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: 01
 Page No. : 258 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008

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.
- 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.

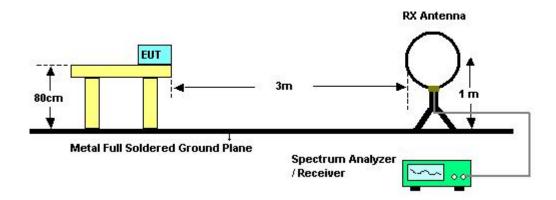
 Report Format Version: 01
 Page No.
 : 259 of 522

 FCC ID: AY3-AP36V1B
 Issued Date
 : Sep. 12, 2008

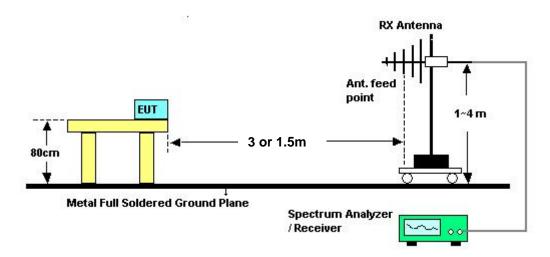


4.5.4. Test Setup Layout

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 1.5m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1.5m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [6 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: 01
 Page No. : 260 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



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

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang		

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

Note:

The amplitude of spurious emissions that 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);

 $\label{limit} \mbox{Limit line} = \mbox{specific limits (dBuV)} + \mbox{distance extrapolation factor}.$

 Report Format Version: 01
 Page No. : 261 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008

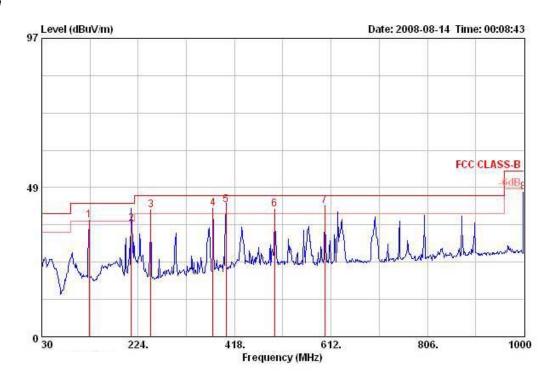




4.5.8. Results of Radiated Emissions (30MHz~1GHz)

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Ant. 4 (Horizontal)

Horizontal

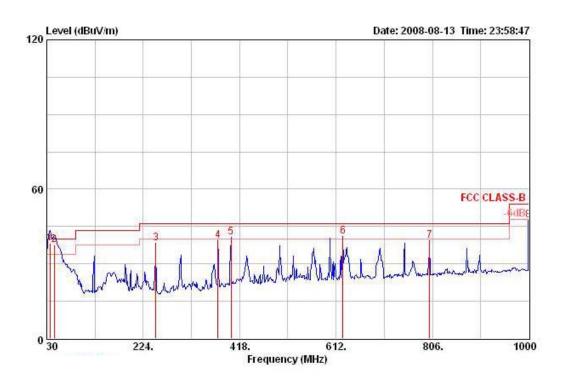


			Over	Limit	Readi	Antenna	Preamp	Cable			Table	Ant
	Freq	Level	Limit	Line	Level	Factor	Factor	Loss	Remark	Pol/Phase	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	¥		deg	cm
1!	125.060	37.91	-5.59	43.50	51.93	12.21	27.48	1.25	Peak	HORIZONTAL	0	400
2	210.420	36.74	-6.76	43.50	52.24	9.84	27.08	1.74	QP	HORI ZONTAL	165	161
3 !	249.220	41.24	-4.76	46.00	53.65	12.70	27.00	1.90	Peak	HORI ZONTAL	0	400
4!	374.350	41.66	-4.34	46.00	51.45	15.38	27.42	2.25	Peak	HORI ZONTAL	0	400
5 !	400.540	42.77	-3.23	46.00	52.00	16.08	27.61	2.31	QP	HORI ZONTAL	228	100
6 !	498.510	41.33	-4.67	46.00	49.12	17.60	28.09	2.70	Peak	HORI ZONTAL	0	400
7 !	599.390	42.59	-3.41	46.00	49.03	18.76	28.10	2.90	Peak	HORI ZONTAL	0	400
8	1000.000	47.01	-6.99	54.00	49.02	21.29	27.00	3.70	Peak	HORI ZONTAL	0	400

 Report Format Version: 01
 Page No. : 262 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008





			Over	Limit	Read	Antenna	Preamp	Cable			Table	Ant
	Freq	Level	Limit	Line	Level	Factor	Factor	Loss	Remark	Pol/Phase	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	Ŋ 		deg	can
1 @	36.790	38.34	-1.66	40.00	50.67	14.89	27.80	0.58	QP	VERTICAL	324	100
2 @	44.550	37.57	-2.43	40.00	54.35	10.32	27.80	0.70	QP	VERTICAL	164	100
3	249.220	38.43	-7.57	46.00	50.84	12.70	27.00	1.90	Peak	VERTICAL	0	400
4	374.350	39.28	-6.72	46.00	49.07	15.38	27.42	2.25	Peak	VERTICAL	0	400
5 !	400.540	40.64	-5.36	46.00	49.86	16.08	27.61	2.31	Peak	VERTICAL	0	400
6 !	625.580	40.93	-5.07	46.00	47.10	18.85	28.07	3.05	Peak	VERTICAL	0	400
7	800.180	39.16	-6.84	46.00	43.69	19.77	27.60	3.30	Peak	VERTICAL	0	400
8	1000.000	47.54	-6.46	54.00	49.55	21.29	27.00	3.70	Peak	VERTICAL	0	400

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB 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: 01
 Page No. : 263 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008

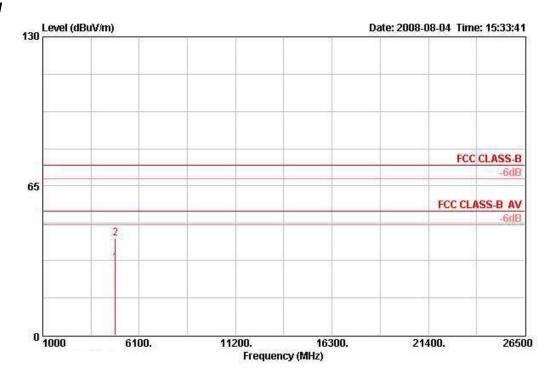


4.5.9. Results for Radiated Emissions (1GHz~10th Harmonic)

Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 1 Ant. 1

Horizontal

1 2

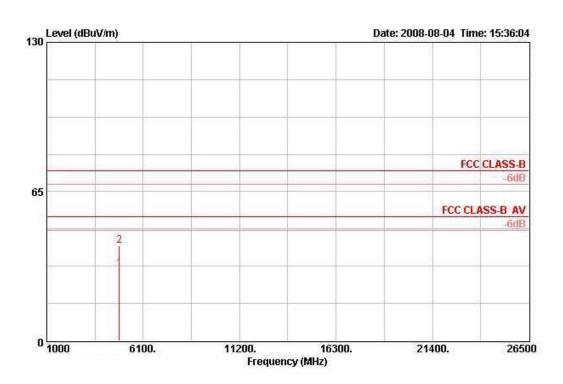


		Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
Mz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg	-
4824.800	31.51	-22.49	54.00	29.68	33.06	3.94	35.16	AVERAGE	100	129	HORIZONTAL
4824.800	42.39	-31.61	74.00	40.56	33.06	3.94	35.16	PERK	100	129	HORI ZONTAL

 Report Format Version: 01
 Page No. : 264 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008





		0ver	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	
4832.000	31.35	-22.65	54.00	29.51	33.06	3.95	35.16	AVERAGE	100	28	VERTICAL
4832.000	41.49	-32.51	74.00	39.65	33.06	3.95	35.16	PEAK	100	28	VERTICAL

Report Format Version: 01 FCC ID: AY3-AP36V1B

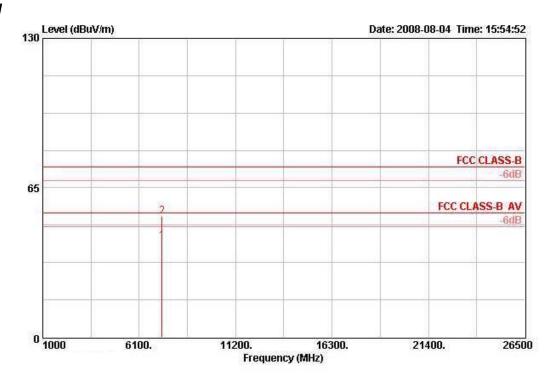
1 2

> Page No. : 265 of 522 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 6 Ant. 1

