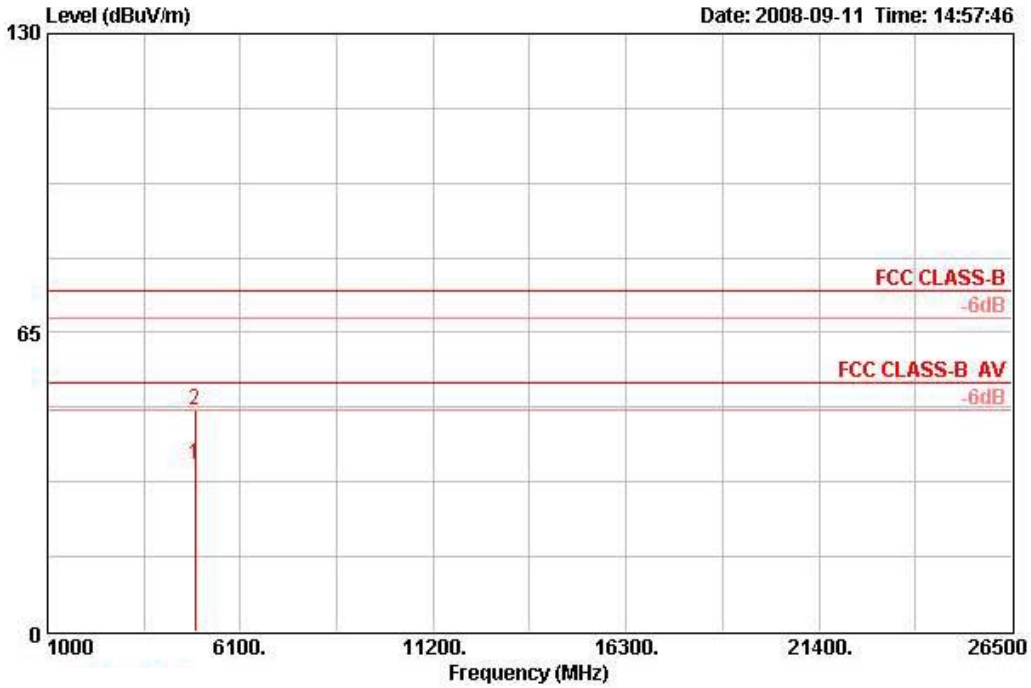
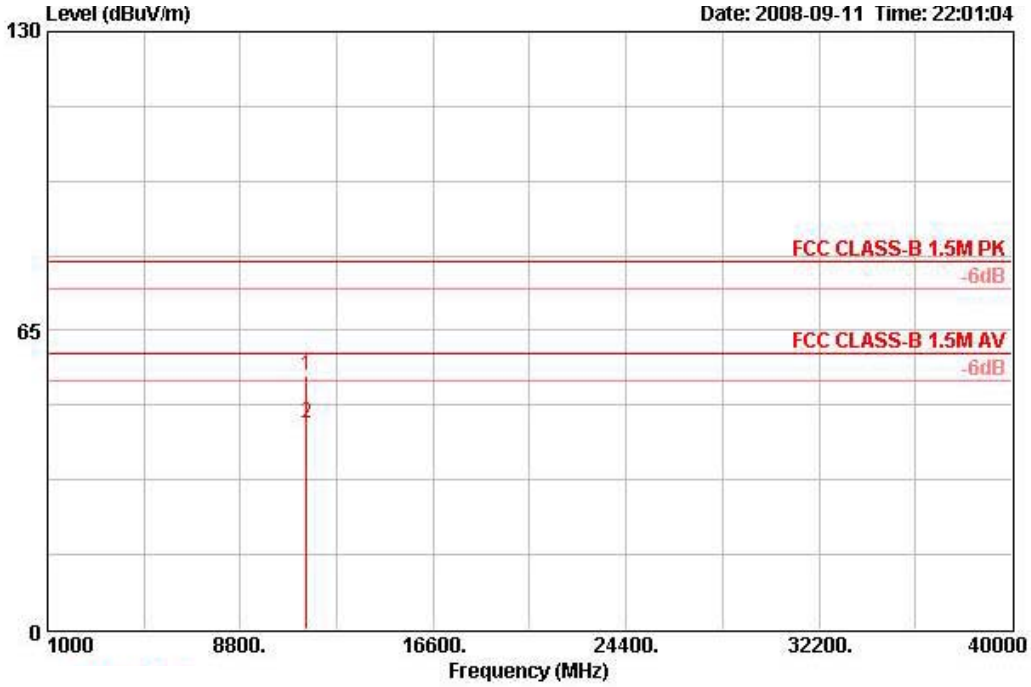
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4904.200	36.46	-17.54	54.00	34.45	33.19	3.97	35.15	AVERAGE	100	281	VERTICAL
2	4904.600	48.15	-25.85	74.00	46.14	33.19	3.97	35.15	PEAK	100	281	VERTICAL

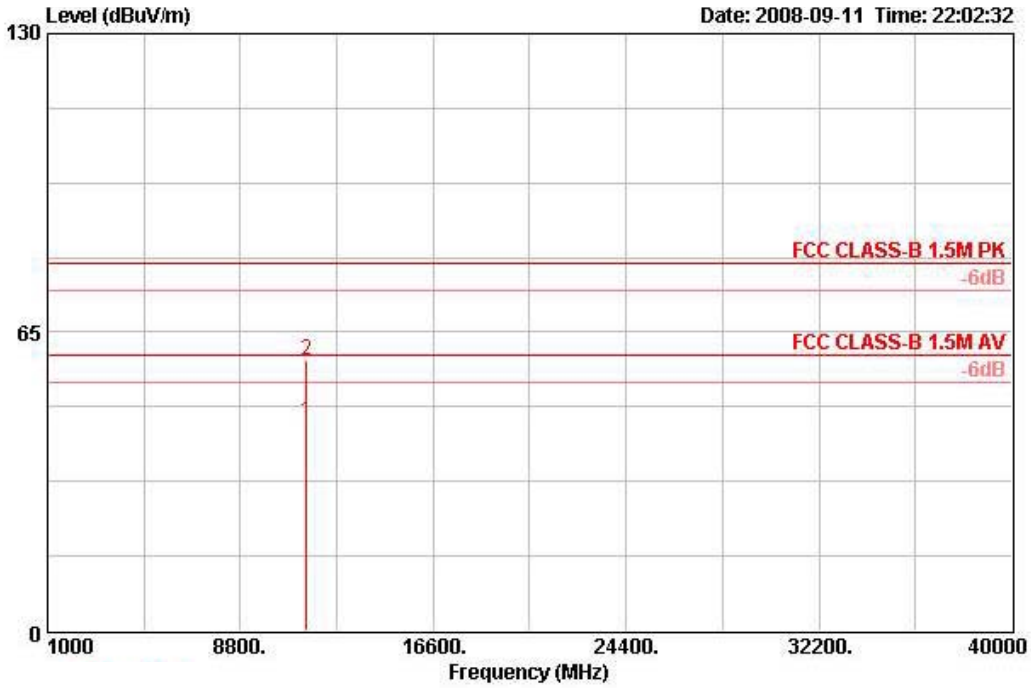
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	11a Draft n MCS0 20MHz CH 149

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11483.500	55.22	-24.78	80.00	44.74	38.78	6.68	34.98	PEAK	125	101	HORIZONTAL
2	11487.300	44.84	-15.16	60.00	34.37	38.78	6.68	34.98	AVERAGE	125	101	HORIZONTAL

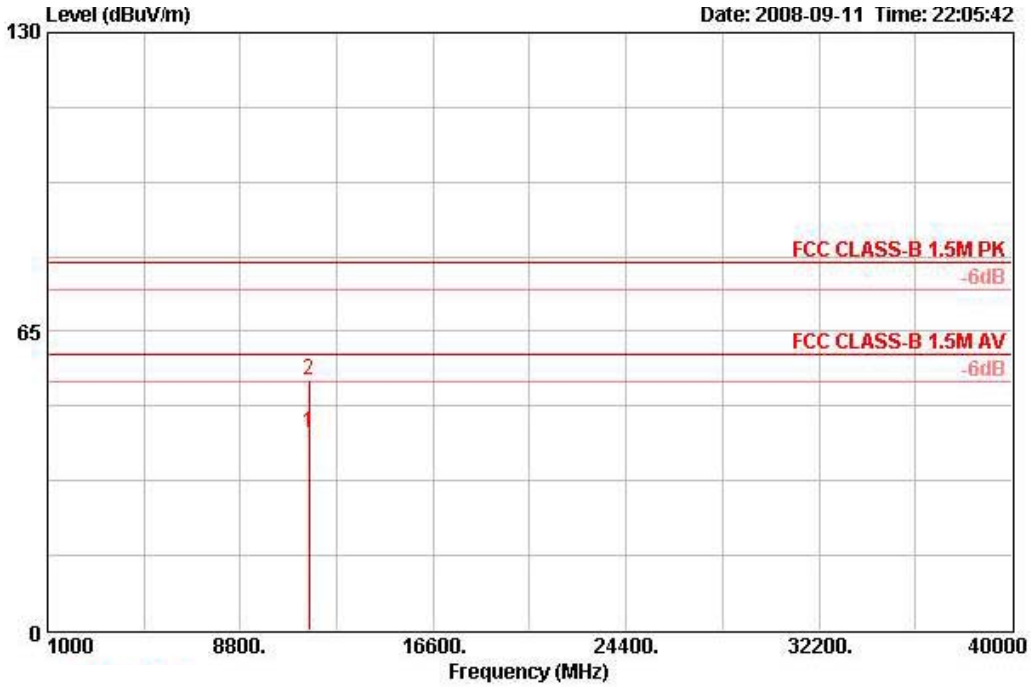
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11485.500	45.67	-14.33	60.00	35.20	38.78	6.68	34.98	AVERAGE	124	288	VERTICAL
2	11486.400	58.80	-21.20	80.00	48.32	38.78	6.68	34.98	PEAK	124	288	VERTICAL

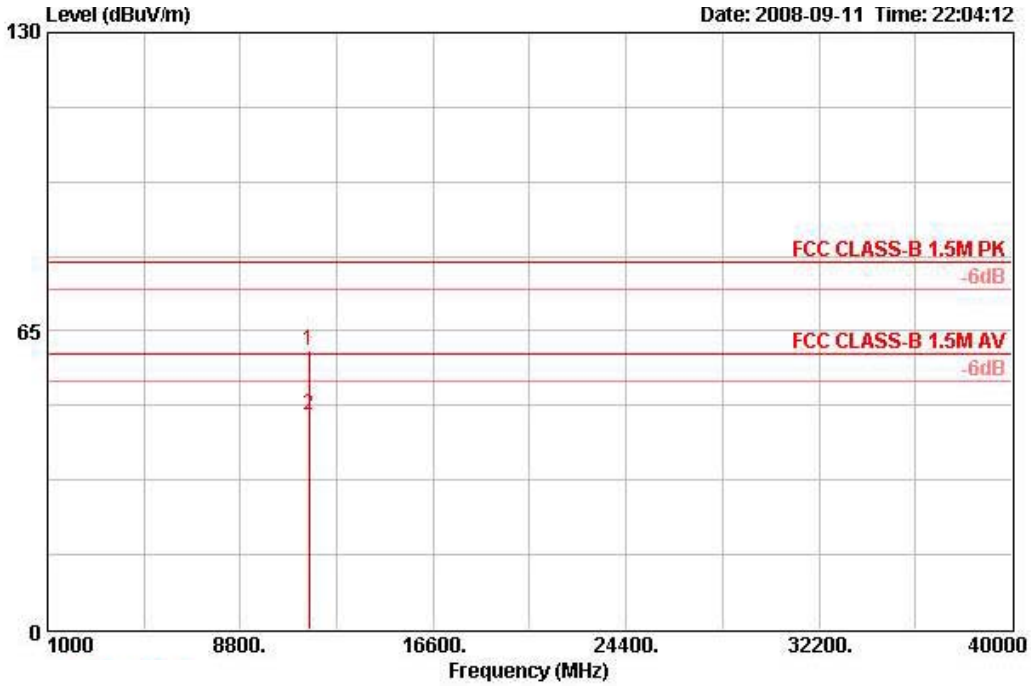
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	11a Draft n MCS0 20MHz CH 157

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11573.200	42.88	-17.12	60.00	32.39	38.83	6.67	35.00	AVERAGE	126	93	HORIZONTAL
2	11573.400	54.53	-25.47	80.00	44.03	38.83	6.67	35.00	PEAK	126	93	HORIZONTAL

