50.87	-23.13	74.00	54.68	2.85	35.17	PEAK	133	70	28.51

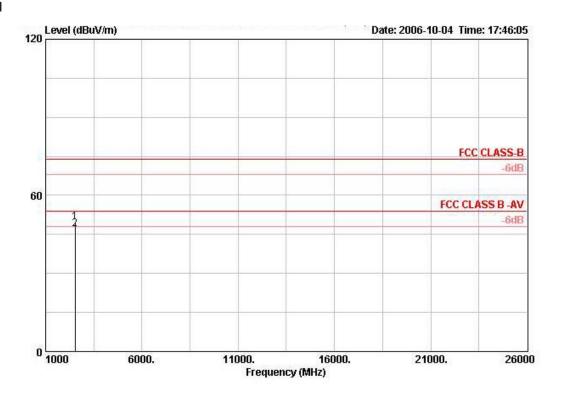


: 91 of 145

Issued Date : Oct. 19,2006

Page No.



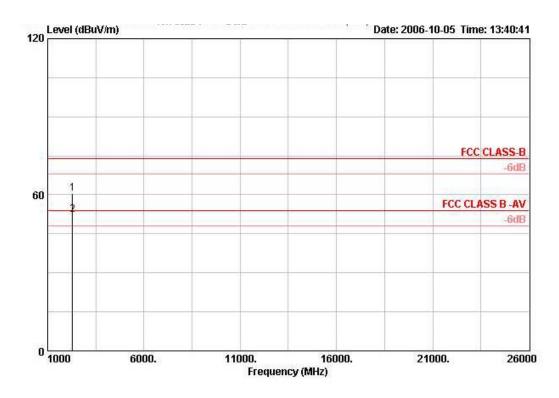


	Freq	Level		Limit Line					Ant Pos		Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	-	cm	deg	dB/m
1 @	2526.360	49.79	-24.21	74.00	53.60	2.85	35.17	PEAK	105	170	28.51
2 @	2526.920	47.13	-6.87	54.00	50.94	2.85	35.17	AVERAGE	105	170	28.51





Temperature	23 ℃	Humidity	60%				
Test Engineer	lordan Usido	Configurations	802.11g 20MHz Channel 1 Ant. A /				
	Jordan Hsiao	Configurations	USB Cable 2				



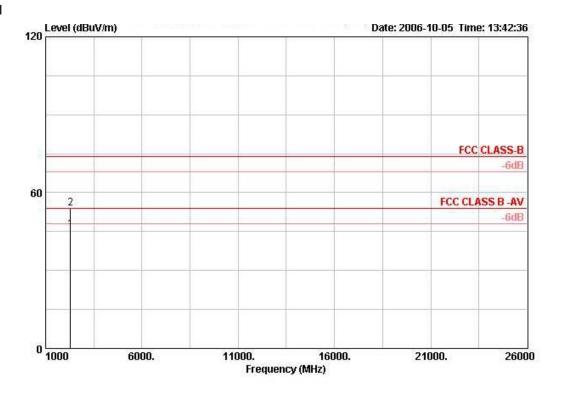
	Freq	Level	Over Limit	Limit Line					Pos		Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	÷	cm	deg	dB/m
10	2280.030	60.56	-13.44	74.00	65.00	2.69	35.04	PEAK	144	7	27.91
2 @	2280.050	52.17	-1.83	54.00	56.61	2.69	35.04	AVERAGE	144	7	27.91

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 92 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006







		Freq	Level		Limit Line					Pos cm	Table? Pos	Antenna Factor	
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB			deg	dB/m	
1	e	2280.050	45.68	-8.32	54.00	50.12	2.69	35.04	AVERAGE	100	168	27.91	
2	e	2280.100	54.03	-19.97	74.00	58.47	2.69	35.04	PEAK	100	168	27.91	

Report Format Version: RF-15.247-2006-6-16-e FCC ID: FDI-09102030-0

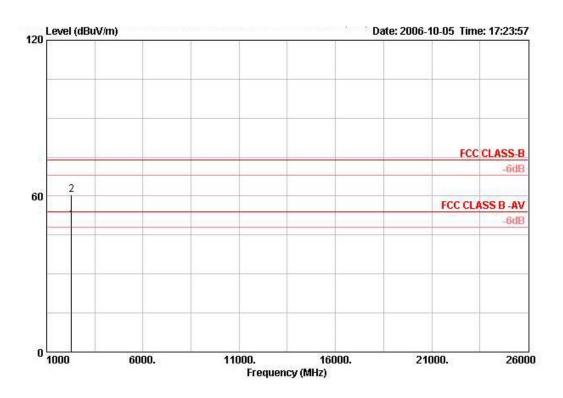
Page No. : 93 of 145

Issued Date : Oct. 19,2006





Temperature	23℃	Humidity	60%				
Test Engineer	Jordan Heigo	Configurations	802.11g 20MHz Channel 6 Ant. A /				
	Jordan Hsiao	Configurations	USB Cable 2				