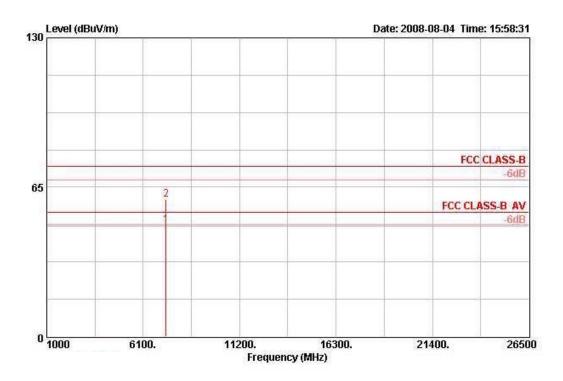
Horizontal



			Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg	-
1 @	7307.800	41.82	-12.18	54.00	35.92	35.96	5.12	35.18	AVERAGE	100	123	HORIZONTAL
2 @	7307.800	52.73	-21.27	74.00	46.84	35.96	5.12	35.18	PEAK	100	123	HORI ZONTAL

Report Format Version: 01
FCC ID: AY3-AP36V1B





	Freq	Level				Antenna Factor			Remark	Pos	Pos	Pol/Phase
	MKz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg	*
. е	7311.800	48.51	-5.49	54.00	42.62	35.96	5.12	35.18	AVERAGE	100	184	VERTICAL
0	7311.800	59.57	-14.43	74.00	53.67	35.96	5.12	35.18	PEAK	100	184	VERTICAL

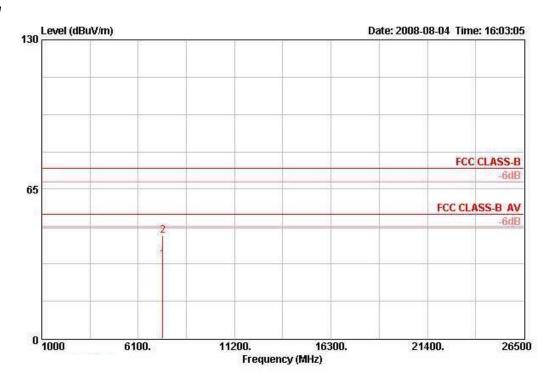
 Report Format Version: 01
 Page No. : 267 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch11 Ant. 1

Horizontal



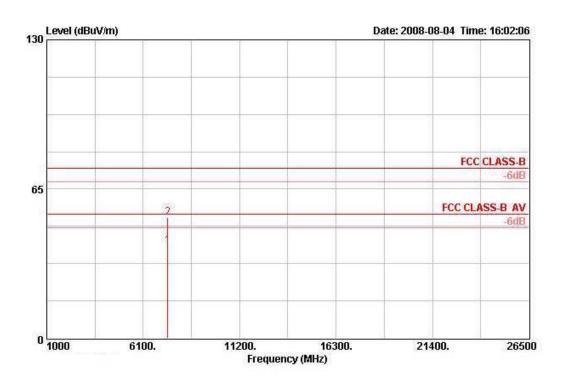
	Freq	Level	Over Limit			Antenna Factor				Ant Pos	Table Pos	Pol/Phase	
	MHz	dBuV/m	dВ	dBuV/m	dBuV	dB/m	dB/m dB		dB dB		deg	eg	
1 @	7392.800	34.33	-19.67	54.00	28.19	36.13	5.17	35.16	AVERAGE	100	160	HORI ZONTAL	
2	7392.800	44.92	-29.08	74.00	38.79	36.13	5.17	35.16	PEAK	100	160	HORIZONTAL	

 Report Format Version: 01
 Page No. : 268 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



1 @ 2



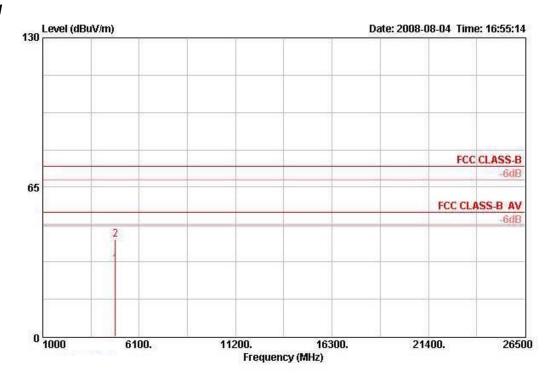
		Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg	
7386.600	40.53	-13.47	54.00	34.43	36.09	5.17	35.16	AVERAGE	114	184	VERTICAL
7386.600	52.44	-21.56	74.00	46.34	36.09	5.17	35.16	PERK	114	184	VERTICAL

Report Format Version: 01 Page No. FCC ID: AY3-AP36V1B Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 3 Ant. 1

Horizontal

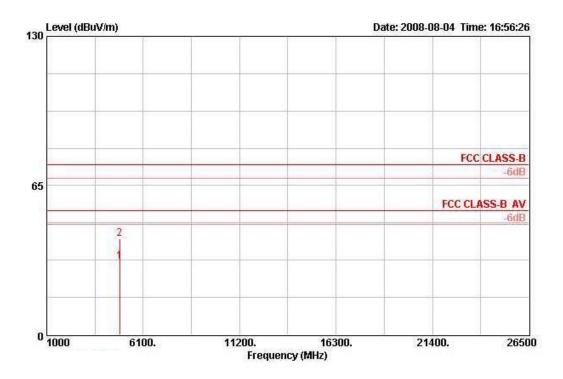


		Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	₫В	dB	-		deg	-
4844.400	31.47	-22.53	54.00	29.60	33.09	3.95	35.16	AVERAGE	100	141	HORIZONTAL
4844 400	42 09	-31 91	74 00	40 22	33 09	3 95	35 16	PERK	100	141	HORT ZONTAL

Issued Date : Sep. 12, 2008



1 2



		Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg	-
4846.000	31.81	-22.19	54.00	29.94	33.09	3.95	35.16	AVERAGE	100	276	VERTICAL
4846.000	41.96	-32.04	74.00	40.08	33.09	3.95	35.16	PERK	100	276	VERTICAL

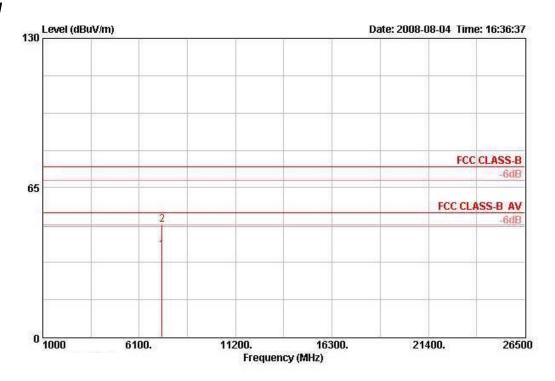
 Report Format Version: 01
 Page No. : 271 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 6 Ant. 1

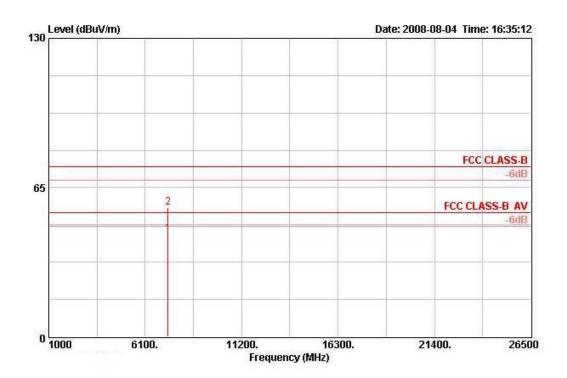
Horizontal



			Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos Pol/Pl	nase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	1	cm	deg	**
1 @	7299.400	37.64	-16.36	54.00	31.81	35.92	5.10	35.19	AVERAGE	100	122 HORIZO	ONTAL
2	7299.400	48.85	-25.15	74.00	43.02	35.92	5.10	35.19	PEAK	100	122 HORIZO	DNTAL

Report Format Version: 01 FCC ID: AY3-AP36V1B Issued Date : Sep. 12, 2008





	Freq	Level				Antenna Factor				Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg	_
1 @	7299.400	44.71	-9.29	54.00	38.87	35.92	5.10	35.19	AVERAGE	100	184	VERTICAL
2 @	7299.400	56.22	-17.78	74.00	50.38	35.92	5.10	35.19	PEAK	100	184	VERTICAL

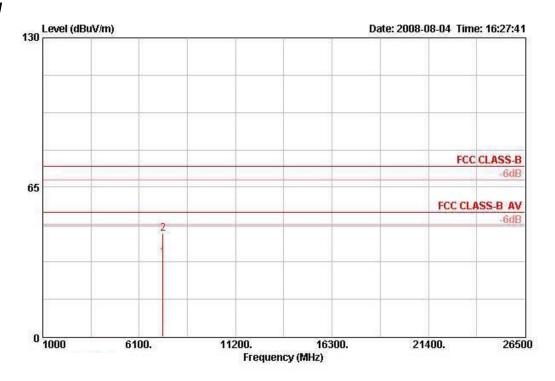
 Report Format Version: 01
 Page No. : 273 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 9 Ant. 1