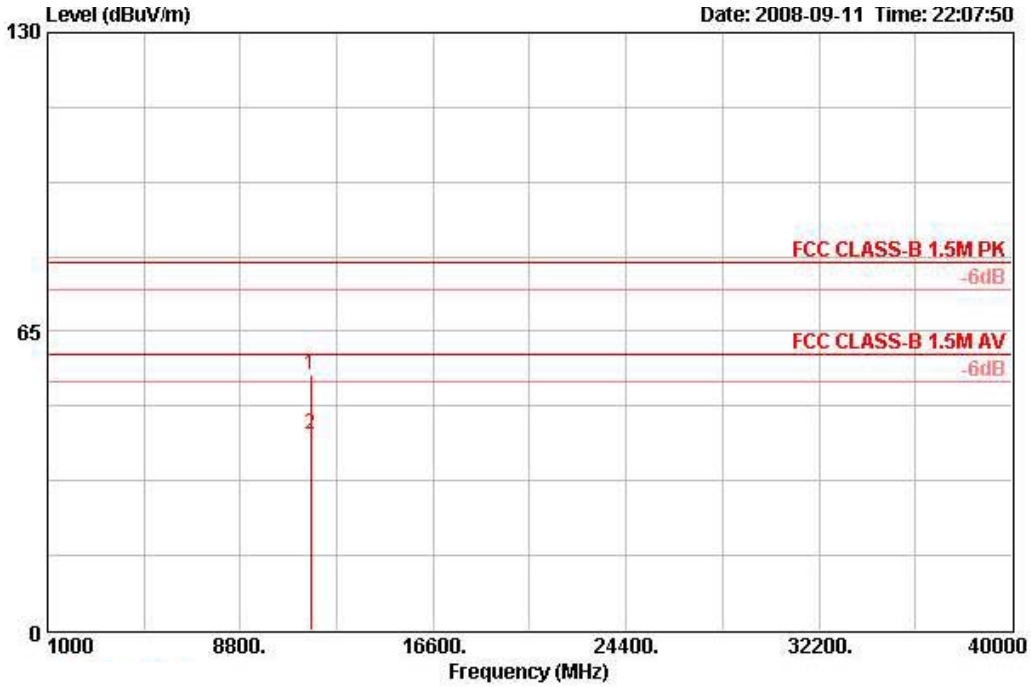
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11575.500	60.64	-19.36	80.00	50.14	38.83	6.67	35.00	PEAK	116	289	VERTICAL
2	11575.900	46.77	-13.23	60.00	36.28	38.83	6.67	35.00	AVERAGE	116	289	VERTICAL

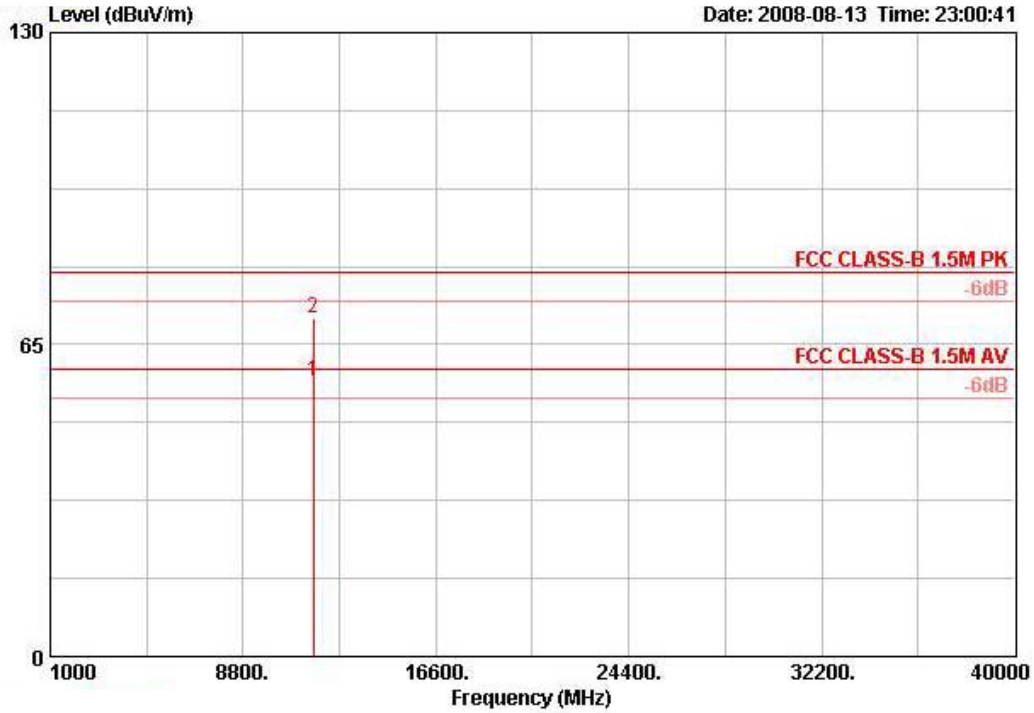
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	11a Draft n MCS0 20MHz CH 165

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11648.800	55.64	-24.36	80.00	45.13	38.86	6.66	35.01	PEAK	130	72	HORIZONTAL
2	11653.200	42.54	-17.46	60.00	32.03	38.86	6.66	35.01	AVERAGE	130	72	HORIZONTAL

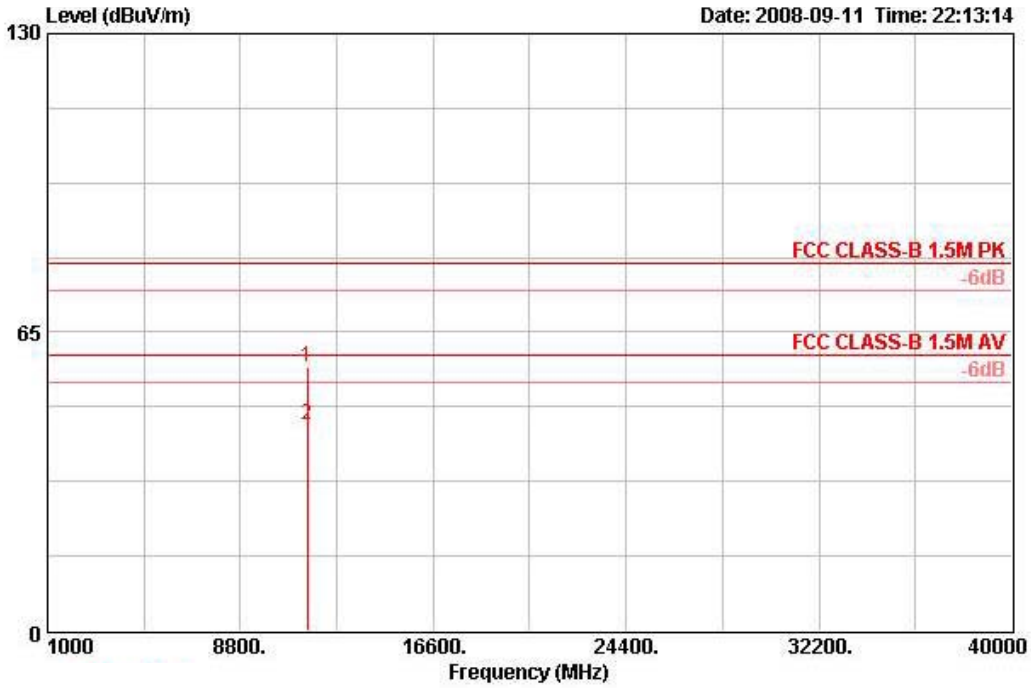
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	11650.440	57.50	-2.50	60.00	48.67	38.53	5.20	34.90	AVERAGE	110	178	VERTICAL
2	11650.880	70.64	-9.36	80.00	61.80	38.53	5.20	34.90	PEAK	110	178	VERTICAL

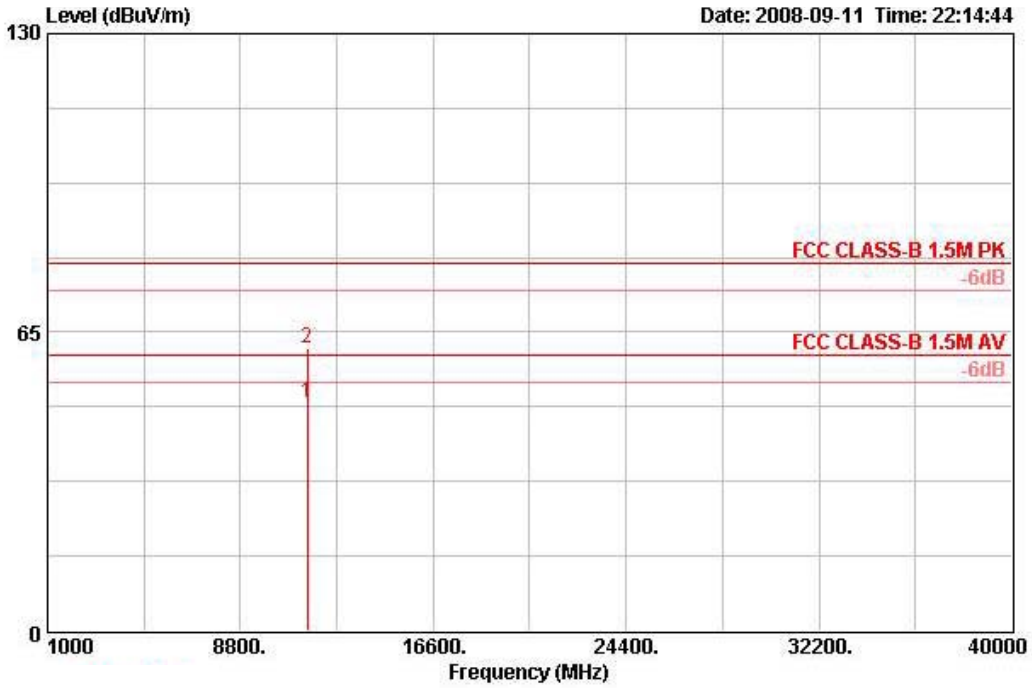
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	11a Draft n MCS0 40MHz CH 151

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11513.100	57.41	-22.59	80.00	46.93	38.79	6.68	35.00	PEAK	125	89	HORIZONTAL
2	11513.300	44.63	-15.37	60.00	34.16	38.79	6.68	35.00	AVERAGE	125	89	HORIZONTAL

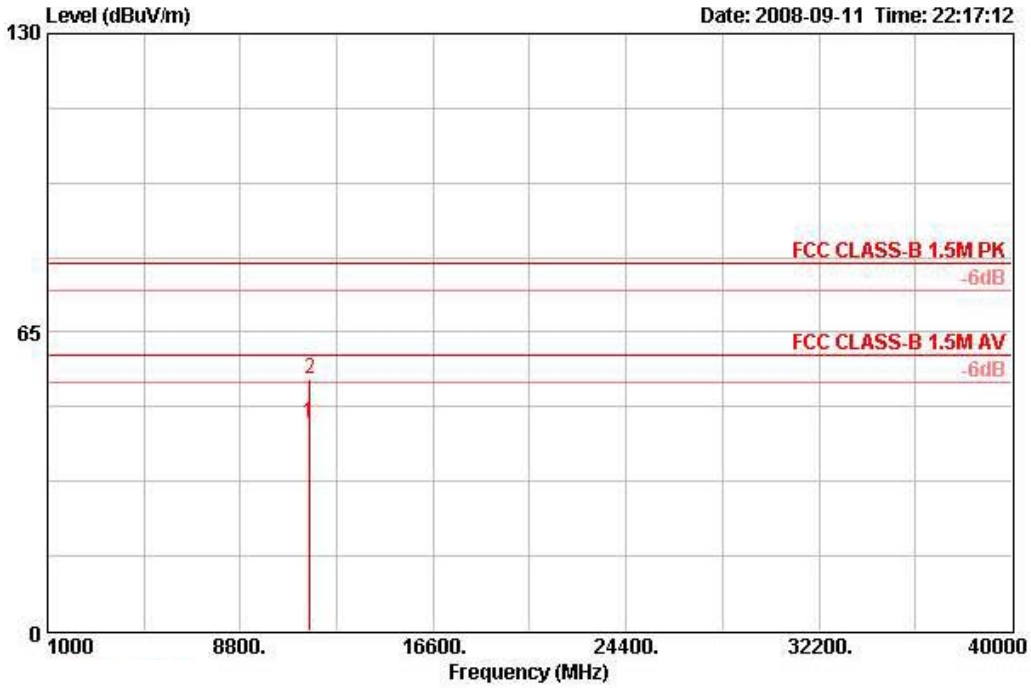
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11510.400	49.80	-10.20	60.00	39.32	38.79	6.68	35.00	AVERAGE	120	285	VERTICAL
2	11516.400	61.44	-18.56	80.00	50.95	38.80	6.68	35.00	PEAK	120	285	VERTICAL

