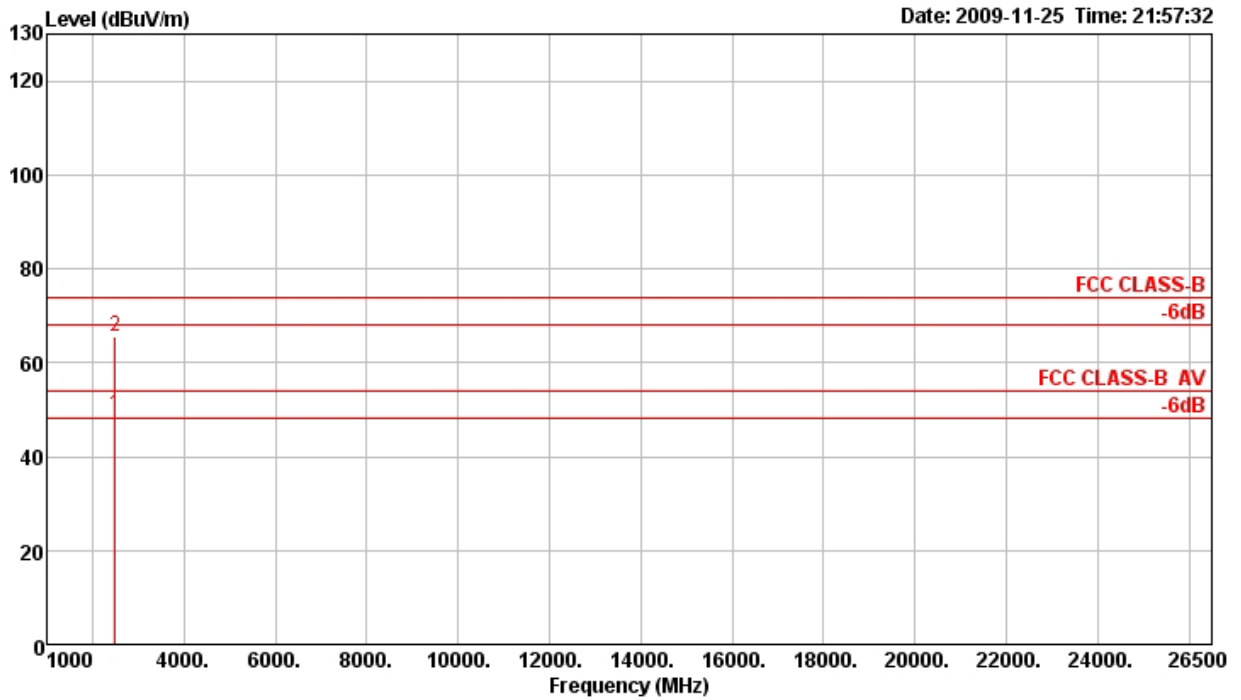


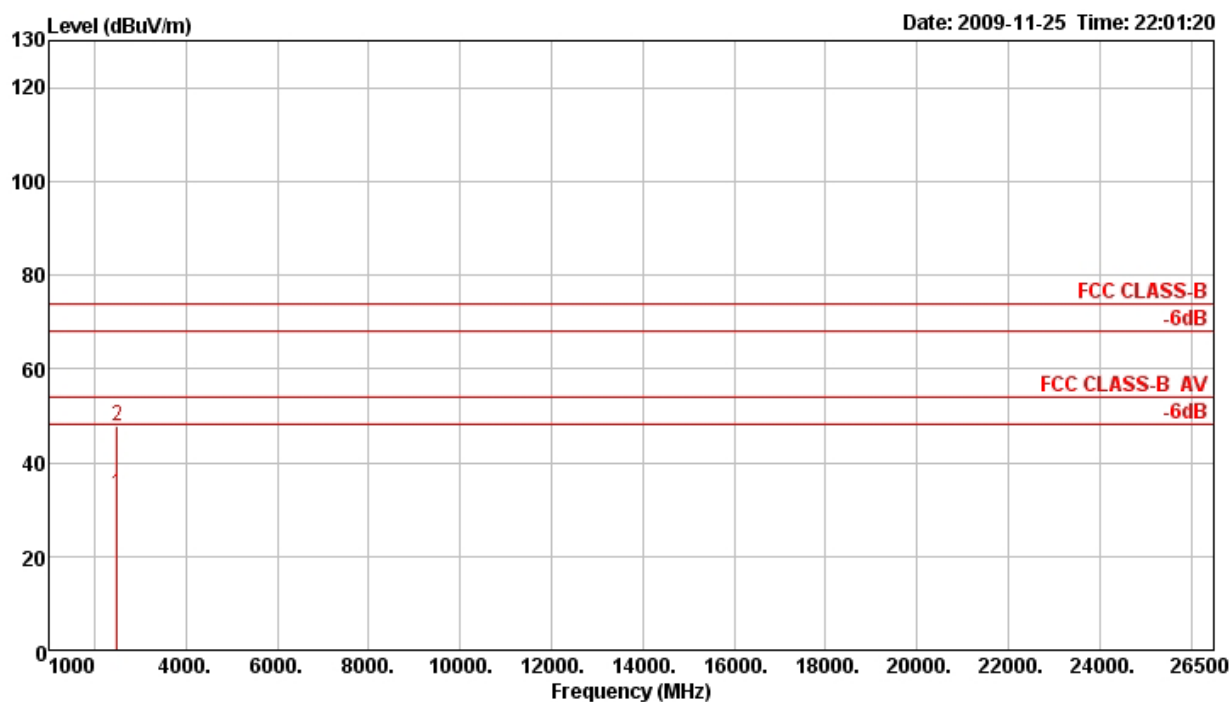
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2499.85	48.76	54.00	-5.24	53.87	2.11	34.92	27.70	37	100	Average	VERTICAL
2 p	2499.92	65.44	74.00	-8.56	70.55	2.11	34.92	27.70	37	100	Peak	VERTICAL

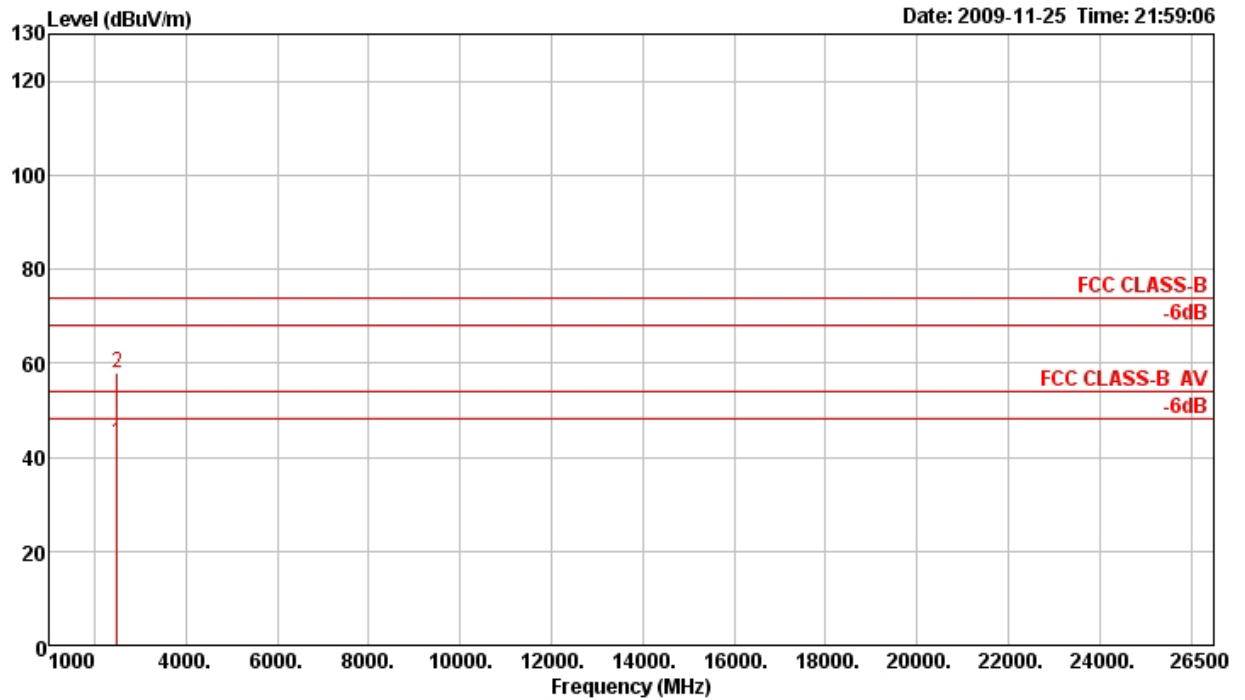
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch11 / Ant. A

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2499.94	33.42	54.00	-20.58	38.53	2.11	34.92	27.70	17	100	Average	HORIZONTAL
2 p	2499.96	47.97	74.00	-26.03	53.08	2.11	34.92	27.70	17	100	Peak	HORIZONTAL

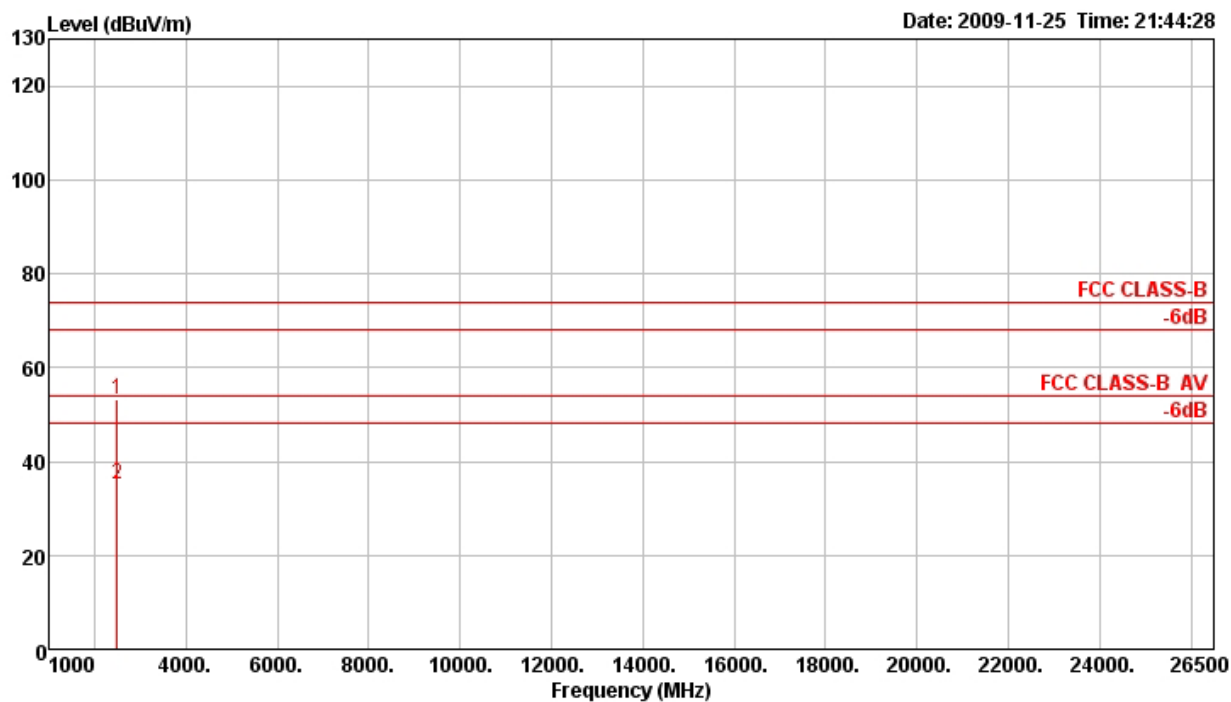
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2499.94	43.19	54.00	-10.81	48.30	2.11	34.92	27.70	36	100	Average	VERTICAL
2 p	2499.97	57.85	74.00	-16.15	62.96	2.11	34.92	27.70	36	100	Peak	VERTICAL

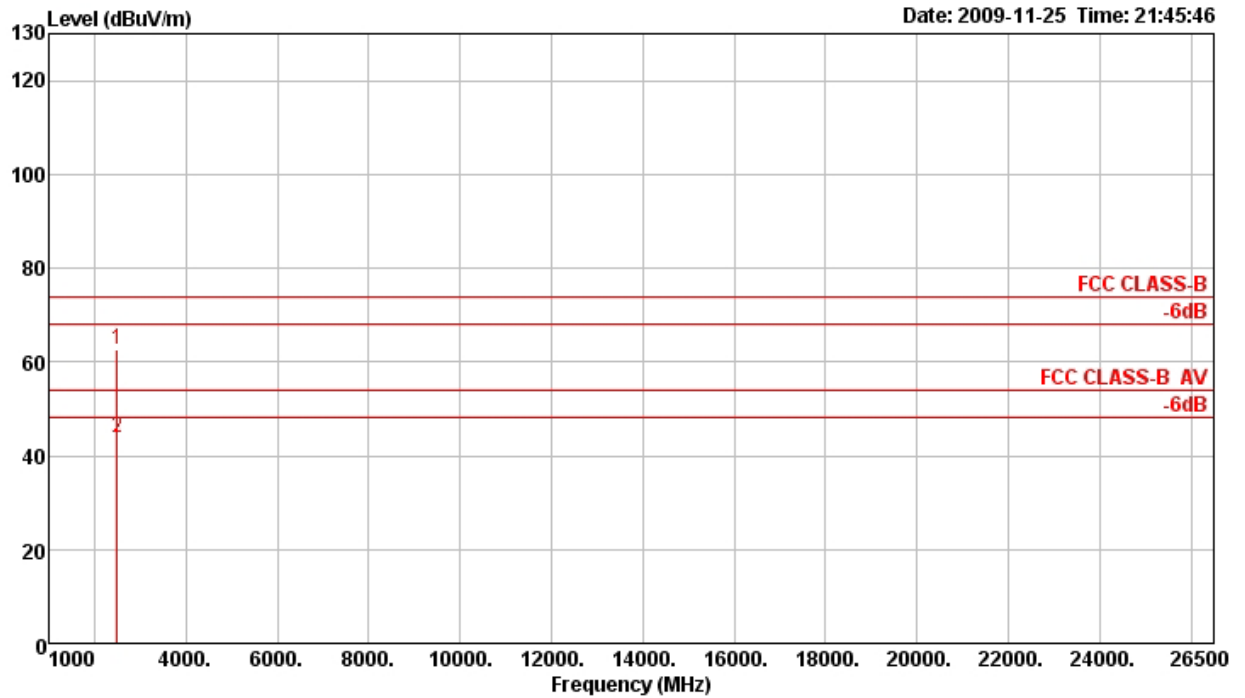
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 3 / Ant. A

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	2498.10	53.31	74.00	-20.69	58.42	2.11	34.92	27.70	190	100	Peak	HORIZONTAL
2 a	2498.47	35.14	54.00	-18.86	40.25	2.11	34.92	27.70	190	100	Average	HORIZONTAL

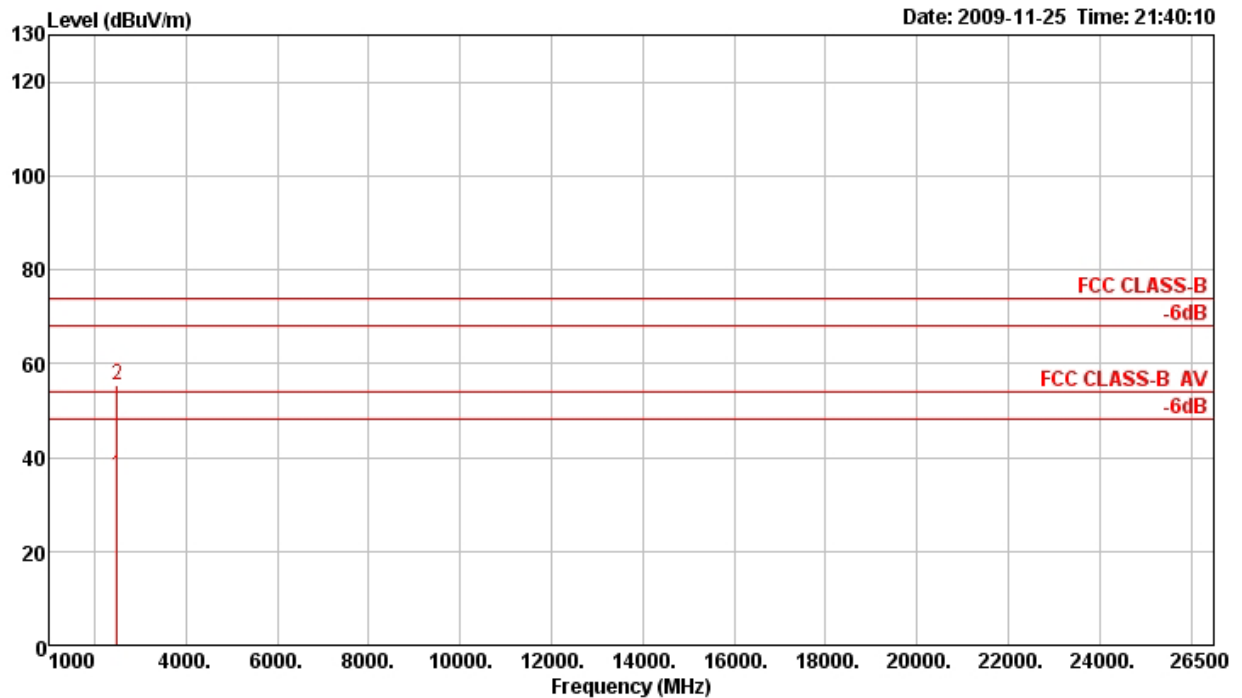
Vertical



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	p	2498.58	62.52	74.00	-11.48	67.63	2.11	34.92	27.70	90	100	Peak	VERTICAL
2	a	2498.60	43.74	54.00	-10.26	48.85	2.11	34.92	27.70	90	100	Average	VERTICAL

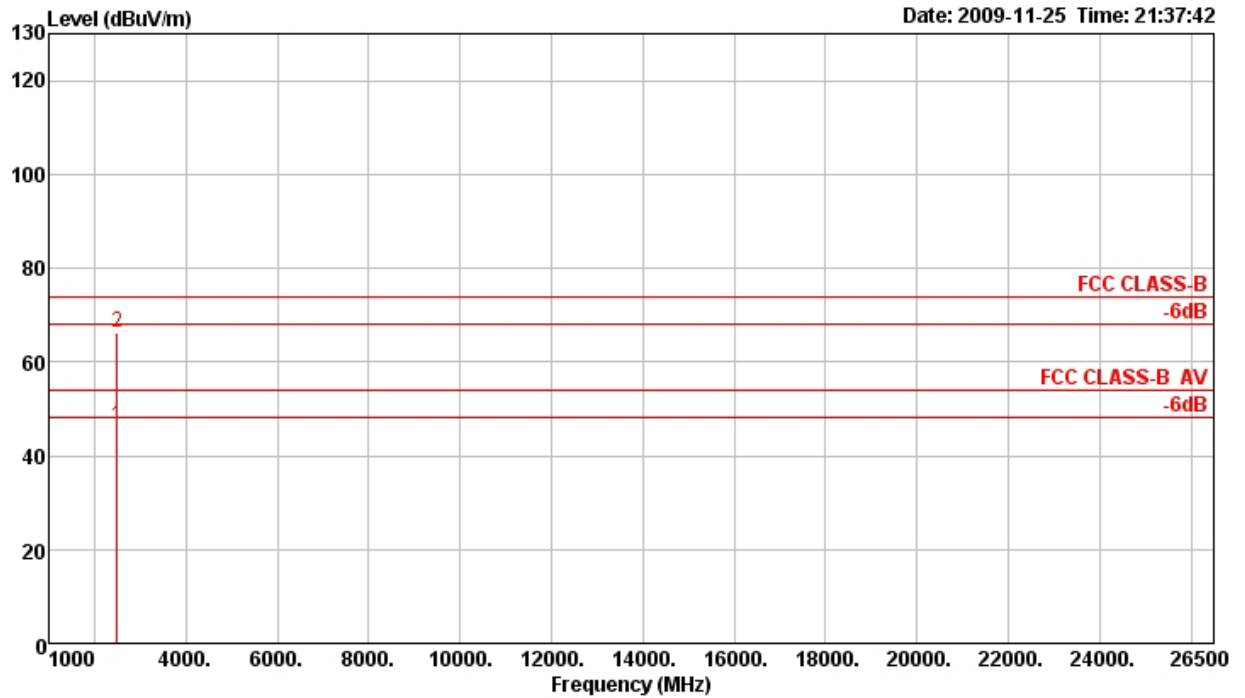
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 6 / Ant. A

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2499.32	36.09	54.00	-17.91	41.20	2.11	34.92	27.70	190	100	Average	HORIZONTAL
2 p	2499.56	55.50	74.00	-18.50	60.61	2.11	34.92	27.70	190	100	Peak	HORIZONTAL

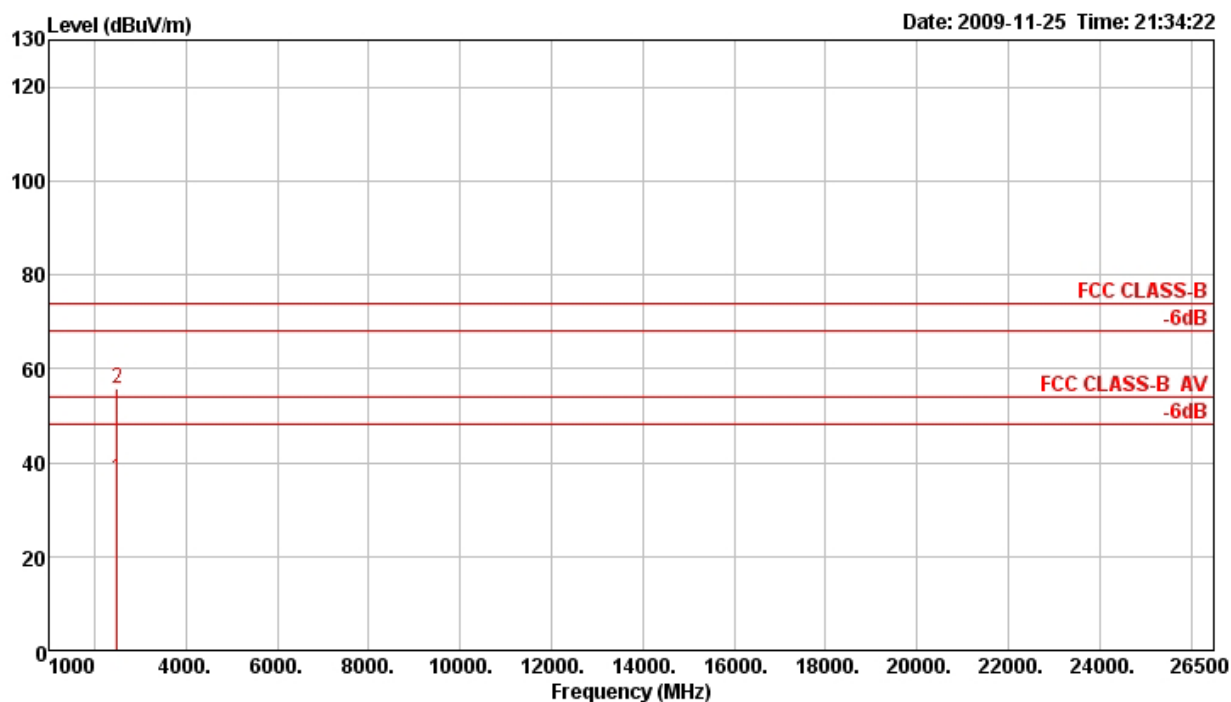
Vertical



		Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	2499.26	46.53	54.00	-7.47	51.64	2.11	34.92	27.70	36	100	Average	VERTICAL
2	p	2499.29	66.33	74.00	-7.67	71.44	2.11	34.92	27.70	36	100	Peak	VERTICAL

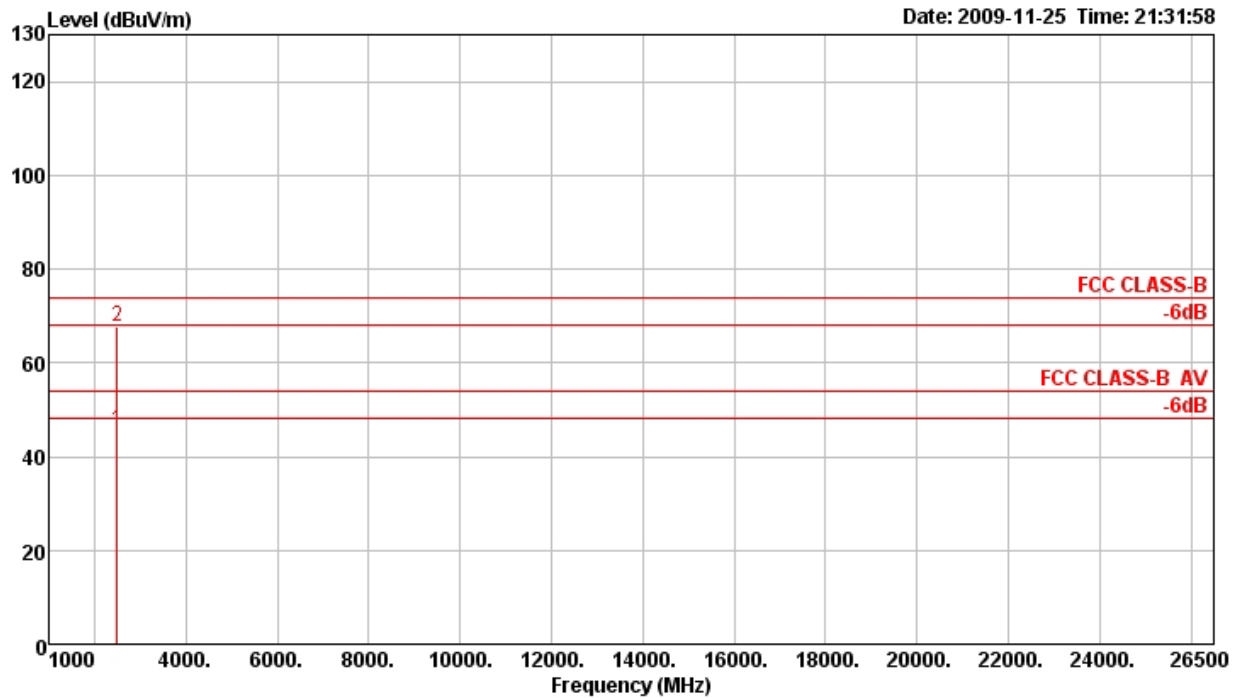
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 9 / Ant. A

Horizontal



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	2498.96	36.64	54.00	-17.36	41.75	2.11	34.92	27.70	189	100	Average	HORIZONTAL
2	p	2499.41	55.83	74.00	-18.17	60.94	2.11	34.92	27.70	189	100	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2499.89	45.66	54.00	-8.34	50.77	2.11	34.92	27.70	37	100	Average	VERTICAL
2 p	2499.94	67.72	74.00	-6.28	72.83	2.11	34.92	27.70	37	100	Peak	VERTICAL

Note:

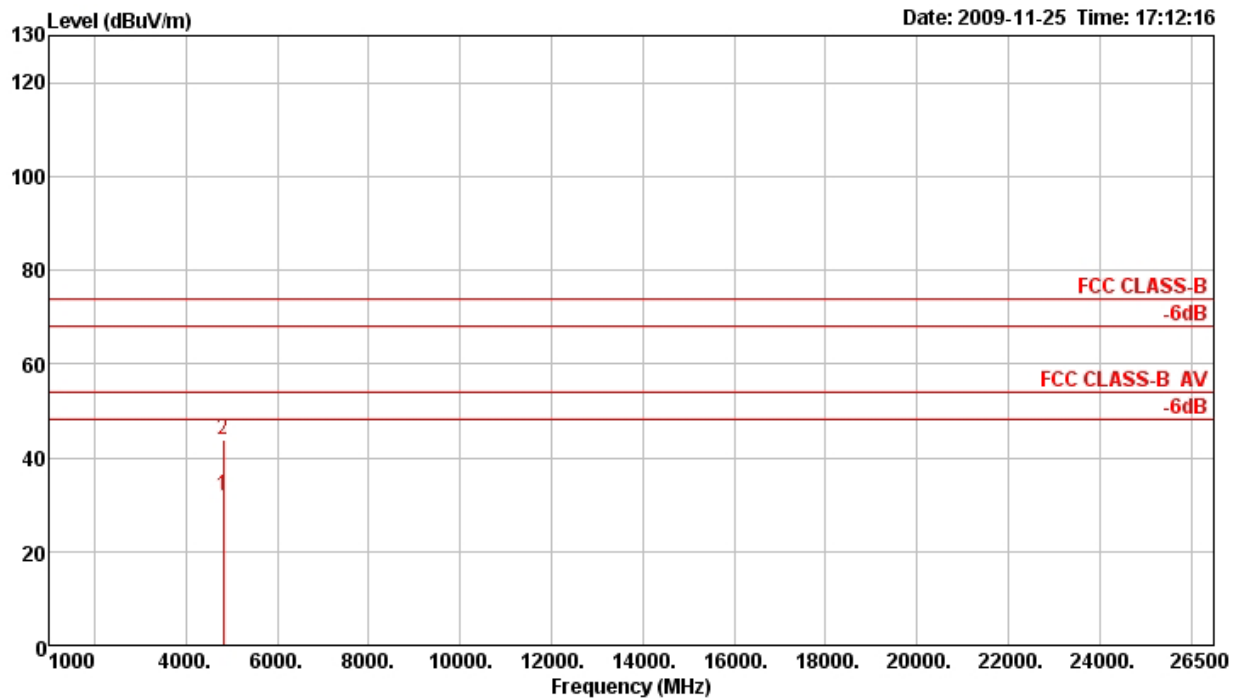
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

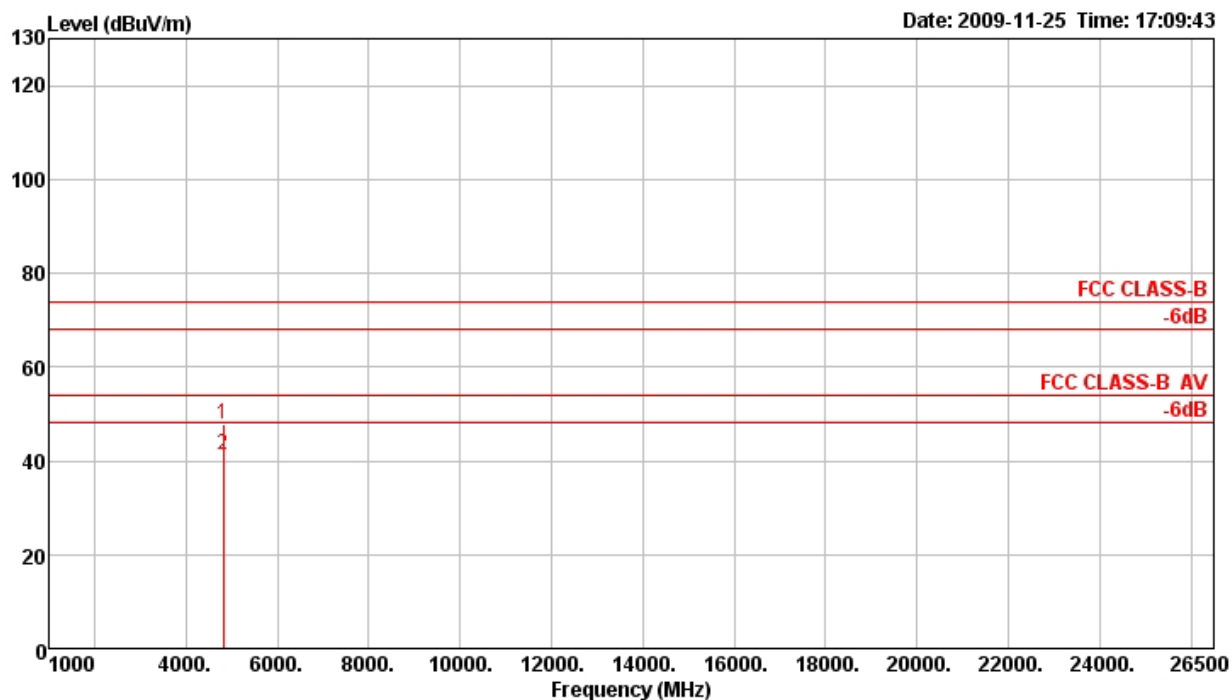
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 1 / Ant. A

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4824.02	32.04	54.00	-21.96	31.84	3.00	35.26	32.46	105	104	Average	HORIZONTAL
2 p	4825.38	43.84	74.00	-30.16	43.64	3.00	35.26	32.46	105	104	Peak	HORIZONTAL

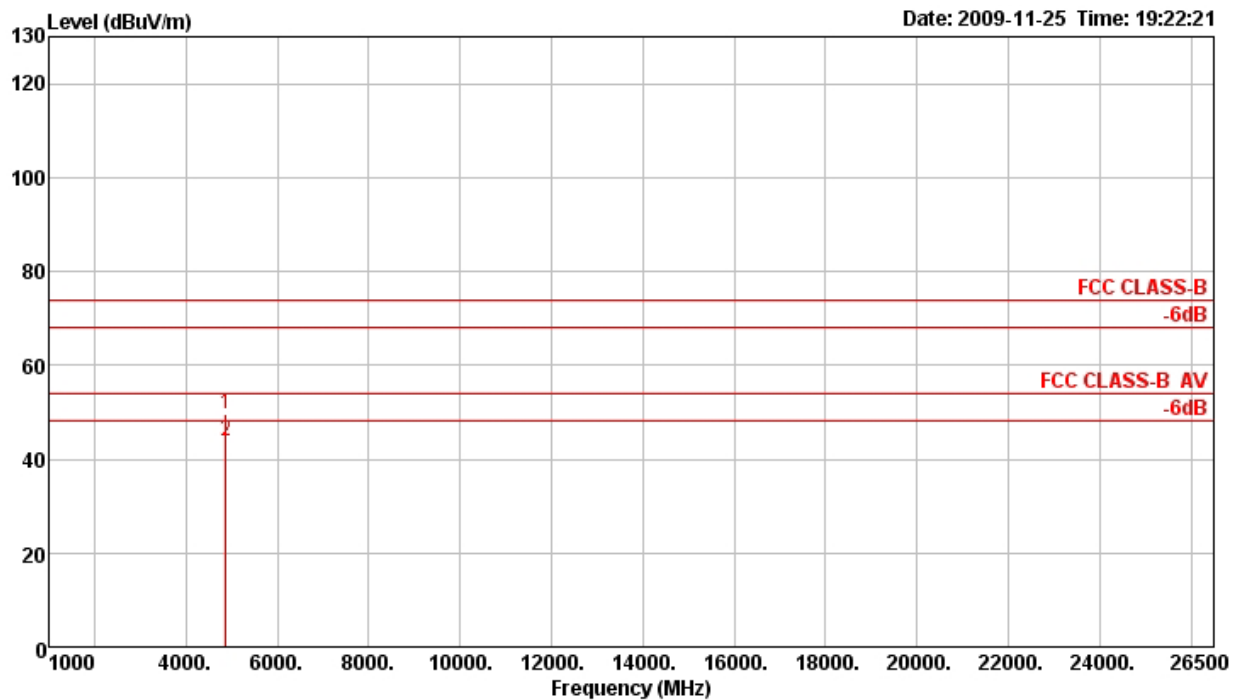
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4823.96	47.66	74.00	-26.34	47.46	3.00	35.26	32.46	262	151	Peak	VERTICAL
2 a	4824.00	41.10	54.00	-12.90	40.90	3.00	35.26	32.46	262	151	Average	VERTICAL