Horizontal

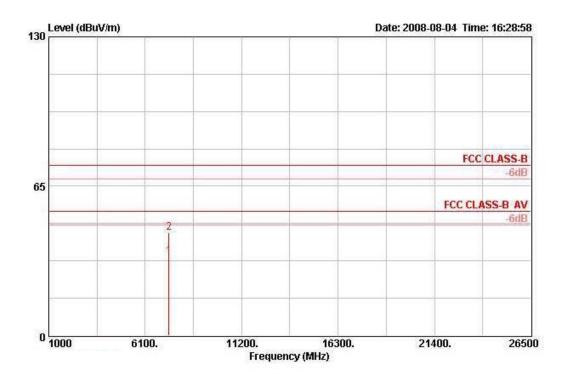


			Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	*
1 0	7357.200	34.42	-19.58	54.00	28.43	36.02	5.13	35.17	AVERAGE	100	54	HORIZONTAL
2	7357.200	44.80	-29.20	74.00	38.82	36.02	5.13	35.17	PEAK	100	54	HORI ZONTAL

 Report Format Version: 01
 Page No. : 274 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



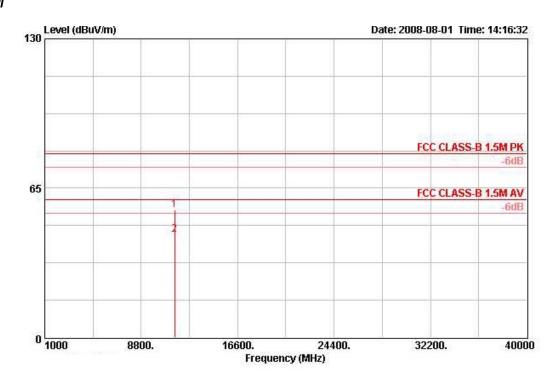


			Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MKz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg	-
1 @	7357.200	34.43	-19.57	54.00	28.44	36.02	5.13	35.17	AVERAGE	100	149	VERTICAL
2	7357.200	44.91	-29.09	74.00	38.92	36.02	5.13	35.17	PERK	100	149	VERTICAL



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	11a Draft n MCS8 20MHz CH 149 Ant. 1

Horizontal



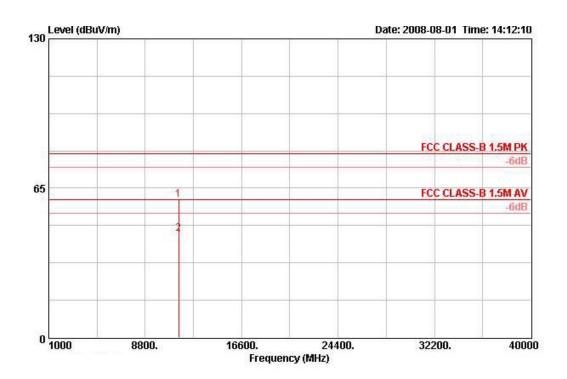
	Freq	Level				Antenna Factor				Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dВ	-	cm.	deg	
1	11491.000	55.45	-24.55	80.00	44.97	38.78	6.68	34.98	PEAK	100	213	HORIZONTAL
2 @	11491.000	44.87	-15.13	60.00	34.39	38.78	6.68	34.98	AVERAGE	100	213	HORIZONTAL

 Report Format Version: 01
 Page No. : 276 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



1 @ 2 @



		Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MKz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	дв	-		deg	
11490.000	60.00	-20.00	80.00	49.52	38.78	6.68	34.98	PEAK	100	173	VERTICAL
11490.000	45.27	-14.73	60.00	34.79	38.78	6.68	34.98	AVERAGE	100	173	VERTICAL

 Report Format Version: 01
 Page No. : 277 of 522

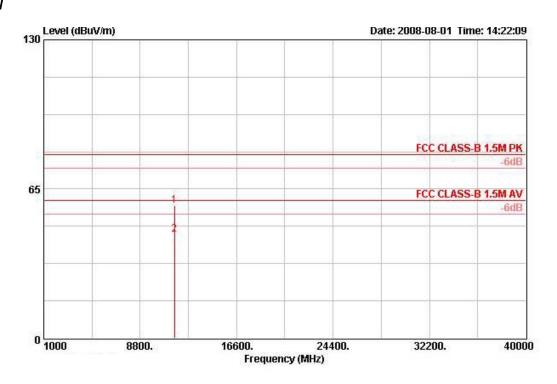
 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	11a Draft n MCS8 20MHz CH 157 Ant. 1

Horizontal

1 @ 2 @



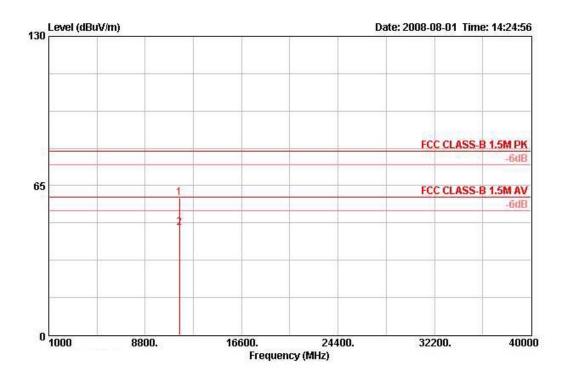
Freq	Level				Factor				Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm.	deg	
11572.800	57.94	-22.06	80.00	47.45	38.83	6.67	35.00	PEAK	100	214	HORIZONTAL
11572.800	45.09	-14.91	60.00	34.60	38.83	6.67	35.00	AVERAGE	100	214	HORI ZONTAL

 Report Format Version: 01
 Page No.
 : 278 of 522

 FCC ID: AY3-AP36V1B
 Issued Date
 : Sep. 12, 2008



1 @ 2 @



		Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm.	deg	-
11573.000	59.67	-20.33	80.00	49.18	38.83	6.67	35.00	PEAK	100	174	VERTICAL
11573.000	46.74	-13.26	60.00	36.24	38.83	6.67	35.00	AVERAGE	100	174	VERTICAL

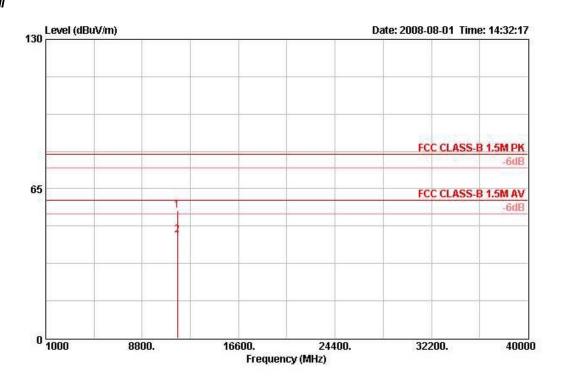
 Report Format Version: 01
 Page No. : 279 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	11a Draft n MCS8 20MHz CH 165 Ant. 1

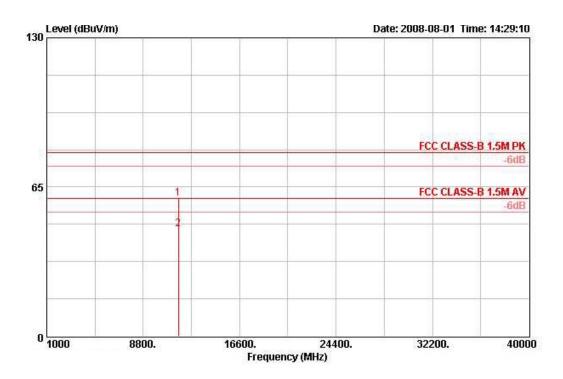
Horizontal



	Two m	I aveal				Antenna			Remark	Ant Pos	Table	Pol/Phase
	rreq	rever	LIME	TIME	rever	FACCUE	LUSS	Factor	Remark	PUS	PUS	POITPHASE
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11651.400	55.73	-24.27	80.00	45.22	38.86	6.66	35.01	PEAK	100	211	HORI ZONTAL
2 @	11651.400	44.71	-15.29	60.00	34.21	38.86	6.66	35.01	AVERAGE	100	211	HORI ZONTAL



1 @ 2 @



			Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	ав	дв	-		deg	-
9	11651.400	59.99	-20.01	80.00	49.48	38.86	6.66	35.01	PEAK	100	176	VERTICAL
9	11651.400	46.53	-13.47	60.00	36.03	38.86	6.66	35.01	AVERAGE	100	176	VERTICAL

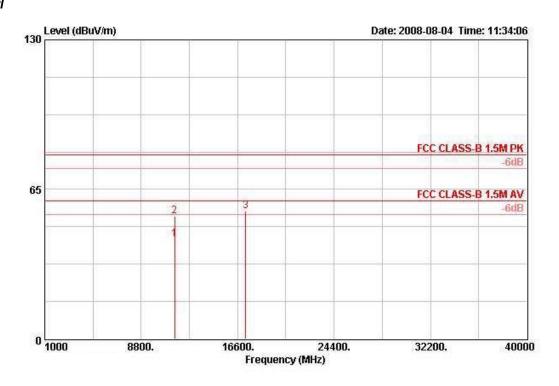
 Report Format Version: 01
 Page No. : 281 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	11a Draft n MCS8 40MHz CH 151 Ant. 1