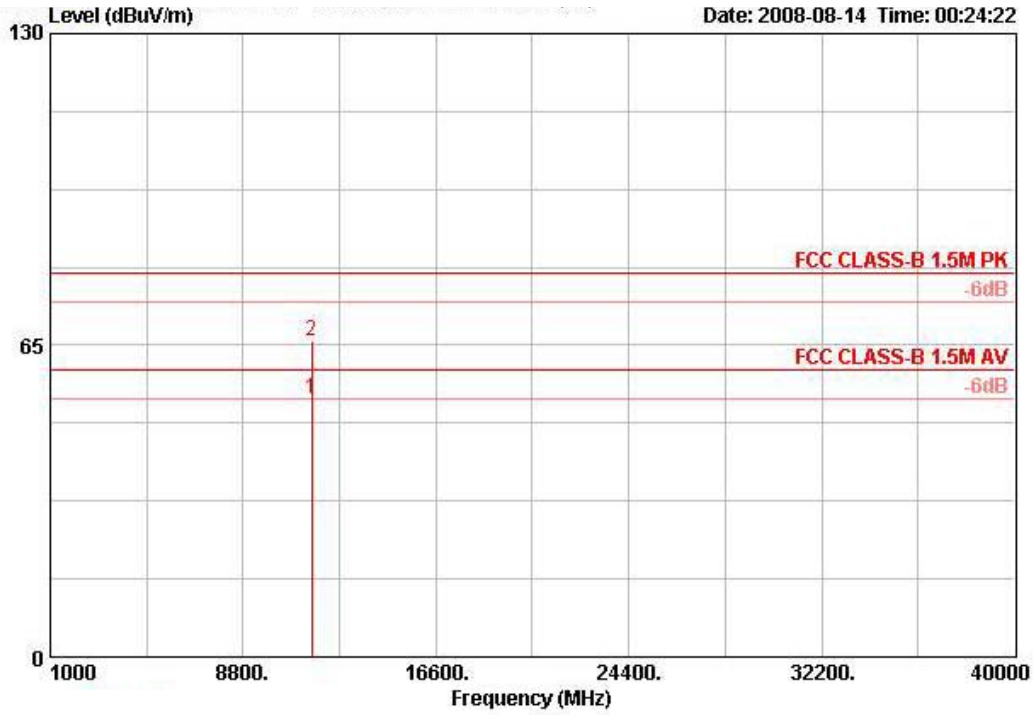
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	11a Draft n MCS0 40MHz CH 159

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11591.200	45.24	-14.76	60.00	34.74	38.83	6.67	35.00	AVERAGE	121	20	HORIZONTAL
2	11596.400	54.67	-25.33	80.00	44.17	38.83	6.67	35.00	PEAK	121	20	HORIZONTAL

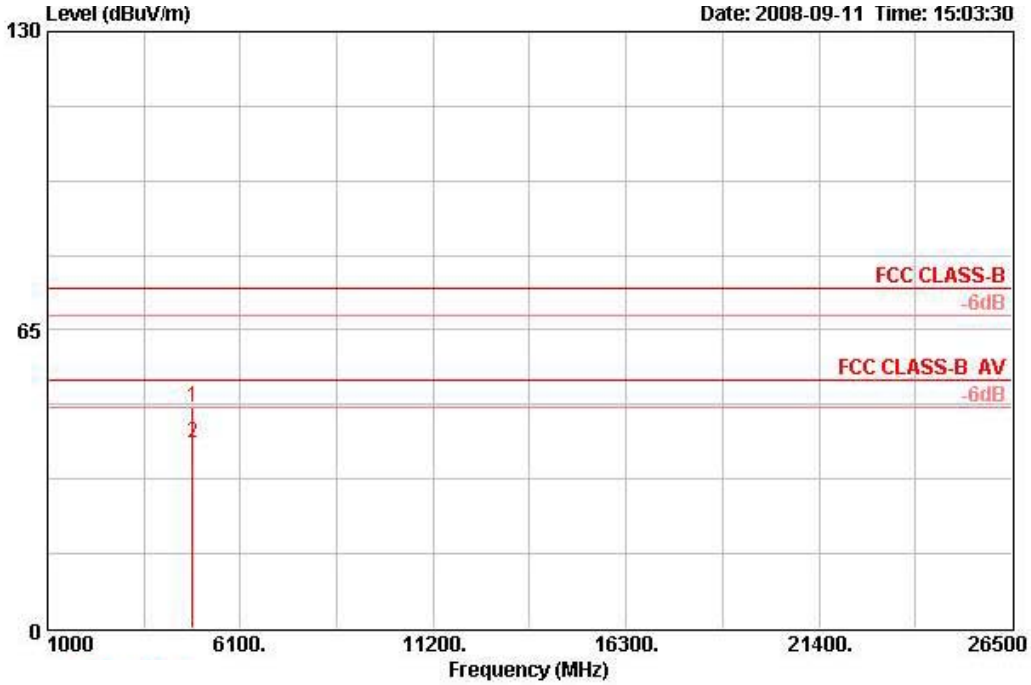
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	11590.140	53.84	-6.16	60.00	44.96	38.52	5.18	34.82	AVERAGE	109	167	VERTICAL
2	11590.800	65.99	-14.01	80.00	57.12	38.52	5.18	34.82	PEAK	109	167	VERTICAL

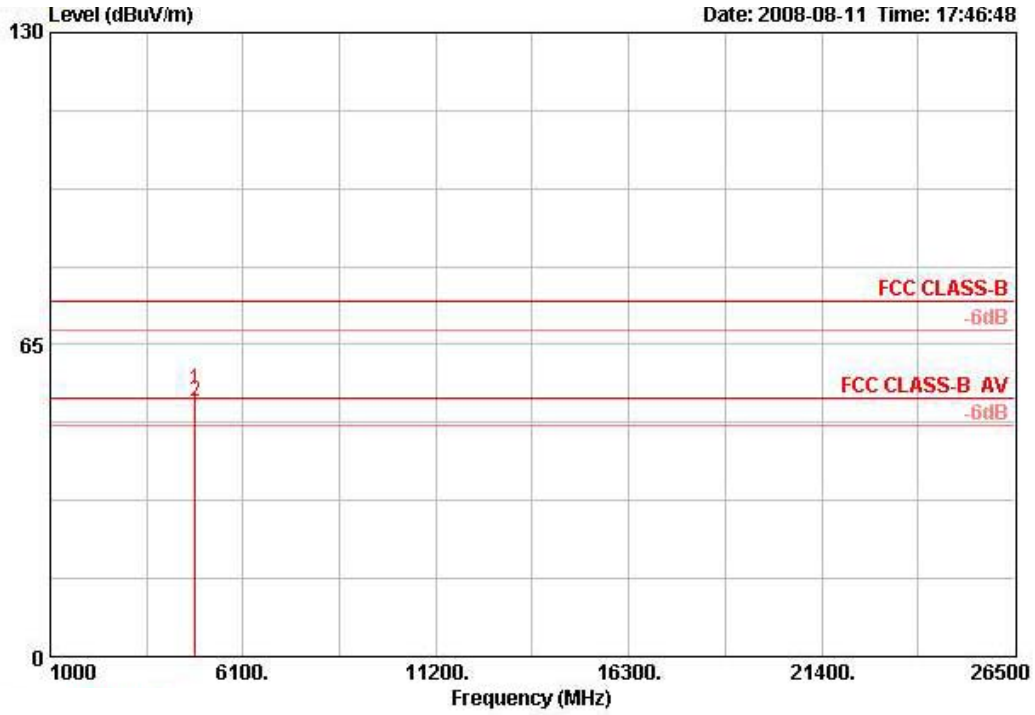
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11b CH 1

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4823.810	48.03	-25.97	74.00	46.20	33.06	3.94	35.16	PEAK	100	89	HORIZONTAL
2	4823.970	40.30	-13.70	54.00	38.47	33.06	3.94	35.16	AVERAGE	100	89	HORIZONTAL

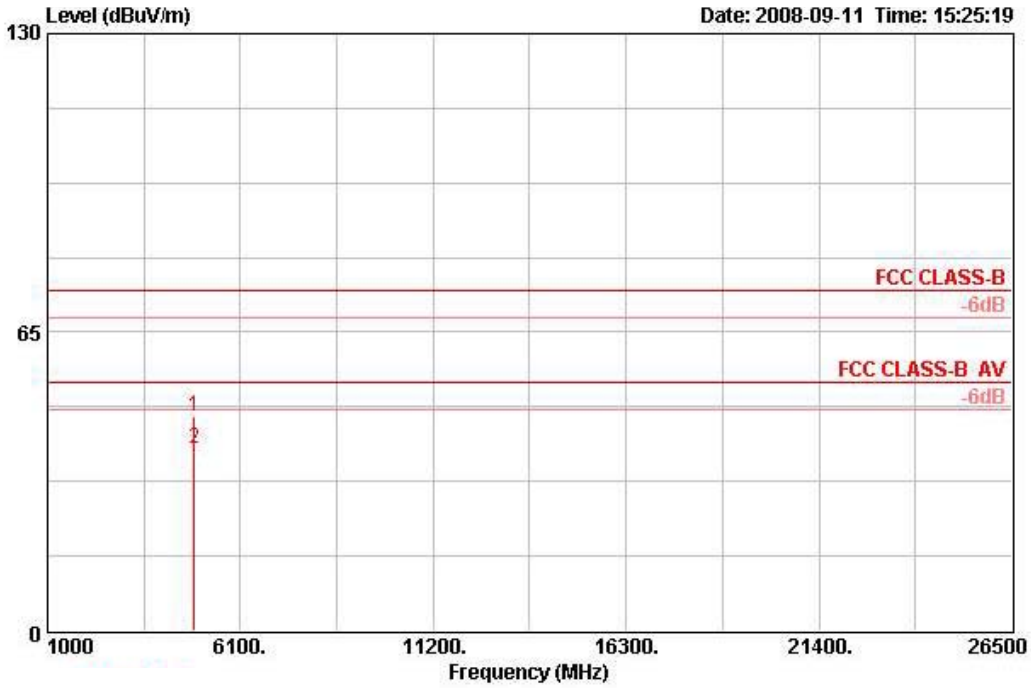
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4823.960	55.72	-18.28	74.00	55.12	32.49	3.37	35.26	PEAK	116	268	VERTICAL
2 @	4823.970	53.24	-0.76	54.00	52.65	32.49	3.37	35.26	AVERAGE	116	268	VERTICAL

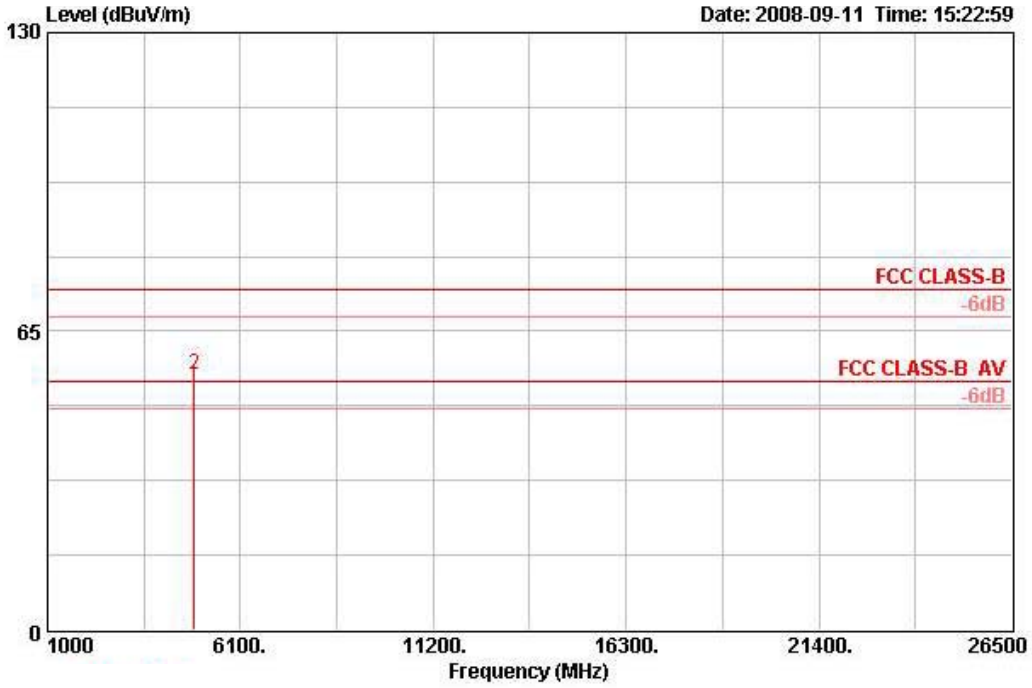
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11b CH 6

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4873.780	46.72	-27.28	74.00	44.76	33.16	3.96	35.15	PEAK	100	88	HORIZONTAL
2	4873.940	39.50	-14.50	54.00	37.53	33.16	3.96	35.15	AVERAGE	100	88	HORIZONTAL