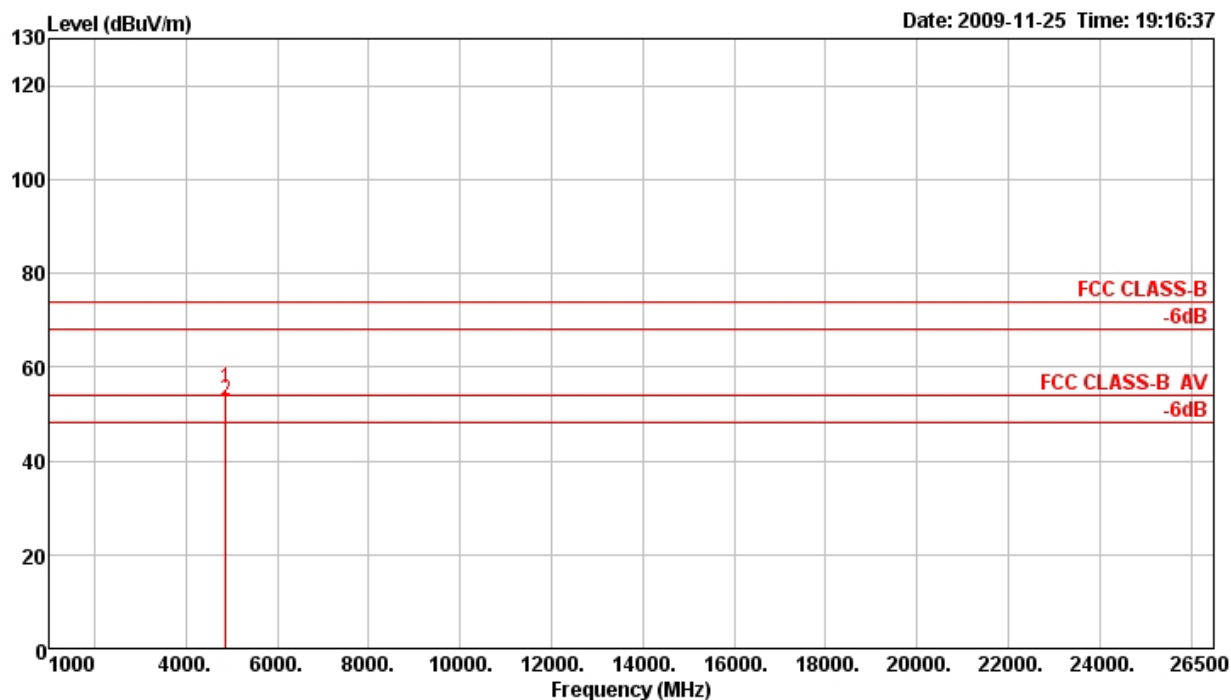
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 6 / Ant. A

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.95	49.63	74.00	-24.37	49.21	3.01	35.15	32.56	247	179	Peak	HORIZONTAL
2 a	4874.01	43.65	54.00	-10.35	43.23	3.01	35.15	32.56	247	179	Average	HORIZONTAL

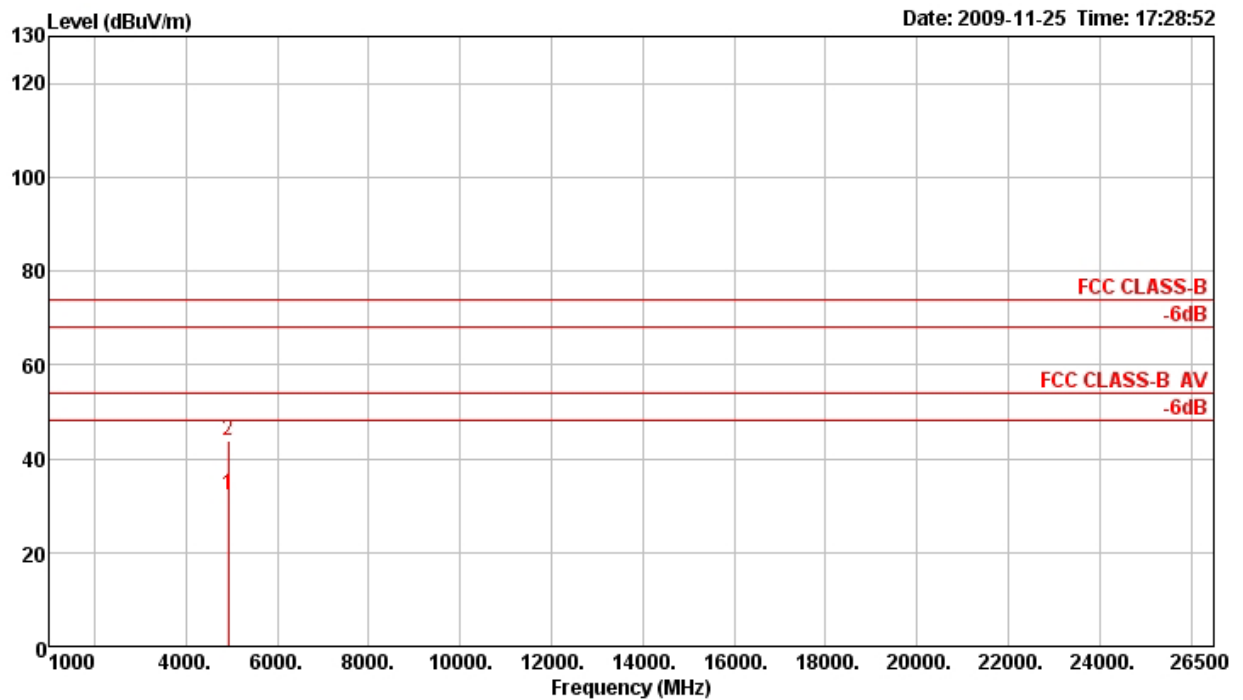
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.86	55.28	74.00	-18.72	54.86	3.01	35.15	32.56	100	134	Peak	VERTICAL
2 a	4874.01	52.91	54.00	-1.09	52.49	3.01	35.15	32.56	100	134	Average	VERTICAL

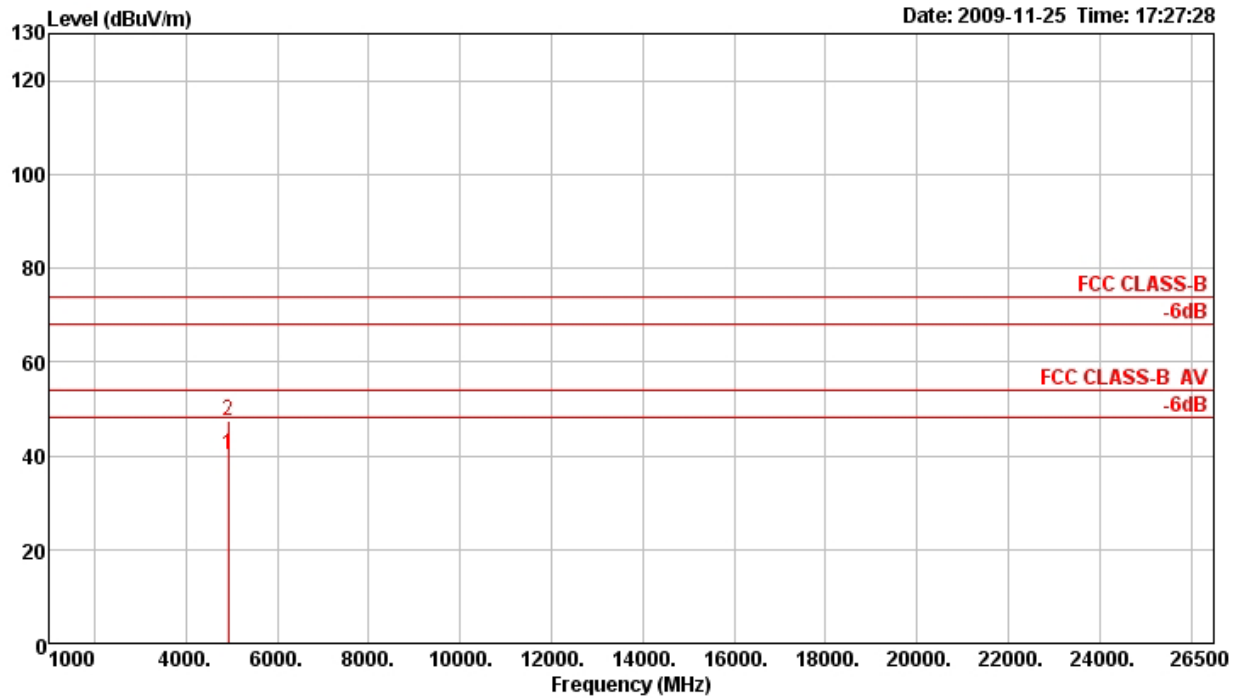
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 11 / Ant. A

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4924.04	32.07	54.00	-21.93	31.42	3.02	35.03	32.66	214	117	Average	HORIZONTAL
2 p	4924.46	43.94	74.00	-30.06	43.29	3.02	35.03	32.66	214	117	Peak	HORIZONTAL

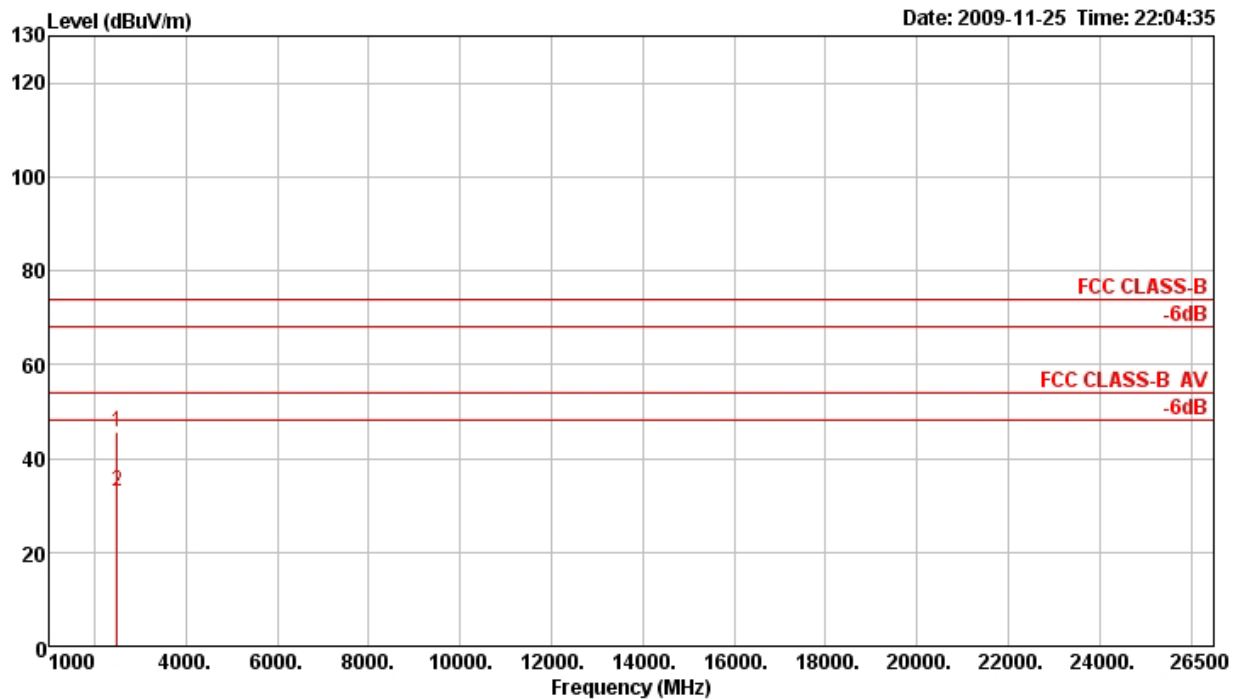
Vertical



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4924.08	40.23	54.00	-13.77	39.58	3.02	35.03	32.66	89	118	Average	VERTICAL
2	p	4924.34	47.28	74.00	-26.72	46.63	3.02	35.03	32.66	89	118	Peak	VERTICAL

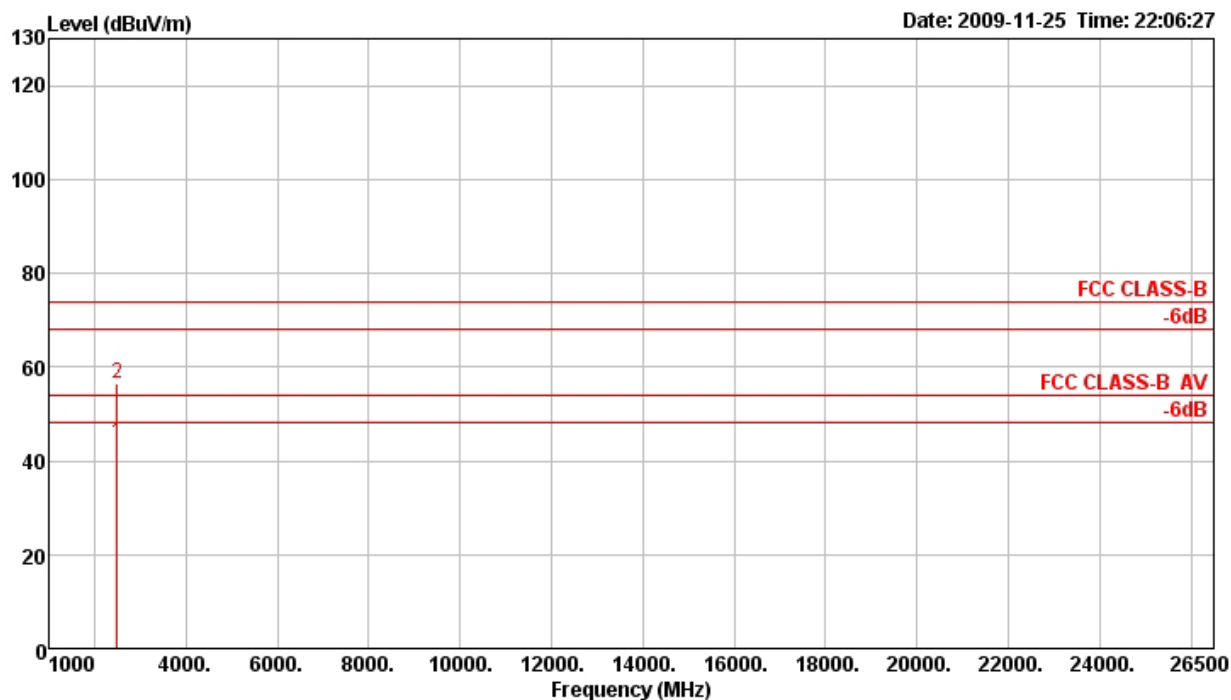
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 1 / Ant. A

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	2499.91	45.51	74.00	-28.49	50.62	2.11	34.92	27.70	18	100	Peak	HORIZONTAL
2 a	2499.92	32.89	54.00	-21.11	38.00	2.11	34.92	27.70	18	100	Average	HORIZONTAL

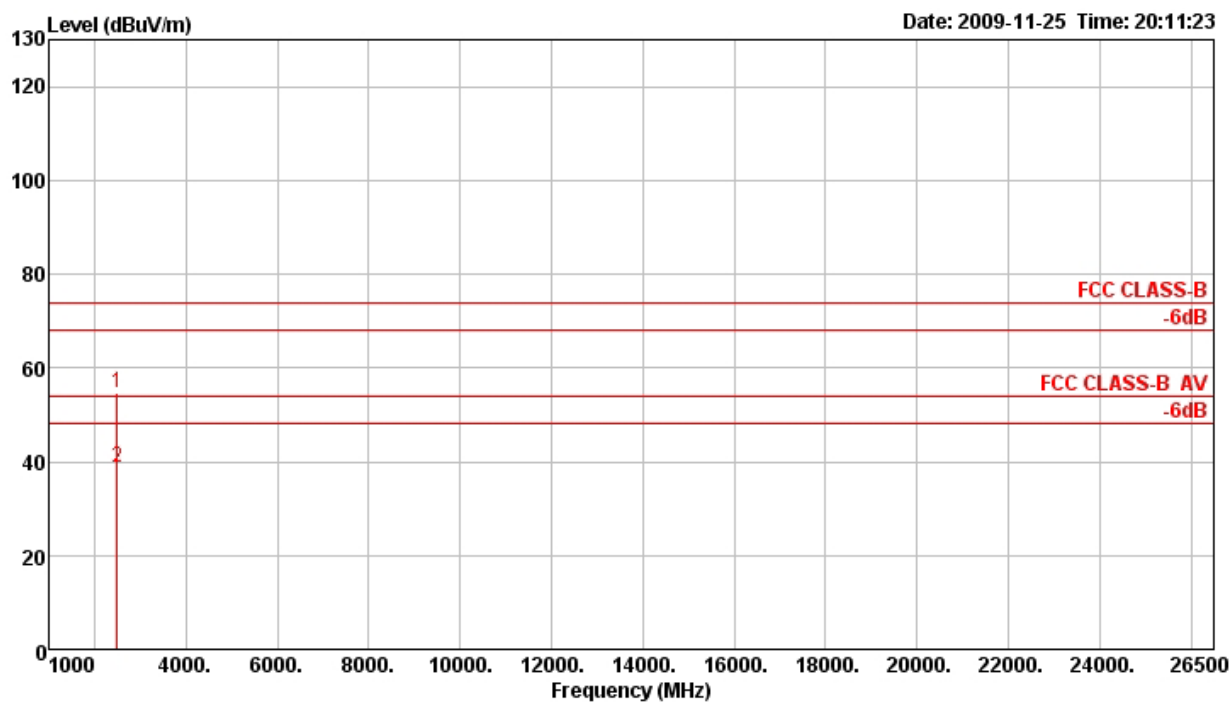
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2499.91	43.84	54.00	-10.16	48.95	2.11	34.92	27.70	36	100	Average	VERTICAL
2 p	2499.92	56.62	74.00	-17.38	61.73	2.11	34.92	27.70	36	100	Peak	VERTICAL

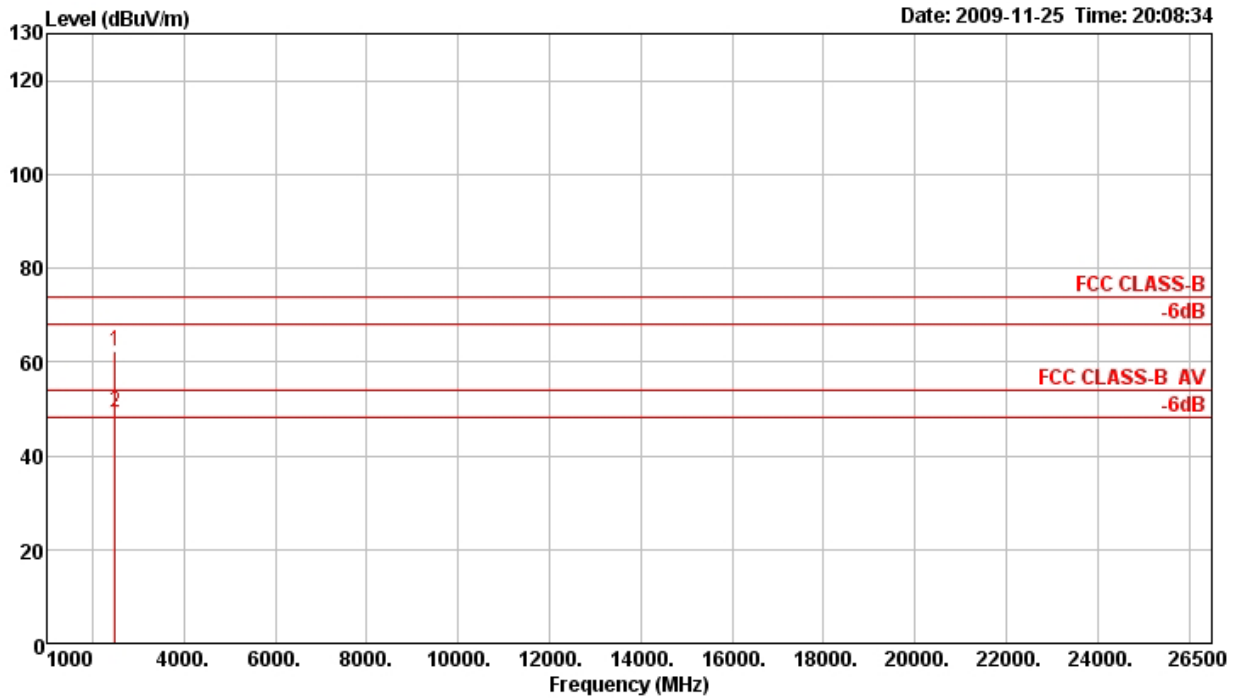
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 6 / Ant. A

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	2498.80	54.61	74.00	-19.39	59.72	2.11	34.92	27.70	189	100	Peak	HORIZONTAL
2 a	2499.96	38.66	54.00	-15.34	43.77	2.11	34.92	27.70	189	100	Average	HORIZONTAL

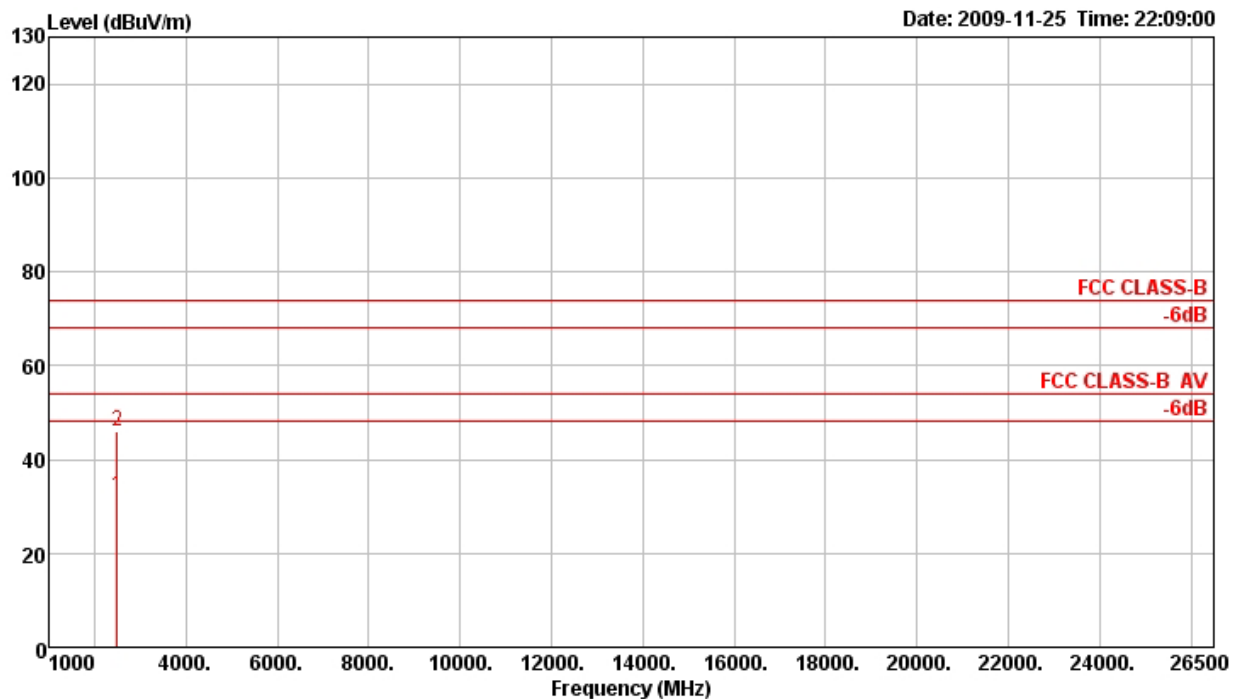
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	2499.04	62.41	74.00	-11.59	67.52	2.11	34.92	27.70	88	100	Peak	VERTICAL
2 a	2499.96	49.20	54.00	-4.80	54.31	2.11	34.92	27.70	88	100	Average	VERTICAL

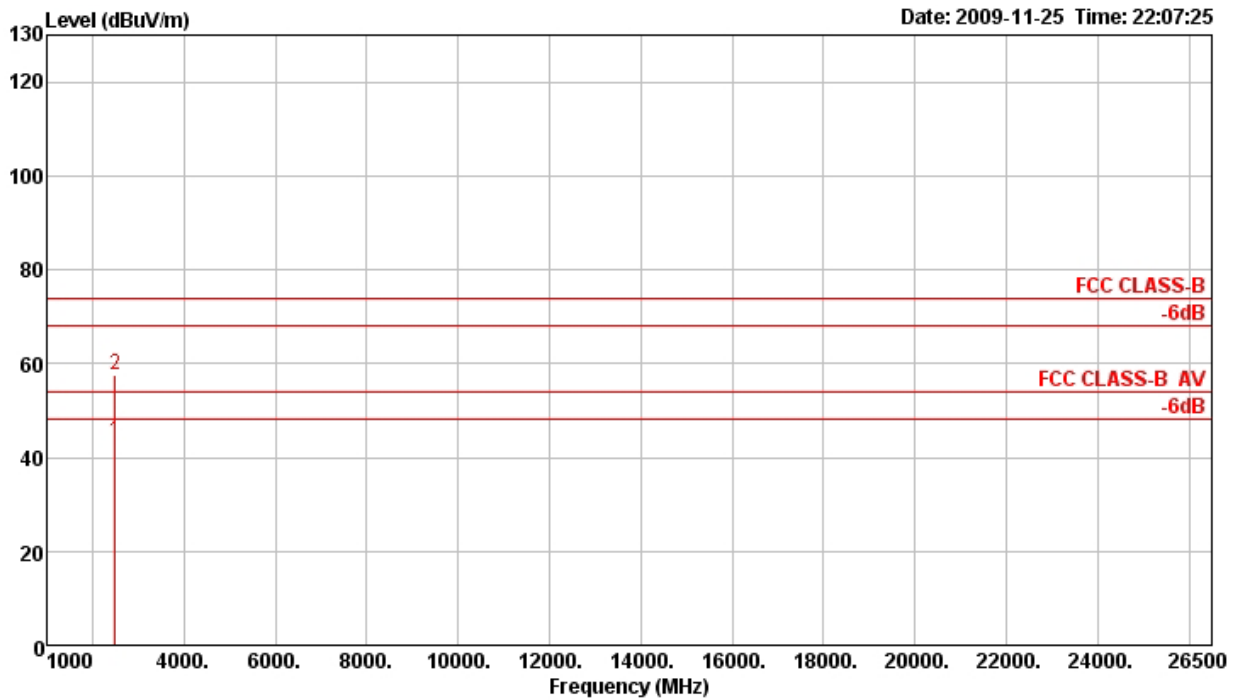
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 11 / Ant. A

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2499.91	32.31	54.00	-21.69	37.42	2.11	34.92	27.70	4	100	Average	HORIZONTAL
2 p	2499.99	45.85	74.00	-28.15	50.96	2.11	34.92	27.70	4	100	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2499.92	43.39	54.00	-10.61	48.50	2.11	34.92	27.70	35	100	Average	VERTICAL
2 p	2499.93	57.60	74.00	-16.40	62.71	2.11	34.92	27.70	35	100	Peak	VERTICAL

Note:

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

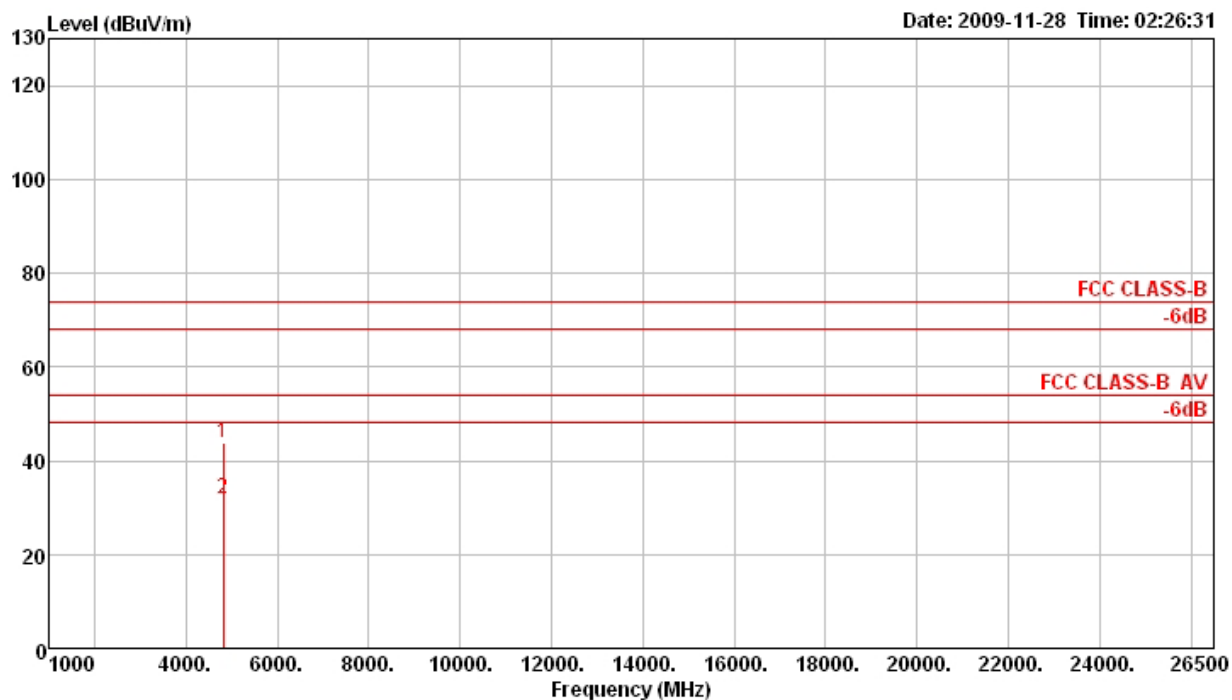
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

<For Antenna B>

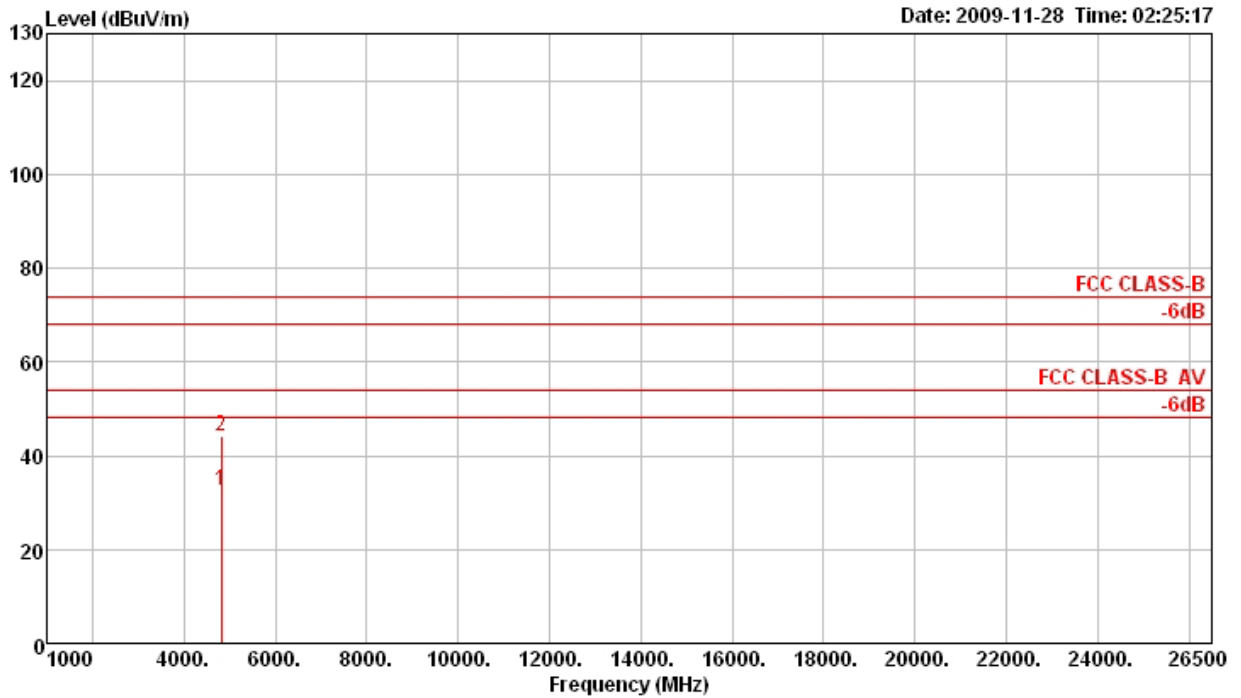
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch 1 / Ant. B

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1 p	4819.86	43.96	74.00	-30.04	43.76	3.00	35.26	32.46	0	100	Peak	HORIZONTAL
2 a	4825.79	31.94	54.00	-22.06	31.74	3.00	35.26	32.46	0	100	Average	HORIZONTAL

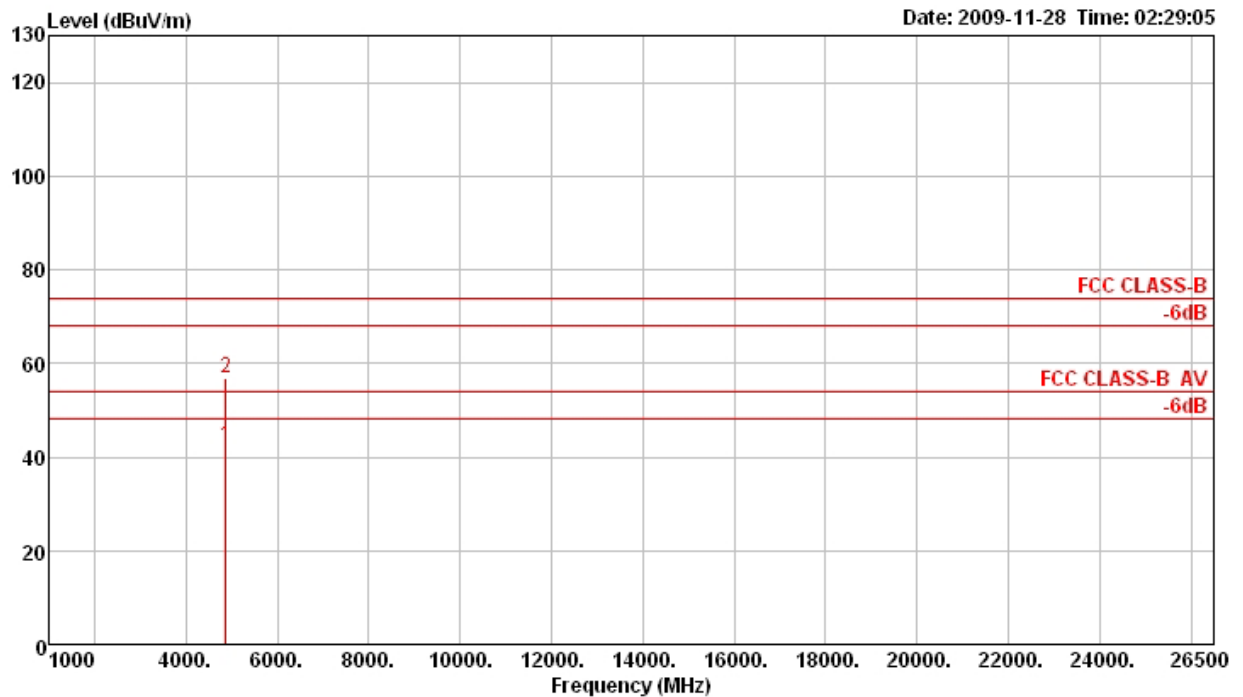
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4824.03	32.75	54.00	-21.25	32.55	3.00	35.26	32.46	360	100	Average	VERTICAL
2 p	4825.63	44.24	74.00	-29.76	44.04	3.00	35.26	32.46	360	100	Peak	VERTICAL