Horizontal



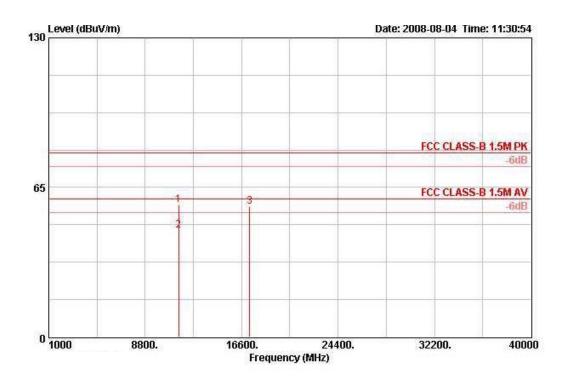
			Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg	*
10	11503.600	43.34	-16.66	60.00	32.87	38.79	6.68	35.00	AVERAGE	100	202	HORIZONTAL
2	11503.600	53.29	-26.71	80.00	42.82	38.79	6.68	35.00	PERK	100	202	HORI ZONTAL

Note: Item 3 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

 Report Format Version: 01
 Page No. : 282 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008





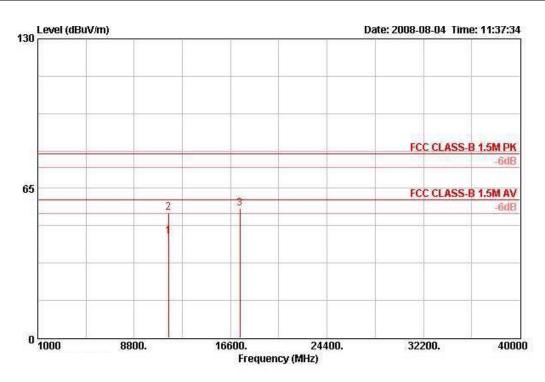
	Freq	Level		- 100 (A) (A)	2 - 1 TO 1	Antenna Factor	100000000000000000000000000000000000000			Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg	-
1	11508.400	57.31	-22.69	80.00	46.83	38.79	6.68	35.00	PEAK	100	163	VERTICAL
2 @	11508.400	46.40	-13.60	60.00	35.93	38.79	6.68	35.00	AVERAGE	100	163	VERTICAL

Note: Item 3 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	11a Draft n MCS8 40MHz CH 159 Ant. 1

Horizontal



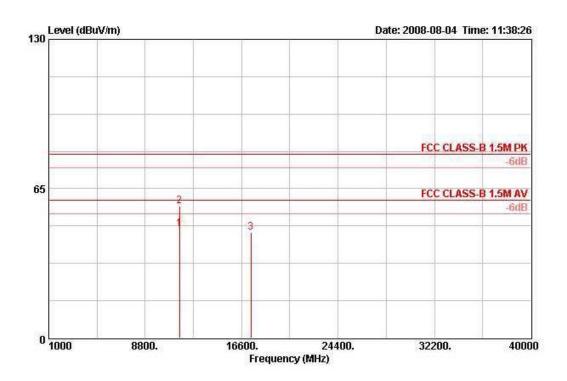
	Freq	Level				Antenna Factor				Ant Pos	Table Pos	Pol/Phase
	MKz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		- cm	deg	
1 @	11570.000	44.15	-15.85	60.00	33.65	38.83	6.67	35.00	AVERAGE	100	202	HORIZONTAL
2	11570.000	54.41	-25.59	80.00	43.91	38.83	6.67	35.00	PERK	100	202	HORI ZONTAL

Note: Item 3 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

 Report Format Version: 01
 Page No. : 284 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008





	1920	Level				Antenna Factor				Ant Pos	Table	Pol/Phase
	rreq	rever	LIMILE	Line	rever	Factor	LUSS	Factor	Remark	Pos	POS	POI/PRASE
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	2	cm	deg	- 1 0
1 @ 2	11566.400	47.26	-12.74	60.00	36.77	38.82	6.67	35.00	AVERAGE	100	165	VERTICAL
2	11566.400	57.51	-22.49	80.00	47.02	38.82	6.67	35.00	PEAK	100	165	VERTICAL

Note: Item 3 is on un-restricted band, so the limit is -20dBc for the field strength of fundamental emission.

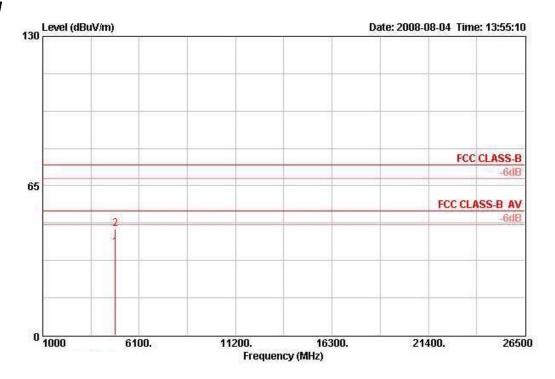
 Report Format Version: 01
 Page No. : 285 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11b CH 1 Ant. 1

Horizontal



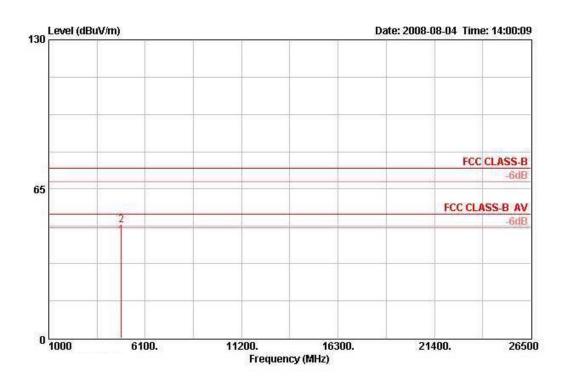
		Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg	
4823.900	38.23	-15.77	54.00	36.40	33.06	3.94	35.16	AVERAGE	138	169	HORIZONTAL
4823.900	46.17	-27.83	74.00	44.34	33.06	3.94	35.16	PEAK	138	169	HORIZONTAL
	MHz 4823.900	MHz dBuV/m 4823.900 38.23	Freq Level Limit MHz dBuV/m dB 4823.900 38.23 -15.77	Freq Level Limit Line MHz dBuV/m dB dBuV/m 4823.900 38.23 -15.77 54.00	Freq Level Limit Line Level MHz dBuV/m dB uV/m dBuV/m dBuV/m 4823.900 38.23 -15.77 54.00 36.40	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV/m dBuV dB/m 4823.900 38.23 -15.77 54.00 36.40 33.06	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB uV/m dBuV dB/m dB/m dB 4823.900 38.23 -15.77 54.00 36.40 33.06 3.94	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 4823.900 38.23 -15.77 54.00 36.40 33.06 3.94 35.16	MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 4823.900 38.23 -15.77 54.00 36.40 33.06 3.94 35.16 AVERAGE	Freq Level Limit Line Level Factor Loss Factor Remark Pos MHz dBuV/m dB dB/m dB dB dB cm 4823.900 38.23 -15.77 54.00 36.40 33.06 3.94 35.16 AVERAGE 138	Freq Level Limit Line Level Factor Loss Factor Remark Pos Pos MHz dBuV/m dB dB/m dB dB cm deg 4823.900 38.23 -15.77 54.00 36.40 33.06 3.94 35.16 AVERAGE 138 169

 Report Format Version: 01
 Page No. : 286 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



1 @ 2



		Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg	-
4824.000	44.74	-9.26	54.00	42.91	33.06	3.94	35.16	AVERAGE	100	209	VERTICAL
4824.000	49.25	-24.75	74.00	47.42	33.06	3.94	35.16	PERK	100	209	VERTICAL

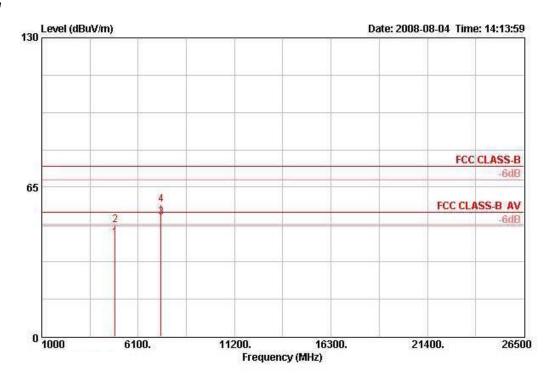
 Report Format Version: 01
 Page No. : 287 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



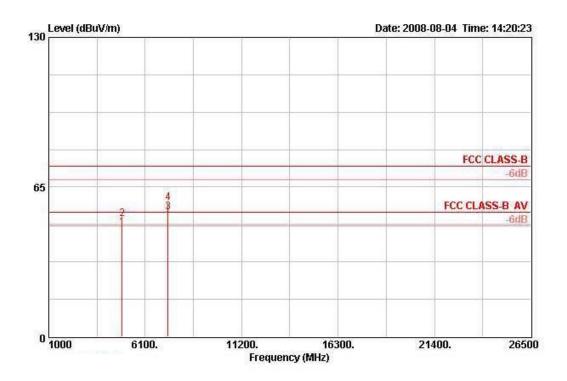
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11b CH 6 Ant. 1

Horizontal



			Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg	*
1 @	4874.000	42.92	-11.08	54.00	40.96	33.16	3.96	35.15	AVERAGE	100	64	HORIZONTAL
2	4874.000	48.59	-25.41	74.00	46.63	33.16	3.96	35.15	PEAK	100	64	HORIZONTAL
3 @	7311.880	51.92	-2.08	54.00	46.03	35.96	5.12	35.18	AVERAGE	155	184	HORIZONTAL
4 @	7311 880	57 23	-16 77	74 00	51 34	35 96	5 12	35 18	DEAK	155	184	HORT ZONTAL