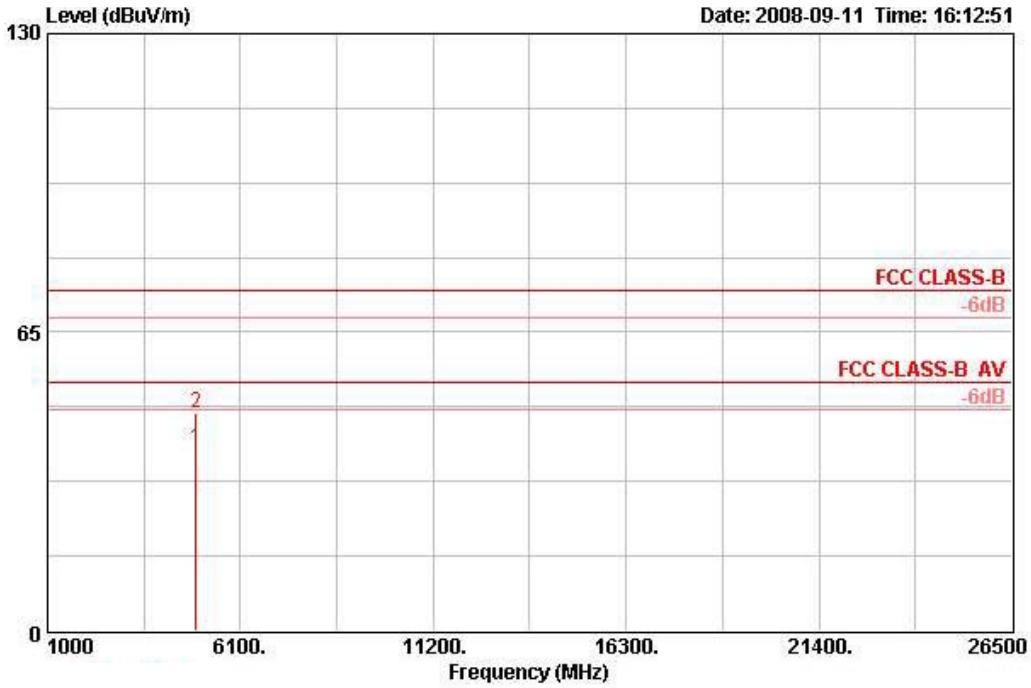
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 !	4873.990	53.23	-0.77	54.00	51.26	33.16	3.96	35.15	AVERAGE	123	103	VERTICAL
2	4874.000	55.51	-18.49	74.00	53.55	33.16	3.96	35.15	PEAK	123	103	VERTICAL

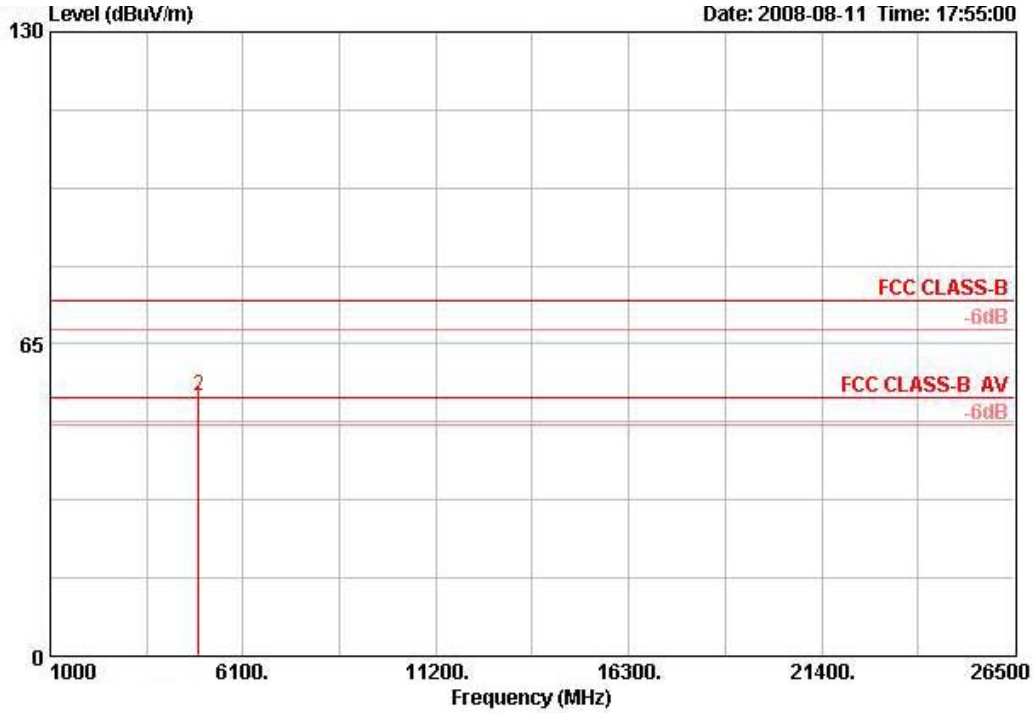
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11b CH 11

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4923.970	39.52	-14.48	54.00	37.42	33.26	3.98	35.14	AVERAGE	100	345	HORIZONTAL
2	4924.140	47.32	-26.68	74.00	45.21	33.26	3.98	35.14	PEAK	100	345	HORIZONTAL

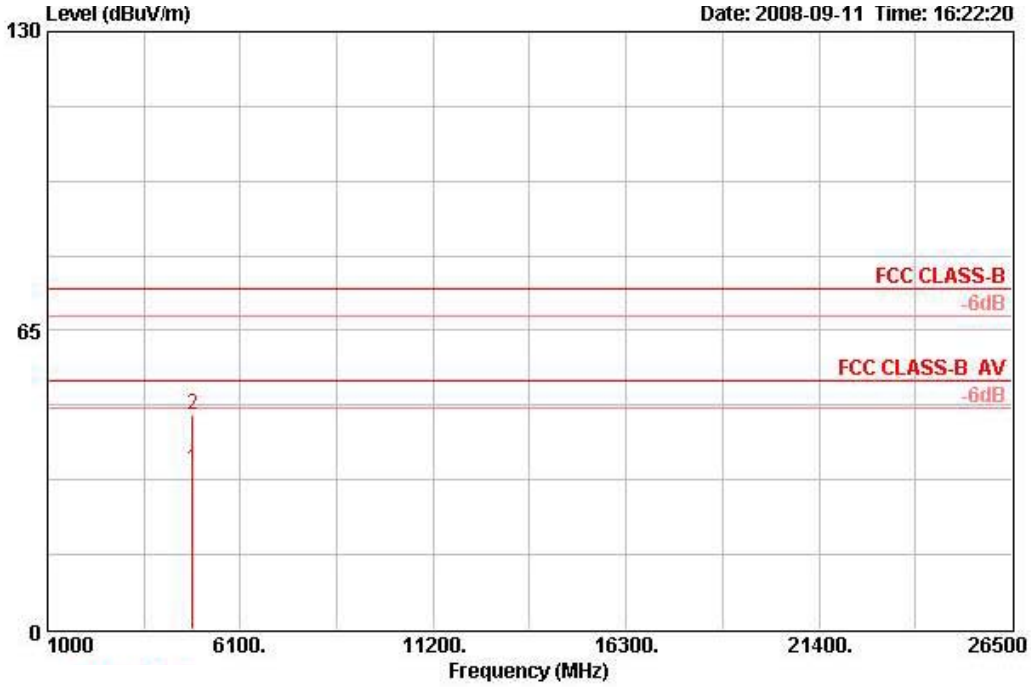
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	4924.010	51.93	-2.07	54.00	50.89	32.68	3.40	35.03	AVERAGE	127	269	VERTICAL
2	4924.010	54.29	-19.71	74.00	53.24	32.68	3.40	35.03	PEAK	127	269	VERTICAL

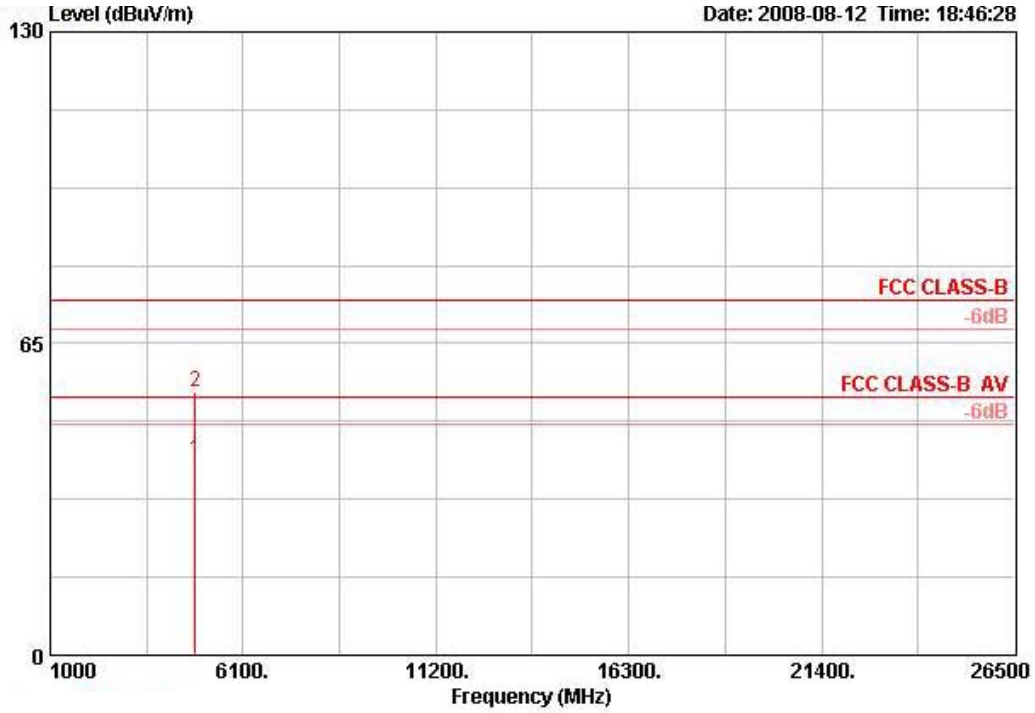
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11g CH 1

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4825.940	34.75	-19.25	54.00	32.92	33.06	3.94	35.16	AVERAGE	100	111	HORIZONTAL
2	4826.260	46.69	-27.31	74.00	44.87	33.06	3.94	35.16	PEAK	100	111	HORIZONTAL

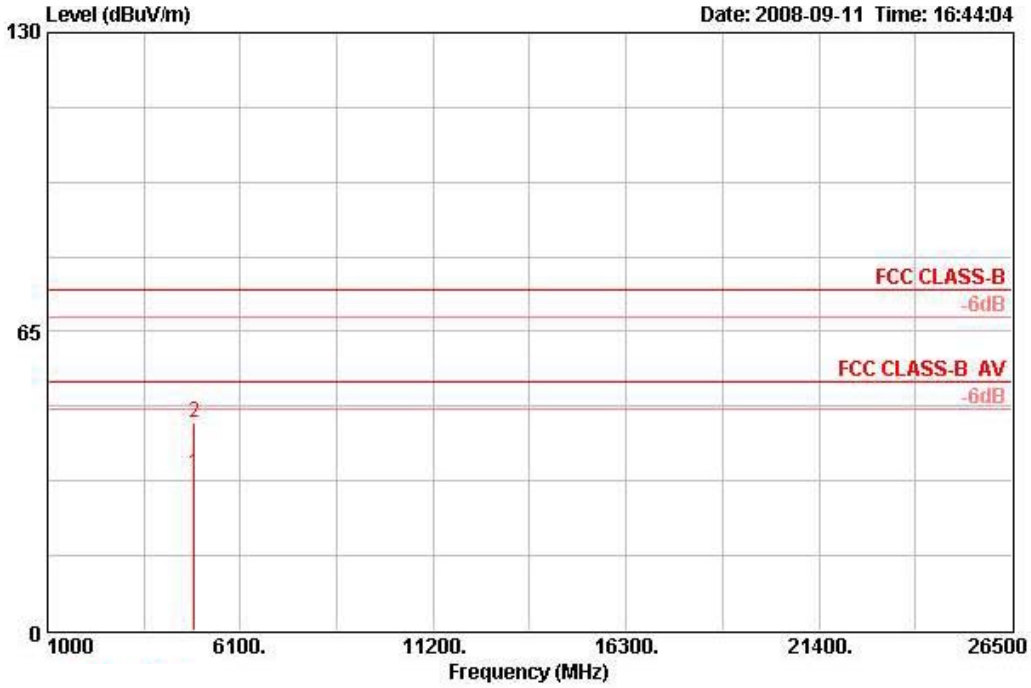
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4824.730	40.62	-13.38	54.00	40.02	32.49	3.37	35.26	AVERAGE	129	284	VERTICAL
2	4825.030	54.81	-19.19	74.00	54.21	32.49	3.37	35.26	PEAK	129	284	VERTICAL