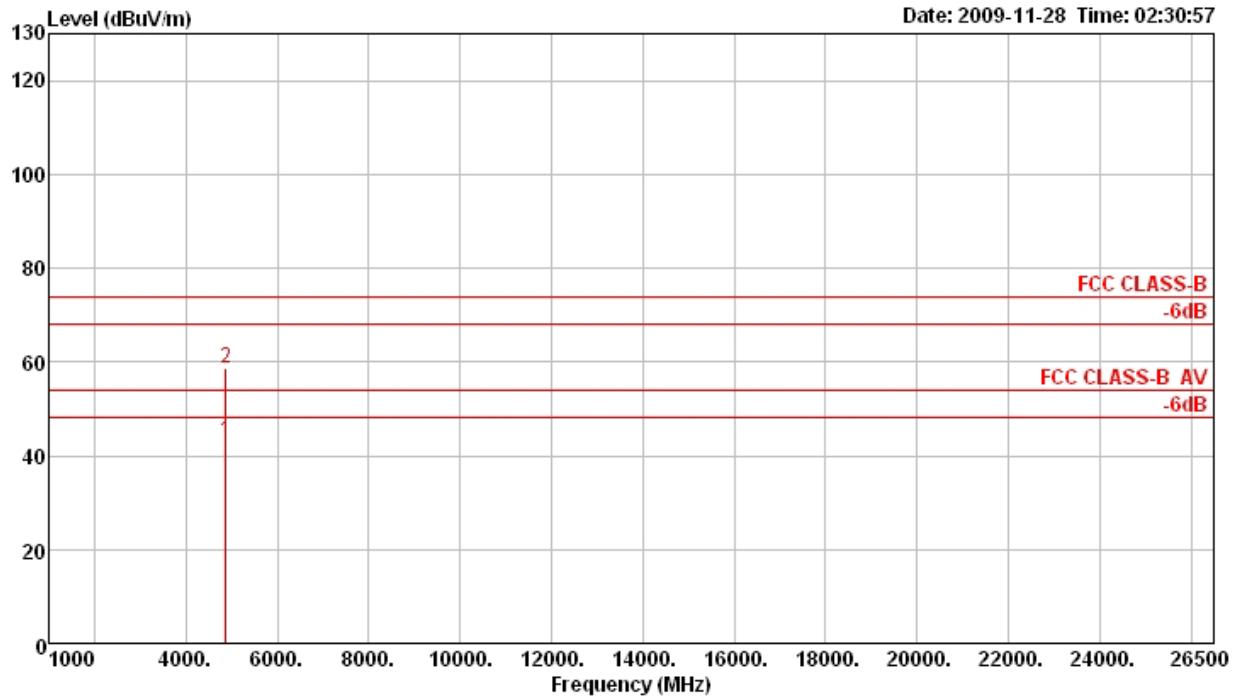
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch 6 / Ant. B

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4874.09	42.54	54.00	-11.46	42.12	3.01	35.15	32.56	43	100	Average	HORIZONTAL
2 p	4874.76	56.99	74.00	-17.01	56.57	3.01	35.15	32.56	43	100	Peak	HORIZONTAL

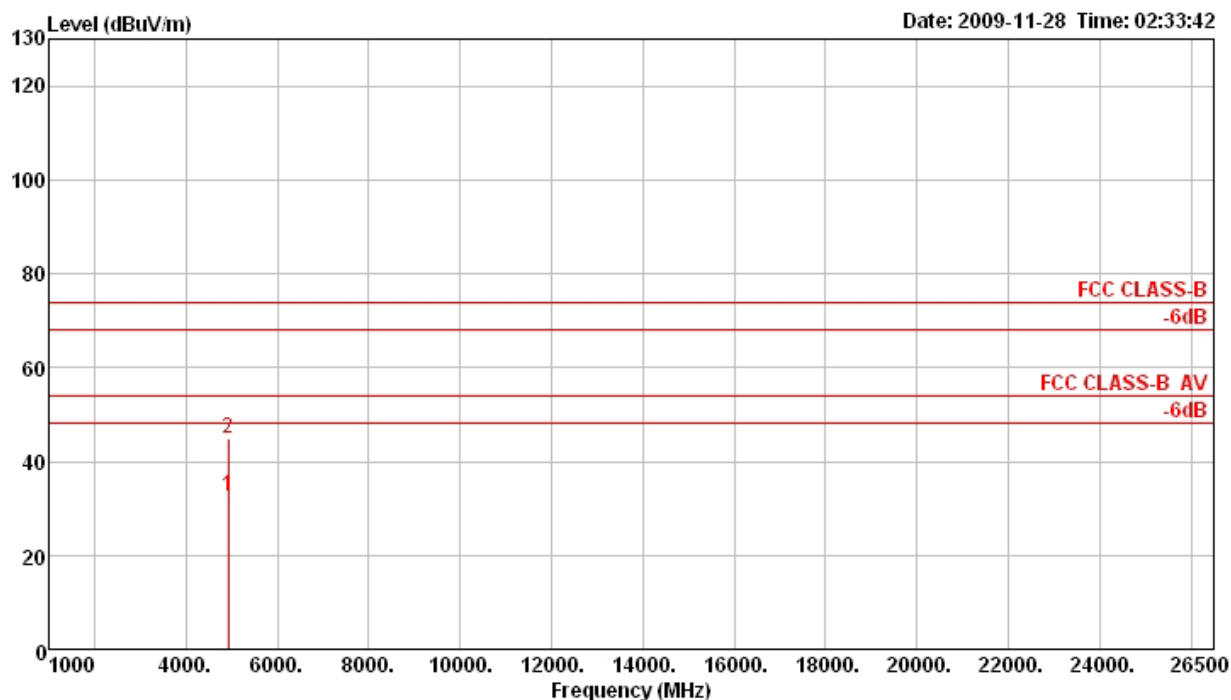
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4874.31	43.14	54.00	-10.86	42.72	3.01	35.15	32.56	270	161	Average	VERTICAL
2 p	4874.91	58.71	74.00	-15.29	58.29	3.01	35.15	32.56	270	100	Peak	VERTICAL

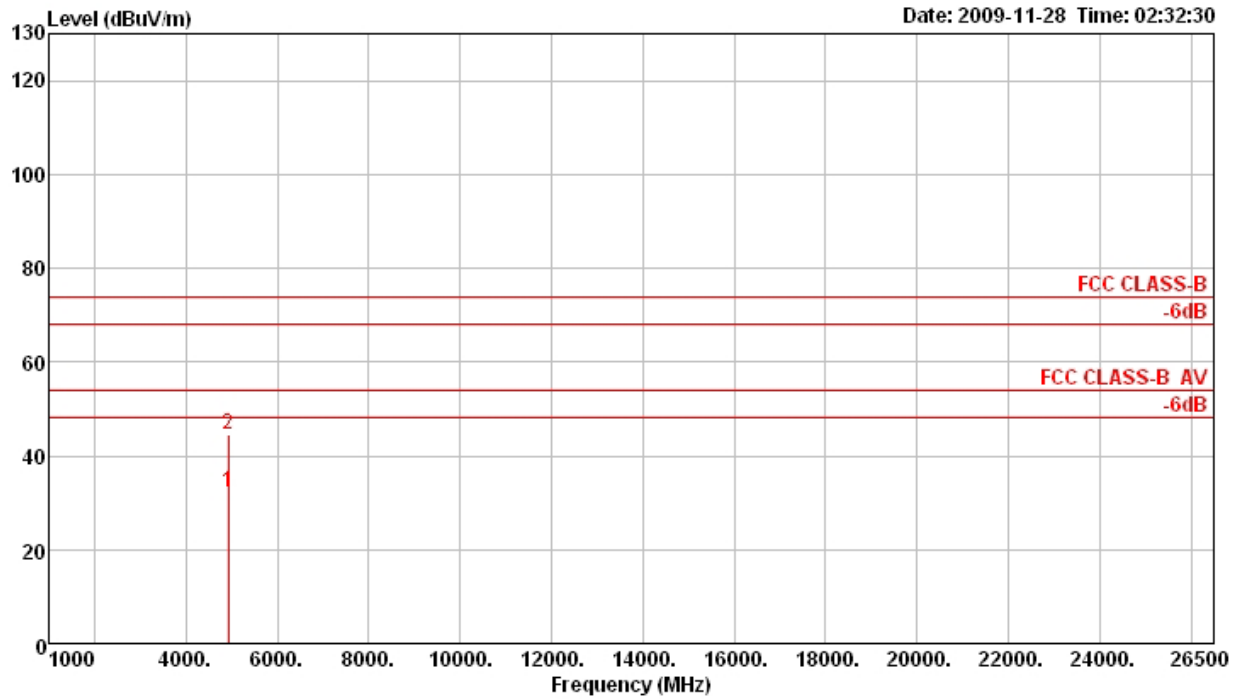
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch11 / Ant. B

Horizontal



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4923.25	32.41	54.00	-21.59	31.76	3.02	35.03	32.66	360	100	Average	HORIZONTAL
2	p	4928.52	44.78	74.00	-29.22	44.13	3.02	35.03	32.66	360	100	Peak	HORIZONTAL

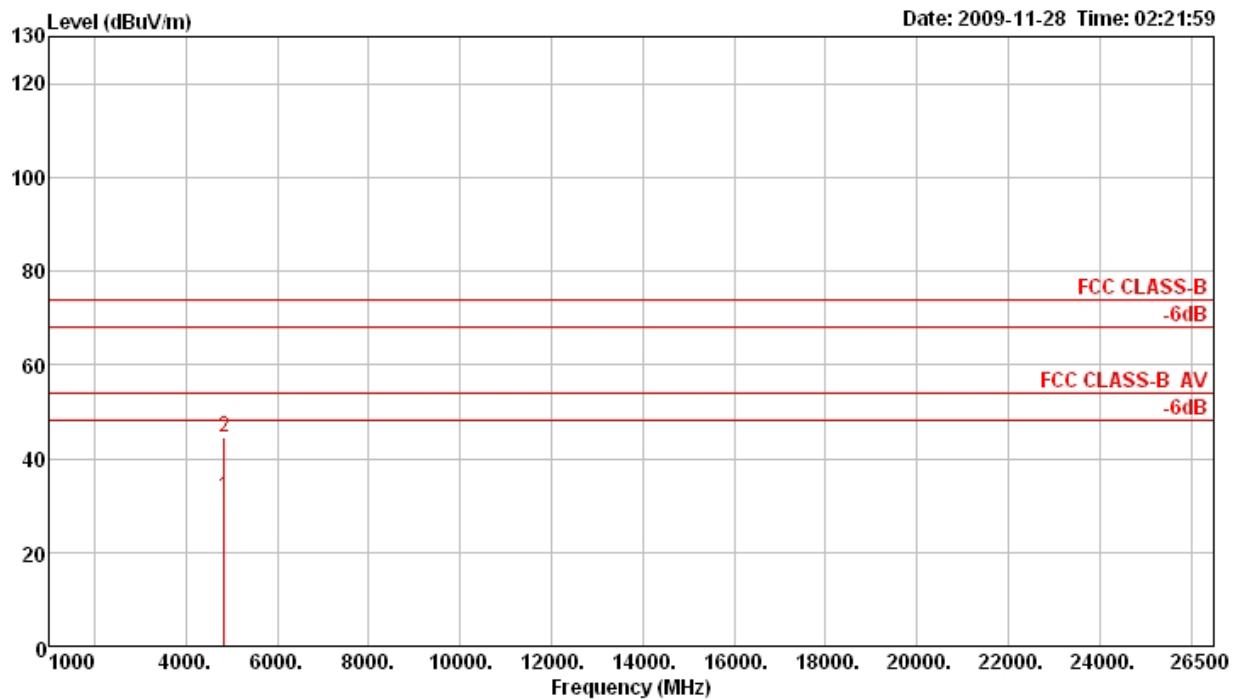
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4926.41	32.26	54.00	-21.74	31.61	3.02	35.03	32.66	0	100	Average	VERTICAL
2 p	4928.87	44.38	74.00	-29.62	43.73	3.02	35.03	32.66	0	100	Peak	VERTICAL

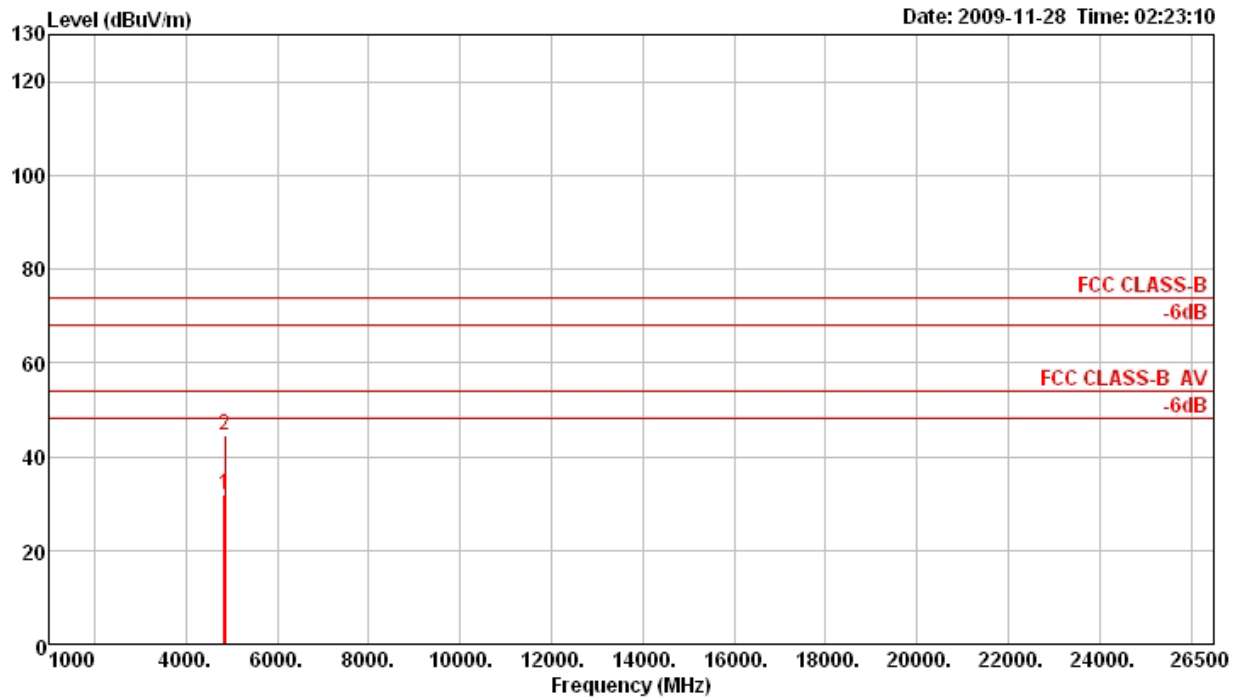
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 3 / Ant. B

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4840.39	31.90	54.00	-22.10	31.60	3.01	35.20	32.49	360	100	Average	HORIZONTAL
2 p	4843.58	44.56	74.00	-29.44	44.26	3.01	35.20	32.49	360	100	Peak	HORIZONTAL

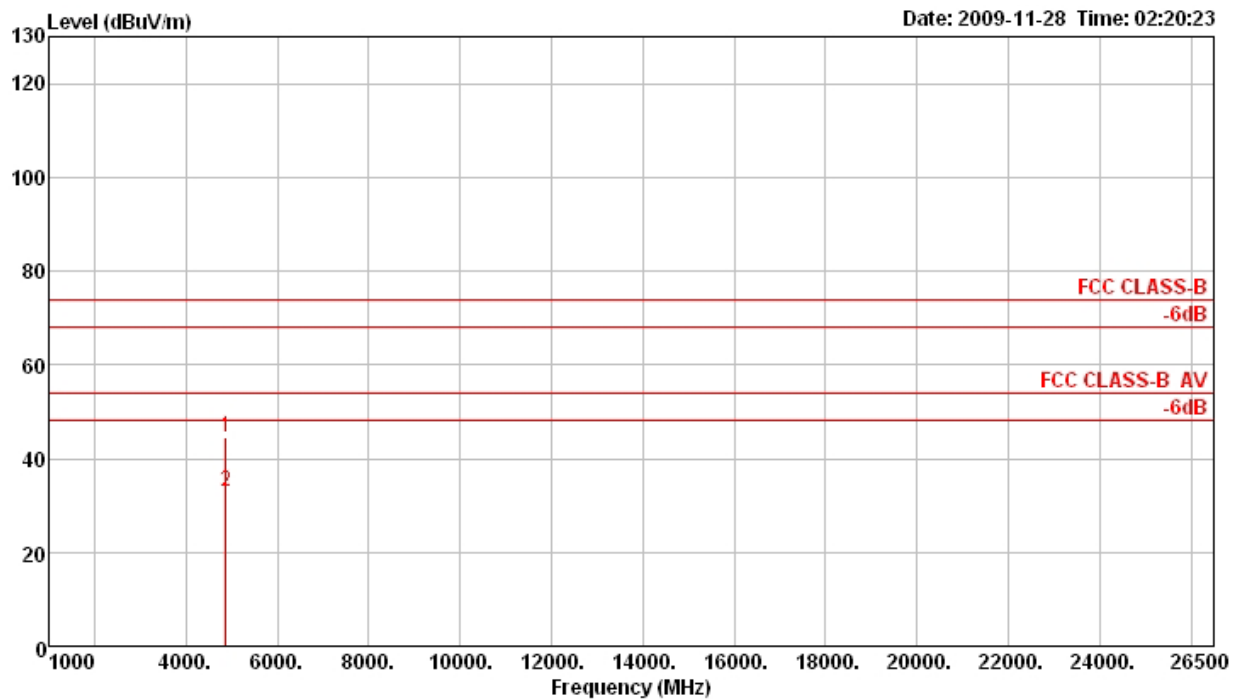
Vertical



		Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4845.40	31.91	54.00	-22.09	31.61	3.01	35.20	32.49	0	100	Average	VERTICAL
2	p	4847.32	44.40	74.00	-29.60	44.10	3.01	35.20	32.49	0	100	Peak	VERTICAL

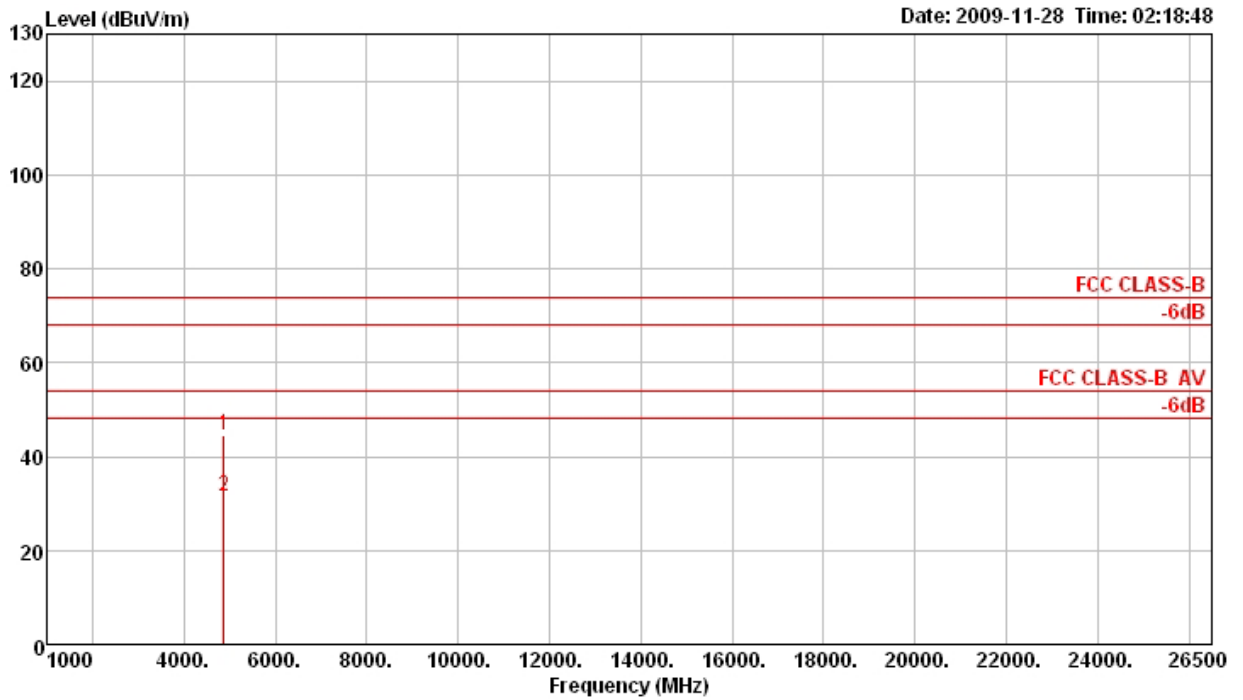
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 6 / Ant. B

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4869.18	44.67	74.00	-29.33	44.25	3.01	35.15	32.56	0	100	Peak	HORIZONTAL
2 a	4874.69	32.84	54.00	-21.16	32.42	3.01	35.15	32.56	0	100	Average	HORIZONTAL

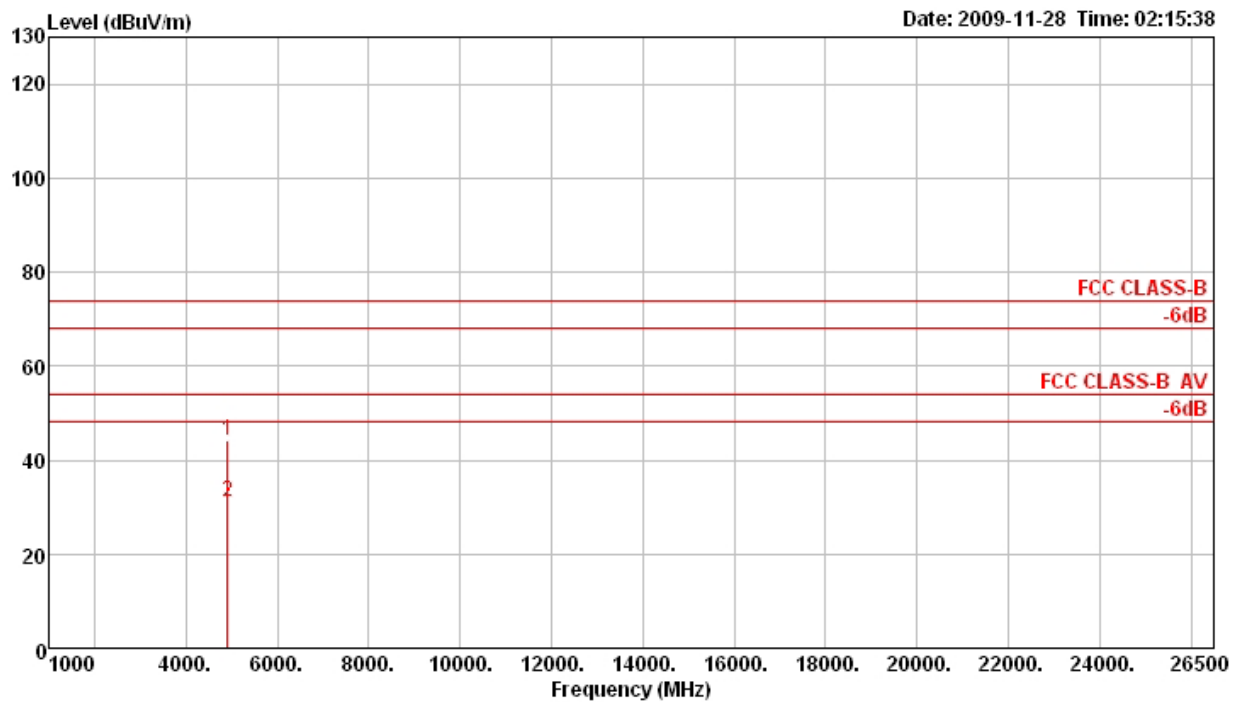
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4872.88	44.45	74.00	-29.55	44.03	3.01	35.15	32.56	360	100	Peak	VERTICAL
2 a	4877.91	31.55	54.00	-22.45	31.13	3.01	35.15	32.56	360	100	Average	VERTICAL

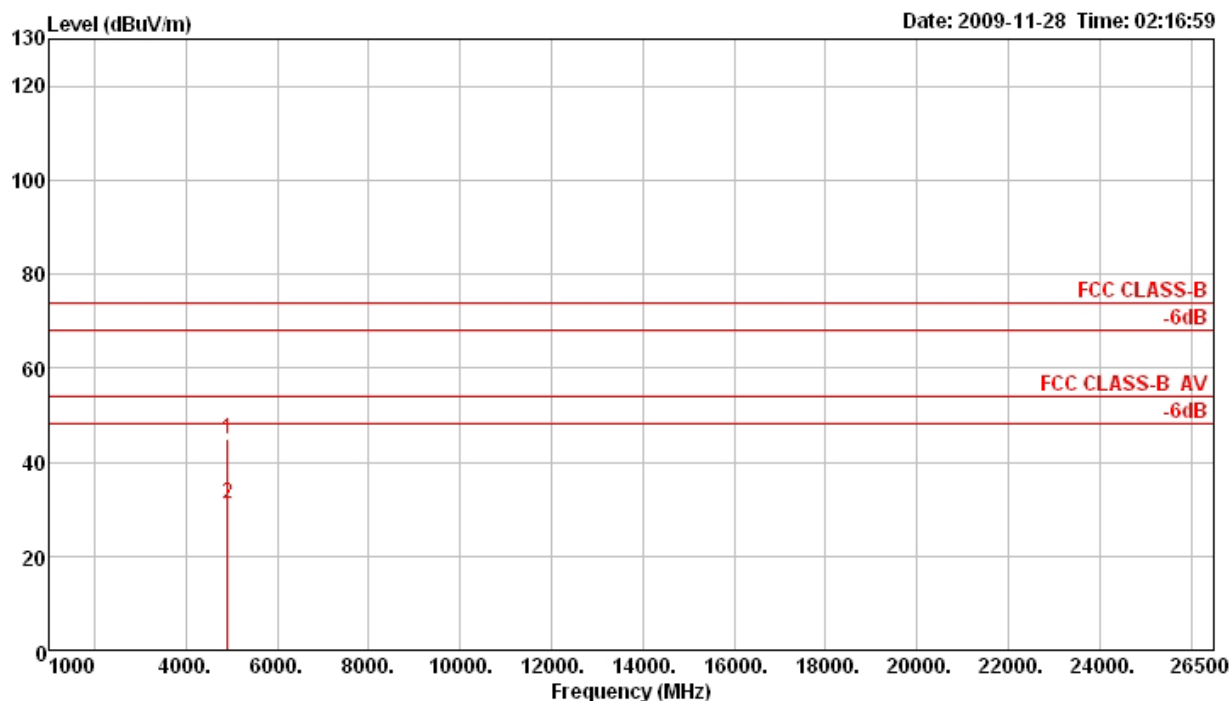
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 9 / Ant. B

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4903.18	44.13	74.00	-29.87	43.57	3.02	35.09	32.63	360	100	Peak	HORIZONTAL
2 a	4906.82	31.05	54.00	-22.95	30.49	3.02	35.09	32.63	360	100	Average	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4904.65	44.83	74.00	-29.17	44.27	3.02	35.09	32.63	0	100	Peak	VERTICAL
2 a	4907.26	30.99	54.00	-23.01	30.43	3.02	35.09	32.63	0	100	Average	VERTICAL

Note:

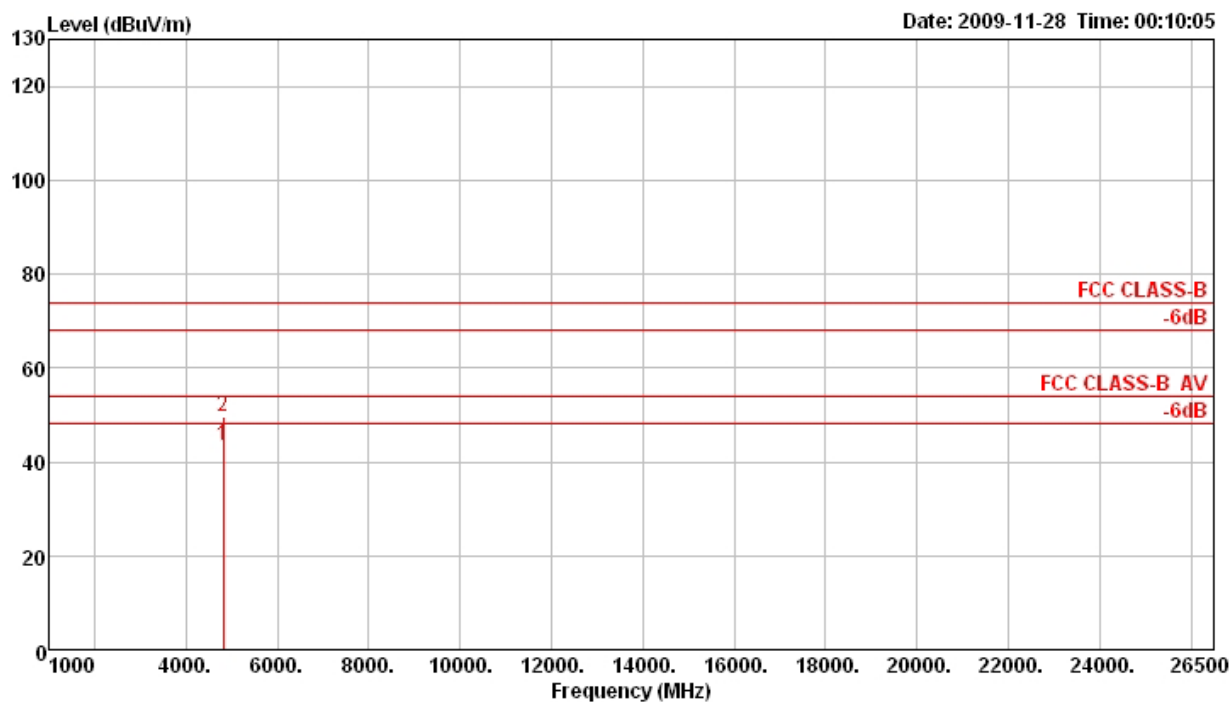
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

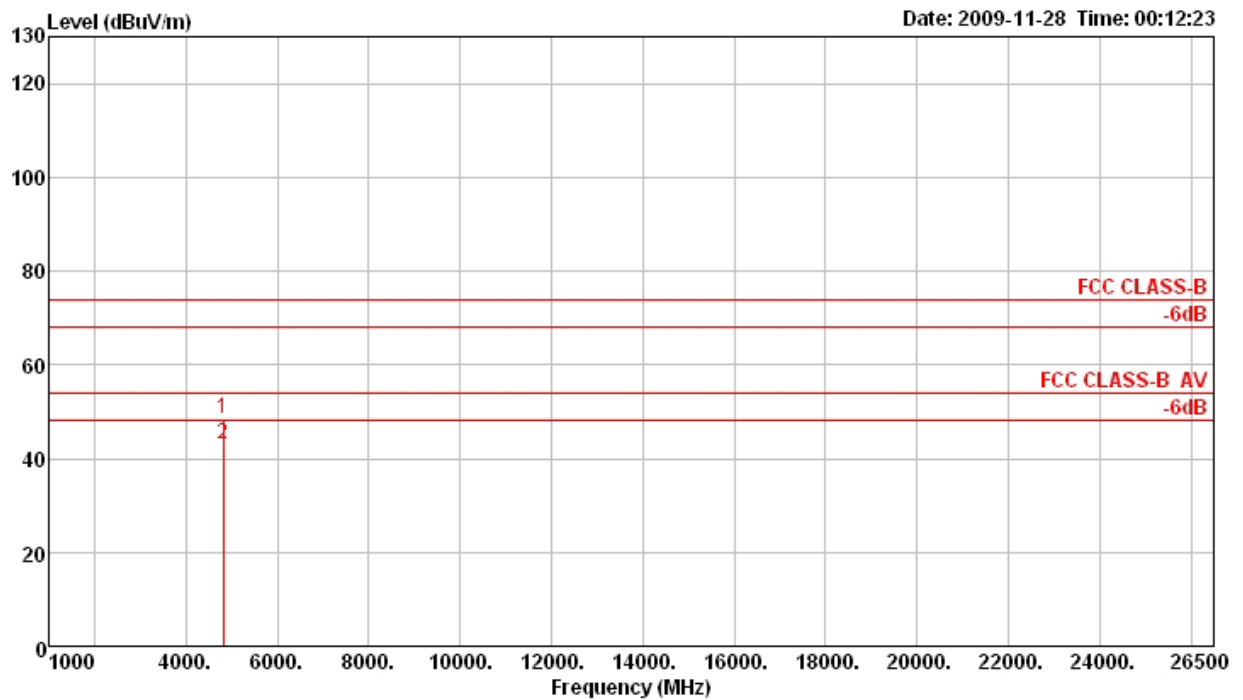
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 1 / Ant. B

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4823.99	43.61	54.00	-10.39	43.41	3.00	35.26	32.46	50	157	Average	HORIZONTAL
2 p	4824.11	49.69	74.00	-24.31	49.49	3.00	35.26	32.46	50	157	Peak	HORIZONTAL

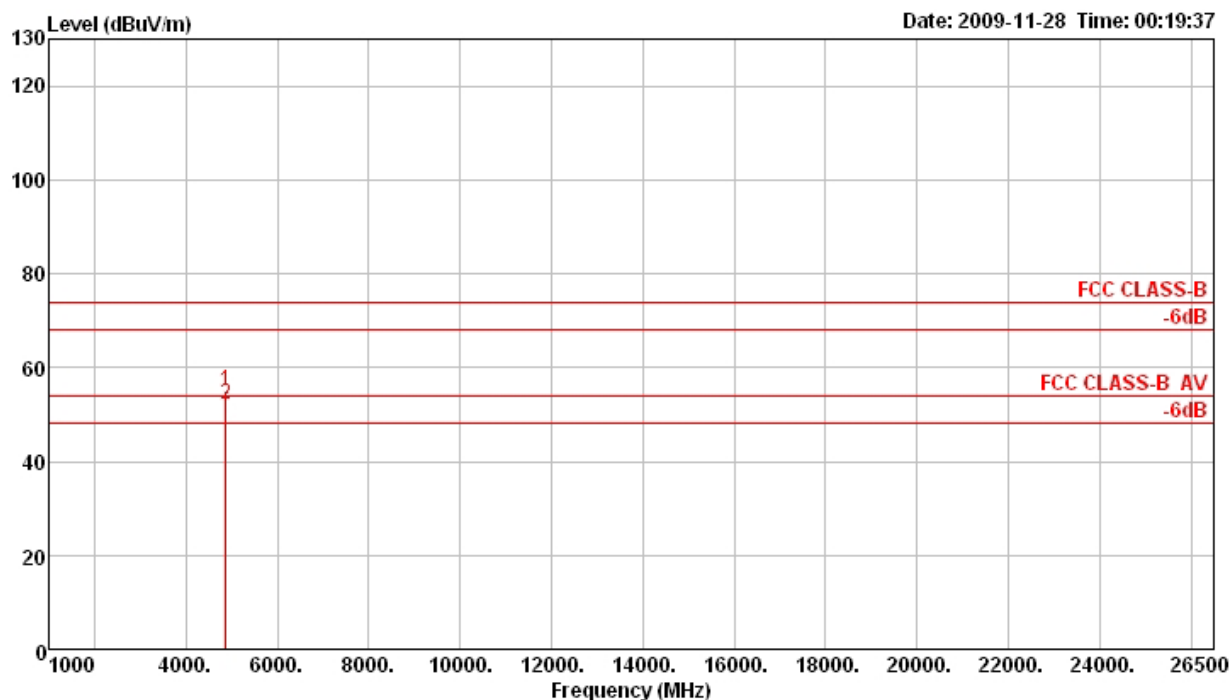
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4824.00	48.61	74.00	-25.39	48.41	3.00	35.26	32.46	268	100	Peak	VERTICAL
2 a	4824.03	43.11	54.00	-10.89	42.91	3.00	35.26	32.46	268	100	Average	VERTICAL

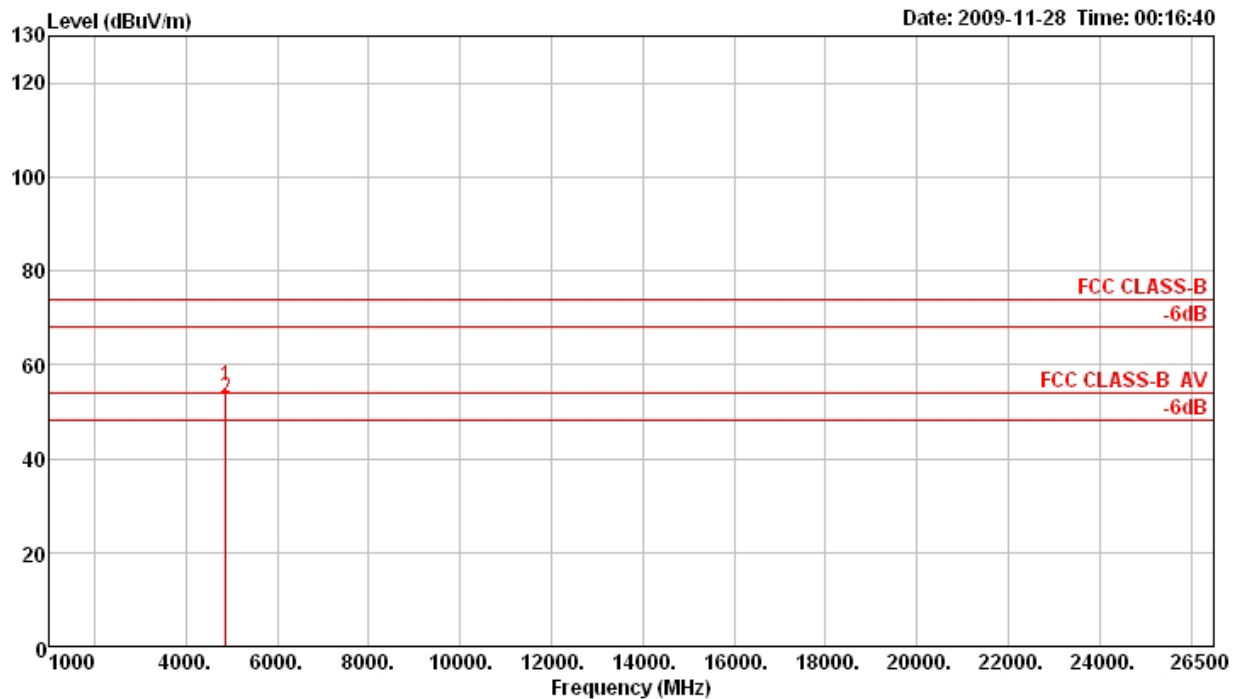
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 6 / Ant. B