	Freq	Level	Over Limit	Limit Line	Read Level				Ant Pos	No. 1442 (27.22)	Antenna Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dВ	dB			deg	dB/m
10	2280.040	50.76	-3.24	54.00	55.21	2.69	35.04	AVERAGE	147	15	27.91
2 @	2280.100	60.34	-13.66	74.00	64.79	2.69	35.04	PEAK	147	15	27.91

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 94 of 145

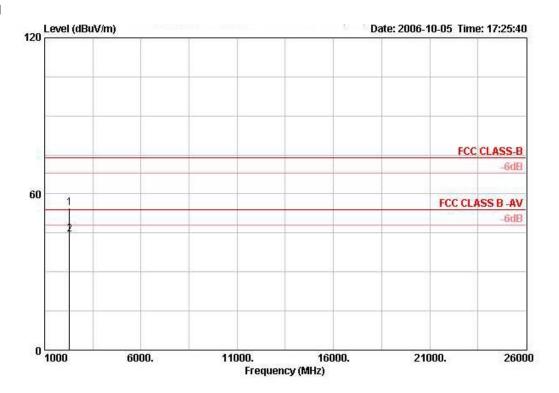
 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006



: 95 of 145



Horizontal



Freq	Level	Over Limit				Preamp Factor		Ant Pos		Antenna Factor
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	-		deg	dB/m
2280.020	54.49	-19.51	74.00	58.94	2.69	35.04	PEAK	100	177	27.91
2280 060	44 62	-9 38	54 00	49 06	2 69	35 04	DVERBCE	100	177	27 91

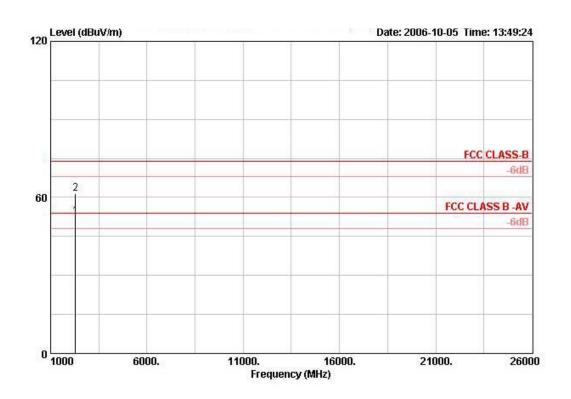
Page No. FCC ID: FDI-09102030-0 Issued Date : Oct. 19,2006

1 @ 2 @





Temperature	23 ℃	Humidity	60%				
Test Engineer	lordan Usian	Configurations	802.11g 20MHz Channel 11 Ant. A /				
	Jordan Hsiao	Configurations	USB Cable 2				



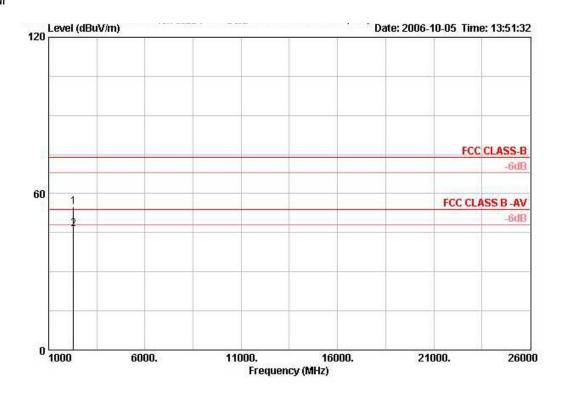
	\$20000. * 0	Freq	Freq	Freq	Level						Remark	Ant Pos		Antenna Factor
		dBuV/m	dB	dBuV/m	dBuV	dB	dB		- cm	deg	dB/m			
1 @	2280.030	52.79	-1.21	54.00	57.24	2.69	35.04	AVERAGE	148	4	27.91			
2 @	2280.070	61.61	-12.39	74.00	66.05	2.69	35.04	PEAK	148	4	27.91			

 Report Format Version: RF-15.247-2006-6-16-e
 Page No. : 96 of 145

 FCC ID: FDI-09102030-0
 Issued Date : Oct. 19,2006







	Freq	eq Level l	Over Limit		Read Level				Ant Pos	TableAntenna Pos Factor	
	MKz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		cm	deg	dB/m
1 @	2280.000	54.95	-19.05	74.00	59.40	2.69	35.04	PEAK	100	167	27.91
2 @	2280.030	46.42	-7.58	54.00	50.87	2.69	35.04	AVERAGE	100	167	27.91

: 97 of 145 Page No. FCC ID: FDI-09102030-0 Issued Date : Oct. 19,2006