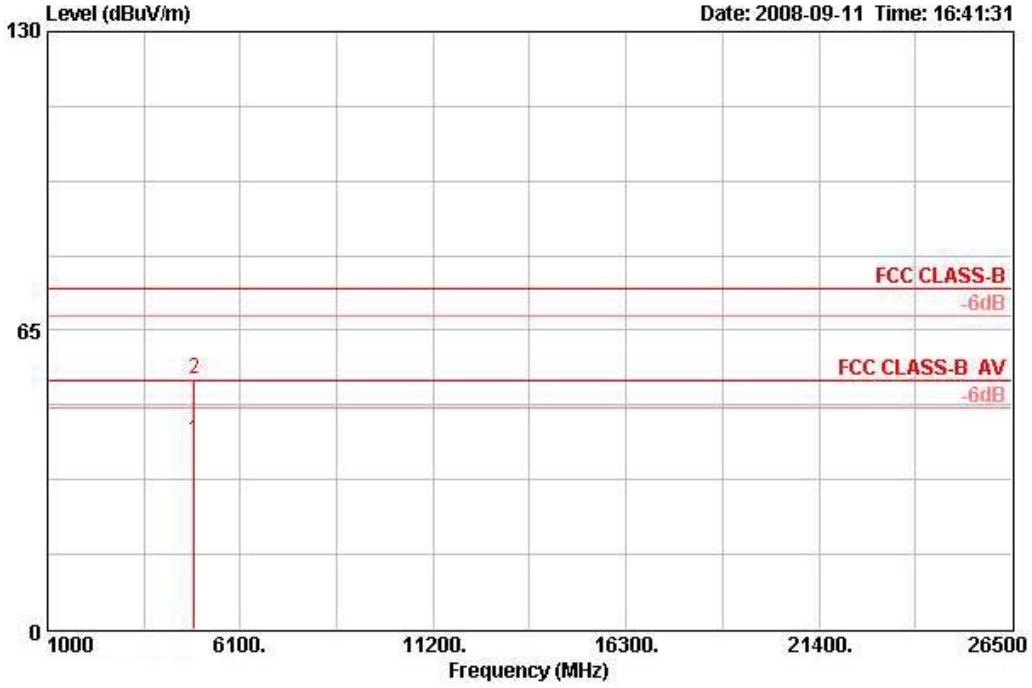
Temperature	24.3℃	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11g CH 6

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4876.160	34.18	-19.82	54.00	32.22	33.16	3.96	35.15	AVERAGE	100	111	HORIZONTAL
2	4876.280	45.28	-28.72	74.00	43.31	33.16	3.96	35.15	PEAK	100	111	HORIZONTAL

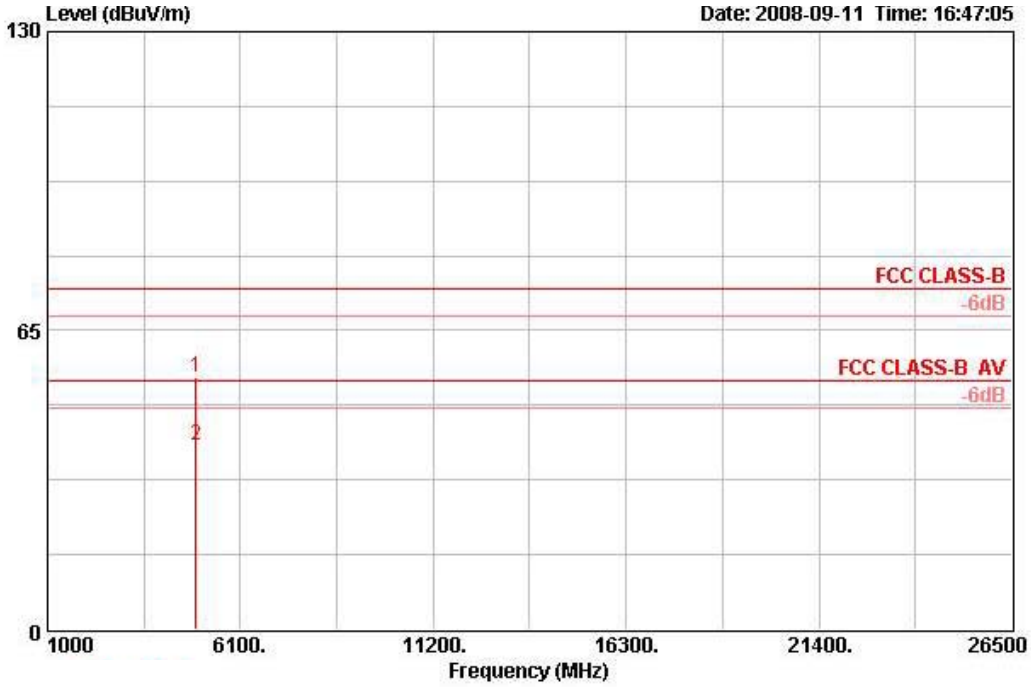
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4874.080	41.26	-12.74	54.00	39.29	33.16	3.96	35.15	AVERAGE	100	301	VERTICAL
2	4874.360	54.36	-19.64	74.00	52.40	33.16	3.96	35.15	PEAK	100	301	VERTICAL

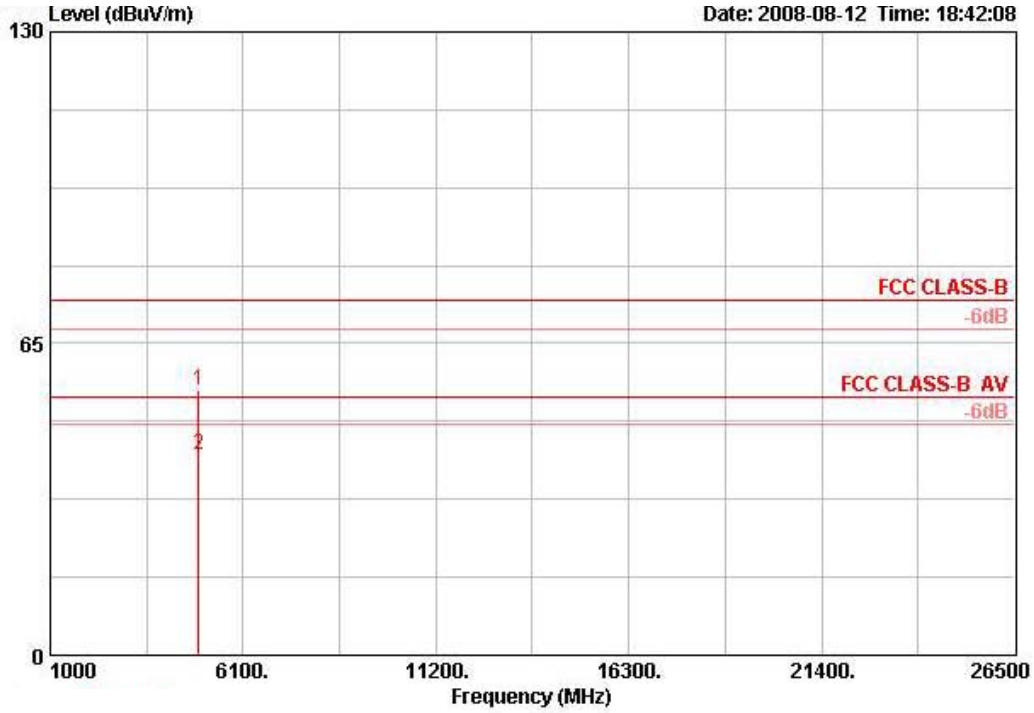
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11g CH 11

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4921.320	54.67	-19.33	74.00	52.60	33.23	3.98	35.14	PEAK	100	102	HORIZONTAL
2	4926.120	40.11	-13.89	54.00	38.00	33.26	3.98	35.14	AVERAGE	100	102	HORIZONTAL

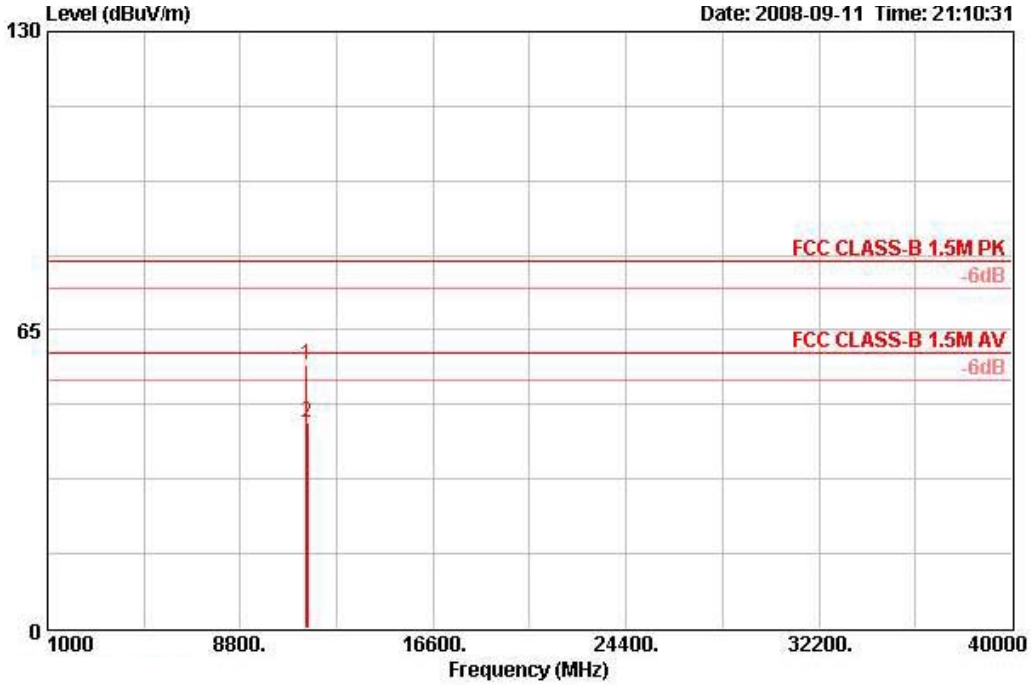
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	4924.090	55.31	-18.69	74.00	54.27	32.68	3.40	35.03	PEAK	126	279	VERTICAL
2	4924.170	41.82	-12.18	54.00	40.78	32.68	3.40	35.03	AVERAGE	126	279	VERTICAL

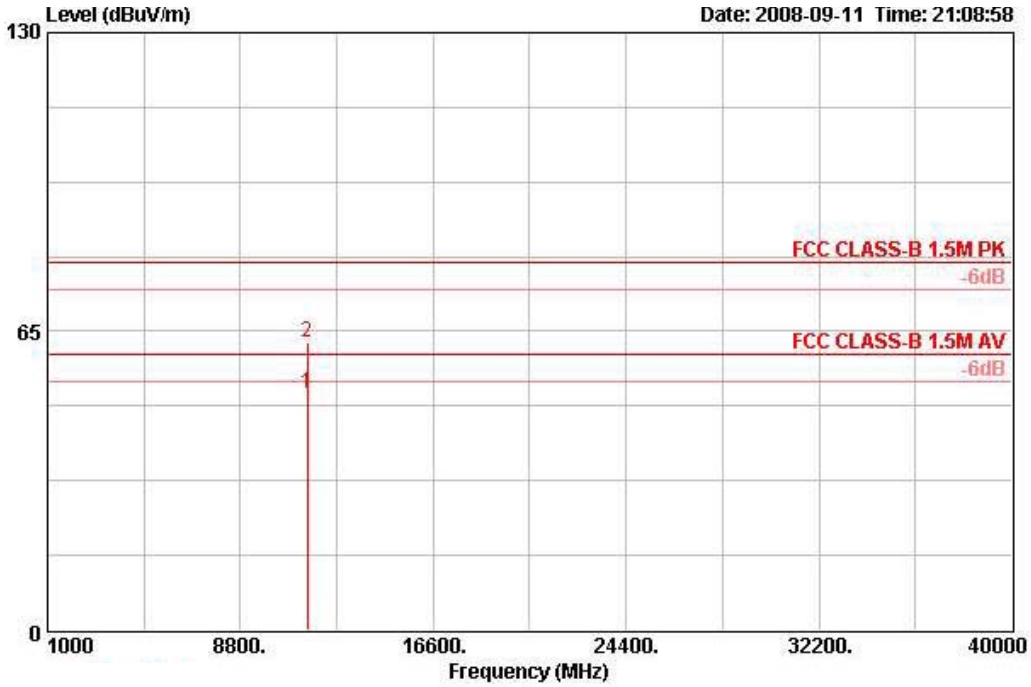
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11a CH 149

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11486.640	57.30	-22.70	80.00	46.82	38.78	6.68	34.98	PEAK	112	47	HORIZONTAL
2	11491.720	44.92	-15.08	60.00	34.44	38.78	6.68	34.98	AVERAGE	112	47	HORIZONTAL