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.89	54.94	74.00	-19.06	54.52	3.01	35.15	32.56	53	160	Peak	HORIZONTAL
2 a	4874.01	52.15	54.00	-1.85	51.73	3.01	35.15	32.56	53	160	Average	HORIZONTAL

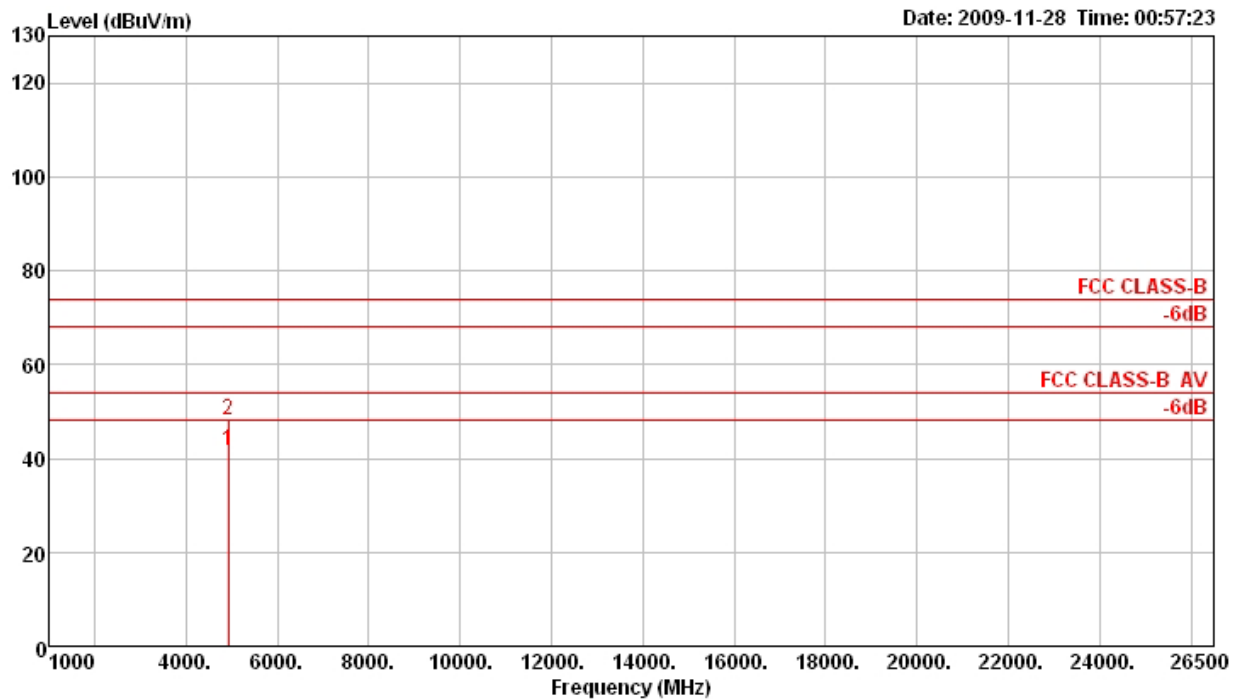
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.99	55.46	74.00	-18.54	55.04	3.01	35.15	32.56	269	100	Peak	VERTICAL
2 a	4874.03	52.71	54.00	-1.29	52.29	3.01	35.15	32.56	269	100	Average	VERTICAL

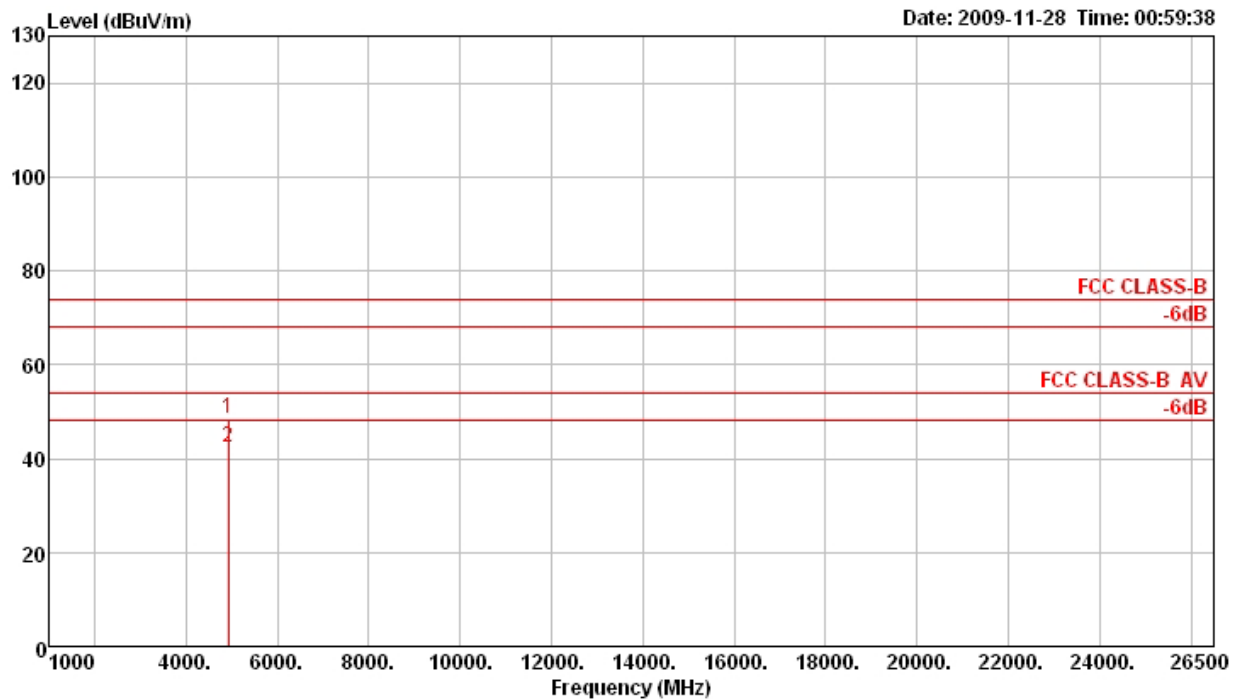
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 11 / Ant. B

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4924.01	41.47	54.00	-12.53	40.82	3.02	35.03	32.66	48	100	Average	HORIZONTAL
2 p	4924.11	48.06	74.00	-25.94	47.41	3.02	35.03	32.66	48	100	Peak	HORIZONTAL

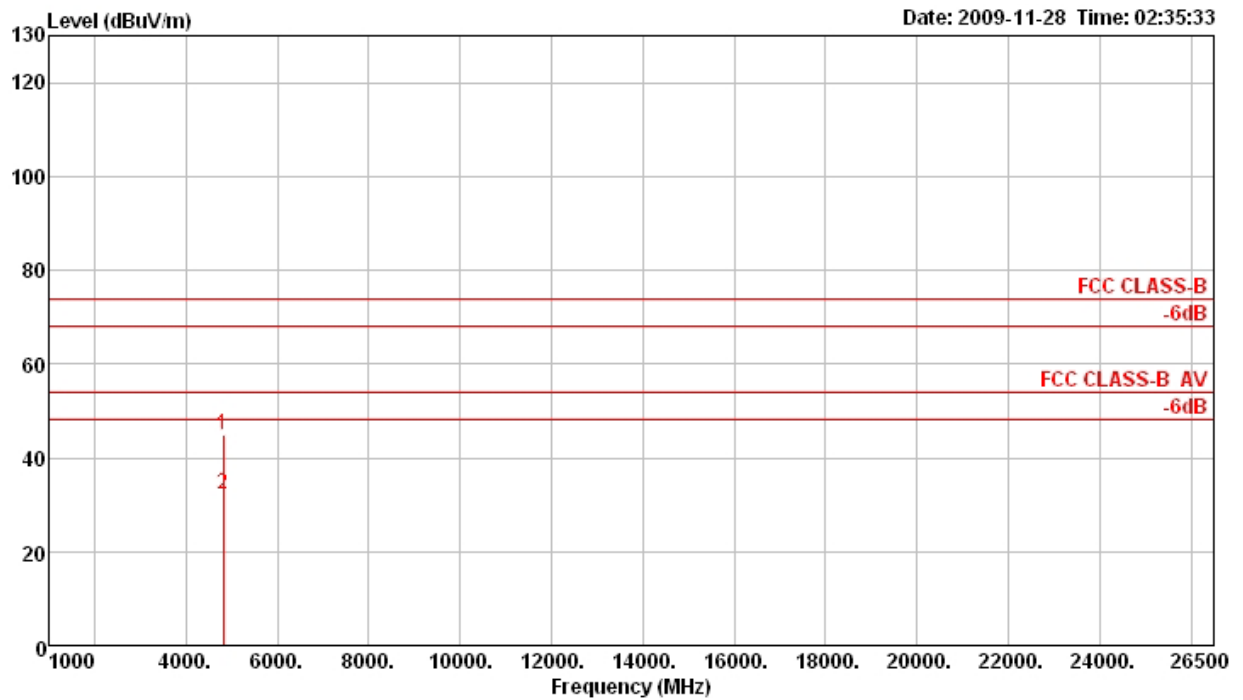
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4923.91	48.66	74.00	-25.34	48.01	3.02	35.03	32.66	254	110	Peak	VERTICAL
2 a	4924.02	42.22	54.00	-11.78	41.57	3.02	35.03	32.66	254	110	Average	VERTICAL

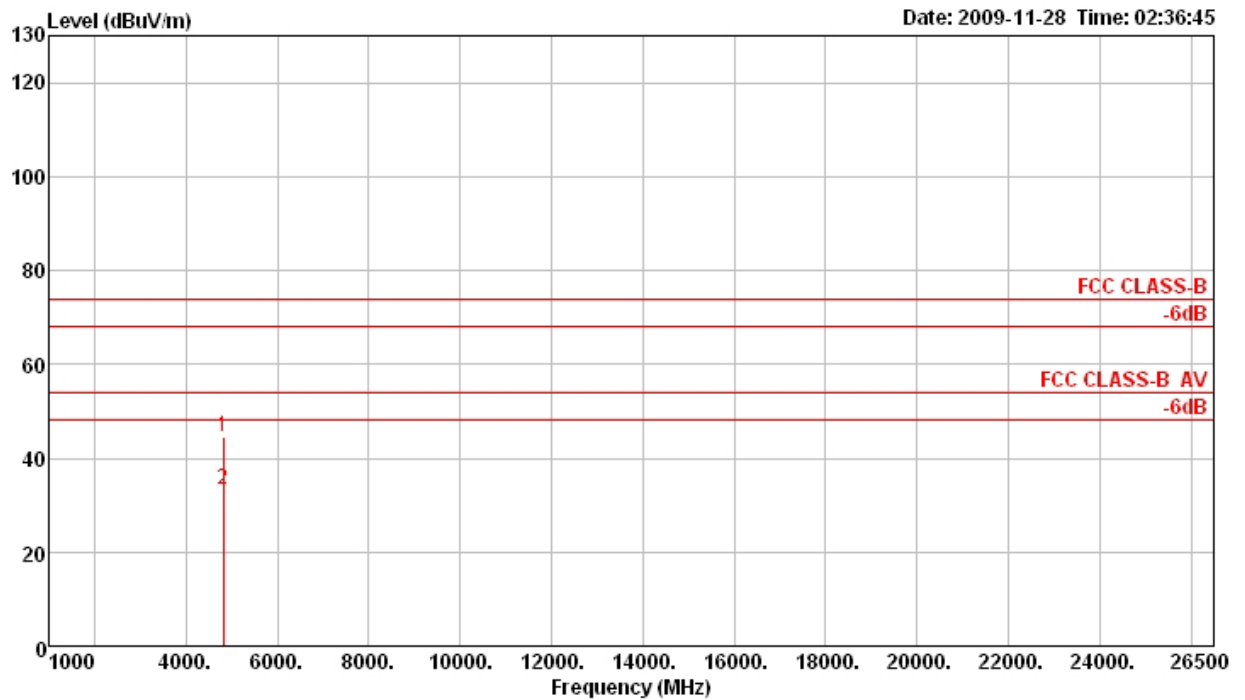
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 1 / Ant. B

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4820.19	44.89	74.00	-29.11	44.69	3.00	35.26	32.46	0	100	Peak	HORIZONTAL
2 a	4823.63	32.29	54.00	-21.71	32.09	3.00	35.26	32.46	0	100	Average	HORIZONTAL

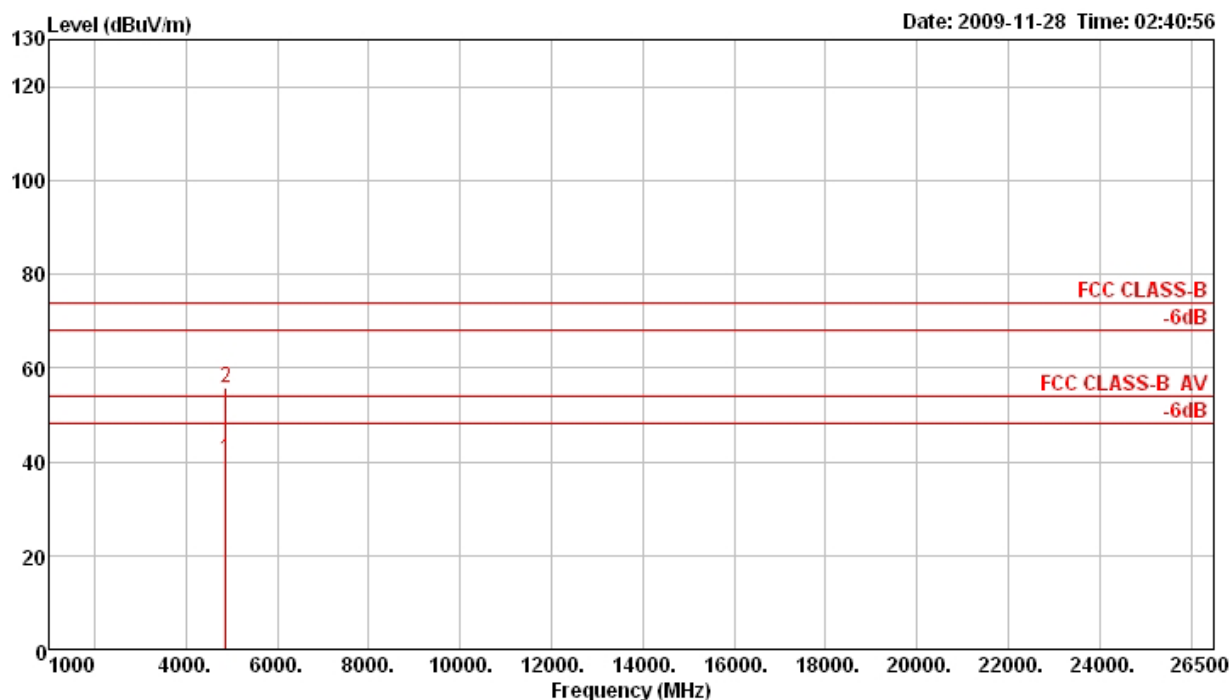
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4821.02	44.51	74.00	-29.49	44.31	3.00	35.26	32.46	360	100	Peak	VERTICAL
2 a	4826.94	33.19	54.00	-20.81	32.99	3.00	35.26	32.46	360	100	Average	VERTICAL

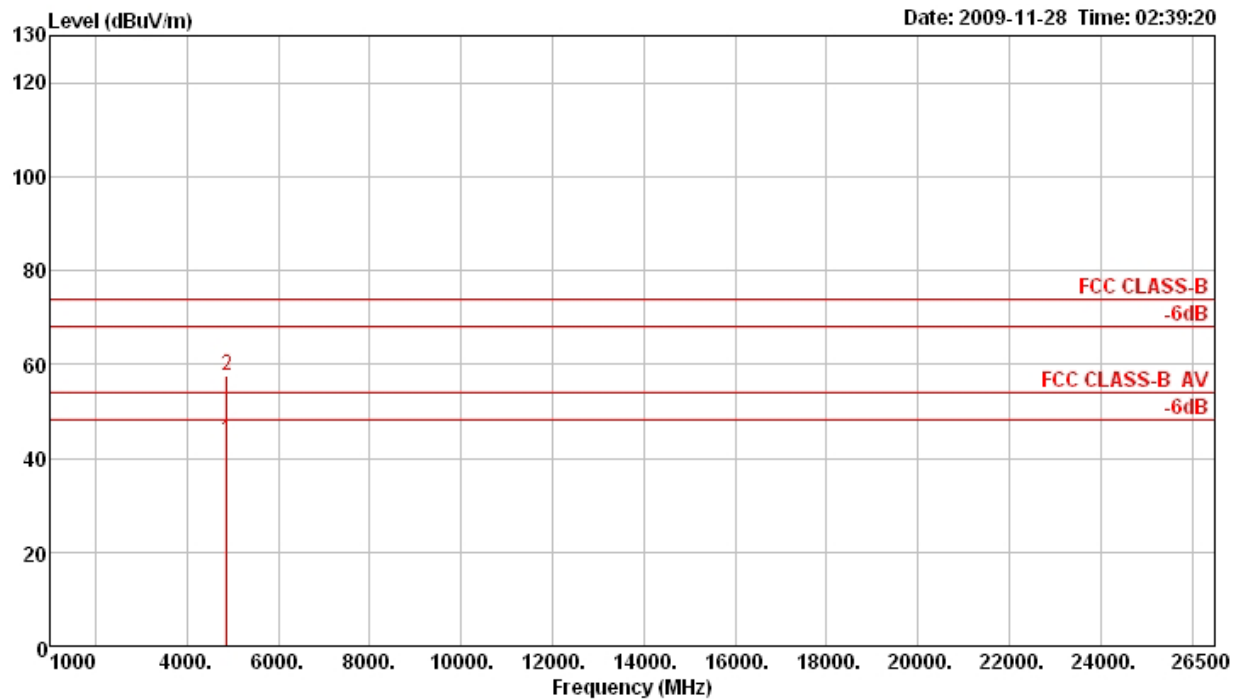
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 6 / Ant. B

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4875.27	40.38	54.00	-13.62	39.96	3.01	35.15	32.56	38	100	Average	HORIZONTAL
2 p	4875.61	55.77	74.00	-18.23	55.35	3.01	35.15	32.56	38	100	Peak	HORIZONTAL

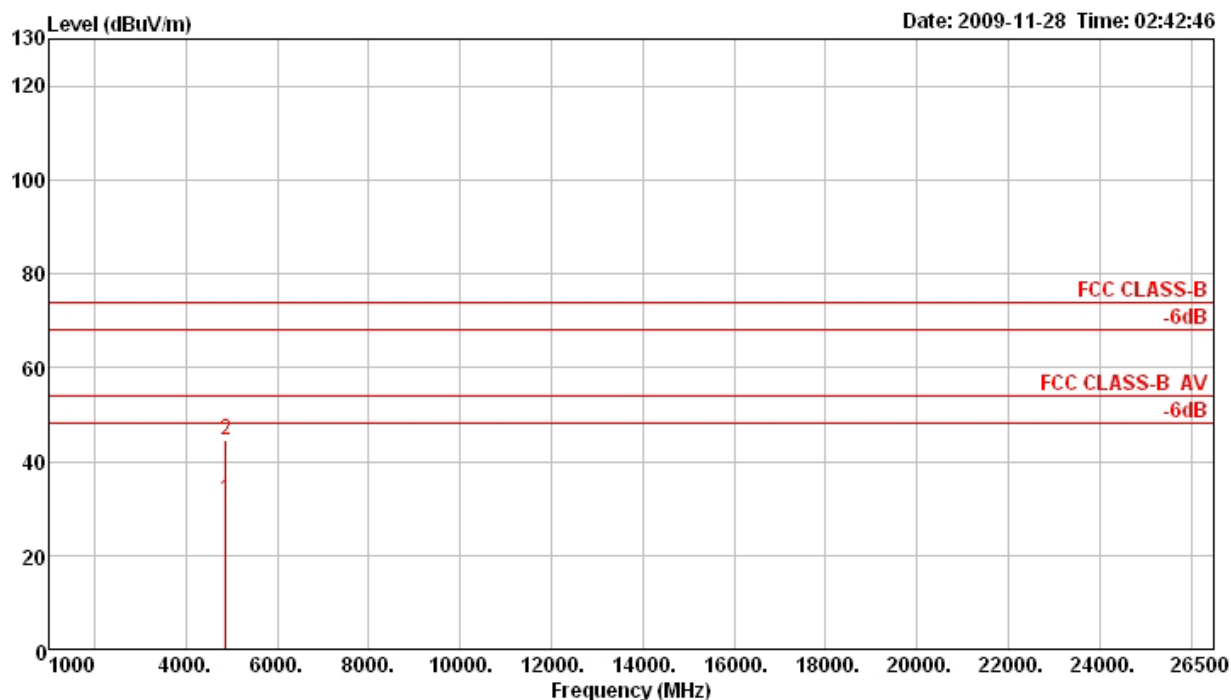
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4874.91	43.68	54.00	-10.32	43.26	3.01	35.15	32.56	262	100	Average	VERTICAL
2 p	4875.66	57.58	74.00	-16.42	57.16	3.01	35.15	32.56	262	100	Peak	VERTICAL

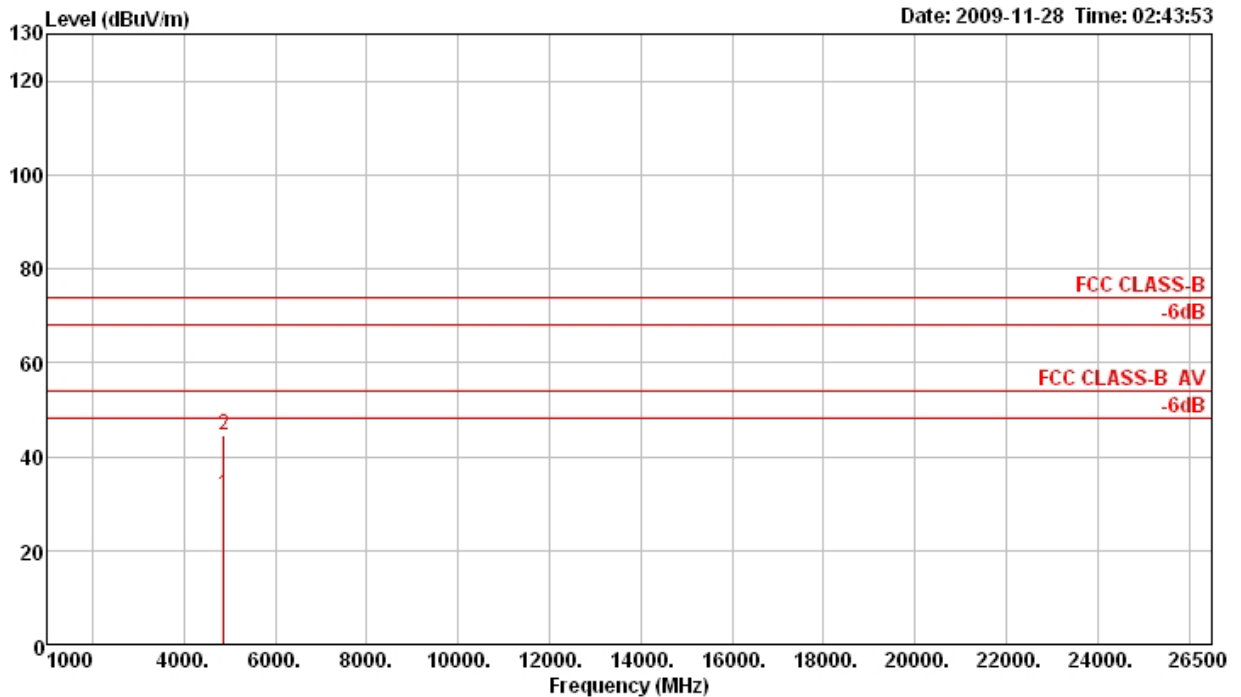
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 11 / Ant. B

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4869.24	31.87	54.00	-22.13	31.45	3.01	35.15	32.56	360	100	Average	HORIZONTAL
2 p	4869.63	44.71	74.00	-29.29	44.29	3.01	35.15	32.56	360	100	Peak	HORIZONTAL

Vertical



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4869.08	31.83	54.00	-22.17	31.41	3.01	35.15	32.56	1	100	Average	VERTICAL
2	p	4875.89	44.39	74.00	-29.61	43.97	3.01	35.15	32.56	0	100	Peak	VERTICAL

Note:

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

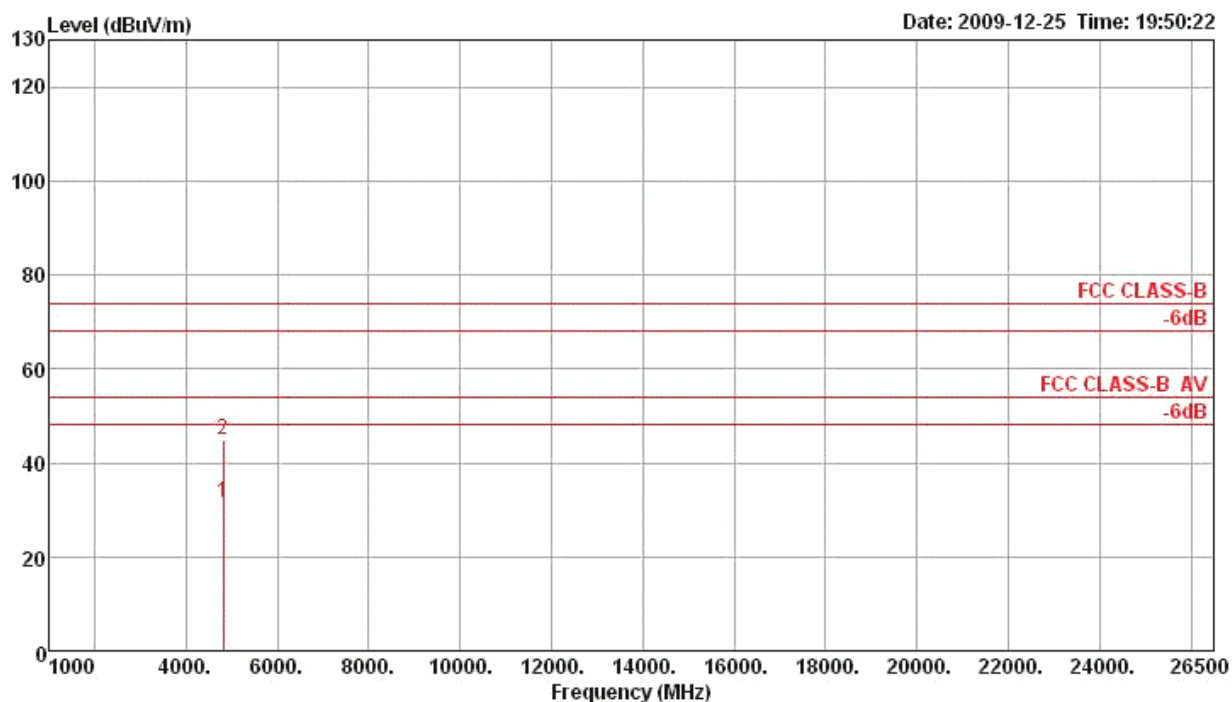
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

<For Antenna C>

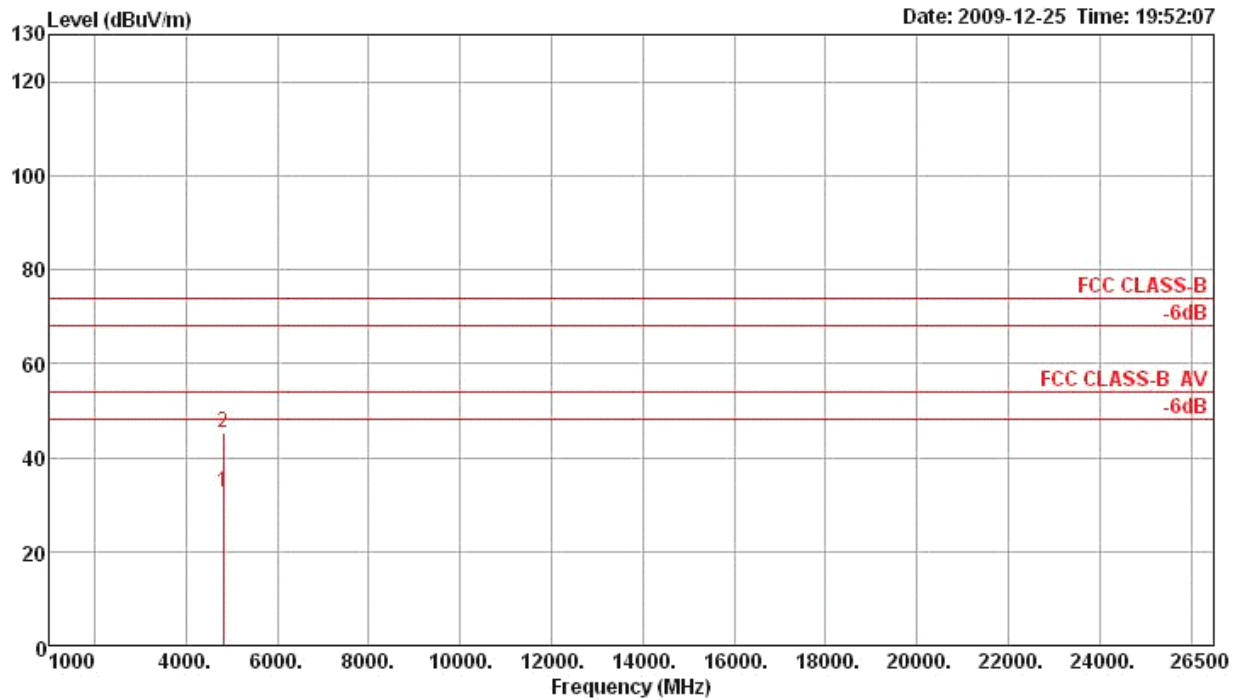
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch 1 / Ant. C

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4823.98	31.41	54.00	-22.59	31.21	3.00	35.26	32.46	360	100	Average	HORIZONTAL
2 p	4824.01	44.75	74.00	-29.25	44.55	3.00	35.26	32.46	360	100	Peak	HORIZONTAL

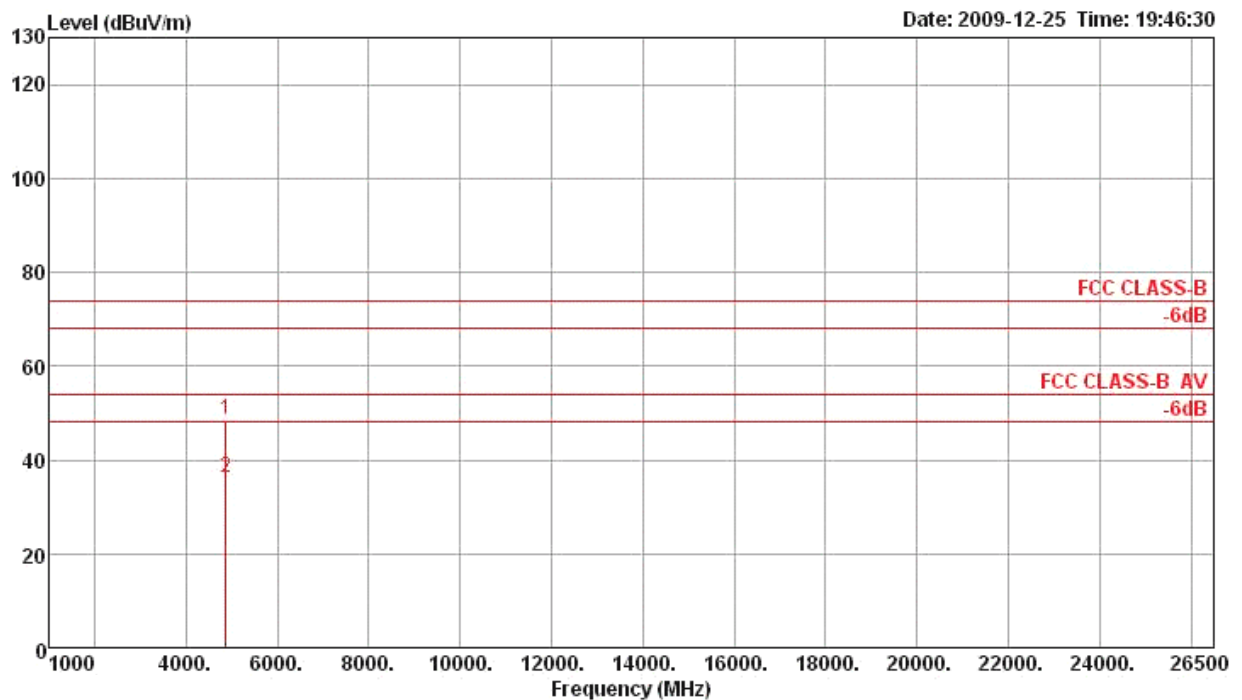
Vertical



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4823.98	32.53	54.00	-21.47	32.33	3.00	35.26	32.46	0	100	Average	VERTICAL
2	p	4824.02	45.36	74.00	-28.64	45.16	3.00	35.26	32.46	0	100	Peak	VERTICAL

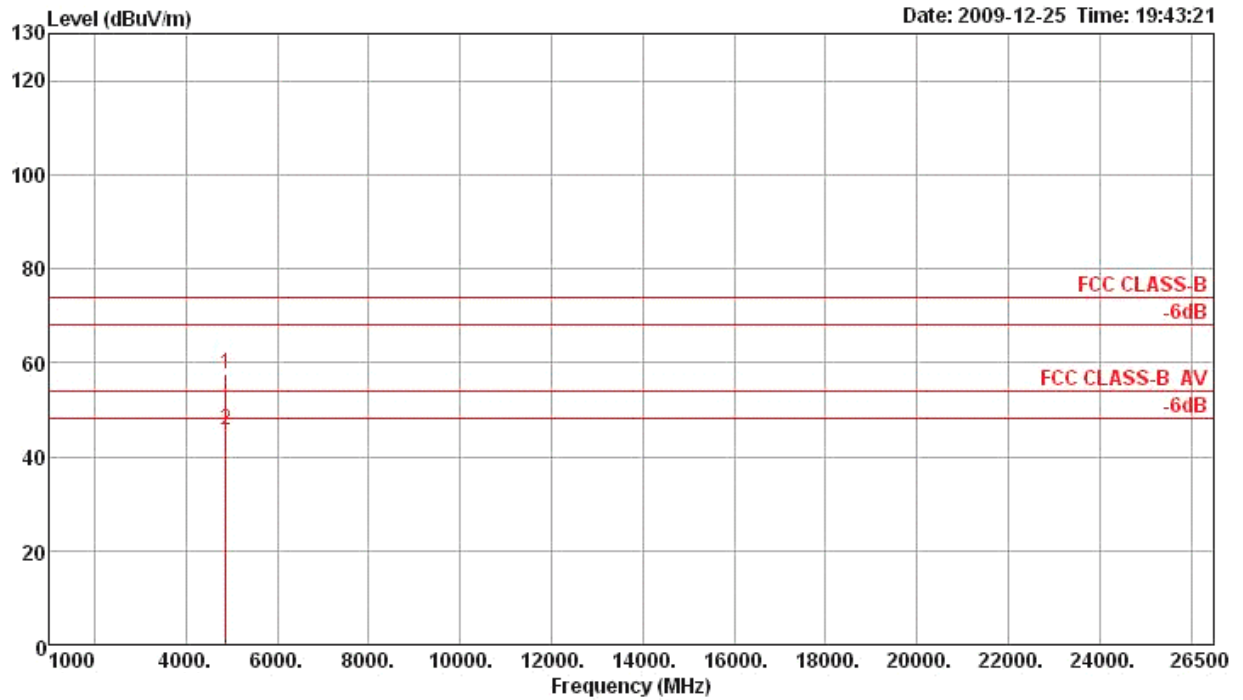
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch 6 / Ant. C