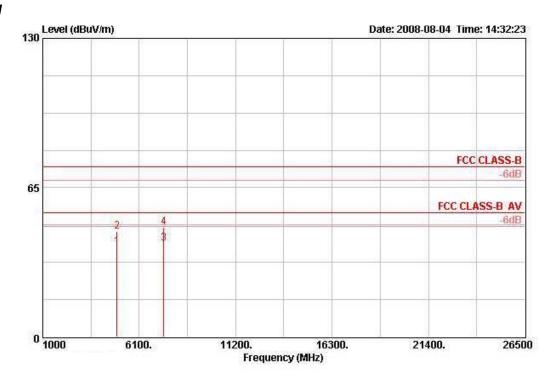
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MKz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	*	cm	deg	
1 @	4873.960	47.55	-6.45	54.00	45.58	33.16	3.96	35.15	AVERAGE	100	209	VERTICAL
2	4873.960	51.04	-22.96	74.00	49.08	33.16	3.96	35.15	PEAK	100	209	VERTICAL
3 @	7313.900	53.93	-0.07	54.00	48.04	35.96	5.12	35.18	AVERAGE	100	179	VERTICAL
4 @	7313.900	58.31	-15.69	74.00	52.41	35.96	5.12	35.18	PEAK	100	179	VERTICAL





Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11b CH 11 Ant. 1

Horizontal

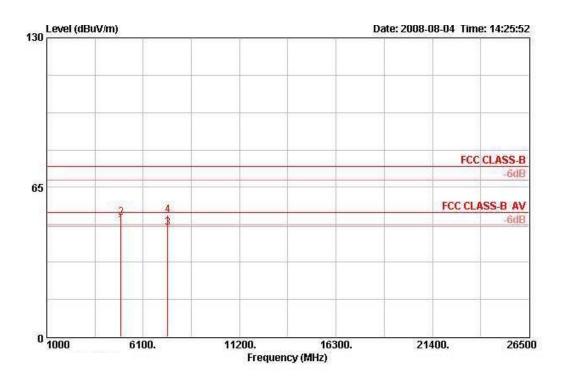


			Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MKz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dВ	dB	*	cm	deg	-
10	4923.900	39.26	-14.74	54.00	37.16	33.26	3.98	35.14	AVERAGE	100	126	HORIZONTAL
2	4923.900	46.04	-27.96	74.00	43.93	33.26	3.98	35.14	PERK	100	126	HORI ZONTAL
3 @	7388.700	40.61	-13.39	54.00	34.51	36.09	5.17	35.16	AVERAGE	100	162	HORI ZONTAL
4	7388.700	47.61	-26.39	74.00	41.51	36.09	5.17	35.16	PEAK	100	162	HORIZONTAL

FCC ID: AY3-AP36V1B

Issued Date : Sep. 12, 2008





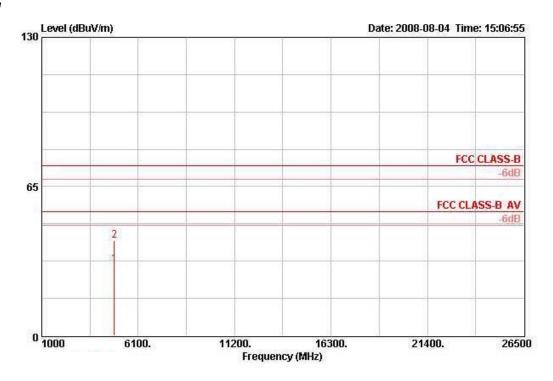
			Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg	-
1 @	4923.880	48.53	-5.47	54.00	46.42	33.26	3.98	35.14	AVERAGE	164	138	VERTICAL
2	4923.880	51.76	-22.24	74.00	49.66	33.26	3.98	35.14	PEAK	164	138	VERTICAL
3 @	7388.700	47.57	-6.43	54.00	41.47	36.09	5.17	35.16	AVERAGE	165	125	VERTICAL
4 @	7388.700	52.86	-21.14	74.00	46.76	36.09	5.17	35.16	PEAK	165	125	VERTICAL



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11g CH 1 Ant. 1

Horizontal

1 2

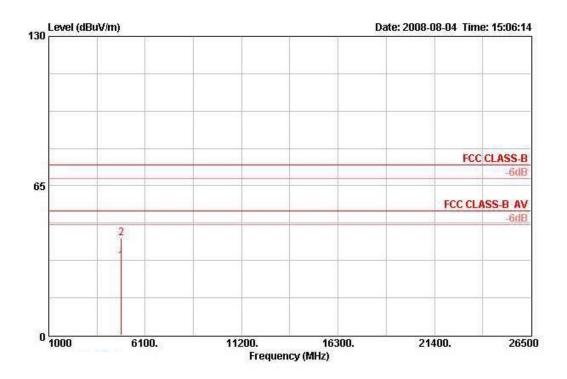


		Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg	-
4827.000	31.21	-22.79	54.00	29.38	33.06	3.94	35.16	AVERAGE	100	53	HORIZONTAL
4827.000	41.50	-32.50	74.00	39.68	33.06	3.94	35.16	PERK	100	53	HORI ZONTAL

 Report Format Version: 01
 Page No. : 292 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008





		Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dВ	dB	-	cm	deg	
4827.000	32.30	-21.70	54.00	30.47	33.06	3.94	35.16	AVERAGE	100	210	VERTICAL
4827.000	42.24	-31.76	74.00	40.41	33.06	3.94	35.16	PEAK	100	210	VERTICAL

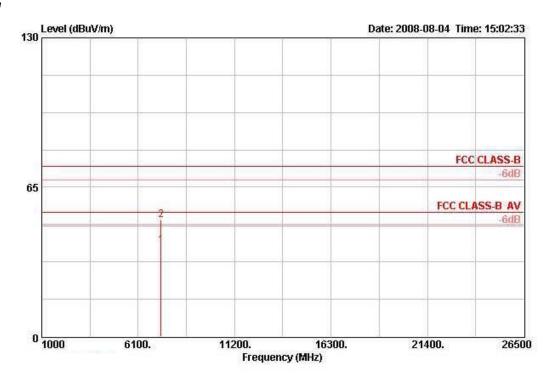
 Report Format Version: 01
 Page No. : 293 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11g CH 6 Ant. 1

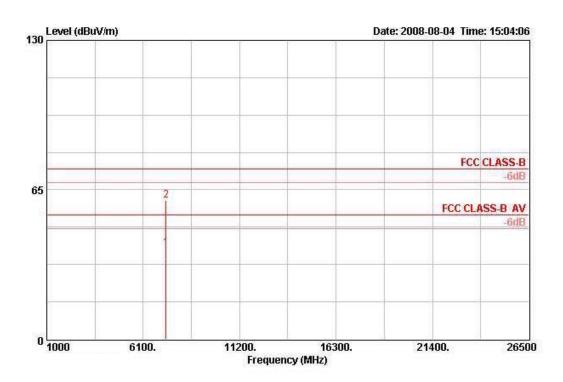
Horizontal



			Over	Limit	Readi	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	+	cm	deg	
10	7314.000	39.53	-14.47	54.00	33.64	35.96	5.12	35.18	AVERAGE	100	287	HORIZONTAL
2	7314.000	50.83	-23.17	74.00	44.94	35.96	5.12	35.18	PEAK	100	287	HORI ZONTAL

Report Format Version: 01
FCC ID: AY3-AP36V1B





		Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB dB	В		deg	*
7309.000	39.50	-14.50	54.00	33.61	35.96	5.12	35.18	AVERAGE	100	183	VERTICAL
7309.000	60.35	-13.65	74.00	54.45	35.96	5.12	35.18	PEAK	100	183	VERTICAL
	MHz 7309.000	MHz dBuV/m	Freq Level Limit MHz dBuV/m dB 7309.000 39.50 -14.50	### Freq Level Limit Line MHz dBuV/m dB dBuV/m 7309.000 39.50 -14.50 54.00	### Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV	## Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 7309.000 39.50 -14.50 54.00 33.61 35.96	### Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB	### Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB	MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 7309.000 39.50 -14.50 54.00 33.61 35.96 5.12 35.18 AVERAGE	Freq Level Limit Line Level Factor Loss Factor Remark Pos MHz dBuV/m dB dB/m dB dB cm 7309.000 39.50 -14.50 54.00 33.61 35.96 5.12 35.18 AVERAGE 100	Freq Level Limit Line Level Factor Loss Factor Remark Pos Pos MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 7309.000 39.50 -14.50 54.00 33.61 35.96 5.12 35.18 AVERAGE 100 183