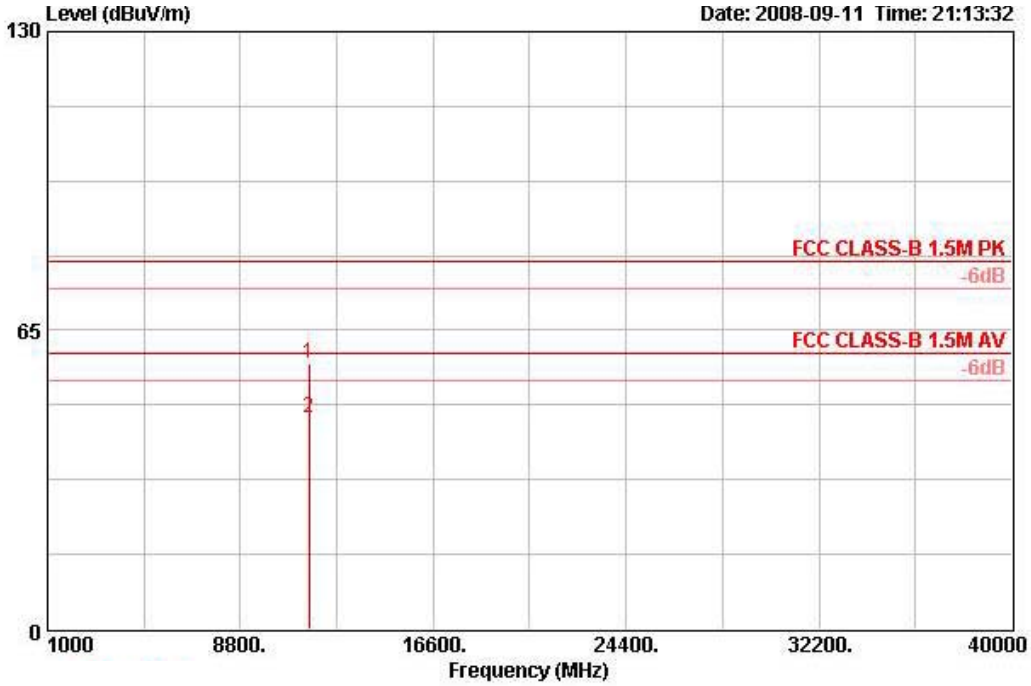
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11490.160	51.66	-8.34	60.00	41.18	38.78	6.68	34.98	AVERAGE	119	289	VERTICAL
2	11490.640	62.65	-17.35	80.00	52.17	38.78	6.68	34.98	PEAK	119	289	VERTICAL

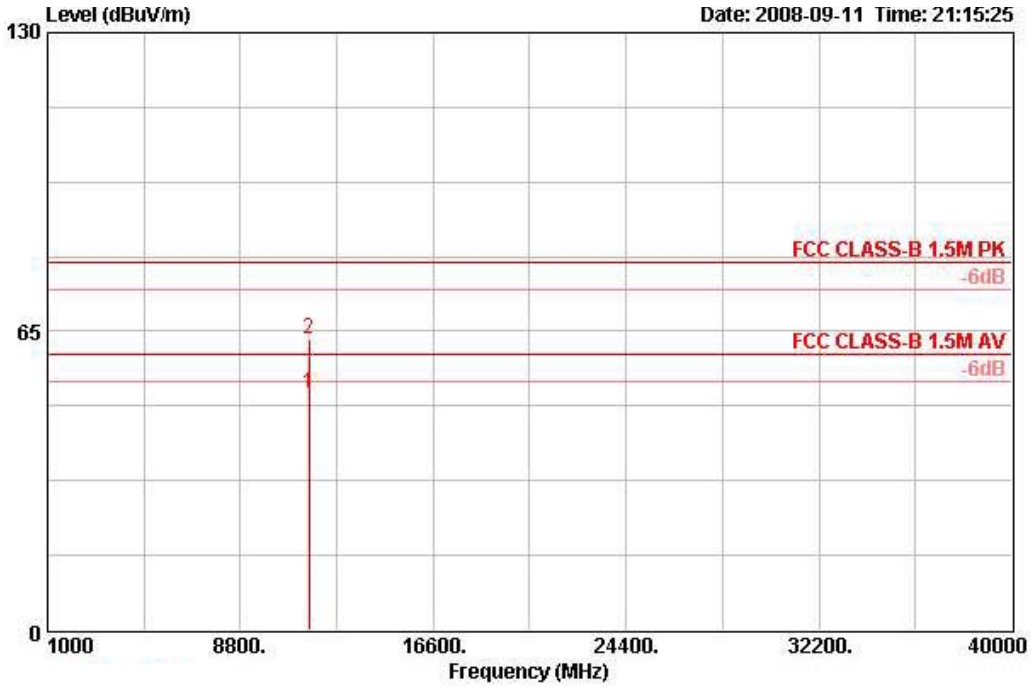
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11a CH 157

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11571.720	57.84	-22.16	80.00	47.34	38.83	6.67	35.00	PEAK	121	44	HORIZONTAL
2	11572.040	46.11	-13.89	60.00	35.61	38.83	6.67	35.00	AVERAGE	121	44	HORIZONTAL

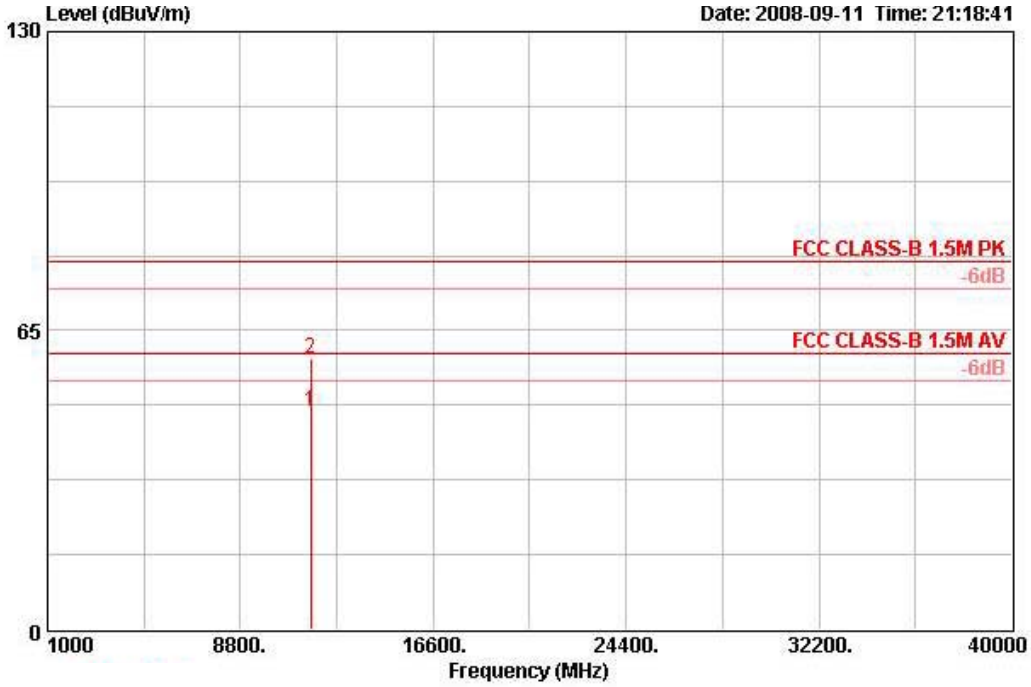
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11570.480	51.66	-8.34	60.00	41.16	38.83	6.67	35.00	AVERAGE	134	286	VERTICAL
2	11571.240	63.39	-16.61	80.00	52.89	38.83	6.67	35.00	PEAK	134	286	VERTICAL

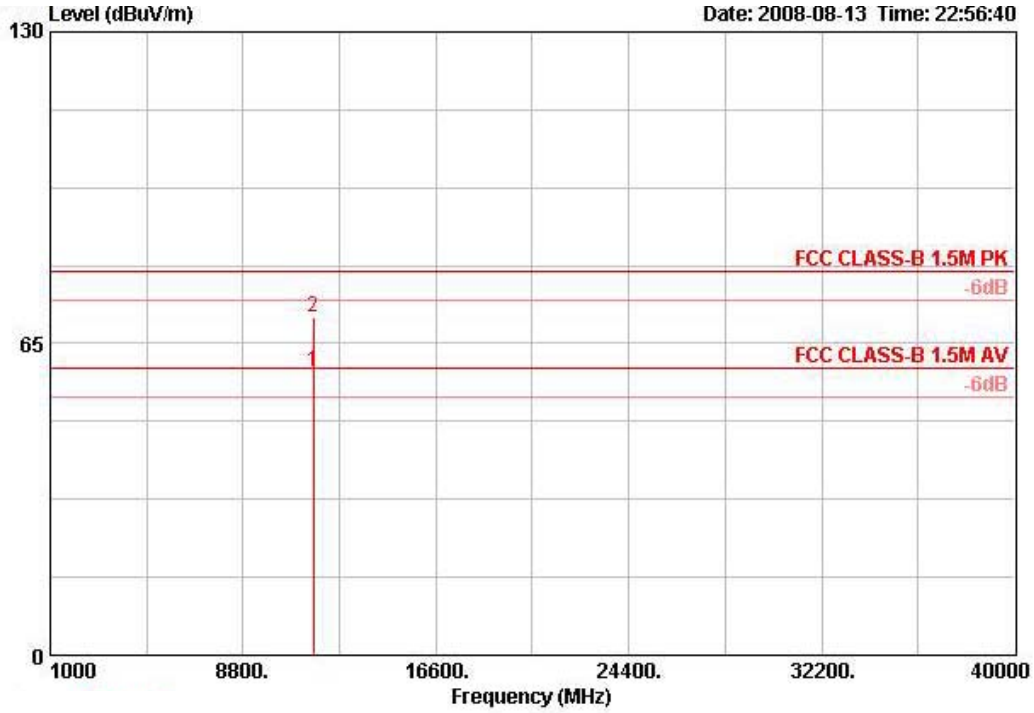
Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11a CH 165

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	11651.300	47.41	-12.59	60.00	36.91	38.86	6.66	35.01	AVERAGE	110	27	HORIZONTAL
2	11652.400	58.74	-21.26	80.00	48.24	38.86	6.66	35.01	PEAK	110	27	HORIZONTAL

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	11649.940	59.08	-0.92	60.00	50.24	38.53	5.20	34.90	AVERAGE	109	177	VERTICAL
2	11650.840	70.52	-9.48	80.00	61.68	38.53	5.20	34.90	PEAK	109	177	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.

4.6. Band Edge Emissions Measurement

4.6.1. 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 (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (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

4.6.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	100 KHz /100 KHz for Peak

4.6.3. Test Procedures

1. The test procedure is the same as section 4.5.3, only the frequency range investigated is limited to 100MHz around bandedges.
2. In case the emission is fail due to the used RB/VB is too wide, marker-delta method of FCC Public Notice DA00-705 will be followed.

4.6.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.5.4.

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	24.3℃	Humidity	56%
Test Engineer	Jacky Ho	Configurations	Draft n MCS0 20MHz Ch 1, 6, 11
Test date	Aug. 11, 2008		

Channel 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2390.000	51.39	-2.61	54.00	21.08	27.94	2.36	0.00	AVERAGE	100	258	VERTICAL
2	2390.000	66.80	-7.20	74.00	36.49	27.94	2.36	0.00	PEAK	100	258	VERTICAL
3 @	2409.400	101.96			71.67	27.92	2.36	0.00	AVERAGE	100	258	VERTICAL
4 @	2414.400	111.13			80.85	27.92	2.36	0.00	PEAK	100	258	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz

Temperature	24.3℃	Humidity	56%
Test Engineer	Jacky Ho	Configurations	Draft n MCS0 20MHz Ch 1, 6, 11
Test date	Sep. 11, 2008		

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	2389.400	59.46	-14.54	74.00	28.57	28.17	2.71	0.00	PEAK	100	24	VERTICAL
2	2390.000	47.94	-6.06	54.00	17.05	28.17	2.71	0.00	AVERAGE	100	24	VERTICAL
3 @	2435.800	103.55			72.52	28.29	2.74	0.00	AVERAGE	100	24	VERTICAL
4 over	2435.800	112.56			81.53	28.29	2.74	0.00	PEAK	100	24	VERTICAL
5 !	2483.500	48.44	-5.56	54.00	17.29	28.37	2.77	0.00	AVERAGE	100	24	VERTICAL
6	2484.100	59.91	-14.09	74.00	28.76	28.37	2.77	0.00	PEAK	100	24	VERTICAL

Item 3, 4 are the fundamental frequency at 2437MHz.