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.48	48.56	74.00	-25.44	48.14	3.01	35.15	32.56	141	100	Peak	HORIZONTAL
2 a	4874.39	36.13	54.00	-17.87	35.71	3.01	35.15	32.56	141	100	Average	HORIZONTAL

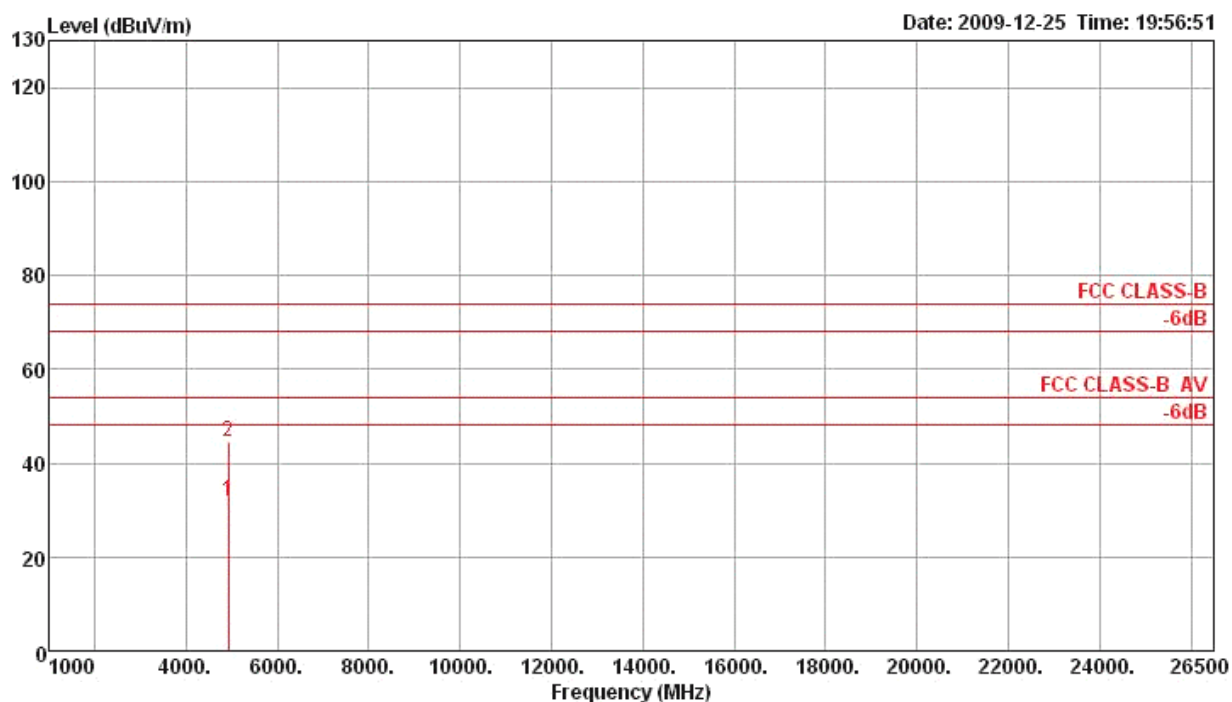
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.74	57.73	74.00	-16.27	57.31	3.01	35.15	32.56	107	100	Peak	VERTICAL
2 a	4874.88	45.52	54.00	-8.48	45.10	3.01	35.15	32.56	107	100	Average	VERTICAL

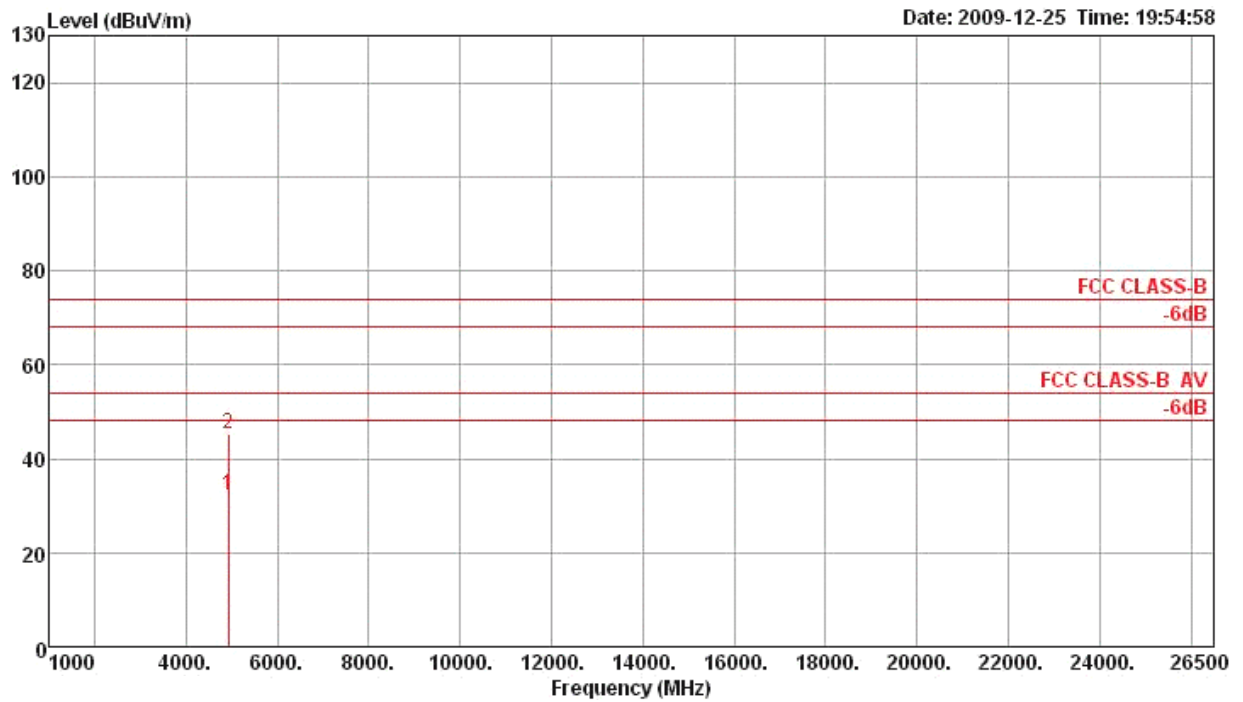
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch11 / Ant. C

Horizontal



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4923.99	31.88	54.00	-22.12	31.23	3.02	35.03	32.66	0	100	Average	HORIZONTAL
2	p	4924.02	44.71	74.00	-29.29	44.06	3.02	35.03	32.66	0	100	Peak	HORIZONTAL

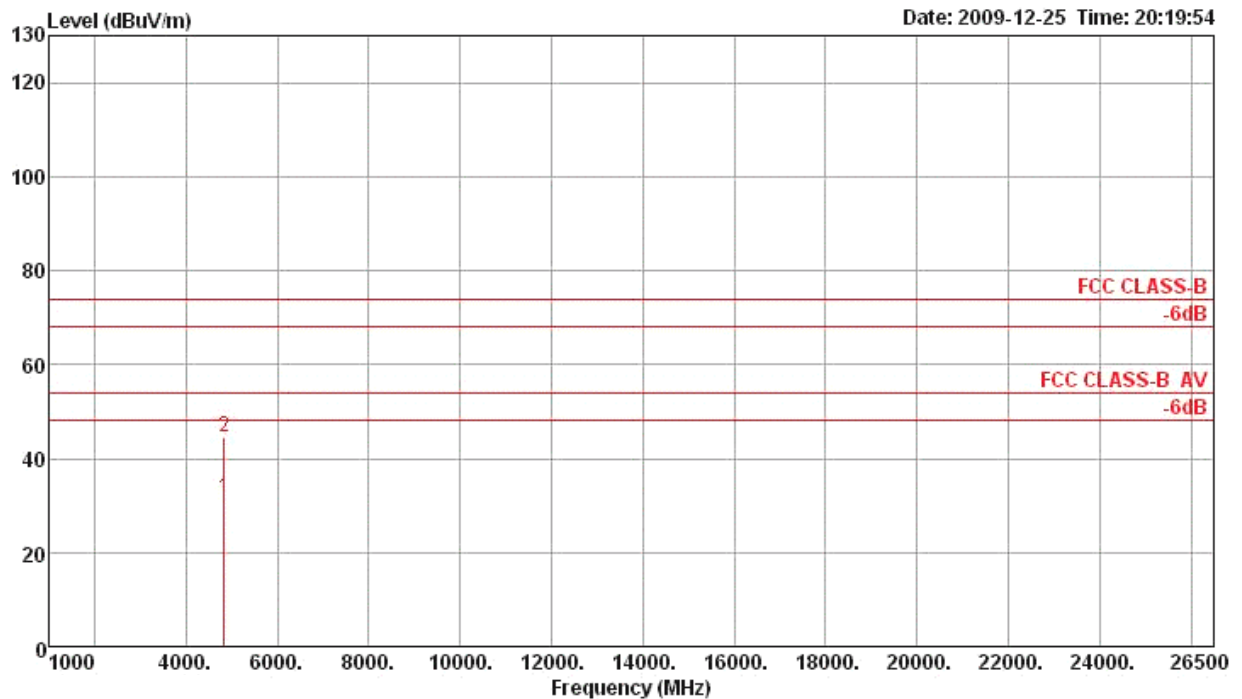
Vertical



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4923.98	32.33	54.00	-21.67	31.68	3.02	35.03	32.66	360	100	Average	VERTICAL
2	p	4924.01	45.44	74.00	-28.56	44.79	3.02	35.03	32.66	360	100	Peak	VERTICAL

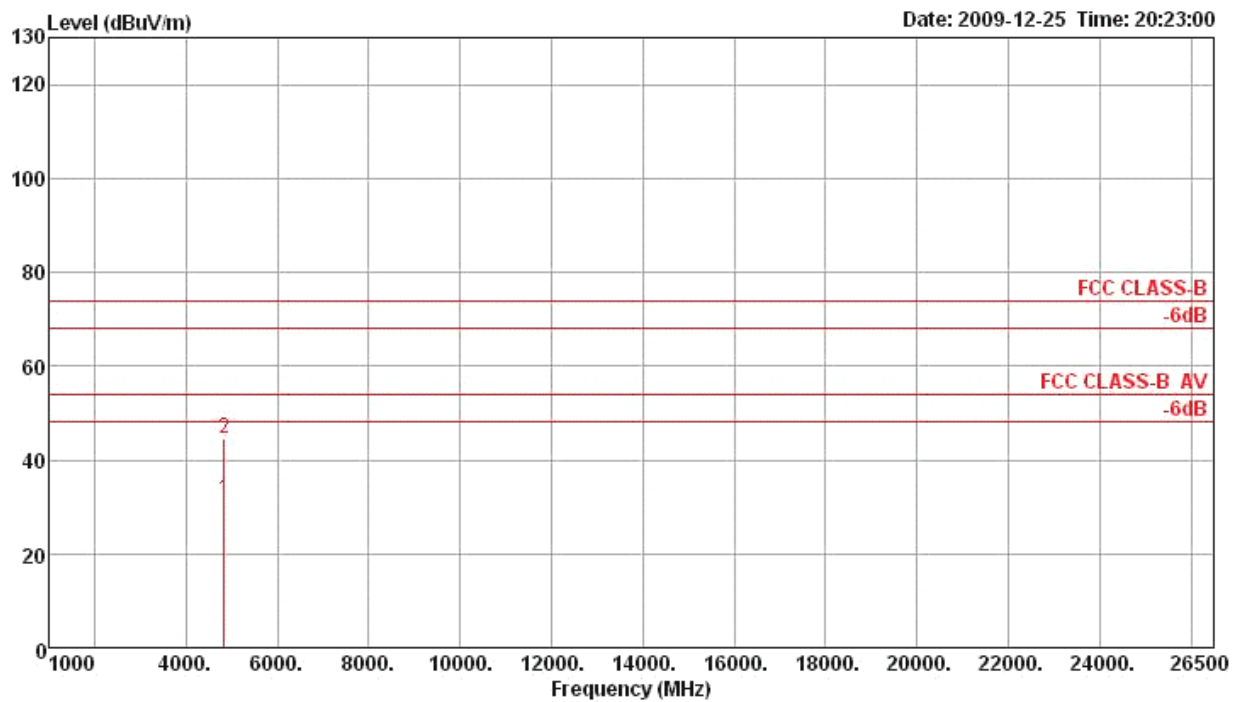
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 3 / Ant. C

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4843.98	31.49	54.00	-22.51	31.19	3.01	35.20	32.49	0	100	Average	HORIZONTAL
2 p	4843.98	44.45	74.00	-29.55	44.15	3.01	35.20	32.49	0	100	Peak	HORIZONTAL

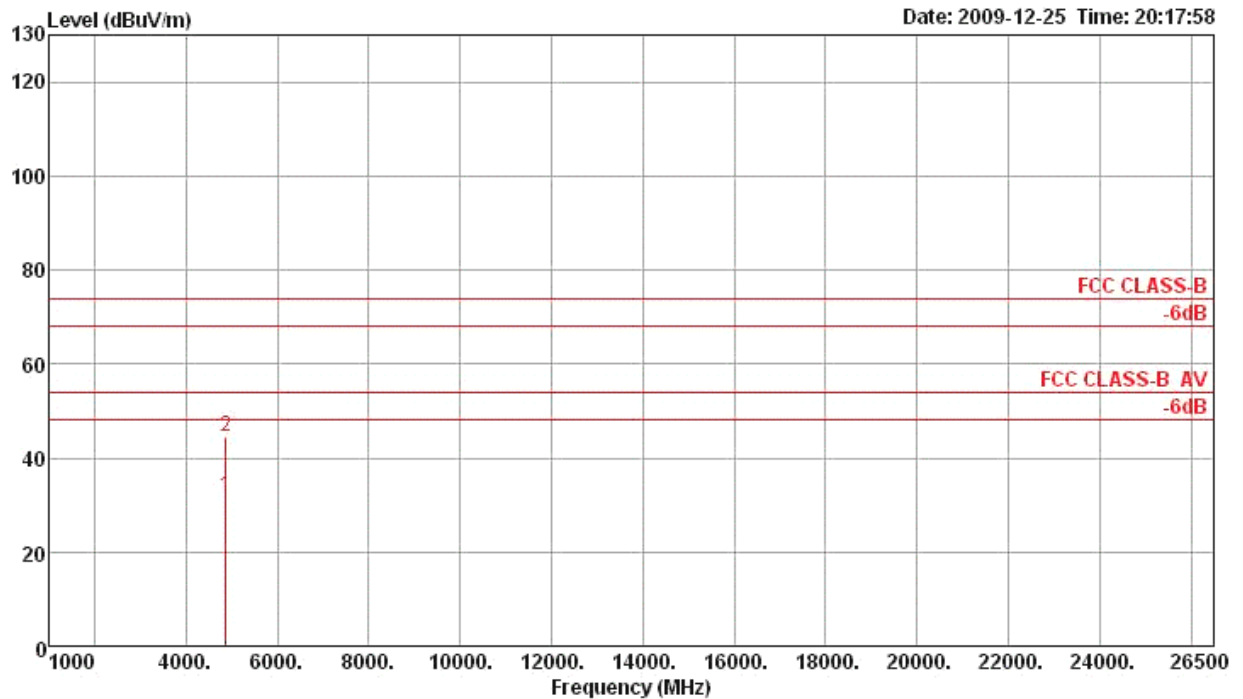
Vertical



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4843.99	31.58	54.00	-22.42	31.28	3.01	35.20	32.49	360	100	Average	VERTICAL
2	p	4844.02	44.57	74.00	-29.43	44.27	3.01	35.20	32.49	360	100	Peak	VERTICAL

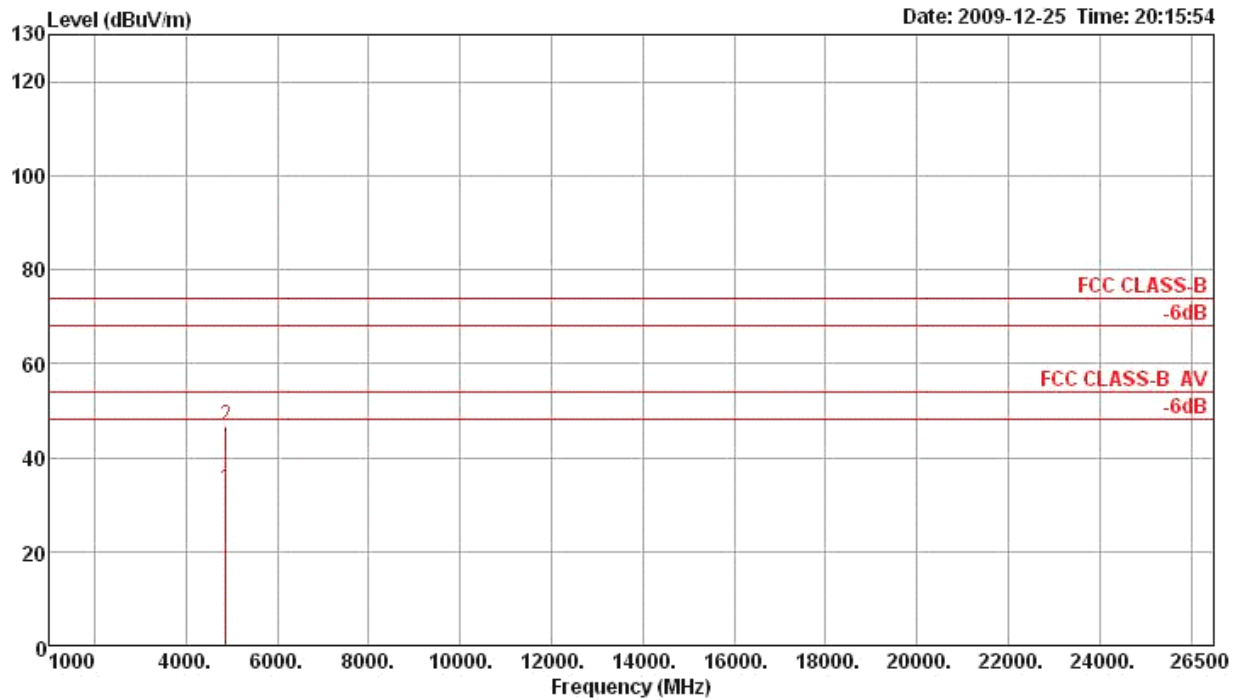
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 6 / Ant. C

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4874.00	31.70	54.00	-22.30	31.28	3.01	35.15	32.56	360	100	Average	HORIZONTAL
2 p	4874.02	44.55	74.00	-29.45	44.13	3.01	35.15	32.56	360	100	Peak	HORIZONTAL

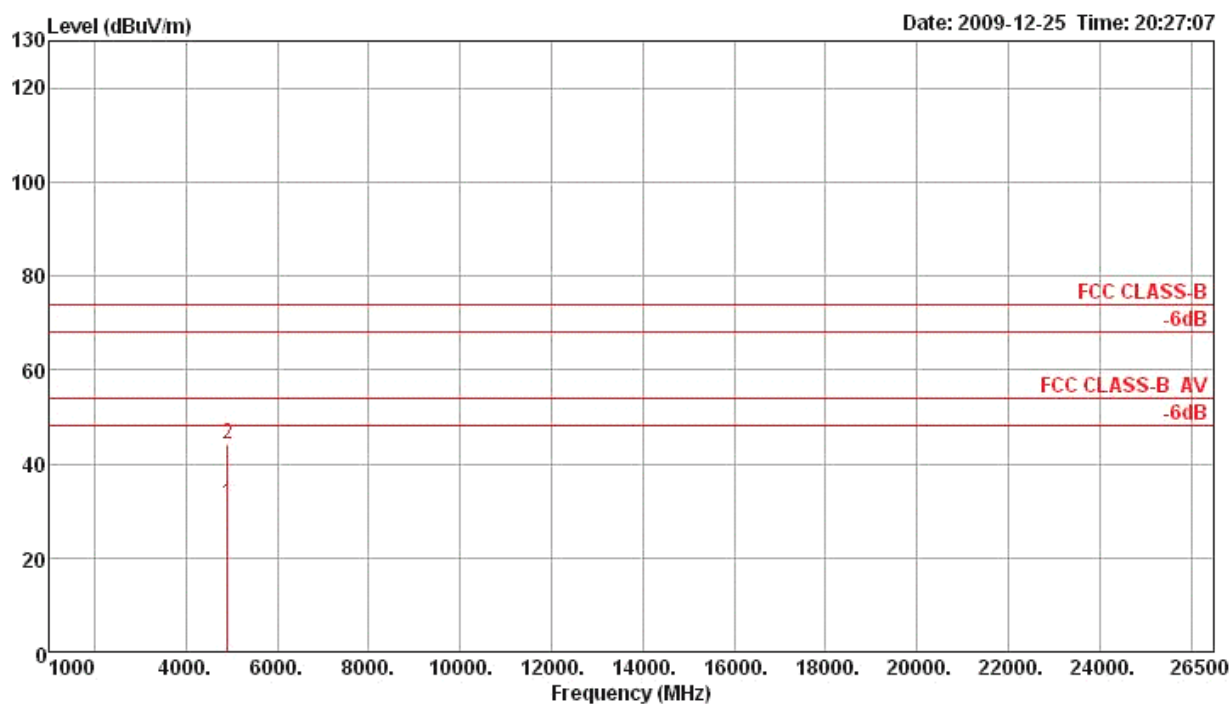
Vertical



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4874.01	33.27	54.00	-20.73	32.85	3.01	35.15	32.56	106	100	Average	VERTICAL
2	p	4874.01	46.76	74.00	-27.24	46.34	3.01	35.15	32.56	106	100	Peak	VERTICAL

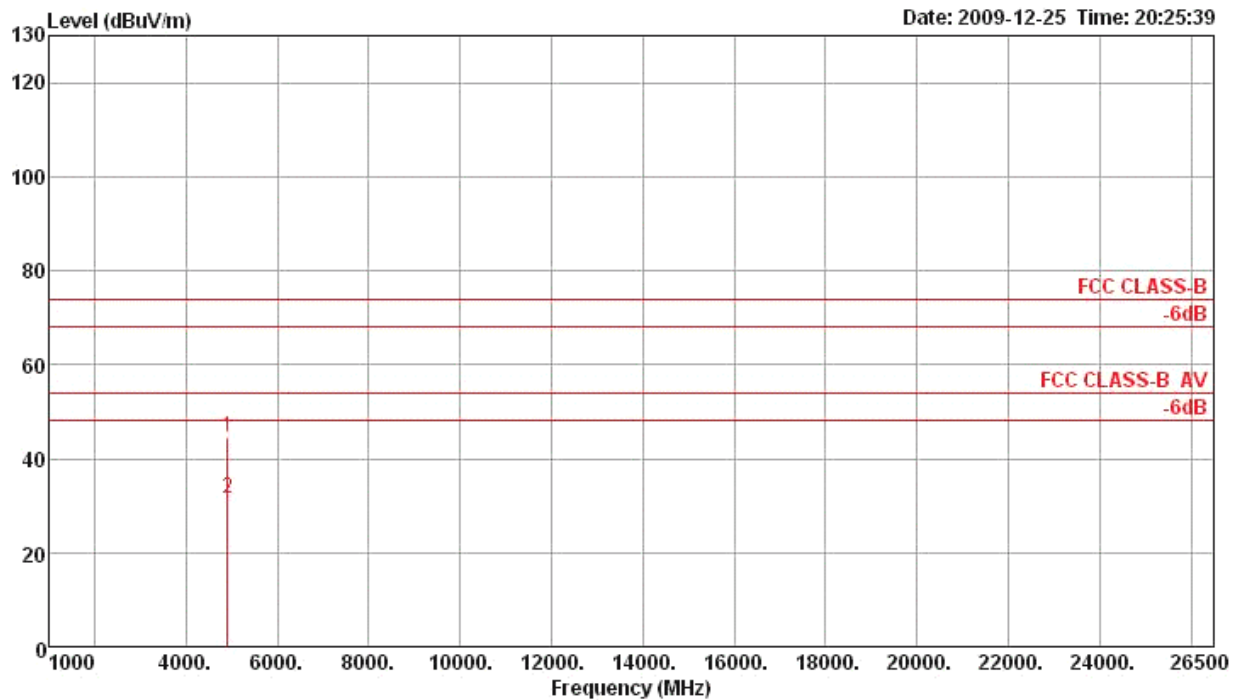
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 9 / Ant. C

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4904.00	31.61	54.00	-22.39	31.05	3.02	35.09	32.63	360	100	Average	HORIZONTAL
2 p	4904.01	44.04	74.00	-29.96	43.48	3.02	35.09	32.63	360	100	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4903.98	44.51	74.00	-29.49	43.95	3.02	35.09	32.63	0	100	Peak	VERTICAL
2 a	4904.02	31.61	54.00	-22.39	31.05	3.02	35.09	32.63	0	100	Average	VERTICAL

Note:

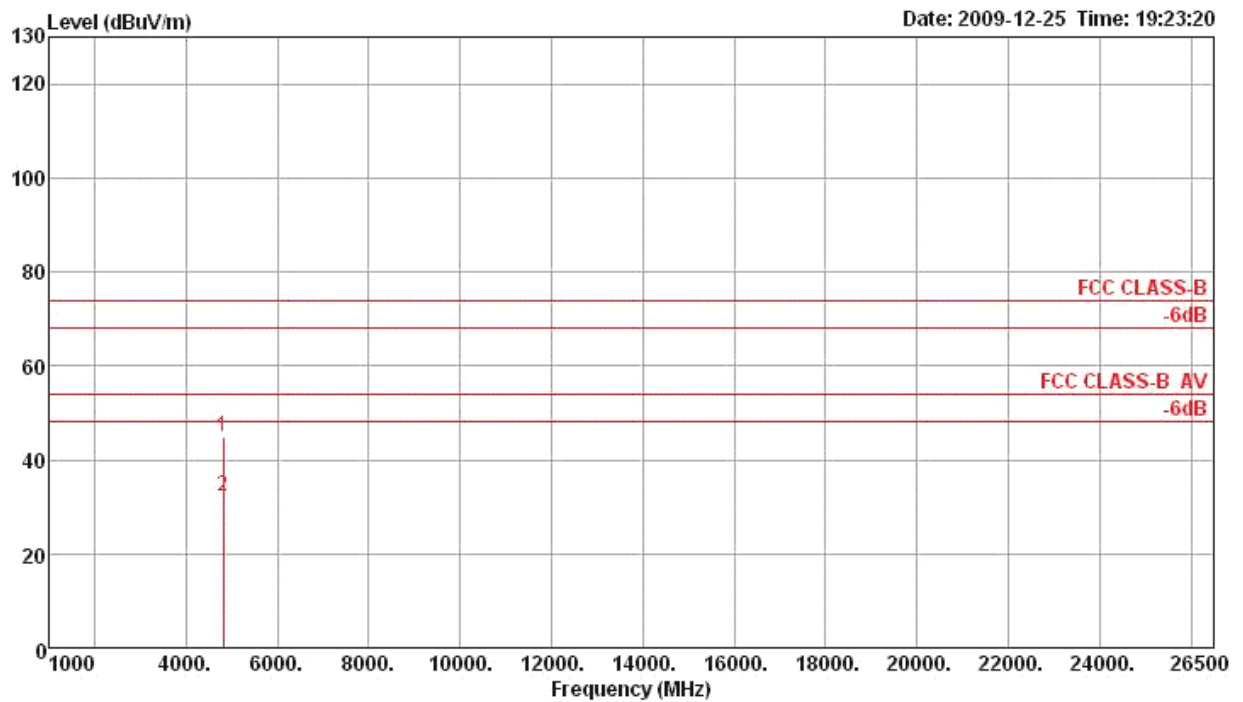
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

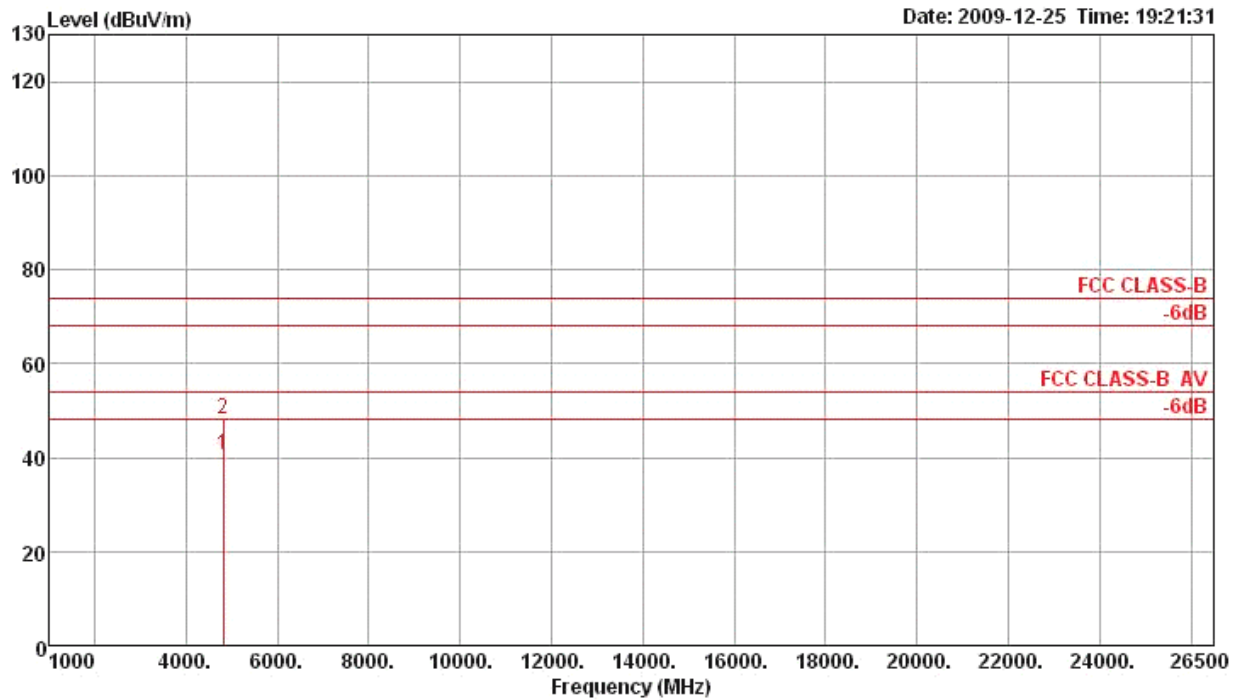
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 1 / Ant. C

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4823.99	45.02	74.00	-28.98	44.82	3.00	35.26	32.46	0	100	Peak	HORIZONTAL
2 a	4824.01	32.12	54.00	-21.88	31.92	3.00	35.26	32.46	0	100	Average	HORIZONTAL

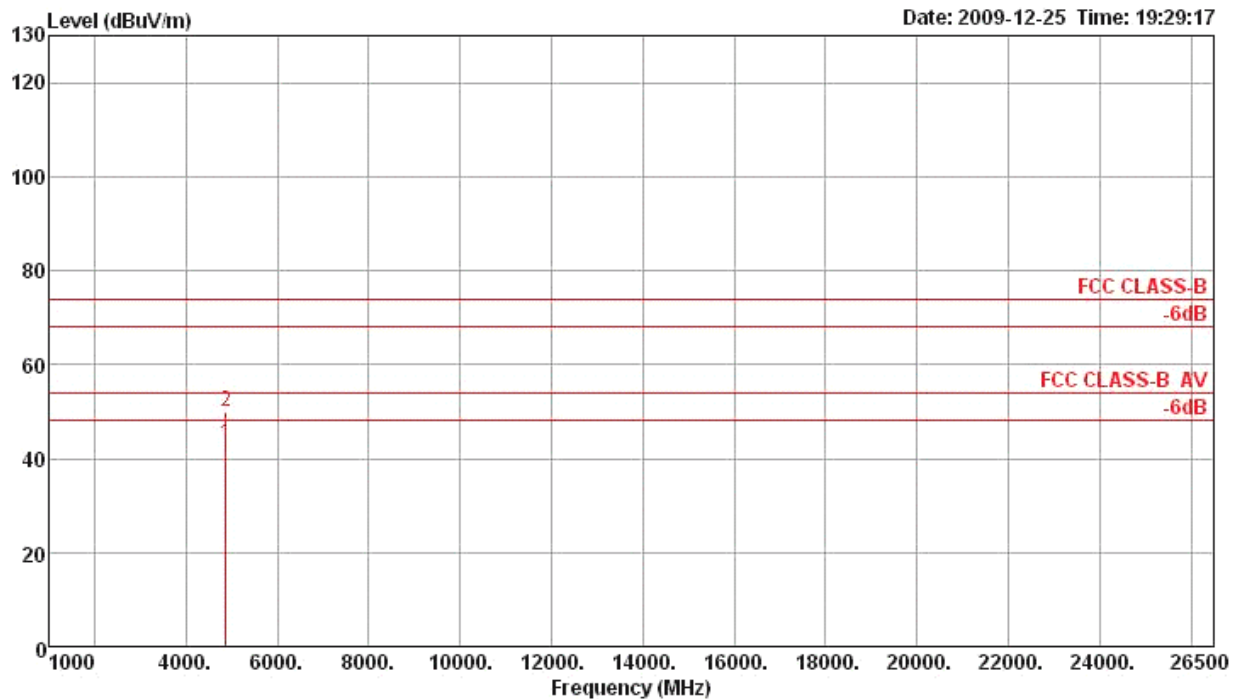
Vertical



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4823.96	40.53	54.00	-13.47	40.33	3.00	35.26	32.46	163	100	Average	VERTICAL
2	p	4824.11	48.08	74.00	-25.92	47.88	3.00	35.26	32.46	163	100	Peak	VERTICAL

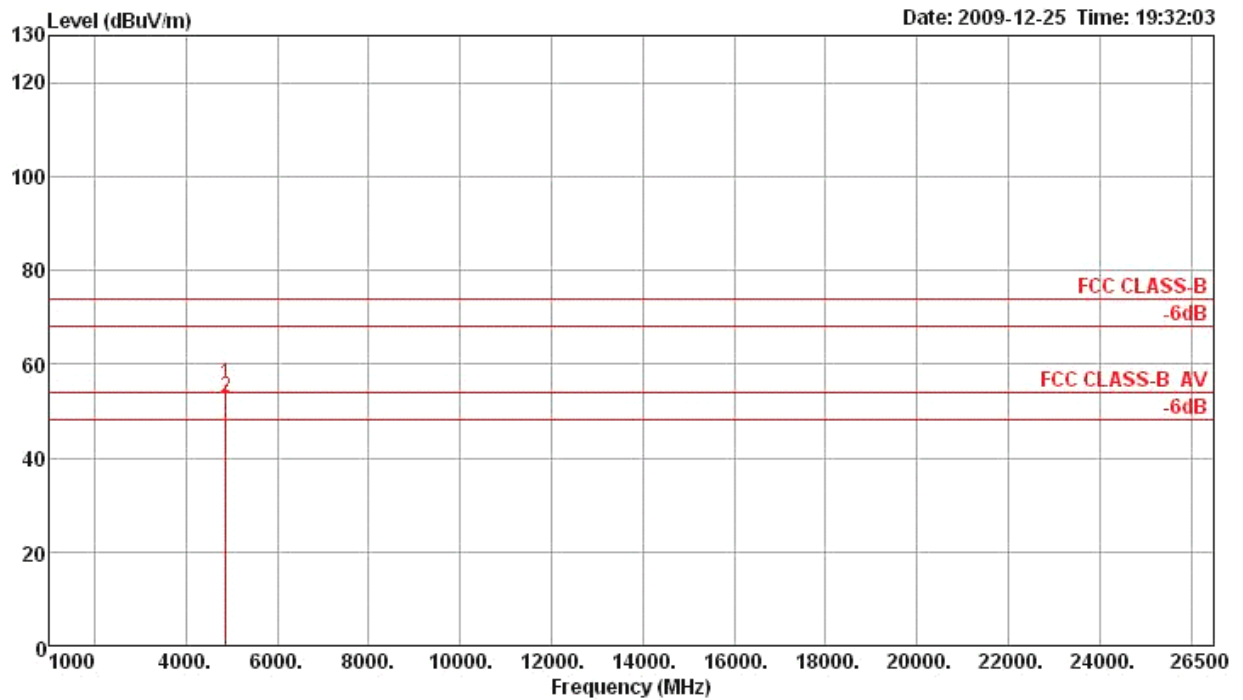
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 6 / Ant. C