 Report Format Version: 01
 Page No. : 295 of 522

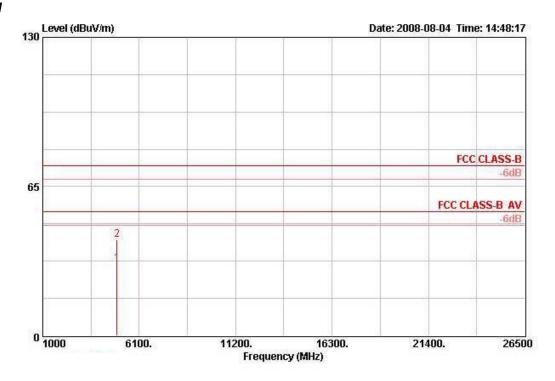
 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11g CH 11 Ant. 1

Horizontal

1 2



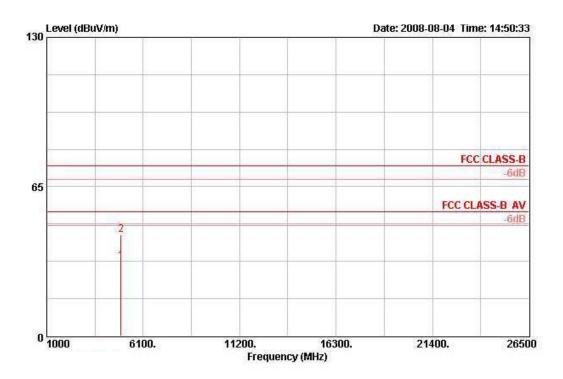
		Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MKz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg	
4924.000	31.60	-22.40	54.00	29.50	33.26	3.98	35.14	AVERAGE	100	191	HORIZONTAL
4924.000	41.99	-32.01	74.00	39.89	33.26	3.98	35.14	PERK	100	191	HORIZONTAL

 Report Format Version: 01
 Page No. : 296 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



1 @ 2



		Uver	Limit	Kead	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg	-
4925.800	32.66	-21.34	54.00	30.55	33.26	3.98	35.14	AVERAGE	100	283	VERTICAL
4925.800	43.92	-30.08	74.00	41.81	33.26	3.98	35.14	PERK	100	283	VERTICAL

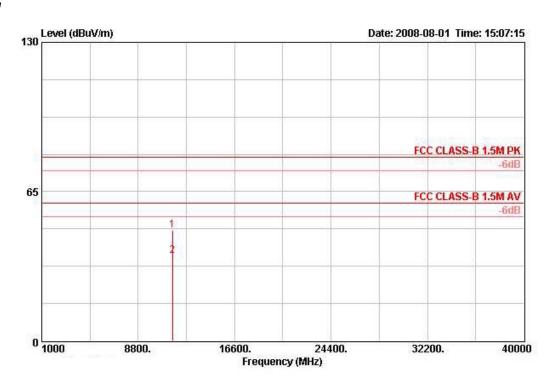
 Report Format Version: 01
 Page No. : 297 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a CH 149 Ant. 1

Horizontal

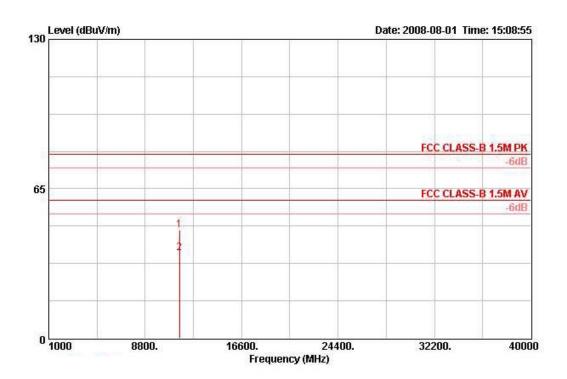


			Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MKz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg	*
1	11570.200	48.17	-31.83	80.00	37.67	38.83	6.67	35.00	PEAK	100	187	HORI ZONTAL
2 @	11570.200	37.13	-22.87	60.00	26.63	38.83	6.67	35.00	AVERAGE	100	187	HORI ZONTAL

 Report Format Version: 01
 Page No. : 298 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008





	Freq	Level				Antenna Factor				Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	B dB	3	cm	deg	2
1	11570.800	47.16	-32.84	80.00	36.66	38.83	6.67	35.00	PEAK	100	67	VERTICAL
2 @	11570.800	36.95	-23.05	60.00	26.45	38.83	6.67	35.00	AVERAGE	100	67	VERTICAL

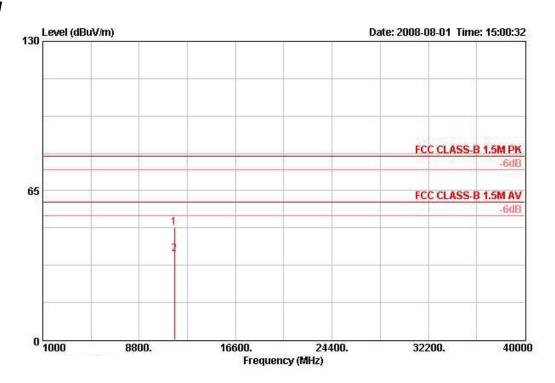
 Report Format Version: 01
 Page No. : 299 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a CH 157 Ant. 1

Horizontal

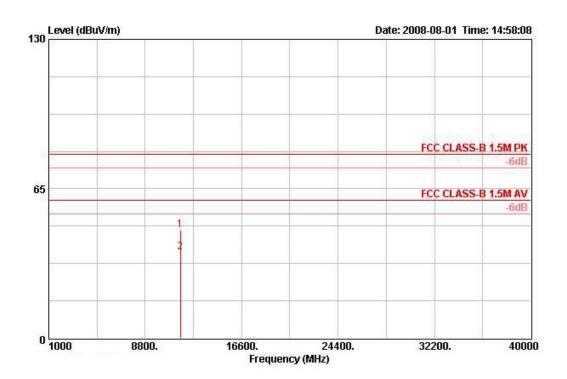


	Freq	Level				Factor				Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB dB	IB Total	cm	deg	-
1	11651.400	49.05	-30.95	80.00	38.55	38.86	6.66	35.01	PEAK	100	253	HORI ZONTAL
2 @	11651.400	37.31	-22.69	60.00	26.80	38.86	6.66	35.01	AVERAGE	100	253	HORIZONTAL

 Report Format Version: 01
 Page No. : 300 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008





	Freq	Level				Factor				Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	/m dBuV	dB/m	dB	dB dB	3		deg	<u> </u>
1	11650.600	46.98	-33.02	80.00	36.48	38.86	6.66	35.01	PEAK	100	188	VERTICAL
2 @	11650.600	37.57	-22.43	60.00	27.06	38.86	6.66	35.01	AVERAGE	100	188	VERTICAL

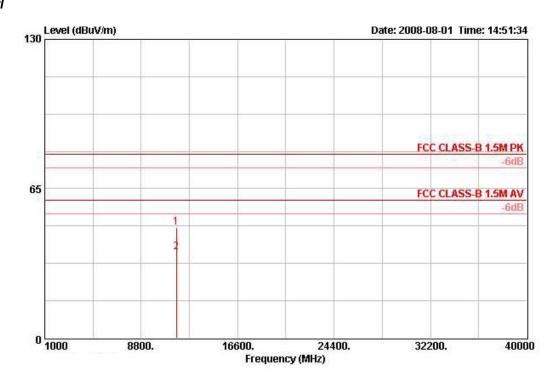
 Report Format Version: 01
 Page No. : 301 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	802.11a CH 165 Ant. 1

Horizontal

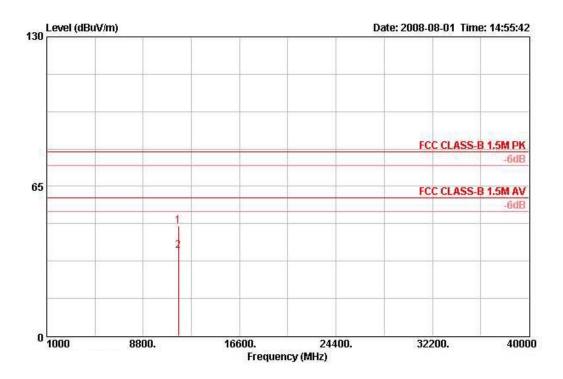


			Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MHz	dBuV/m	/m dB d	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	*
1	11650.400	47.98	-32.02	80.00	37.48	38.86	6.66	35.01	PEAK	100	117	HORIZONTAL
2 @	11650.400	37.26	-22.74	60.00	26.75	38.86	6.66	35.01	AVERAGE	100	117	HORI ZONTAL

 Report Format Version: 01
 Page No. : 302 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008

Vertical



	Freq	Level				Factor			Remark	Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg	
1	11650.600	47.85	-32.15	80.00	37.35	38.86	6.66	35.01	PEAK	100	142	VERTICAL
2 @	11650.600	37.20	-22.80	60.00	26.70	38.86	6.66	35.01	AVERAGE	100	142	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB 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: 01
 Page No. : 303 of 522

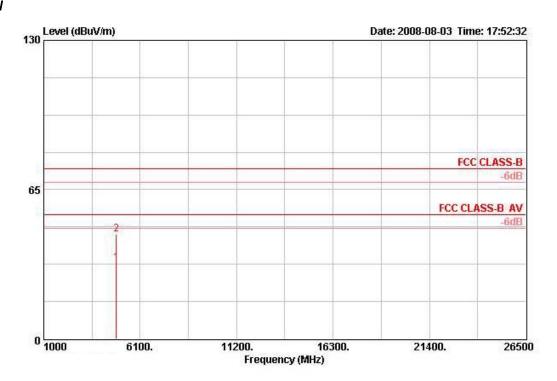
 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 1 Ant. 2