Temperature	24.3℃	Humidity	56%
Test Engineer	Jacky Ho	Configurations	Draft n MCS0 20MHz Ch 1, 6, 11
Test date	Aug. 11, 2008		

Channel 11

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2463.400	99.40			69.15	27.85	2.40	0.00	AVERAGE	100	283	VERTICAL
2 @	2463.800	108.77			78.52	27.85	2.40	0.00	PEAK	100	283	VERTICAL
3 @	2482.500	50.60	-3.40	54.00	20.37	27.82	2.41	0.00	AVERAGE	100	283	VERTICAL
4	2483.700	63.83	-10.17	74.00	33.59	27.82	2.41	0.00	PEAK	100	283	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	Draft n MCS0 40MHz Ch 3, 6, 9
Test date	Aug. 11, 2008		

Channel 3

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	2389.600	66.12	-7.88	74.00	35.83	27.94	2.35	0.00	PEAK	100	258	VERTICAL
2 @	2390.000	53.96	-0.04	54.00	23.65	27.94	2.36	0.00	AVERAGE	100	258	VERTICAL
3 @	2409.600	108.33			78.05	27.92	2.36	0.00	PEAK	100	258	VERTICAL
4 @	2409.600	99.18			68.89	27.92	2.36	0.00	AVERAGE	100	258	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	Draft n MCS0 40MHz Ch 3, 6, 9
Test date	Aug. 11, 2008		

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2388.400	50.20	-3.80	54.00	19.91	27.94	2.35	0.00	AVERAGE	100	38	VERTICAL
2	2388.800	62.39	-11.61	74.00	32.09	27.94	2.35	0.00	PEAK	100	38	VERTICAL
3 @	2429.800	105.80			75.52	27.90	2.38	0.00	PEAK	100	38	VERTICAL
4 @	2439.400	96.76			66.51	27.87	2.38	0.00	AVERAGE	100	38	VERTICAL
5	2484.700	46.50	-7.50	54.00	16.26	27.82	2.41	0.00	AVERAGE	100	38	VERTICAL
6	2487.100	58.71	-15.29	74.00	28.47	27.82	2.41	0.00	PEAK	100	38	VERTICAL

Item 3, 4 are the fundamental frequency at 2437MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	Draft n MCS0 40MHz Ch 3, 6, 9
Test date	Sep. 11, 2008		

Channel 9

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 over	2440.000	106.39			75.36	28.29	2.74	0.00	PEAK	100	12	VERTICAL
2 @	2440.000	98.60			67.57	28.29	2.74	0.00	AVERAGE	100	12	VERTICAL
3 !	2483.900	53.93	-0.07	54.00	22.79	28.37	2.77	0.00	AVERAGE	100	12	VERTICAL
4	2485.100	65.70	-8.30	74.00	34.51	28.41	2.77	0.00	PEAK	100	12	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11b CH 1, 6, 11
Test Date	Aug. 11, 2008		

Channel 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	2385.200	62.14	-11.86	74.00	31.82	27.97	2.35	0.00	PEAK	100	36	VERTICAL
2 @	2386.000	51.27	-2.73	54.00	20.98	27.94	2.35	0.00	AVERAGE	100	36	VERTICAL
3 @	2411.200	103.18			72.89	27.92	2.36	0.00	AVERAGE	100	36	VERTICAL
4 @	2413.200	106.93			76.64	27.92	2.36	0.00	PEAK	100	36	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11b CH 1, 6, 11
Test Date	Sep. 11, 2008		

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	2389.400	58.96	-15.04	74.00	28.08	28.17	2.71	0.00	PEAK	100	25	VERTICAL
2	2390.000	47.27	-6.73	54.00	16.39	28.17	2.71	0.00	AVERAGE	100	25	VERTICAL
3 @	2436.200	106.24			75.21	28.29	2.74	0.00	AVERAGE	100	25	VERTICAL
4 over	2438.200	110.17			79.14	28.29	2.74	0.00	PEAK	100	25	VERTICAL
5 !	2483.500	48.32	-5.68	54.00	17.18	28.37	2.77	0.00	AVERAGE	100	25	VERTICAL
6	2485.100	60.11	-13.89	74.00	28.93	28.41	2.77	0.00	PEAK	100	25	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11b CH 1, 6, 11
Test Date	Aug. 11, 2008		

Channel 11

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2461.200	105.29			75.04	27.85	2.40	0.00	AVERAGE	146	83	VERTICAL
2 @	2462.600	113.31			83.06	27.85	2.40	0.00	PEAK	146	83	VERTICAL
3	2486.200	63.60	-10.40	74.00	33.37	27.82	2.41	0.00	PEAK	146	83	VERTICAL
4 @	2488.000	52.68	-1.32	54.00	22.47	27.80	2.41	0.00	AVERAGE	146	83	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11g CH 1, 6, 11
Test Date	Aug. 11, 2008		

Channel 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2389.400	50.66	-3.34	54.00	20.37	27.94	2.35	0.00	AVERAGE	100	36	VERTICAL
2	2389.600	63.01	-10.99	74.00	32.71	27.94	2.35	0.00	PEAK	100	36	VERTICAL
3 @	2409.200	101.37			71.09	27.92	2.36	0.00	AVERAGE	100	36	VERTICAL
4 @	2414.200	107.93			77.64	27.92	2.36	0.00	PEAK	100	36	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11g CH 1, 6, 11
Test Date	Sep. 11, 2008		

Channel 6

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1	2389.000	61.09	-12.91	74.00	30.20	28.17	2.71	0.00	PEAK	99	130	VERTICAL
2 !	2390.000	48.75	-5.25	54.00	17.87	28.17	2.71	0.00	AVERAGE	99	130	VERTICAL
3 over	2434.600	108.21			77.18	28.29	2.74	0.00	PEAK	99	130	VERTICAL
4 @	2435.000	99.12			68.09	28.29	2.74	0.00	AVERAGE	99	130	VERTICAL
5 !	2483.500	48.33	-5.67	54.00	17.19	28.37	2.77	0.00	AVERAGE	99	130	VERTICAL
6	2485.500	59.71	-14.29	74.00	28.52	28.41	2.77	0.00	PEAK	99	130	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Temperature	24.3°C	Humidity	56%
Test Engineer	Jacky Ho	Configurations	802.11g CH 1, 6, 11
Test Date	Aug. 11, 2008		

Channel 11

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos	Pol/Phase
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg	
1 @	2456.600	109.89			79.65	27.85	2.40	0.00	PEAK	146	86	VERTICAL
2 @	2461.000	104.00			73.75	27.85	2.40	0.00	AVERAGE	146	86	VERTICAL
3	2484.700	64.82	-9.18	74.00	34.58	27.82	2.41	0.00	PEAK	146	86	VERTICAL
4 @	2485.300	52.06	-1.94	54.00	21.83	27.82	2.41	0.00	AVERAGE	146	86	VERTICAL

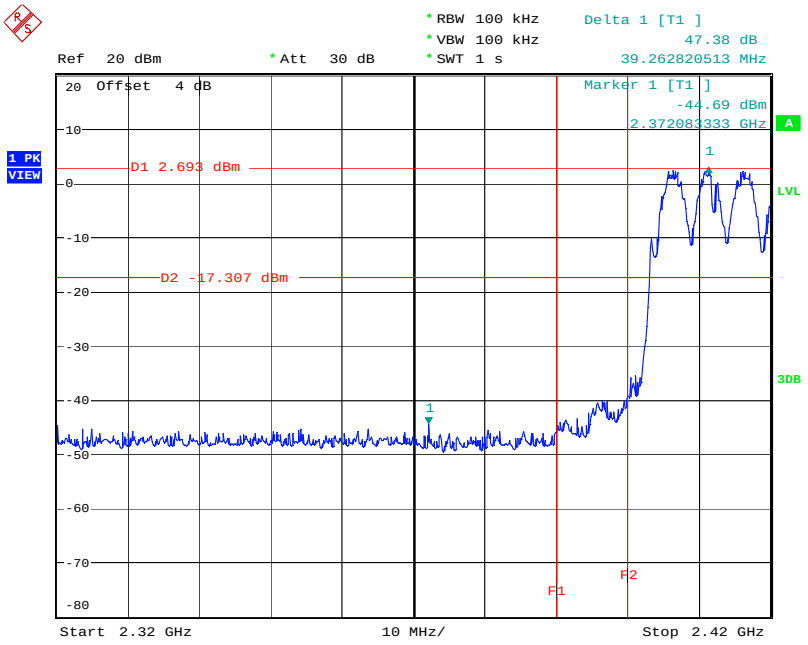
Item1, 2 are the fundamental frequency at 2462 MHz.

Note: Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

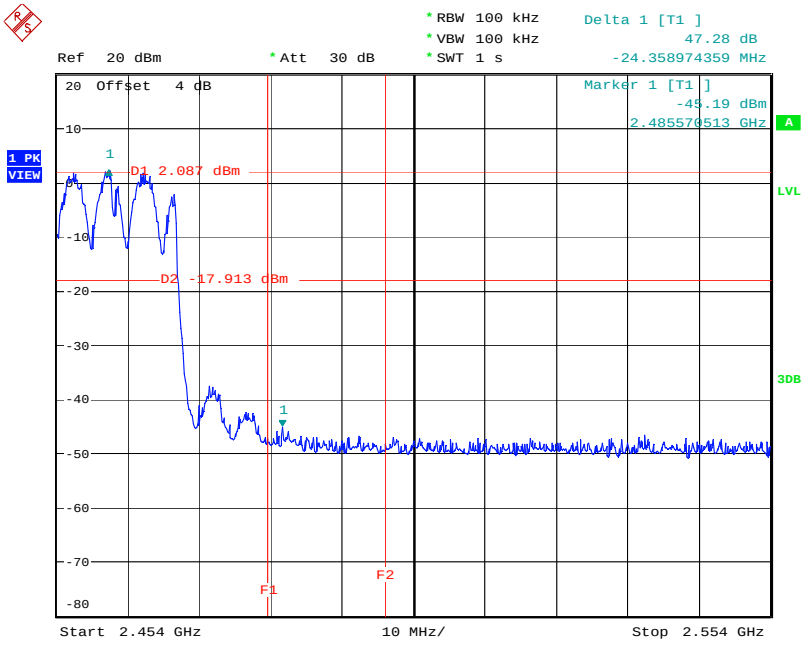
For Emission not in Restricted Band

Low Band Edge Plot on Configuration Draft n MCS0 20MHz Ant. 1 + Ant. 3 / 2412 MHz



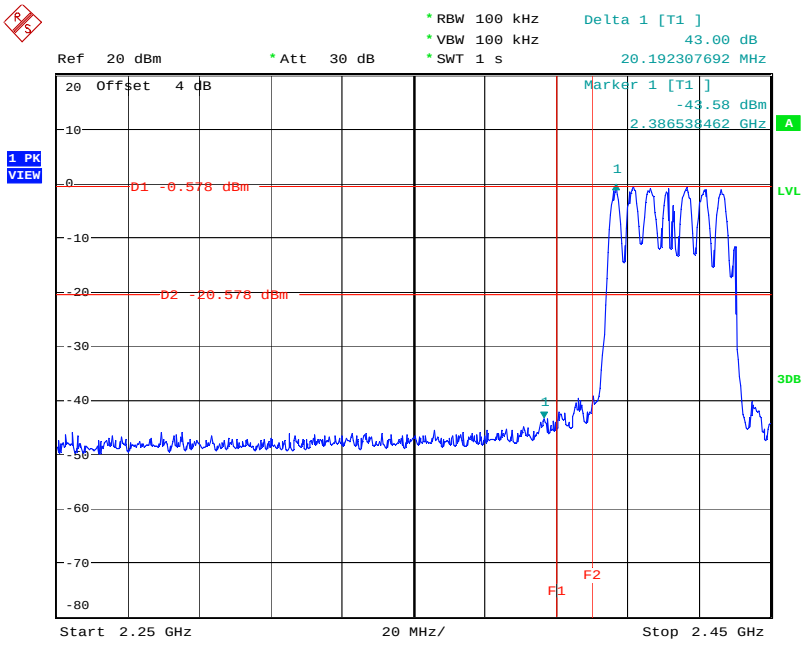
Date: 14.SEP.2008 11:27:55

High Band Edge Plot on Configuration Draft n MCS0 20MHz Ant. 1 + Ant. 3 / 2462 MHz



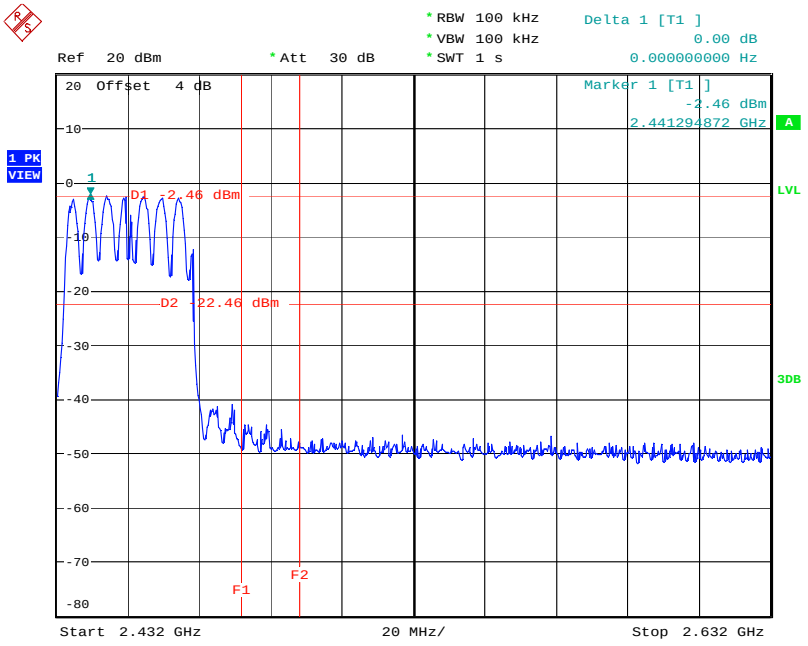
Date: 14.SEP.2008 11:29:47

Low Band Edge Plot on Configuration Draft n MCS0 40MHz Ant. 1 + Ant. 3 / 2422 MHz