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1 a	4873.96	42.93	54.00	-11.07	42.51	3.01	35.15	32.56	273	100	Average	HORIZONTAL
2 p	4873.97	50.00	74.00	-24.00	49.58	3.01	35.15	32.56	273	100	Peak	HORIZONTAL

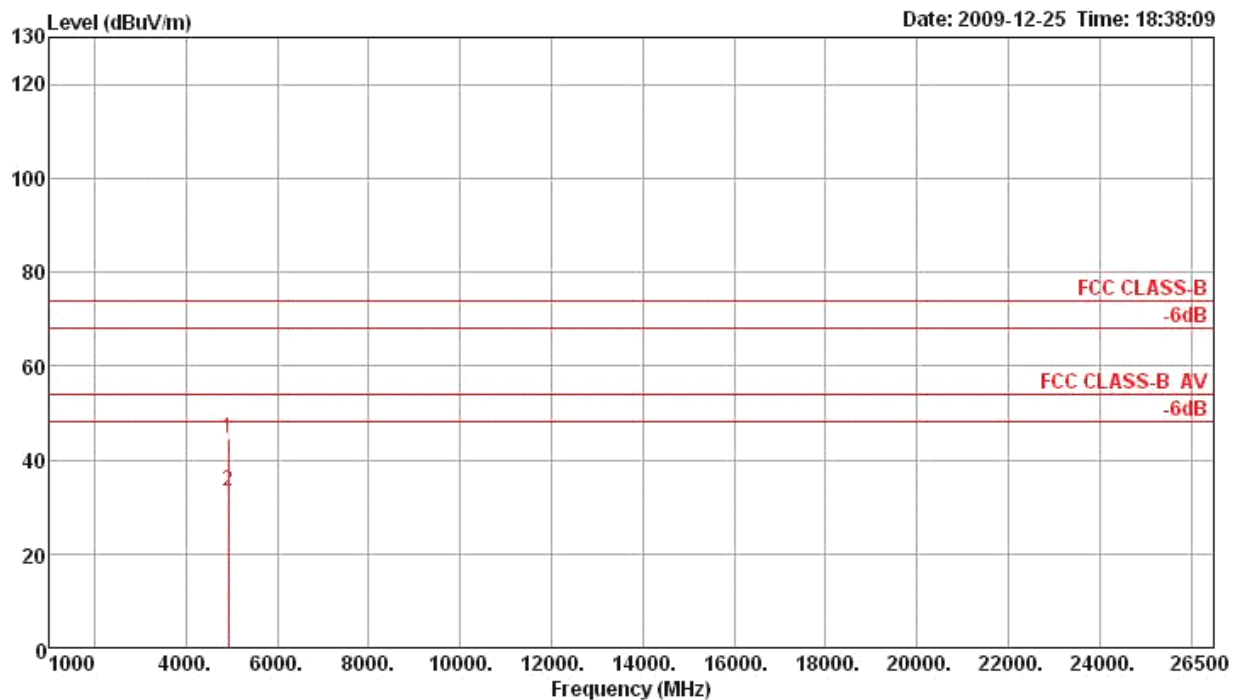
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.91	55.59	74.00	-18.41	55.17	3.01	35.15	32.56	101	100	Peak	VERTICAL
2 a	4874.00	52.96	54.00	-1.04	52.54	3.01	35.15	32.56	101	100	Average	VERTICAL

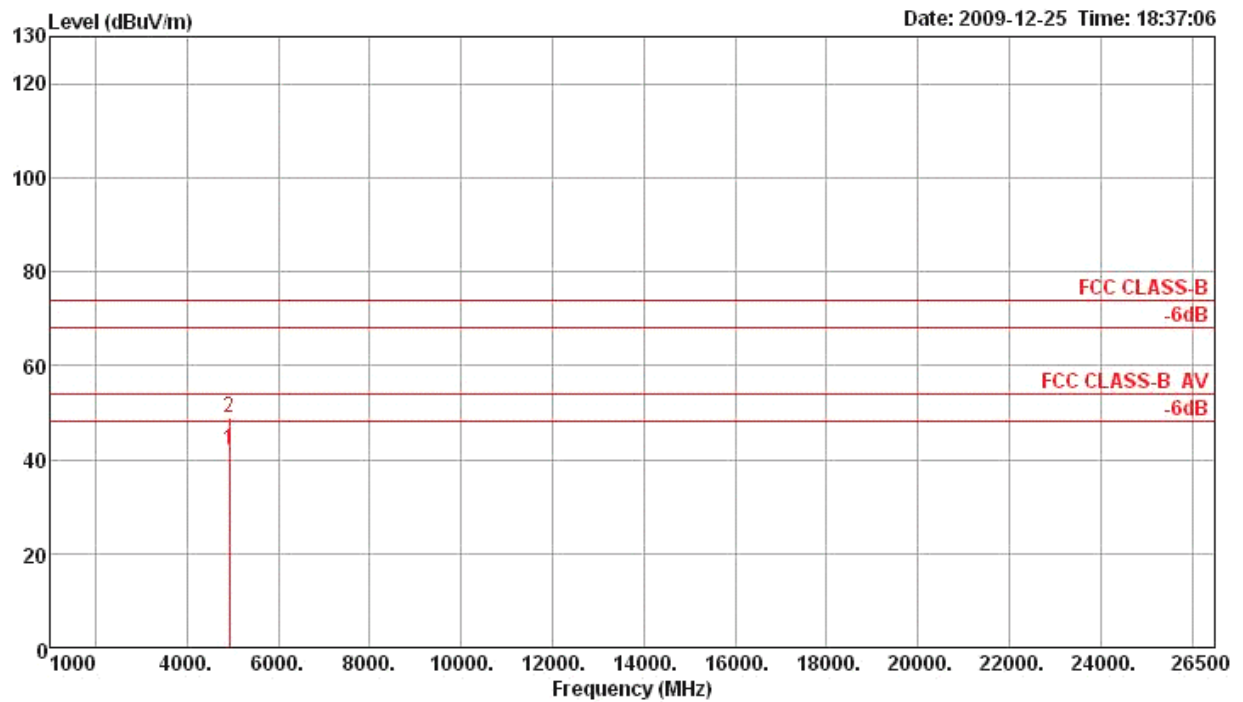
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 11 / Ant. C

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4923.86	44.49	74.00	-29.51	43.84	3.02	35.03	32.66	224	100	Peak	HORIZONTAL
2 a	4923.99	33.34	54.00	-20.66	32.69	3.02	35.03	32.66	224	100	Average	HORIZONTAL

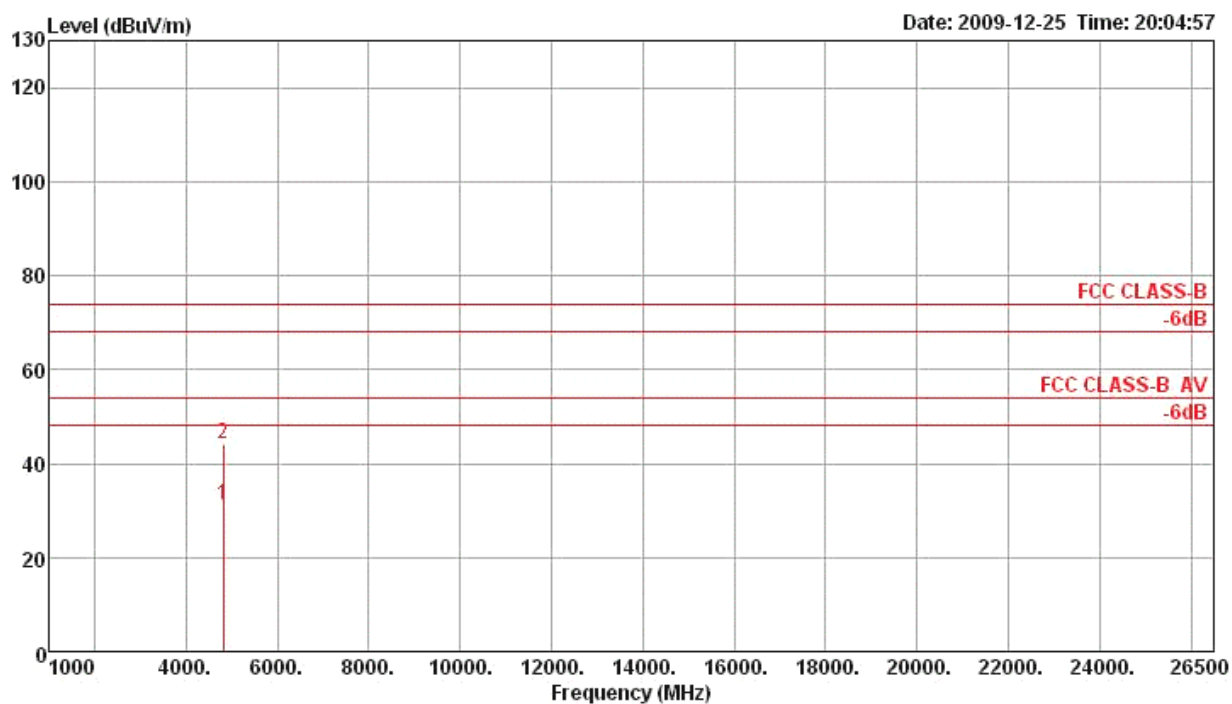
Vertical



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4924.03	41.92	54.00	-12.08	41.27	3.02	35.03	32.66	101	100	Average	VERTICAL
2	p	4924.06	48.73	74.00	-25.27	48.08	3.02	35.03	32.66	101	100	Peak	VERTICAL

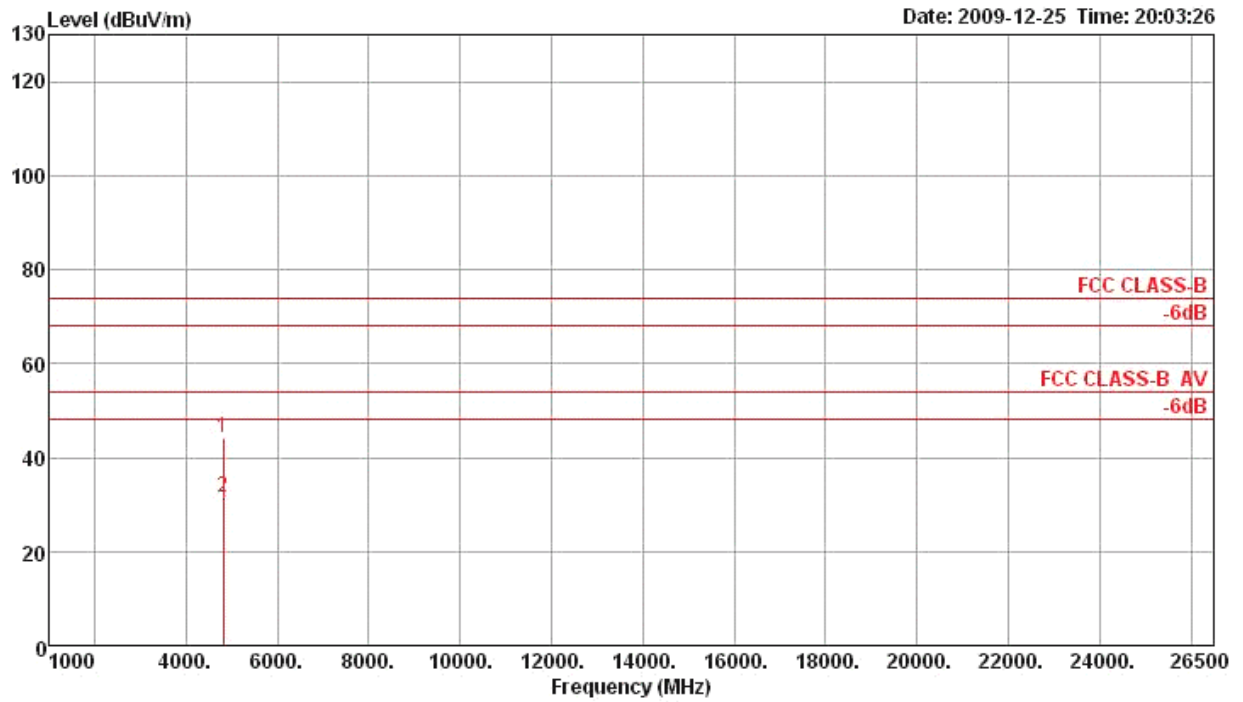
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 1 / Ant. C

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4823.98	31.28	54.00	-22.72	31.08	3.00	35.26	32.46	0	100	Average	HORIZONTAL
2 p	4823.99	44.10	74.00	-29.90	43.90	3.00	35.26	32.46	0	100	Peak	HORIZONTAL

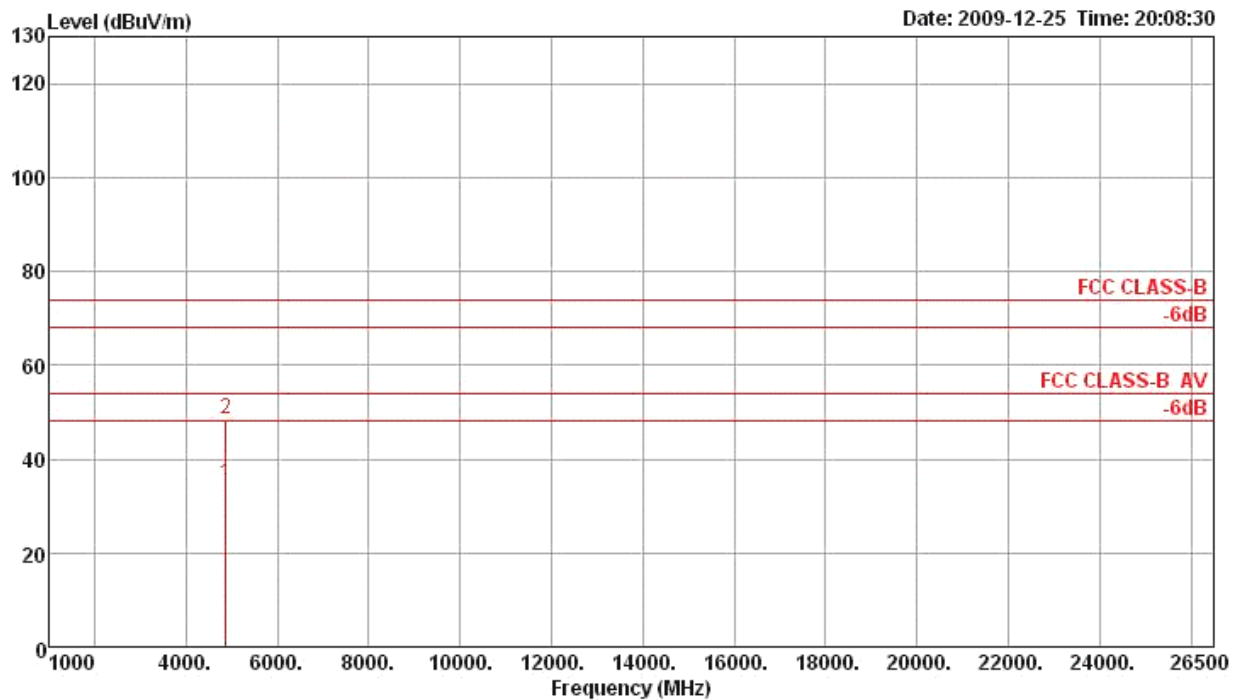
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4823.99	44.34	74.00	-29.66	44.14	3.00	35.26	32.46	360	100	Peak	VERTICAL
2 a	4823.99	31.37	54.00	-22.63	31.17	3.00	35.26	32.46	360	100	Average	VERTICAL

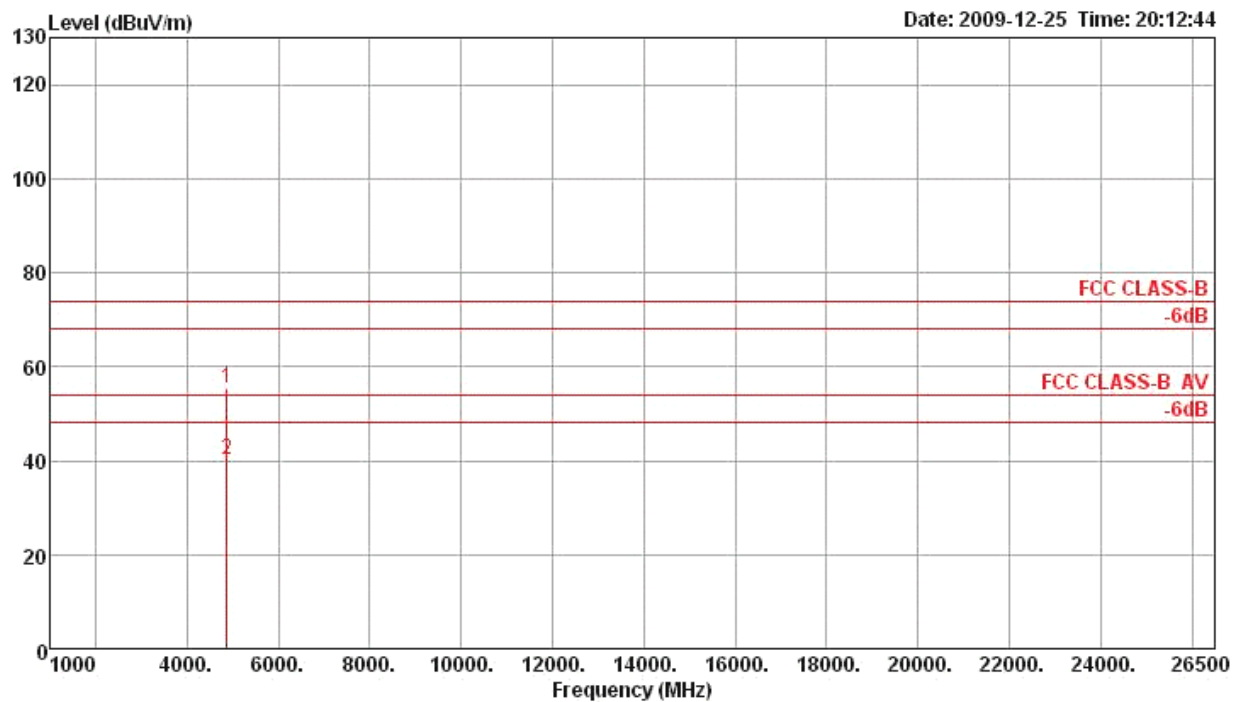
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 6 / Ant. C

Horizontal



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	a	4874.01	34.87	54.00	-19.13	34.45	3.01	35.15	32.56	301	100	Average	HORIZONTAL
2	p	4874.01	48.55	74.00	-25.45	48.13	3.01	35.15	32.56	301	100	Peak	HORIZONTAL

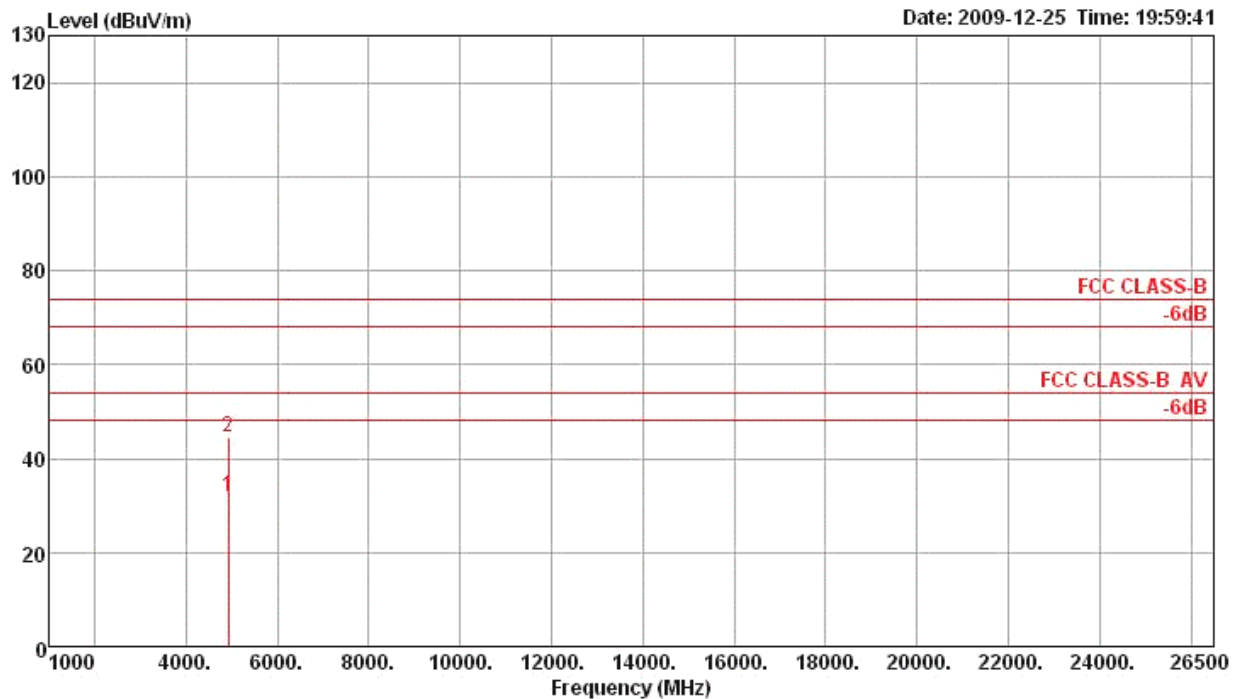
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.99	55.27	74.00	-18.73	54.85	3.01	35.15	32.56	276	100	Peak	VERTICAL
2 a	4874.02	40.25	54.00	-13.75	39.83	3.01	35.15	32.56	276	100	Average	VERTICAL

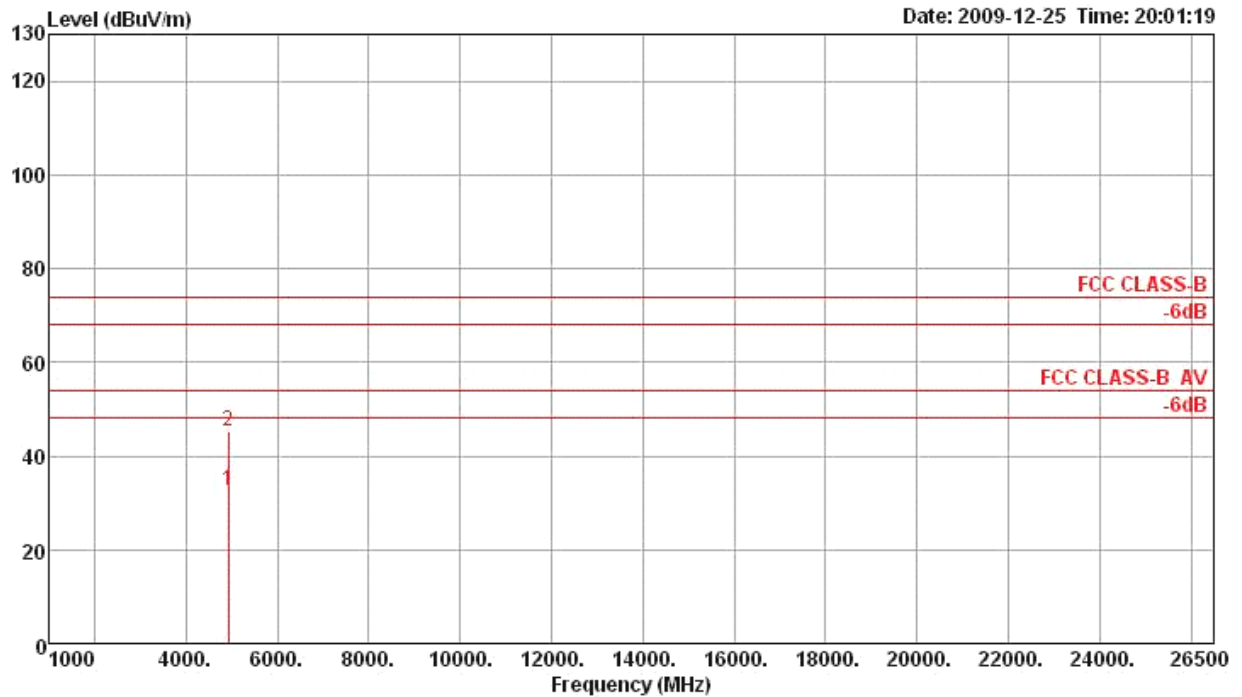
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 11 / Ant. C

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4924.00	32.03	54.00	-21.97	31.38	3.02	35.03	32.66	360	100	Average	HORIZONTAL
2 p	4924.01	44.44	74.00	-29.56	43.79	3.02	35.03	32.66	360	100	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4923.98	32.49	54.00	-21.51	31.84	3.02	35.03	32.66	0	100	Average	VERTICAL
2 p	4924.00	45.27	74.00	-28.73	44.62	3.02	35.03	32.66	0	100	Peak	VERTICAL

Note:

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

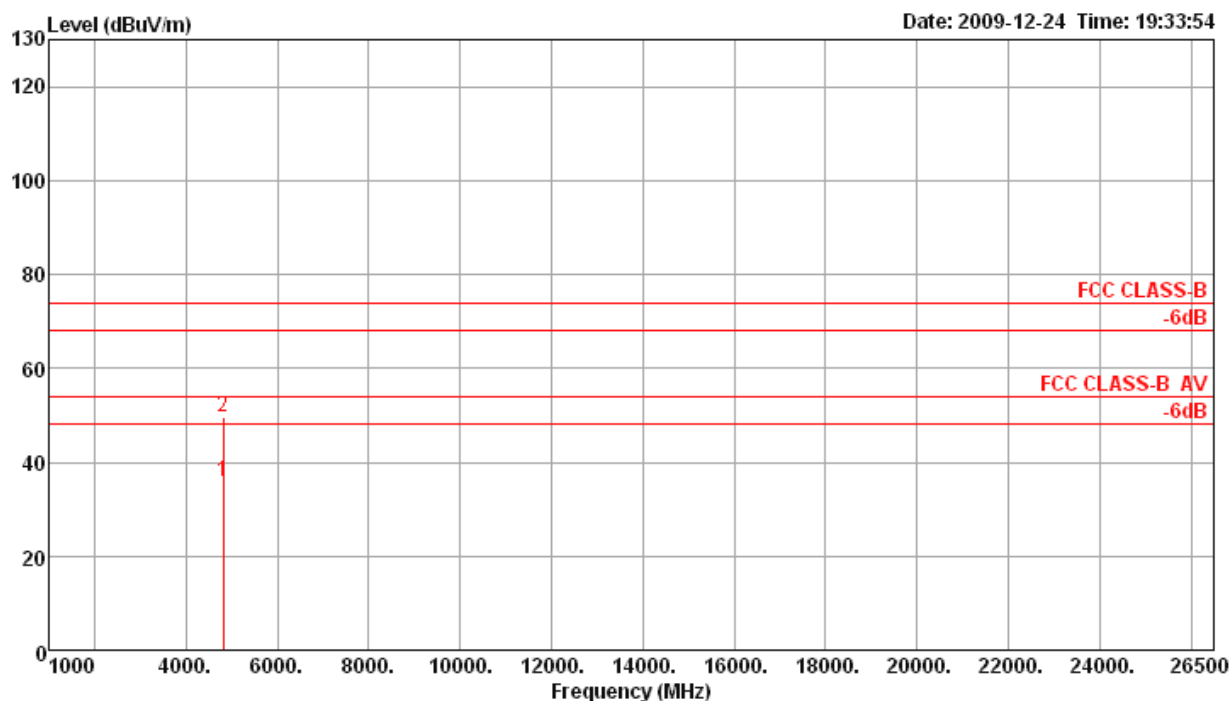
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

<For Antenna D>

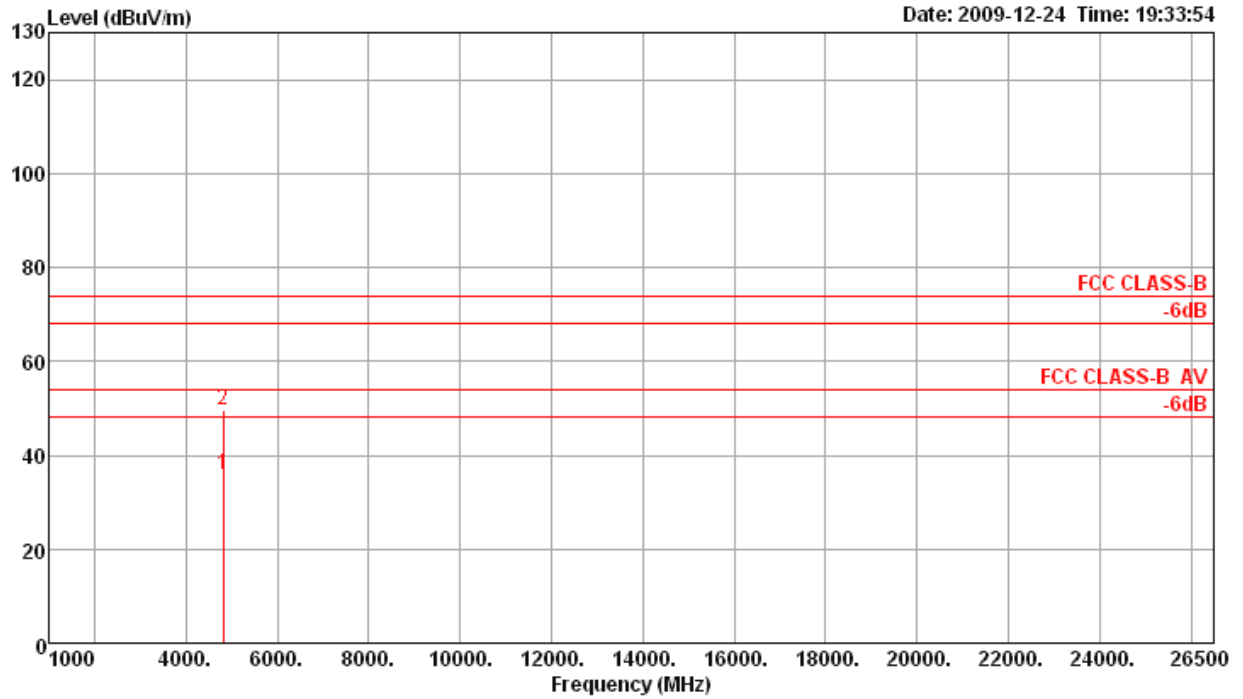
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch 1 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4824.01	35.82	54.00	-18.18	31.24	6.39	35.20	33.39	276	100	Average	HORIZONTAL
2 p	4824.02	49.68	74.00	-24.32	45.10	6.39	35.20	33.39	276	100	Peak	HORIZONTAL

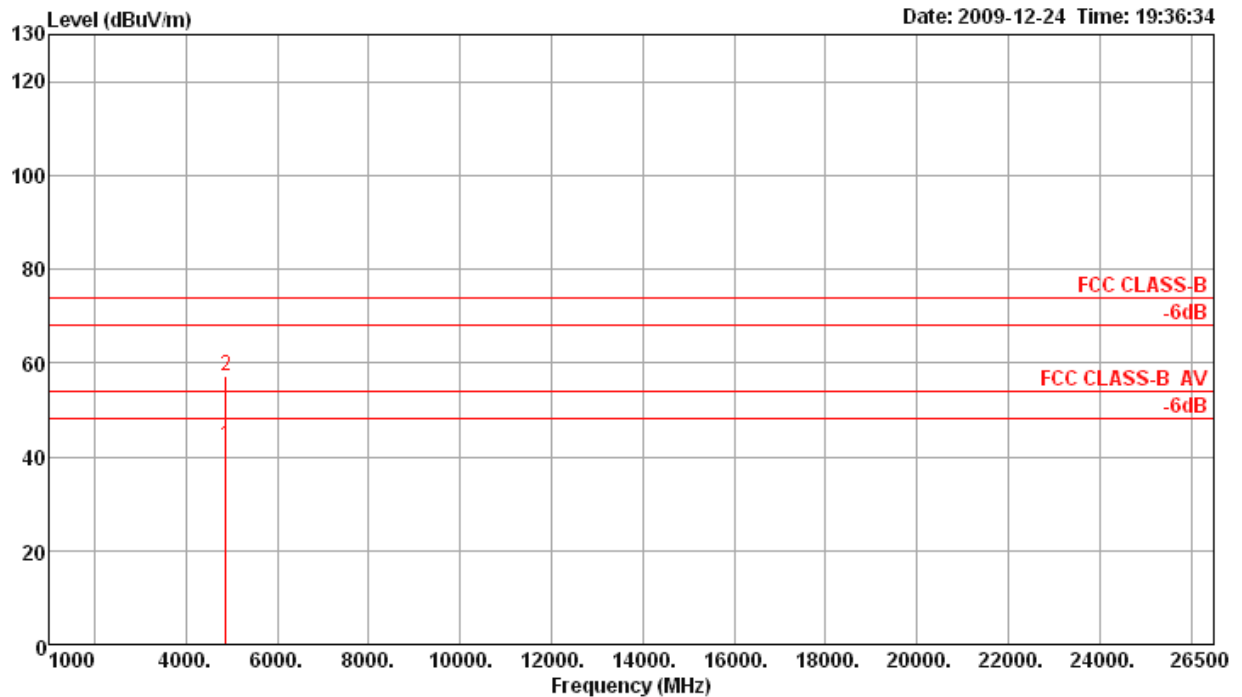
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4824.01	35.82	54.00	-18.18	31.24	6.39	35.20	33.39	276	100	Average	HORIZONTAL
2 p	4824.02	49.68	74.00	-24.32	45.10	6.39	35.20	33.39	276	100	Peak	HORIZONTAL

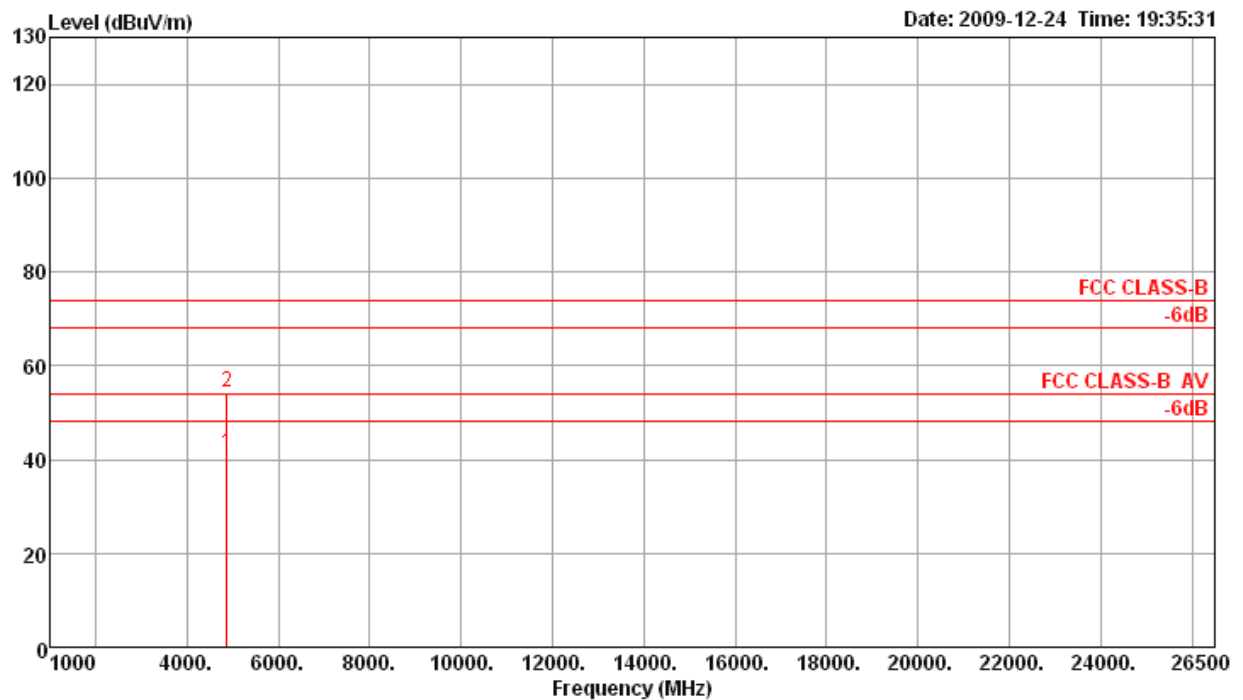
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch 6 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4874.17	42.41	54.00	-11.59	37.57	6.56	35.20	33.48	277	100	Average	HORIZONTAL
2 p	4874.50	57.23	74.00	-16.77	52.39	6.56	35.20	33.48	277	100	Peak	HORIZONTAL