Horizontal

1 2



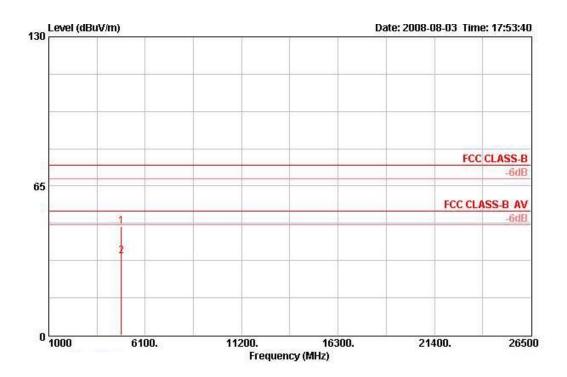
Freq	Level	Over Limit	Limit Line		Antenna Factor				Ant Pos	Table Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	ав	dB	1	cm	deg	
4824.420	32.94	-21.06	54.00	31.11	33.06	3.94	35.16	AVERAGE	100	63	HORI ZONTAL
4024 500	45 51	-20 49	74 00	42 60	22 06	2 94	25 16	DEAL	100	63	UODT TONTAL

 Report Format Version: 01
 Page No. : 304 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



1 2



		over	Limit	Kead	Antenna	Cable	Preamp		Ant	Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
Mz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	S
4823.900	47.57	-26.43	74.00	45.74	33.06	3.94	35.16	PEAK	100	226	VERTICAL
4824.600	34.51	-19.49	54.00	32.69	33.06	3.94	35.16	AVERAGE	100	226	VERTICAL

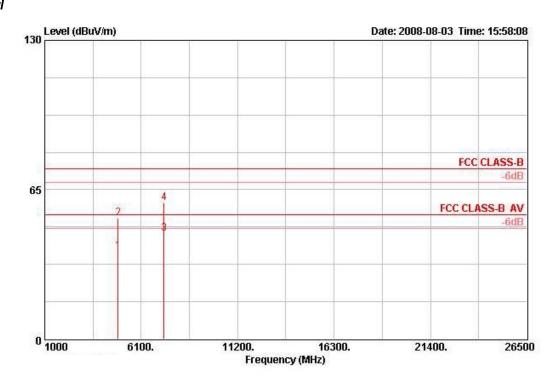
 Report Format Version: 01
 Page No. : 305 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch 6 Ant. 2

Horizontal

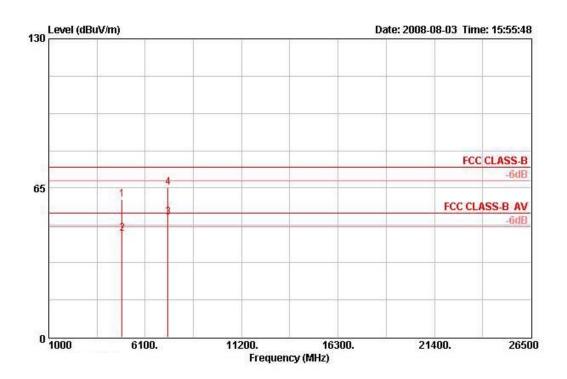


			Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
	MKz	dBuV/m	dВ	dBuV/m	dBuV	dB/m	ав	ф	-	cm	deg	
1	4873.700	38.24	-15.76	54.00	36.28	33.16	3.96	35.15	AVERAGE	118	153	HORIZONTAL
2	4873.900	52.49	-21.51	74.00	50.53	33.16	3.96	35.15	PEAK	118	153	HORIZONTAL
3 @	7315.100	45.80	-8.20	54.00	39.91	35.96	5.12	35.18	AVERAGE	148	156	HORI ZONTAL
4	7317.800	59.23	-14.77	74.00	53.33	35.96	5.12	35.18	PEAK	148	156	HORIZONTAL

 Report Format Version: 01
 Page No. : 306 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



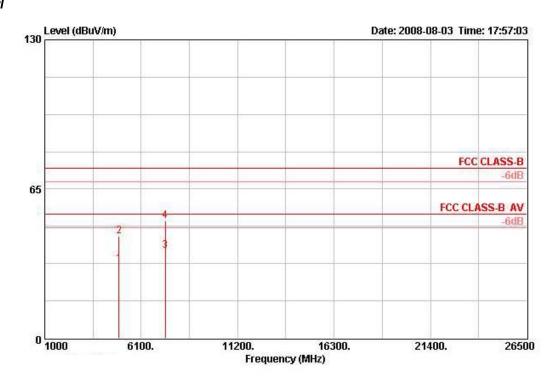


	Freq	Level	Over Limit	Limit Line		Intenna Factor				Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4874.100	59.88	-14.12	74.00	57.92	33.16	3.96	35.15	PEAK	100	230	VERTICAL
2 @	4874.100	45.25	-8.75	54.00	43.29	33.16	3.96	35.15	AVERAGE	100	230	VERTICAL
3 @	7309.700	52.20	-1.80	54.00	46.30	35.96	5.12	35.18	AVERAGE	153	182	VERTICAL
4 @	7310.180	65.27	-8.73	74.00	59.38	35.96	5.12	35.18	PEAK	153	182	VERTICAL



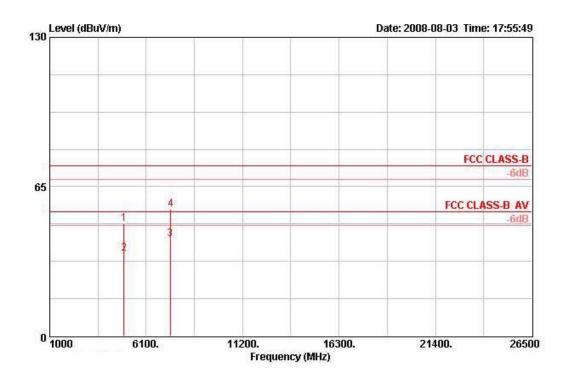
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 20MHz Ch11 Ant. 2

Horizontal



	100 10	0ver			Antenna					Table	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	-
4925.200	32.20	-21.80	54.00	30.10	33.26	3.98	35.14	AVERAGE	104	49	HORIZONTAL
4925.600	44.28	-29.72	74.00	42.18	33.26	3.98	35.14	PEAK	104	49	HORI ZONTAL
7385.600	38.04	-15.96	54.00	31.94	36.09	5.17	35.16	AVERAGE	149	152	HORI ZONTAL
7385 900	51 20	-22 80	74 00	45 10	36 09	5 17	35 16	DEAK	149	152	HORTZONTAL





	Freq	Level	Limit			Antenna Factor				Pos	Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	*
1	4924.100	48.78	-25.22	74.00	46.68	33.26	3.98	35.14	PEAK	100	231	VERTICAL
2	4924.300	36.08	-17.92	54.00	33.98	33.26	3.98	35.14	AVERAGE	100	231	VERTICAL
3 @	7384.400	42.11	-11.89	54.00	36.01	36.09	5.17	35.16	AVERAGE	157	147	VERTICAL
4	7388.600	55.15	-18.85	74.00	49.06	36.09	5.17	35.16	PEAK	157	147	VERTICAL

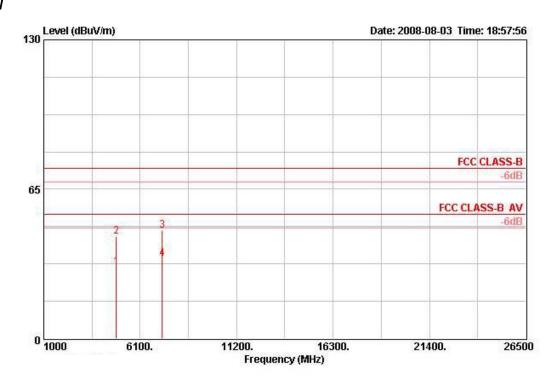
 Report Format Version: 01
 Page No. : 309 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 3 Ant. 2

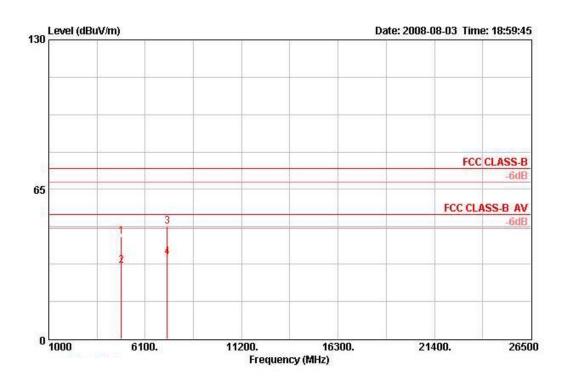
Horizontal



		Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table	
Fre	I Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos	Pol/Phase
м	z dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cm	deg	*
4844.08	0 31.11	-22.89	54.00	29.23	33.09	3.95	35.16	AVERAGE	118	156	HORIZONTAL
4844.28	0 44.40	-29.60	74.00	42.52	33.09	3.95	35.16	PEAK	118	156	HORI ZONTAL
7266.14	0 46.92	-27.08	74.00	41.17	35.85	5.09	35.19	PEAK	146	156	HORI ZONTAL
7266 31	0 34 81	-19 19	54 00	29 07	35.85	5 09	35 19	AVERAGE	146	156	HORT ZONTAL