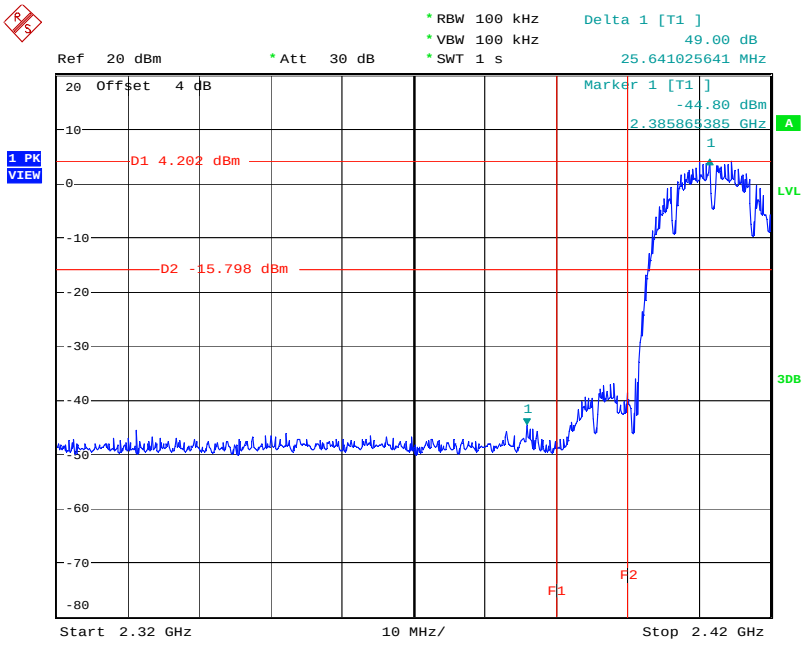
Date: 14.SEP.2008 11:34:13

High Band Edge Plot on Configuration Draft n MCS0 40MHz Ant. 1 + Ant. 3 / 2452 MHz



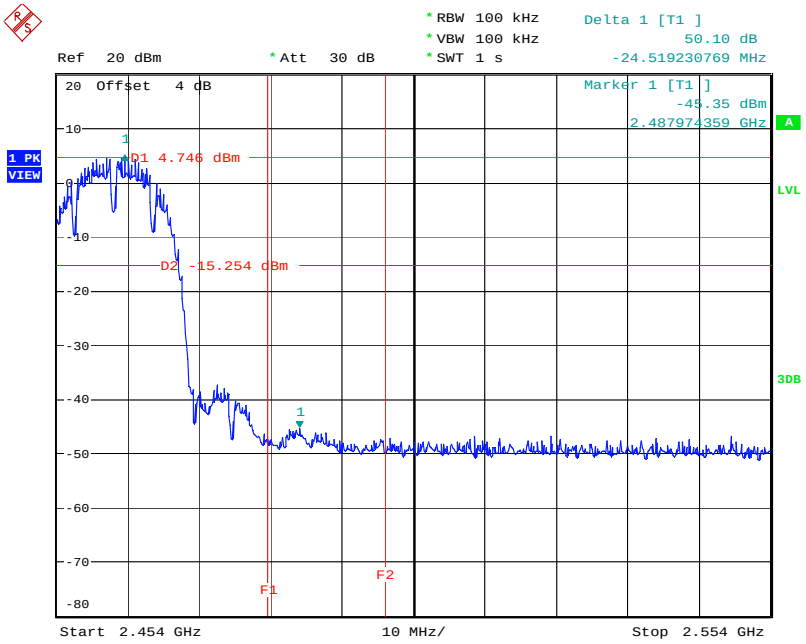
Date: 14.SEP.2008 11:31:51

Low Band Edge Plot on Configuration IEEE 802.11b Ant. 1 + Ant. 3 / 2412 MHz



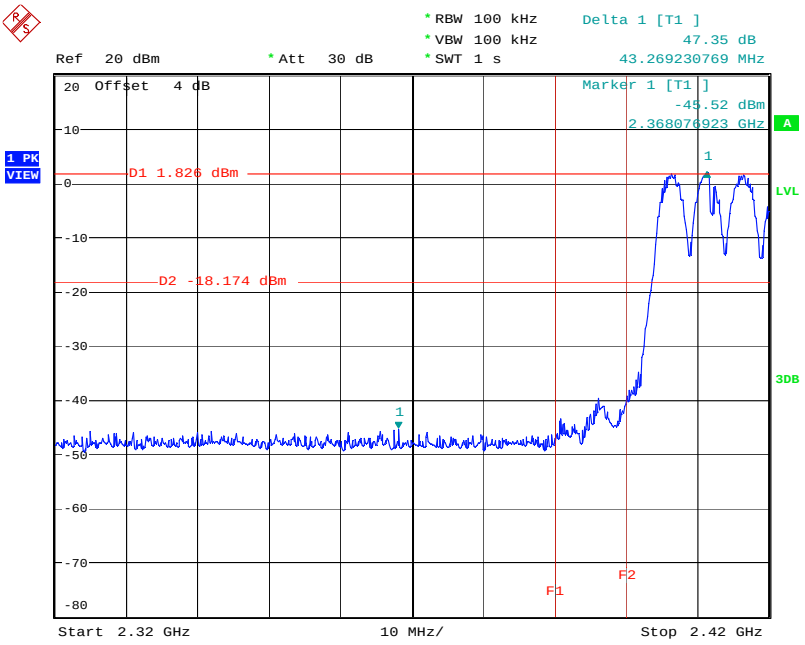
Date: 14.SEP.2008 11:20:49

High Band Edge Plot on Configuration IEEE 802.11b Ant. 1 + Ant. 3 / 2462 MHz



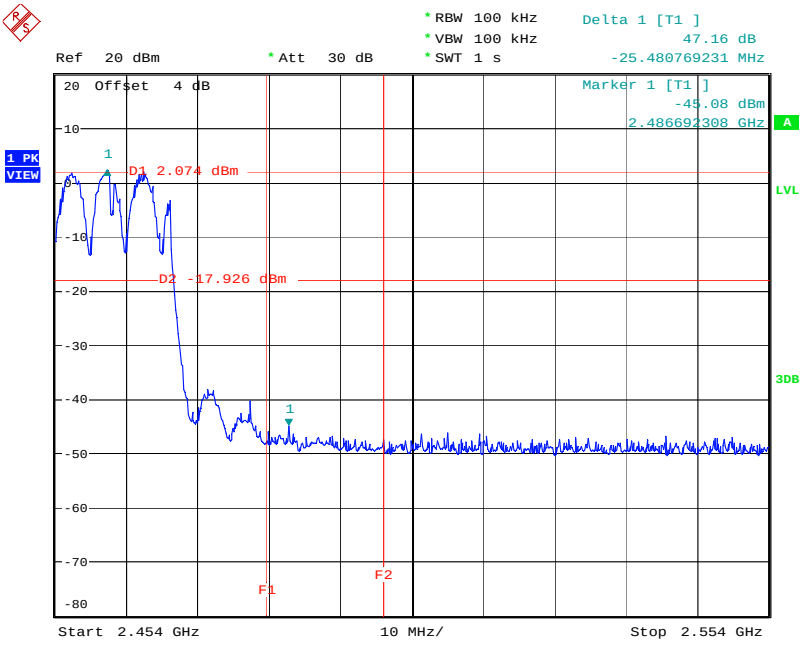
Date: 14.SEP.2008 11:22:43

Low Band Edge Plot on Configuration IEEE 802.11g Ant. 1 + Ant. 3 / 2412 MHz



Date: 14.SEP.2008 11:26:29

High Band Edge Plot on Configuration IEEE 802.11g Ant. 1 + Ant. 3 / 2462 MHz



Date: 14.SEP.2008 11:24:05

4.7. Antenna Requirements

4.7.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.7.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz – 2.75GHz	Mar. 03, 2008	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Mar. 31, 2008	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Mar. 22, 2008	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2008	Conduction (CO04-HY)
ISN	SCHAFFNER	ISN ST08	21653	9kHz –30MHz	Mar. 27, 2008	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz - 1 GHz 3m	Jun. 14, 2008	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	COA9231A	18667	9 kHz - 2 GHz	Jan. 14, 2008	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	Jul. 21, 2008	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5 GHz - 40 GHz	Jan. 22, 2007*	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP40	100004	9 kHz - 40 GHz	Sep. 27, 2007	Radiation (03CH03-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	May 23, 2007*	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30 MHz – 1 GHz	Jul. 12, 2008	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	Apr. 04, 2008	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15 GHz - 40 GHz	Jan. 18, 2008	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz - 1 GHz	Dec. 03, 2007	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Dec. 03, 2007	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 – 360 degree	N/A	Radiation (03CH03-HY)
Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz - 1 GHz 3m	Jun. 14, 2008	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	COA9231A	18667	9 kHz - 2 GHz	Jan. 14, 2008	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	Jul. 21, 2008	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5 GHz - 40 GHz	Jan. 22, 2007*	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP40	100004	9 kHz - 40 GHz	Sep. 27, 2007	Radiation (03CH03-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	May 23, 2007*	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30 MHz – 1 GHz	Jul. 12, 2008	Radiation (03CH03-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	Apr. 04, 2008	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15 GHz - 40 GHz	Jan.18, 2008	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz - 1 GHz	Dec. 03, 2007	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Dec. 03, 2007	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 – 360 degree	N/A	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP30	100023	9kHz ~ 30GHz	Jan. 10, 2008	Conducted (TH01-HY)
Power Meter	R&S	NRVS	100444	DC ~ 40GHz	Jul. 11, 2008	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z51	100458	DC ~ 30GHz	Jul. 11, 2008	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z32	100057	30MHz ~ 6GHz	Jul. 11, 2008	Conducted (TH01-HY)
AC Power Source	HPC	HPA-500W	HPA-9100024	AC 0 ~ 300V	May 30, 2008*	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Mar. 13, 2008	Conducted (TH01-HY)
Temp. and Humidity Chamber	KSON	THS-C3L	612	N/A	Oct. 01, 2007	Conducted (TH01-HY)
RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz ~ 7GHz	Dec. 01, 2007	Conducted (TH01-HY)
RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz ~ 1GHz	Dec. 01, 2007	Conducted (TH01-HY)
Vector Signal Generator	R&S	SMU200A	102098	100kHz ~ 6GHz	Nov. 14, 2007	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Mar. 10, 2008	Conducted (TH01-HY)
oscilloscope	Tektonix	TDS380	B016197	400MHz/ 2GS/s	Jun. 27, 2008	Conducted (TH01-HY)

Note: Calibration Interval of instruments listed above is one year.

Note: *Calibration Interval of instruments listed above is two year.

6. TEST LOCATION

SHIJR	ADD	:	6Fl., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C.
	TEL	:	886-2-2696-2468
	FAX	:	886-2-2696-2255
HWA YA	ADD	:	No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
	TEL	:	886-3-327-3456
	FAX	:	886-3-318-0055
LINKOU	ADD	:	No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C
	TEL	:	886-2-2601-1640
	FAX	:	886-2-2601-1695
DUNGHU	ADD	:	No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C.
	TEL	:	886-2-2631-4739
	FAX	:	886-2-2631-9740
JUNGHE	ADD	:	7Fl., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C.
	TEL	:	886-2-8227-2020
	FAX	:	886-2-8227-2626
NEIHU	ADD	:	4Fl., No. 339, Hsin Hu 2nd Rd., Taipei 114, Taiwan, R.O.C.
	TEL	:	886-2-2794-8886
	FAX	:	886-2-2794-9777
JHUBEI	ADD	:	No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
	TEL	:	886-3-656-9065
	FAX	:	886-3-656-9085

7. TAF CERTIFICATE OF ACCREDITATION

Certificate No. : L1190-070110

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

Sporton International Inc.
EMC & Wireless Communications Laboratory
No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

is accredited in respect of laboratory

Accreditation Criteria	:	ISO/IEC 17025:2005
Accreditation Number	:	1190
Originally Accredited	:	December 15, 2003
Effective Period	:	January 10, 2007 to January 09, 2010
Accredited Scope	:	Testing Field, see described in the Appendix
Specific Accreditation Program	:	Accreditation Program for Designated Testing Laboratory for Commodities Inspection Accreditation Program for Telecommunication Equipment Testing Laboratory

Jay-San Chen
President, Taiwan Accreditation Foundation
Date : January 10, 2007

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The Appendix forms an integral part of this Certificate, which shall be invalid when used without the Appendix.