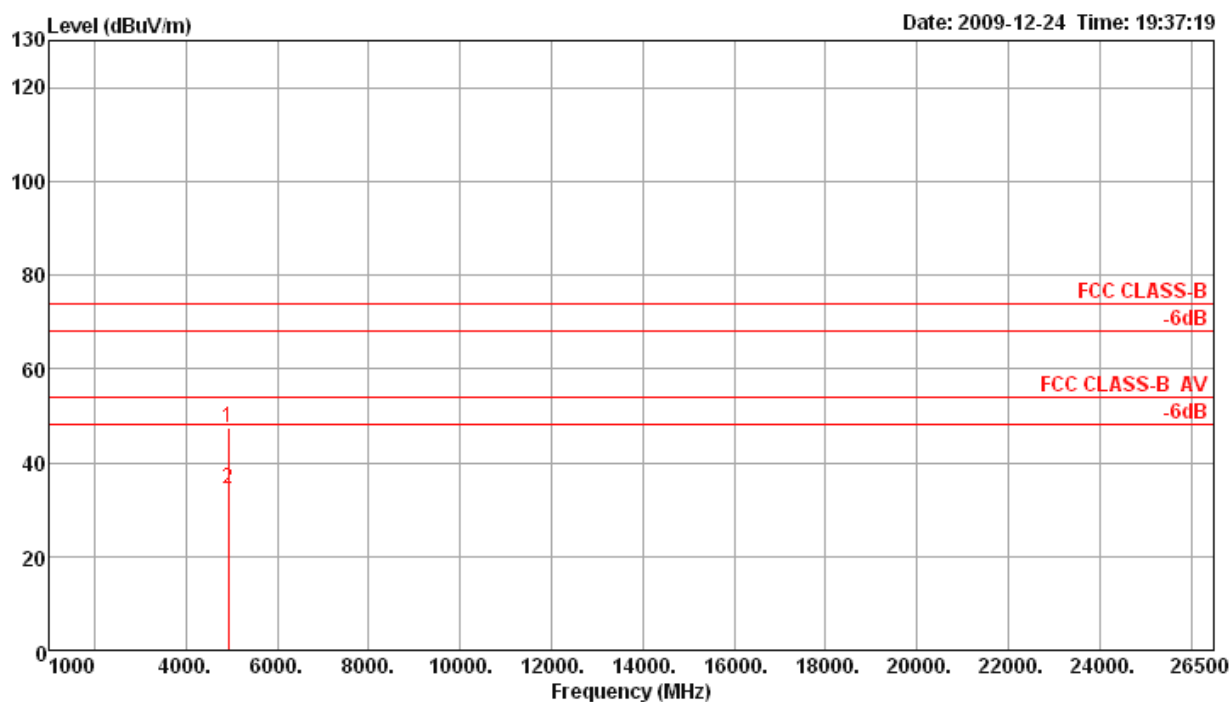
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4874.21	41.27	54.00	-12.73	36.43	6.56	35.20	33.48	288	100	Average	VERTICAL
2 p	4874.38	54.35	74.00	-19.65	49.51	6.56	35.20	33.48	288	100	Peak	VERTICAL

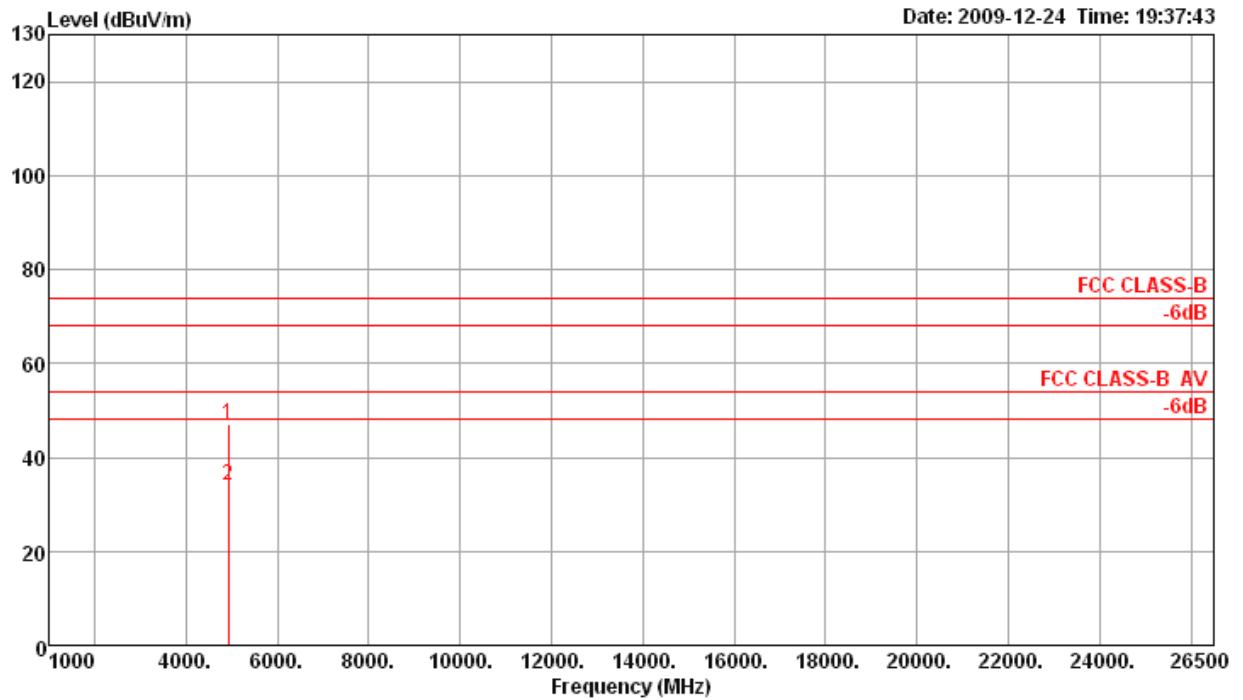
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch11 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4923.80	47.55	74.00	-26.45	42.44	6.73	35.20	33.58	234	100	Peak	HORIZONTAL
2 a	4923.82	34.30	54.00	-19.70	29.19	6.73	35.20	33.58	234	100	Average	HORIZONTAL

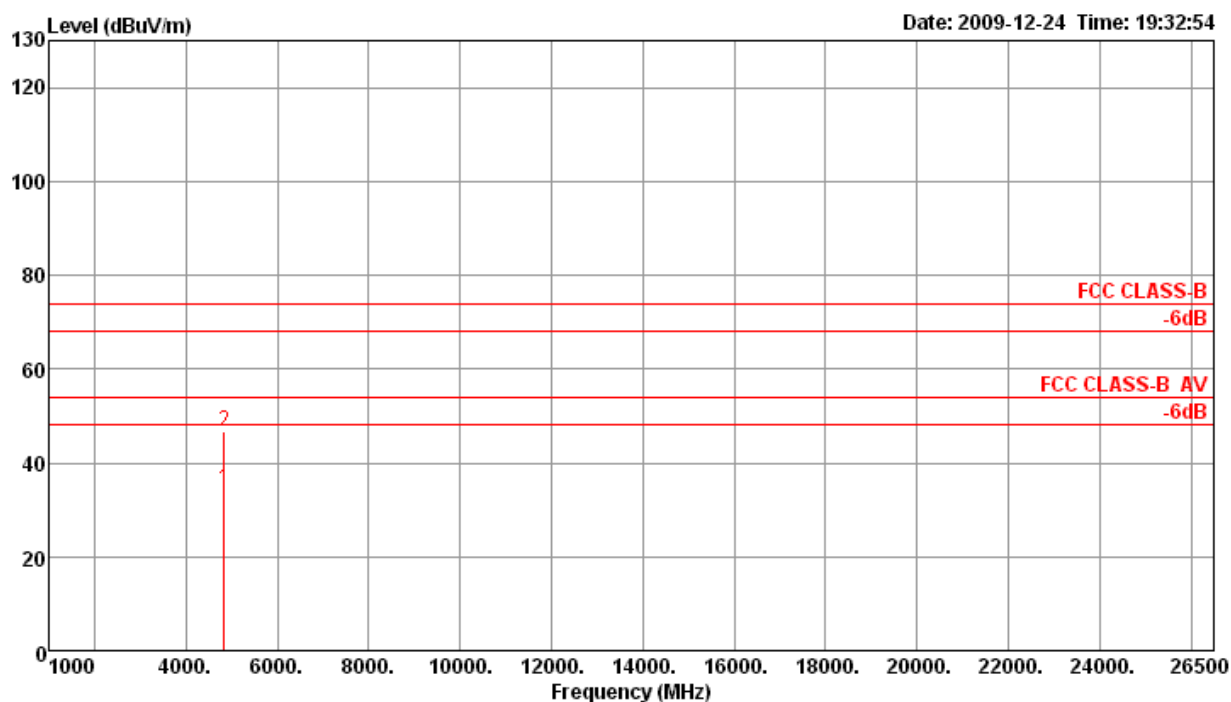
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4923.81	47.14	74.00	-26.86	42.03	6.73	35.20	33.58	124	100	Peak	VERTICAL
2 a	4923.95	34.22	54.00	-19.78	29.11	6.73	35.20	33.58	124	100	Average	VERTICAL

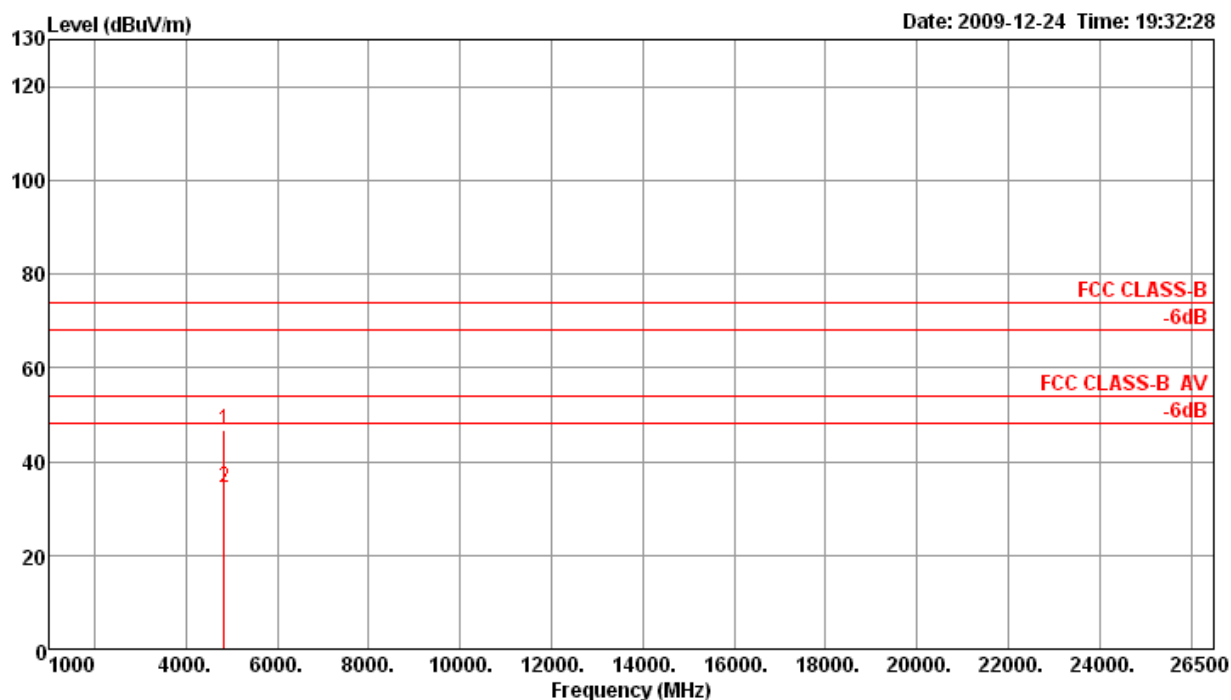
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 3 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4844.00	34.28	54.00	-19.72	29.59	6.47	35.20	33.42	210	100	Average	HORIZONTAL
2 p	4844.01	46.69	74.00	-27.31	42.00	6.47	35.20	33.42	210	100	Peak	HORIZONTAL

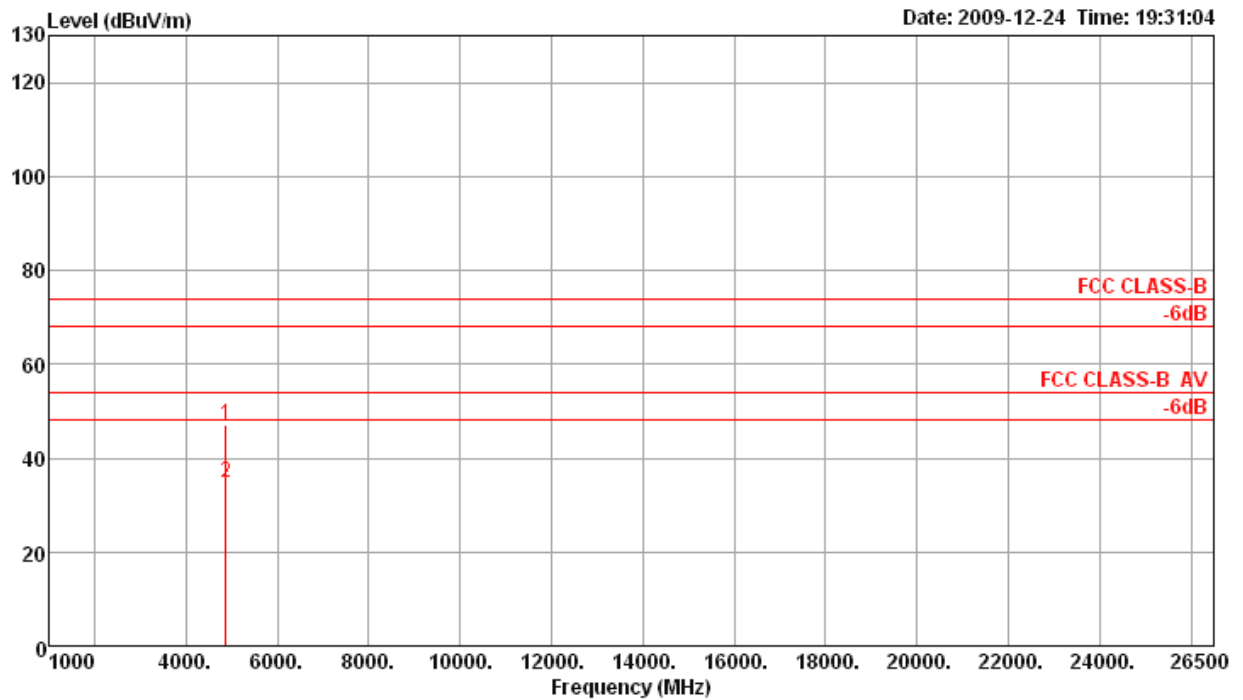
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4843.98	46.57	74.00	-27.43	41.88	6.47	35.20	33.42	101	100	Peak	VERTICAL
2 a	4844.02	34.31	54.00	-19.69	29.62	6.47	35.20	33.42	101	100	Average	VERTICAL

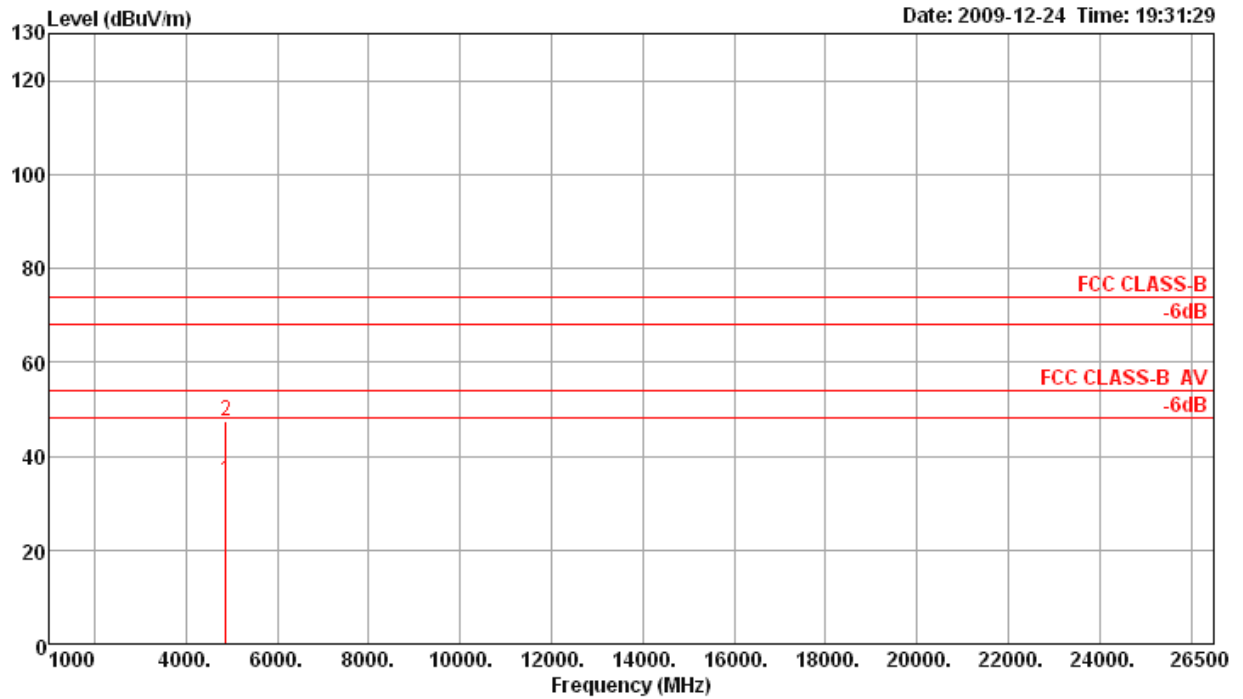
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 6 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4874.05	47.11	74.00	-26.89	42.27	6.56	35.20	33.48	130	100	Peak	HORIZONTAL
2 a	4875.00	34.72	54.00	-19.28	29.88	6.56	35.20	33.48	130	100	Average	HORIZONTAL

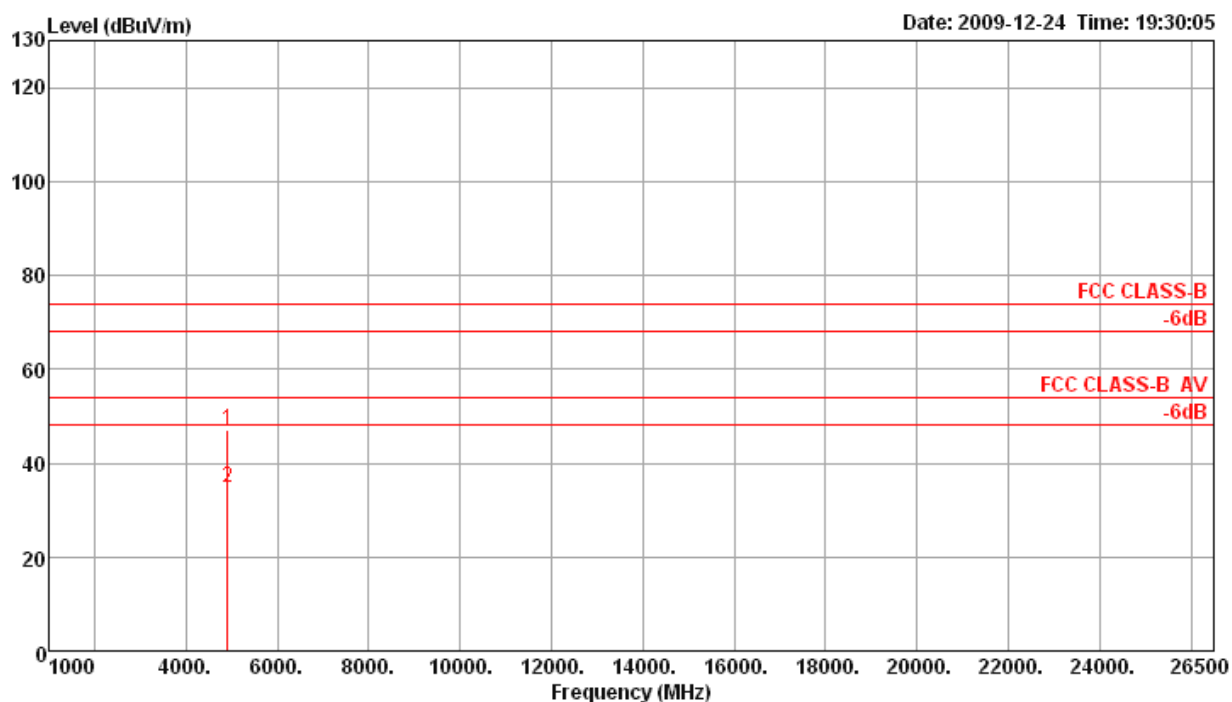
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4873.95	34.60	54.00	-19.40	29.76	6.56	35.20	33.48	182	100	Average	VERTICAL
2 p	4874.15	47.30	74.00	-26.70	42.46	6.56	35.20	33.48	182	100	Peak	VERTICAL

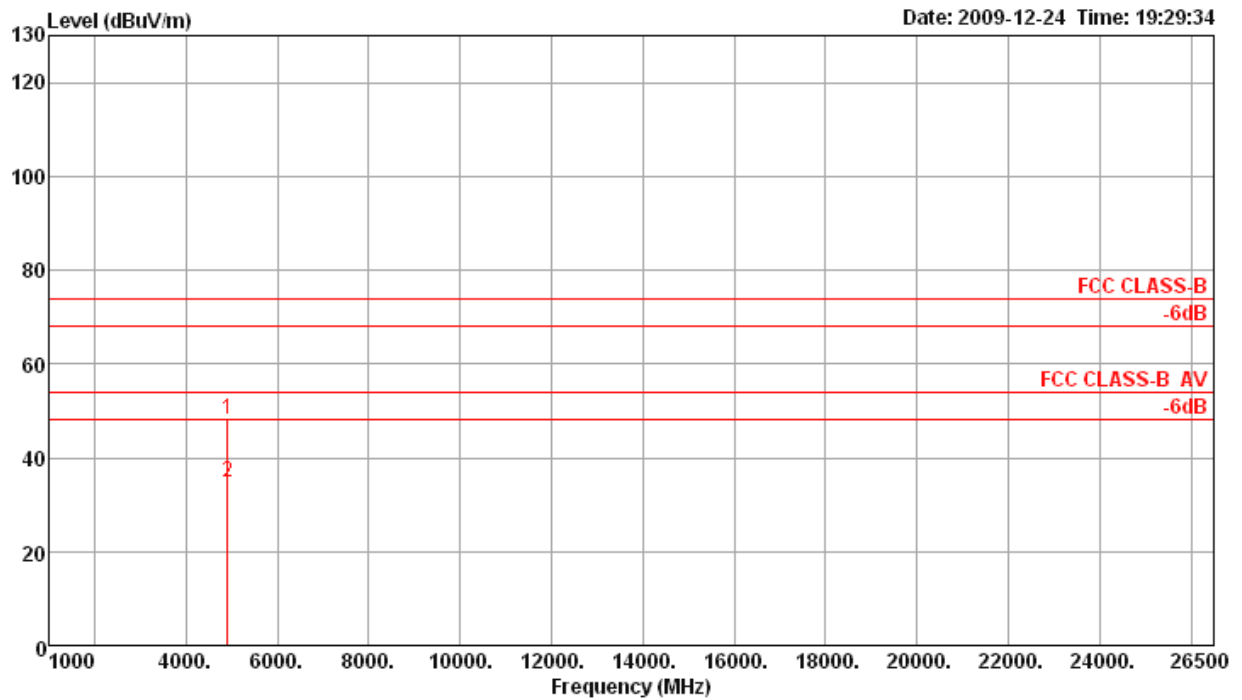
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 9 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4904.01	46.97	74.00	-27.03	42.01	6.65	35.20	33.51	144	100	Peak	HORIZONTAL
2 a	4904.02	34.68	54.00	-19.32	29.72	6.65	35.20	33.51	144	100	Average	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4903.98	48.27	74.00	-25.73	43.31	6.65	35.20	33.51	89	100	Peak	VERTICAL
2 a	4904.02	34.82	54.00	-19.18	29.86	6.65	35.20	33.51	89	100	Average	VERTICAL

Note:

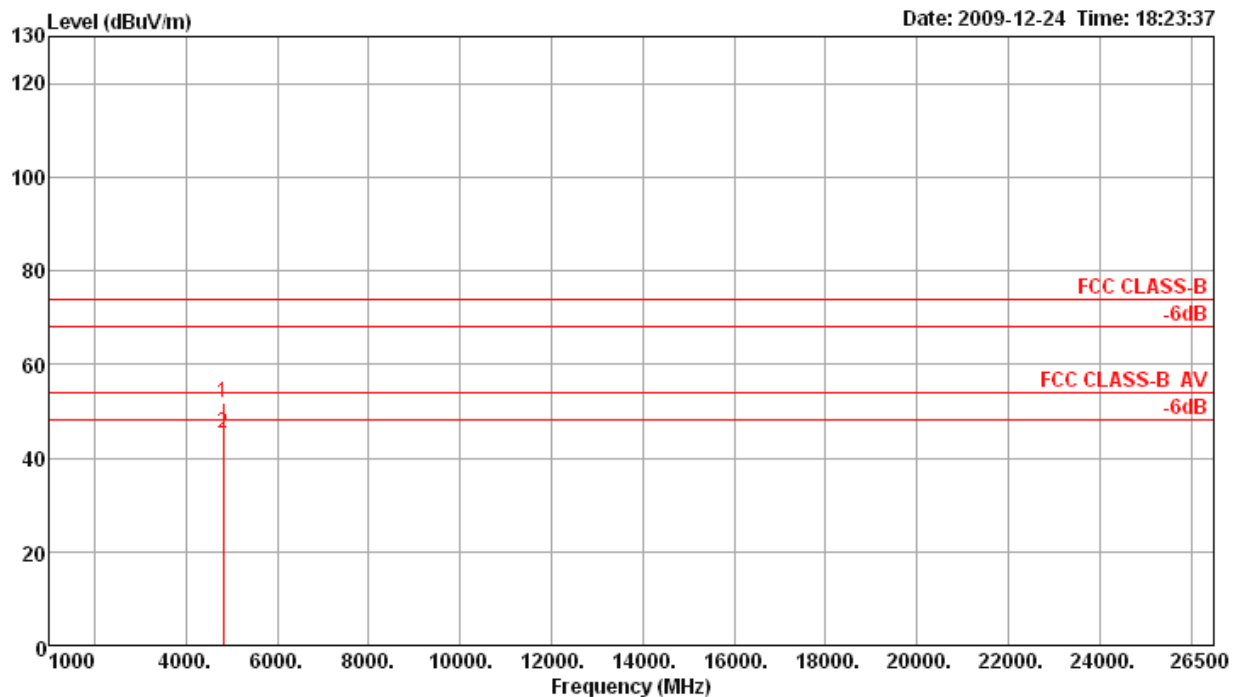
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

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

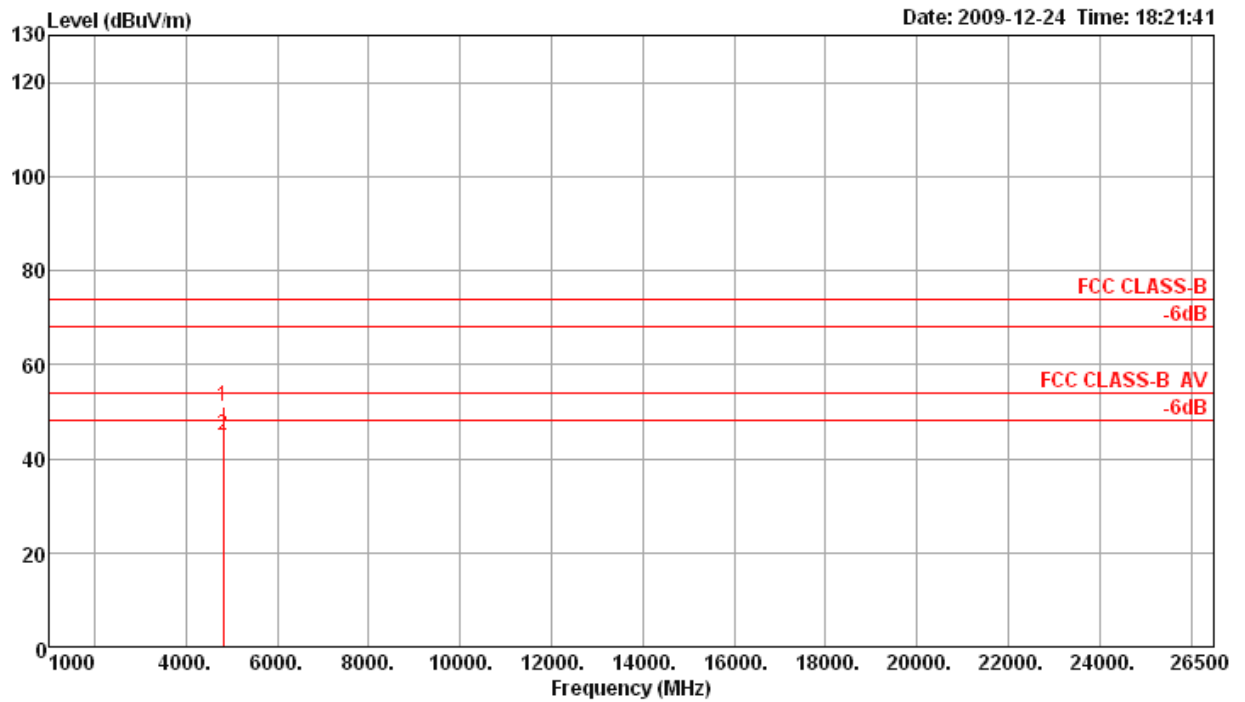
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 1 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4823.90	51.62	74.00	-22.38	47.04	6.39	35.20	33.39	276	100	Peak	HORIZONTAL
2 a	4823.97	45.28	54.00	-8.72	40.70	6.39	35.20	33.39	276	100	Average	HORIZONTAL

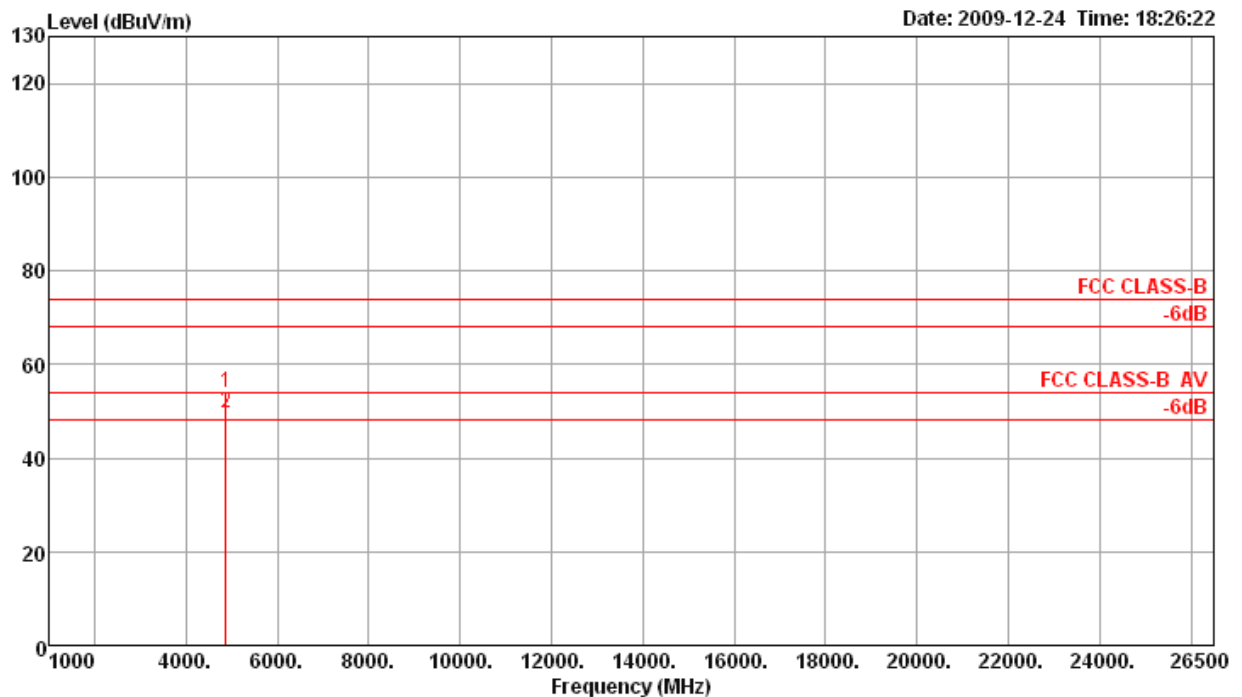
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4823.84	50.99	74.00	-23.01	46.41	6.39	35.20	33.39	0	129	Peak	VERTICAL
2 a	4823.94	44.93	54.00	-9.07	40.35	6.39	35.20	33.39	0	129	Average	VERTICAL

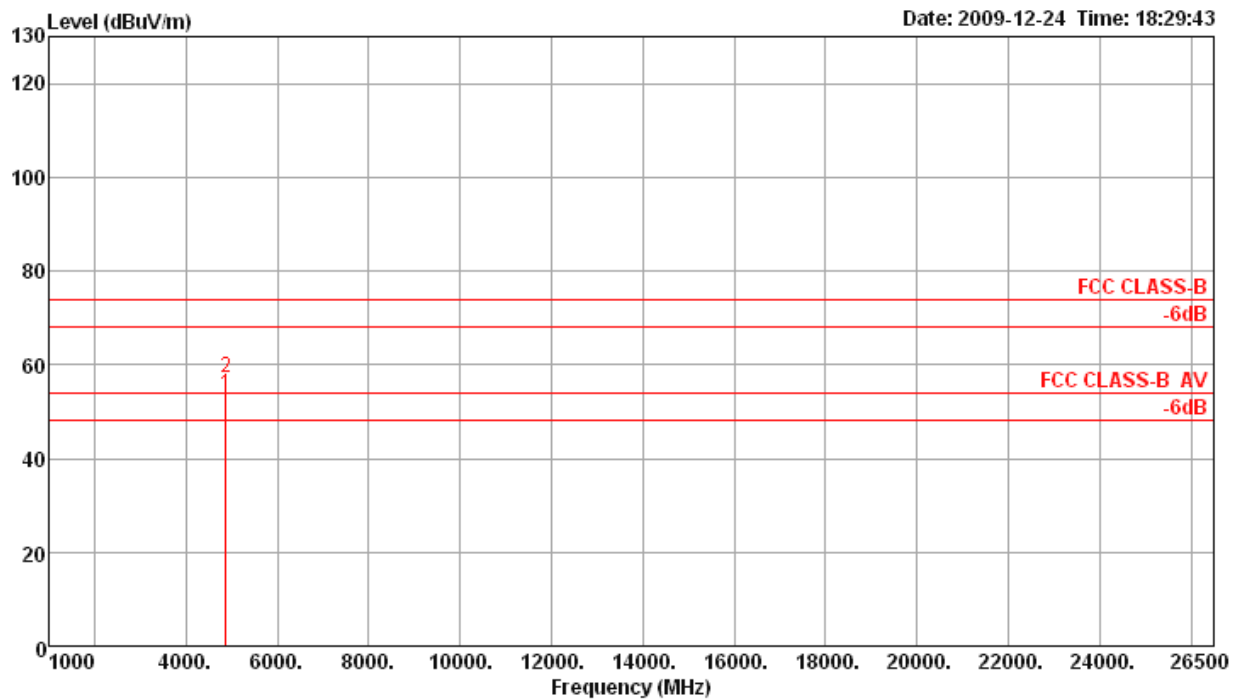
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 6 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.92	54.07	74.00	-19.93	49.23	6.56	35.20	33.48	98	151	Peak	HORIZONTAL
2 a	4873.97	49.67	54.00	-4.33	44.83	6.56	35.20	33.48	98	151	Average	HORIZONTAL