Issued Date : Sep. 12, 2008





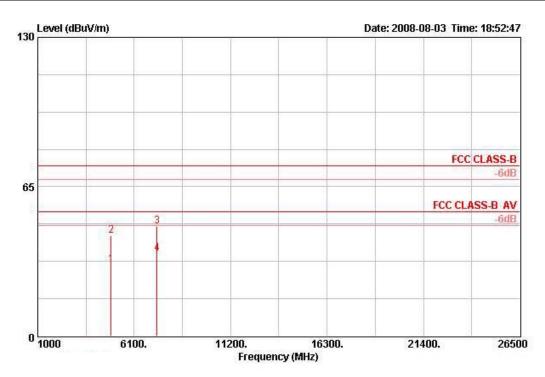
Freq	Level	Uver Limit		707.78	Antenna Factor				Pos	Table	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			deg	
4844.160	44.36	-29.64	74.00	42.48	33.09	3.95	35.16	PEAK	100	231	VERTICAL
4844.430	32.00	-22.00	54.00	30.12	33.09	3.95	35.16	AVERAGE	100	231	VERTICAL
7266.210	48.98	-25.02	74.00	43.23	35.85	5.09	35.19	PEAK	153	179	VERTICAL
7266 500	35 38	-18 62	54 00	29 64	35 85	5 09	35 19	AVERAGE	153	179	VERTICAL.

Issued Date : Sep. 12, 2008



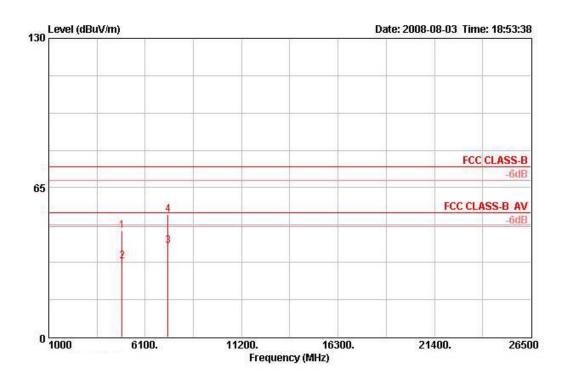
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 6 Ant. 2

Horizontal



Freq	Level		Limit Line		Antenna Factor			Remark	Ant Pos	Table Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	ав	dB			deg	
4874.000	31.25	-22.75	54.00	29.29	33.16	3.96	35.15	AVERAGE	118	182	HORIZONTAL
4874.000	43.85	-30.15	74.00	41.89	33.16	3.96	35.15	PEAK	118	182	HORIZONTAL
7307.800	47.89	-26.11	74.00	41.99	35.96	5.12	35.18	PEAK	144	158	HORIZONTAL
7317.000	35.91	-18.09	54.00	30.02	35.96	5.12	35.18	AVERAGE	144	158	HORIZONTAL



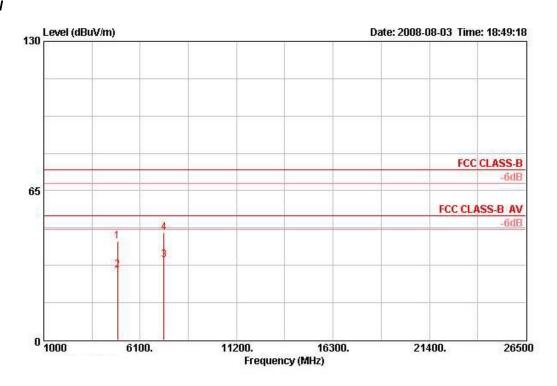


Freq	Level	Limit			Antenna Factor				Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dВ	dB	-		deg	
4874.000	46.25	-27.75	74.00	44.29	33.16	3.96	35.15	PEAK	100	228	VERTICAL
4874.400	32.82	-21.18	54.00	30.86	33.16	3.96	35.15	AVERAGE	100	228	VERTICAL
7303.400	39.46	-14.54	54.00	33.63	35.92	5.10	35.19	AVERAGE	150	207	VERTICAL
7308.200	53.28	-20.72	74.00	47.39	35.96	5.12	35.18	PEAK	150	207	VERTICAL



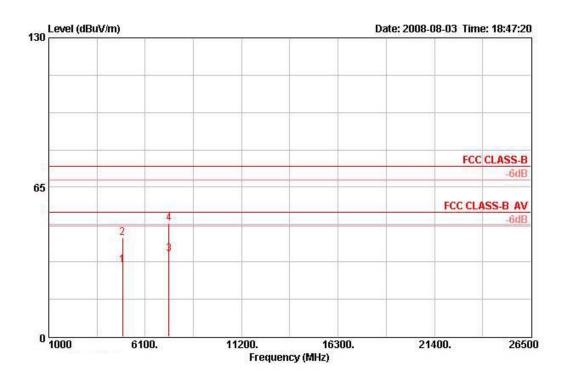
Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	Draft n MCS8 40MHz Ch 9 Ant. 2

Horizontal



Freq	Level		Limit Line		Antenna Factor			Remark	Ant Pos	Table Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg	2
4903.200	43.01	-30.99	74.00	40.99	33.19	3.97	35.15	PEAK	118	140	HORI ZONTAL
4904.400	30.31	-23.69	54.00	28.29	33.19	3.97	35.15	AVERAGE	118	140	HORIZONTAL
7354.000	34.75	-19.25	54.00	28.77	36.02	5.13	35.17	AVERAGE	148	150	HORIZONTAL
7359 600	46 65	-27 35	74 00	40 61	36 06	5 15	35 17	PEAK	148	150	HORTZONTAL





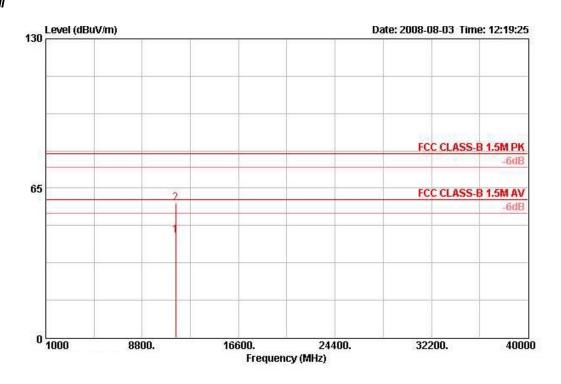
Freq	Level	Limit			Factor				Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dВ	dB	-		deg	
4904.000	31.01	-22.99	54.00	28.99	33.19	3.97	35.15	AVERAGE	100	231	VERTICAL
4904.800	42.90	-31.10	74.00	40.84	33.23	3.97	35.15	PEAK	100	231	VERTICAL
7349.200	36.09	-17.91	54.00	30.10	36.02	5.13	35.17	AVERAGE	153	181	VERTICAL
7361.200	49.16	-24.84	74.00	43.12	36.06	5.15	35.17	PEAK	153	181	VERTICAL



Temperature	24.3°C	Humidity	56%
Test Engineer	Johnson Chang	Configurations	11a Draft n MCS8 20MHz CH 149 Ant. 2

Horizontal

1 2

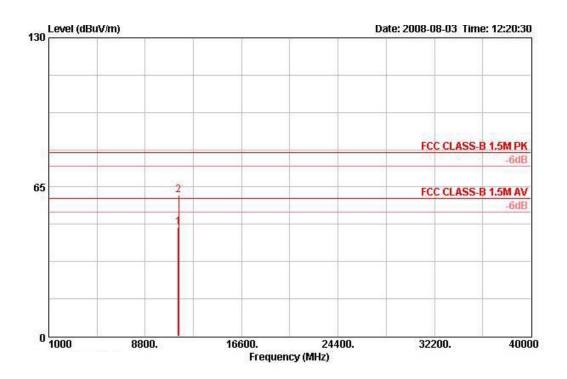


Freq	Level				Factor				Pos	Pos	Pol/Phase
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	cau	deg	9
11489.600	44.63	-15.37	60.00	34.15	38.78	6.68	34.98	AVERAGE	103	218	HORIZONTAL
11490.200	58.61	-21.39	80.00	48.13	38.78	6.68	34.98	PEAK	103	218	HORIZONTAL

 Report Format Version: 01
 Page No. : 316 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008





	Freq	Level		Limit Line						Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	B dB	i — — —	can.	deg	<u> </u>
1 @	11489.200	47.48	-12.52	60.00	37.00	38.78	6.68	34.98	AVERAGE	101	177	VERTICAL
2	11490.000	61.61	-18.39	80.00	51.14	38.78	6.68	34.98	PEAK	101	177	VERTICAL

 Report Format Version: 01
 Page No. : 317 of 522

 FCC ID: AY3-AP36V1B
 Issued Date : Sep. 12, 2008