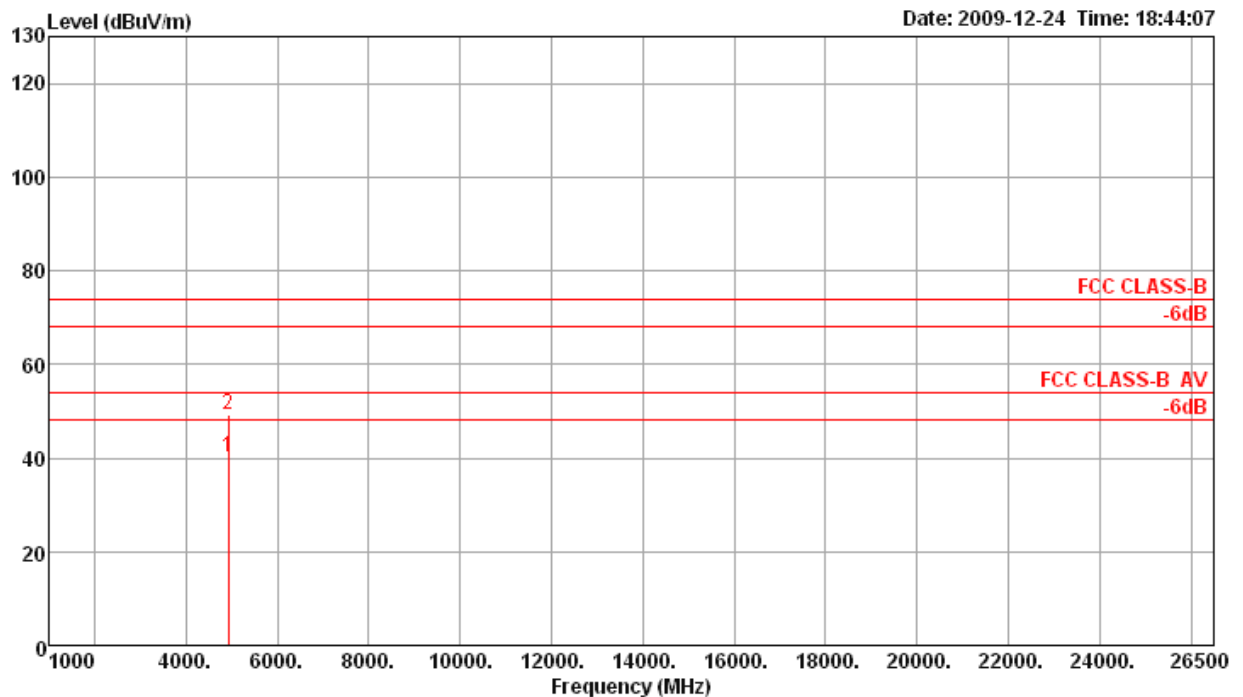
Vertical



		Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
		MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	a	4873.97	53.70	54.00	-0.30	48.86	6.56	35.20	33.48	104	161	Average	VERTICAL
2	p	4874.05	57.34	74.00	-16.66	52.50	6.56	35.20	33.48	104	161	Peak	VERTICAL

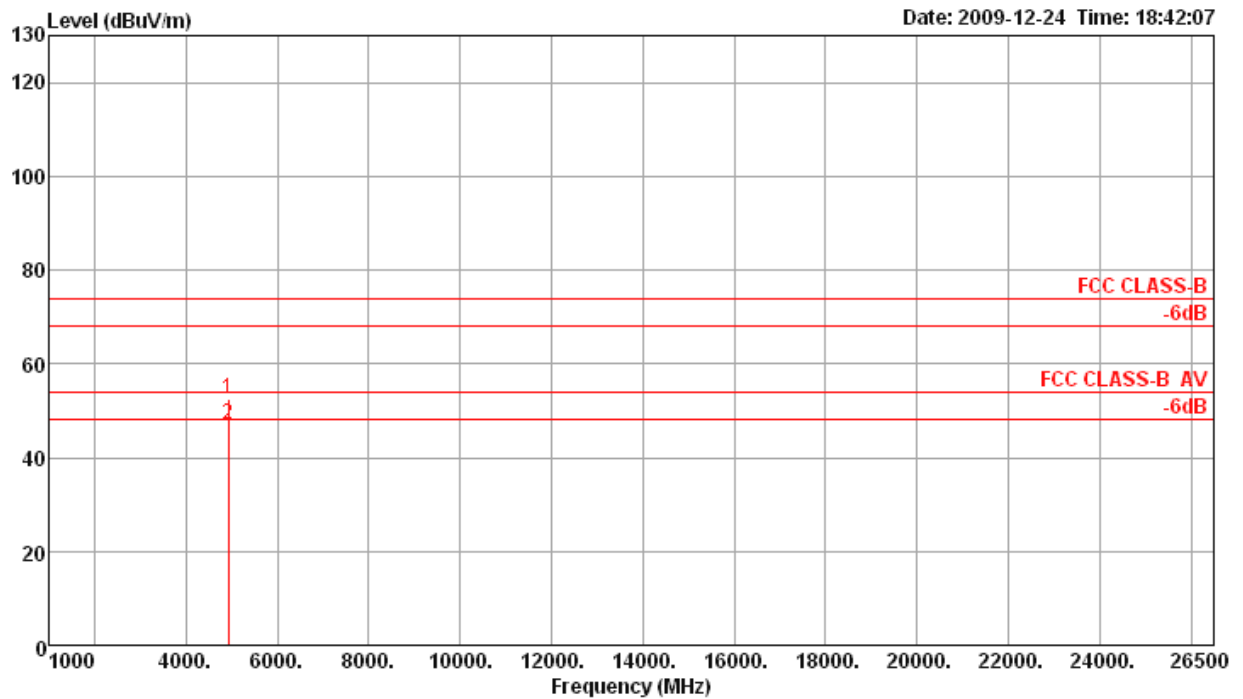
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 11 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4923.95	40.05	54.00	-13.95	34.94	6.73	35.20	33.58	273	126	Average	HORIZONTAL
2 p	4924.32	49.39	74.00	-24.61	44.28	6.73	35.20	33.58	273	126	Peak	HORIZONTAL

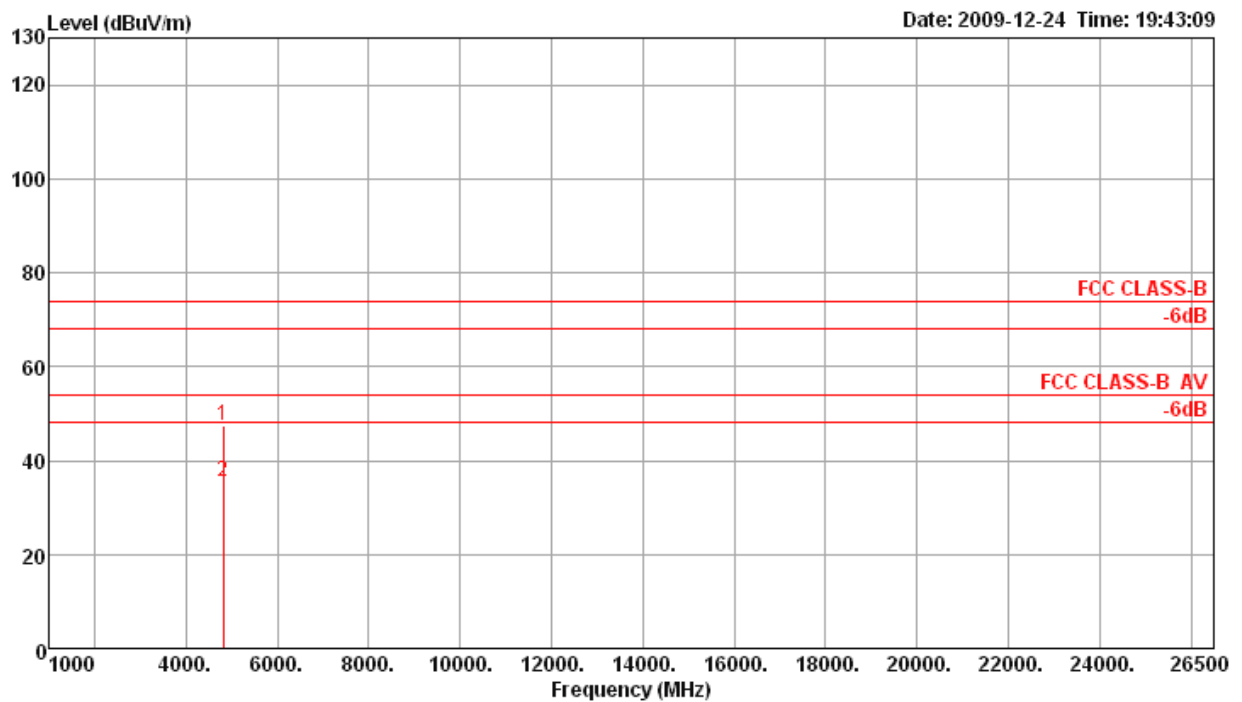
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4923.80	52.35	74.00	-21.65	47.24	6.73	35.20	33.58	104	164	Peak	VERTICAL
2 a	4923.97	47.11	54.00	-6.89	42.00	6.73	35.20	33.58	104	164	Average	VERTICAL

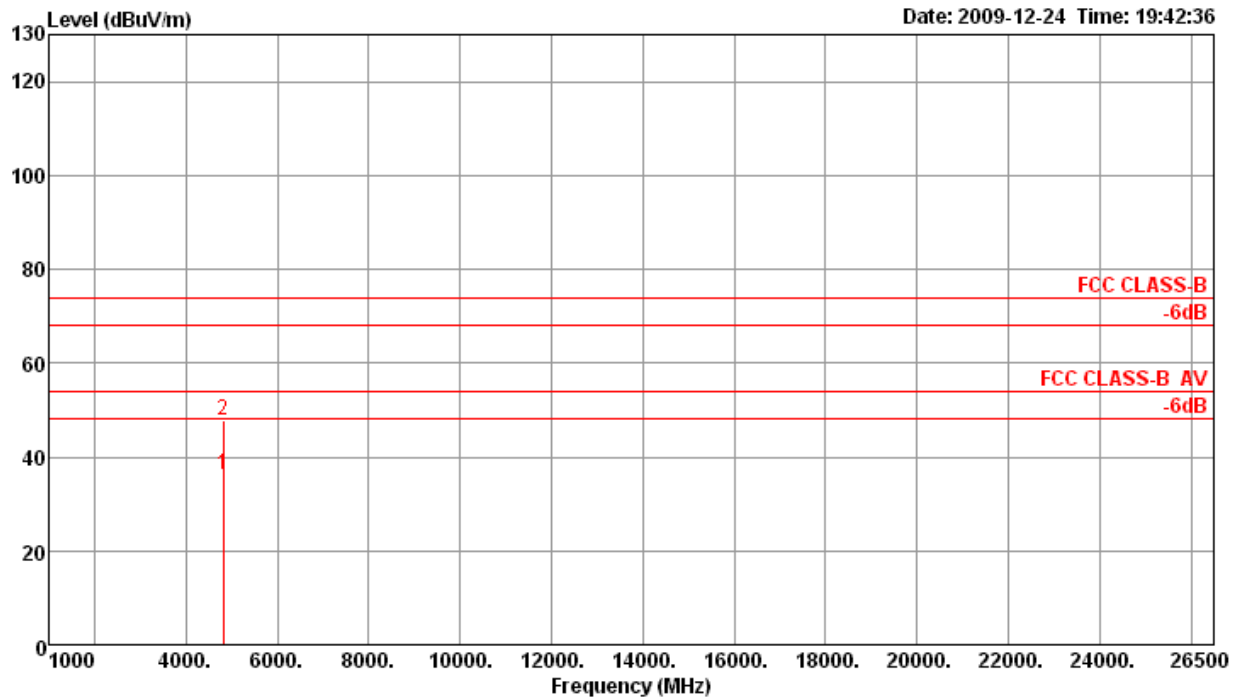
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 1 / Ant. D

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4823.55	47.59	74.00	-26.41	43.01	6.39	35.20	33.39	290	100	Peak	HORIZONTAL
2 a	4824.38	35.62	54.00	-18.38	31.04	6.39	35.20	33.39	290	100	Average	HORIZONTAL

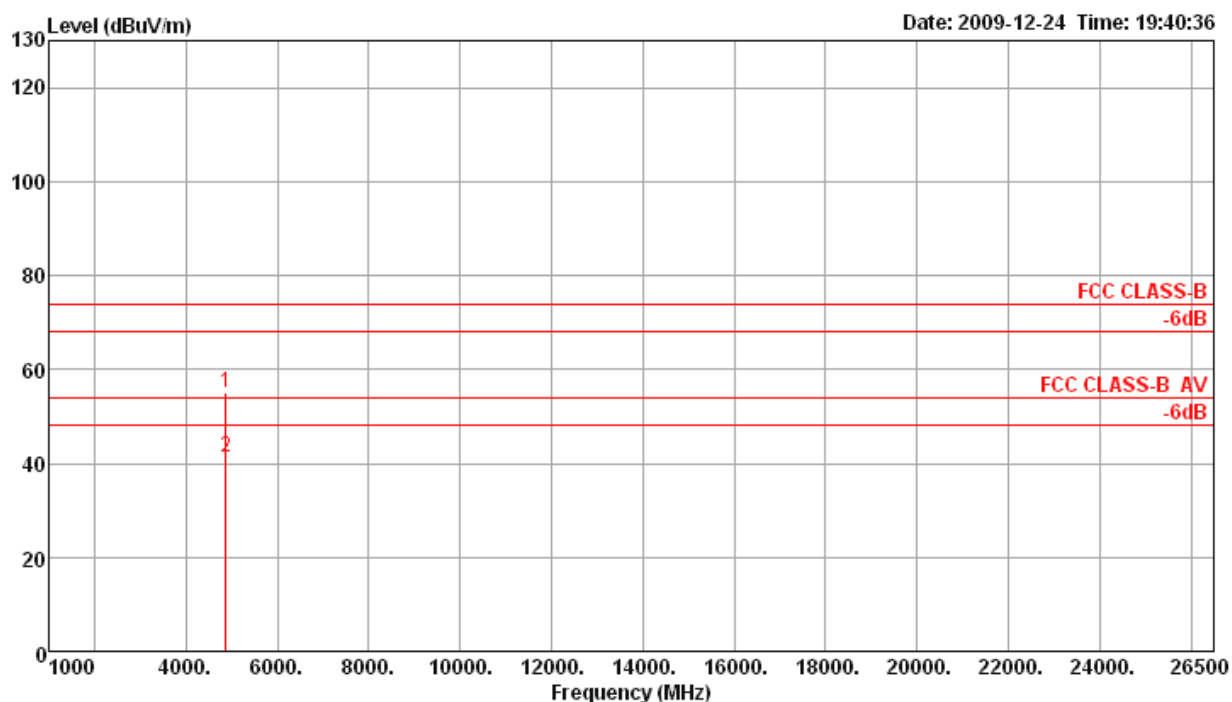
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4824.03	36.15	54.00	-17.85	31.57	6.39	35.20	33.39	150	100	Average	VERTICAL
2 p	4824.49	47.89	74.00	-26.11	43.31	6.39	35.20	33.39	150	100	Peak	VERTICAL

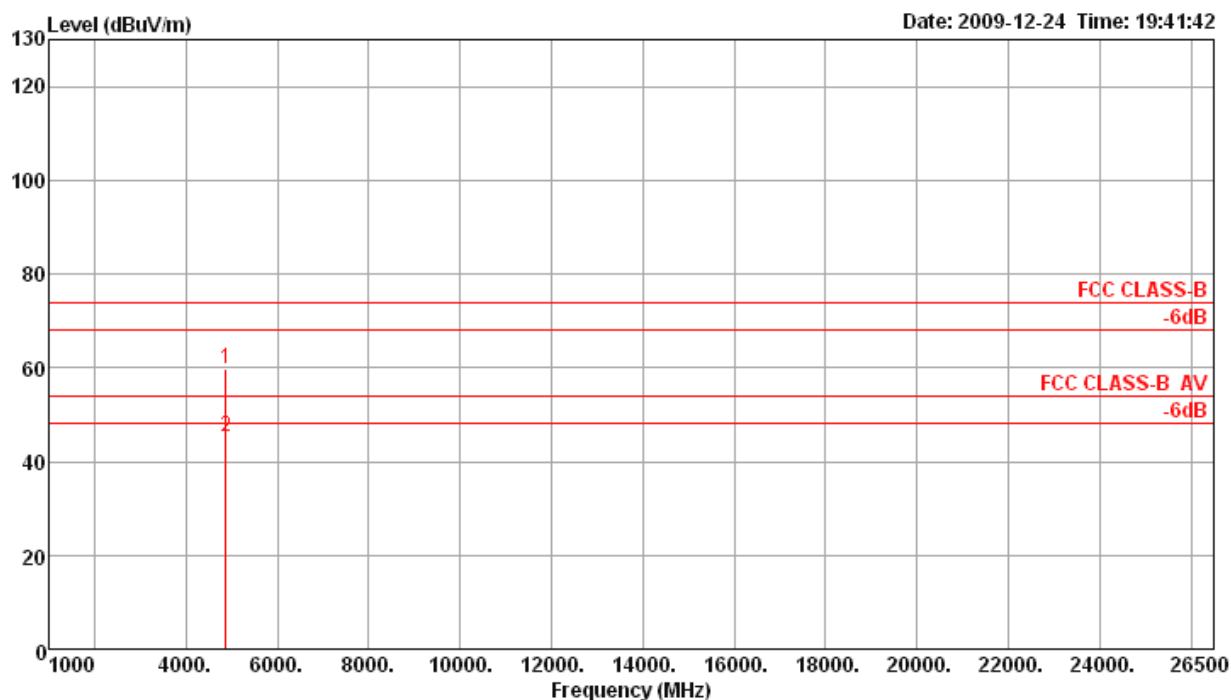
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 6 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.68	54.95	74.00	-19.05	50.11	6.56	35.20	33.48	277	100	Peak	HORIZONTAL
2 a	4874.33	41.24	54.00	-12.76	36.40	6.56	35.20	33.48	277	100	Average	HORIZONTAL

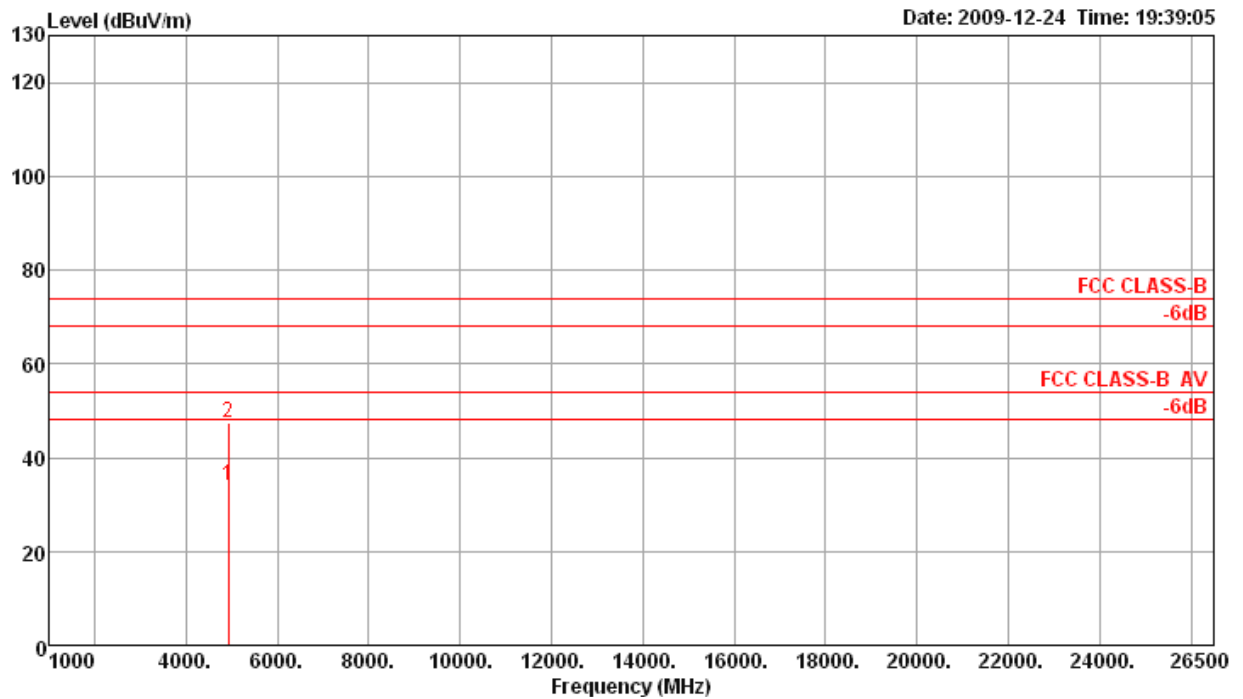
Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4873.75	59.65	74.00	-14.35	54.81	6.56	35.20	33.48	103	100	Peak	VERTICAL
2 a	4874.49	45.35	54.00	-8.65	40.51	6.56	35.20	33.48	103	100	Average	VERTICAL

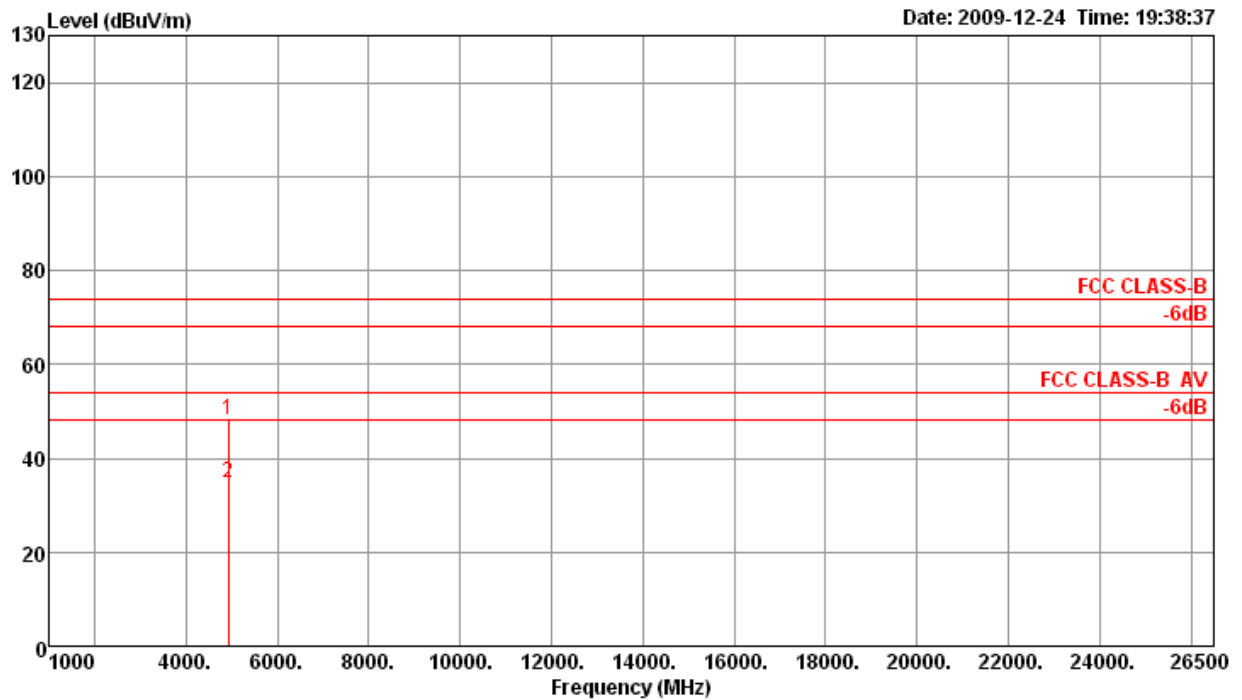
Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 11 / Ant. D

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	4923.72	34.21	54.00	-19.79	29.10	6.73	35.20	33.58	213	100	Average	HORIZONTAL
2 p	4923.72	47.38	74.00	-26.62	42.27	6.73	35.20	33.58	213	100	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	4923.73	48.02	74.00	-25.98	42.91	6.73	35.20	33.58	89	100	Peak	VERTICAL
2 a	4924.35	34.93	54.00	-19.07	29.82	6.73	35.20	33.58	89	100	Average	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)	1 MHz / 1 MHz 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

<For Antenna A>

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch 1, 6, 11 / Ant. A
Test Date	Nov. 25, 2009		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2390.00	49.84	54.00	-4.16	19.92	2.05	0.00	27.87	273	100	Average	VERTICAL
2 !	2390.00	73.28	74.00	-0.72	43.36	2.05	0.00	27.87	273	100	Peak	VERTICAL
3 a	2406.80	99.54	54.00			2.05	0.00	27.84	273	100	Average	VERTICAL
4 p	2407.60	110.10	74.00			2.05	0.00	27.84	273	100	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2389.40	68.41	74.00	-5.59	38.50	2.04	0.00	27.87	90	100	Peak	VERTICAL
2 !	2390.00	50.19	54.00	-3.81	20.27	2.05	0.00	27.87	90	100	Average	VERTICAL
3 p	2432.80	114.85	74.00			2.07	0.00	27.81	90	100	Peak	VERTICAL
4 a	2438.60	104.28	54.00			2.07	0.00	27.78	90	100	Average	VERTICAL
5 !	2483.50	53.42	54.00	-0.58	23.59	2.10	0.00	27.73	90	100	Average	VERTICAL
6 !	2485.70	72.64	74.00	-1.36	42.81	2.10	0.00	27.73	90	100	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2467.40	98.60	54.00			2.10	0.00	27.76	273	100	Average	VERTICAL
2 p	2468.80	108.94	74.00			2.10	0.00	27.76	273	100	Peak	VERTICAL
3 !	2483.50	50.92	54.00	-3.08	21.09	2.10	0.00	27.73	273	100	Average	VERTICAL
4 !	2485.10	73.68	74.00	-0.32	43.85	2.10	0.00	27.73	273	100	Peak	VERTICAL

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 3, 6, 9 / Ant. A
Test Date	Nov. 25, 2009		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2389.60	73.70	74.00	-0.30	43.79	2.04	0.00	27.87	272	100	Peak	VERTICAL
2 !	2390.00	53.27	54.00	-0.73	23.35	2.05	0.00	27.87	272	100	Average	VERTICAL
3 a	2419.60	95.79	54.00			2.07	0.00	27.81	272	100	Average	VERTICAL
4 p	2424.00	106.82	74.00			2.07	0.00	27.81	272	100	Peak	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2390.00	52.79	54.00	-1.21	22.87	2.05	0.00	27.87	273	100	Average	VERTICAL
2 !	2390.00	70.70	74.00	-3.30	40.78	2.05	0.00	27.87	273	100	Peak	VERTICAL
3 p	2431.40	107.93	74.00			2.07	0.00	27.81	273	100	Peak	VERTICAL
4 a	2433.00	97.03	54.00			2.07	0.00	27.81	273	100	Average	VERTICAL
5 !	2484.30	53.40	54.00	-0.60	23.57	2.10	0.00	27.73	273	100	Average	VERTICAL
6 !	2486.70	72.33	74.00	-1.67	42.50	2.10	0.00	27.73	273	100	Peak	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2457.20	93.92	54.00			2.08	0.00	27.76	90	100	Average	VERTICAL
2 p	2460.00	104.95	74.00			2.08	0.00	27.76	90	100	Peak	VERTICAL
3 !	2483.50	73.81	74.00	-0.19	43.98	2.10	0.00	27.73	90	100	Peak	VERTICAL
4 !	2484.30	52.04	54.00	-1.96	22.21	2.10	0.00	27.73	90	100	Average	VERTICAL

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

Note:

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

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 1, 6, 11 / Ant. A
Test Date	Nov. 25, 2009		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2386.20	60.81	74.00	-13.19	30.90	2.04	0.00	27.87	272	100	Peak	VERTICAL
2 !	2386.80	52.57	54.00	-1.43	22.66	2.04	0.00	27.87	272	100	Average	VERTICAL
3 a	2409.20	108.29	54.00			2.05	0.00	27.84	272	100	Average	VERTICAL
4 p	2411.20	111.79	74.00			2.05	0.00	27.84	272	100	Peak	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2388.40	57.75	74.00	-16.25	27.84	2.04	0.00	27.87	88	100	Peak	VERTICAL
2	2389.00	46.80	54.00	-7.20	16.89	2.04	0.00	27.87	88	100	Average	VERTICAL
3 p	2438.60	114.76	74.00			2.07	0.00	27.78	88	100	Peak	VERTICAL
4 a	2439.80	110.78	54.00			2.07	0.00	27.78	88	100	Average	VERTICAL
5	2483.50	61.34	74.00	-12.66	31.51	2.10	0.00	27.73	88	100	Peak	VERTICAL
6 !	2484.90	49.39	54.00	-4.61	19.56	2.10	0.00	27.73	88	100	Average	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2459.20	106.65	54.00			2.08	0.00	27.76	88	100	Average	VERTICAL
2 p	2461.00	110.39	74.00			2.08	0.00	27.76	88	100	Peak	VERTICAL
3	2486.10	62.05	74.00	-11.95	32.22	2.10	0.00	27.73	88	100	Peak	VERTICAL
4 !	2487.70	52.61	54.00	-1.39	22.81	2.10	0.00	27.70	88	100	Average	VERTICAL

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 1, 6, 11 / Ant. A
Test Date	Nov. 25, 2009		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2390.00	52.96	54.00	-1.04	23.04	2.05	0.00	27.87	274	100	Average	VERTICAL
2 !	2390.00	70.15	74.00	-3.85	40.23	2.05	0.00	27.87	274	100	Peak	VERTICAL
3 a	2407.00	101.24	54.00			2.05	0.00	27.84	274	100	Average	VERTICAL
4 p	2407.20	113.55	74.00			2.05	0.00	27.84	274	100	Peak	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2388.20	65.16	74.00	-8.84	35.25	2.04	0.00	27.87	90	100	Peak	VERTICAL
2 !	2390.00	49.32	54.00	-4.68	19.40	2.05	0.00	27.87	90	100	Average	VERTICAL
3 p	2432.20	115.75	74.00			2.07	0.00	27.81	90	100	Peak	VERTICAL
4 a	2438.00	104.45	54.00			2.07	0.00	27.78	90	100	Average	VERTICAL
5 !	2483.50	52.26	54.00	-1.74	22.43	2.10	0.00	27.73	90	100	Average	VERTICAL
6 !	2485.10	71.79	74.00	-2.21	41.96	2.10	0.00	27.73	90	100	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	2457.40	111.88	74.00			2.08	0.00	27.76	88	100	Peak	VERTICAL
2 a	2469.00	99.89	54.00			2.10	0.00	27.76	88	100	Average	VERTICAL
3 !	2483.50	51.85	54.00	-2.15	22.02	2.10	0.00	27.73	88	100	Average	VERTICAL
4 !	2483.50	72.90	74.00	-1.10	43.07	2.10	0.00	27.73	88	100	Peak	VERTICAL

Item 1, 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 Antenna B>

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch 1, 6, 11 / Ant. B
Test Date	Nov. 28, 2009		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2390.00	51.58	54.00	-2.42	21.66	2.05	0.00	27.87	326	100	Average	VERTICAL
2 !	2390.00	73.63	74.00	-0.37	43.71	2.05	0.00	27.87	326	100	Peak	VERTICAL
3 p	2412.20	107.97	74.00			2.05	0.00	27.84	326	100	Peak	VERTICAL
4 a	2415.10	97.40	54.00			2.05	0.00	27.84	326	100	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2389.40	68.46	74.00	-5.54	38.55	2.04	0.00	27.87	310	121	Peak	VERTICAL
2 !	2390.00	49.59	54.00	-4.41	19.67	2.05	0.00	27.87	310	121	Average	VERTICAL
3 a	2440.10	103.48	54.00			2.07	0.00	27.78	310	121	Average	VERTICAL
4 p	2440.10	114.13	74.00			2.07	0.00	27.78	310	121	Peak	VERTICAL
5 !	2483.50	50.86	54.00	-3.14	21.03	2.10	0.00	27.73	310	121	Average	VERTICAL
6 !	2485.50	69.13	74.00	-4.87	39.30	2.10	0.00	27.73	310	121	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2465.10	97.18	54.00			2.08	0.00	27.76	179	104	Average	VERTICAL
2 p	2466.10	107.29	74.00			2.08	0.00	27.76	179	104	Peak	VERTICAL
3 !	2483.50	50.91	54.00	-3.09	21.08	2.10	0.00	27.73	179	104	Average	VERTICAL
4 !	2483.50	72.51	74.00	-1.49	42.68	2.10	0.00	27.73	179	104	Peak	VERTICAL

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 3, 6, 9 / Ant. B
Test Date	Nov. 28, 2009		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2390.00	50.49	54.00	-3.51	20.57	2.05	0.00	27.87	325	100	Average	VERTICAL
2 !	2390.00	72.70	74.00	-1.30	42.78	2.05	0.00	27.87	325	100	Peak	VERTICAL
3 a	2417.80	92.31	54.00			2.07	0.00	27.84	325	100	Average	VERTICAL
4 p	2418.20	104.41	74.00			2.07	0.00	27.84	325	100	Peak	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2390.00	52.11	54.00	-1.89	22.19	2.05	0.00	27.87	308	121	Average	VERTICAL
2 !	2390.00	69.35	74.00	-4.65	39.43	2.05	0.00	27.87	308	121	Peak	VERTICAL
3 a	2442.00	96.01	54.00			2.08	0.00	27.78	308	121	Average	VERTICAL
4 p	2445.20	107.00	74.00			2.08	0.00	27.78	308	121	Peak	VERTICAL
5 !	2483.50	53.18	54.00	-0.82	23.35	2.10	0.00	27.73	308	121	Average	VERTICAL
6 !	2485.90	70.73	74.00	-3.27	40.90	2.10	0.00	27.73	308	121	Peak	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	2460.20	103.13	74.00			2.08	0.00	27.76	179	100	Peak	VERTICAL
2 a	2467.60	92.17	54.00			2.10	0.00	27.76	179	100	Average	VERTICAL
3 !	2483.50	72.34	74.00	-1.66	42.51	2.10	0.00	27.73	179	100	Peak	VERTICAL
4 !	2483.90	51.02	54.00	-2.98	21.19	2.10	0.00	27.73	179	100	Average	VERTICAL

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

Note:

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

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 1, 6, 11 / Ant. B
Test Date	Nov. 28, 2009		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2386.20	61.53	74.00	-12.47	31.62	2.04	0.00	27.87	314	100	Peak	VERTICAL
2 !	2386.40	52.35	54.00	-1.65	22.44	2.04	0.00	27.87	314	100	Average	VERTICAL
3 p	2411.00	108.25	74.00			2.05	0.00	27.84	314	100	Peak	VERTICAL
4 a	2412.70	104.27	54.00			2.05	0.00	27.84	314	100	Average	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2390.00	45.91	54.00	-8.09	15.99	2.05	0.00	27.87	309	121	Average	VERTICAL
2	2390.00	55.68	74.00	-18.32	25.76	2.05	0.00	27.87	309	121	Peak	VERTICAL
3 p	2438.40	112.41	74.00			2.07	0.00	27.78	309	121	Peak	VERTICAL
4 a	2439.80	108.61	54.00			2.07	0.00	27.78	309	121	Average	VERTICAL
5	2483.50	46.79	54.00	-7.21	16.96	2.10	0.00	27.73	309	121	Average	VERTICAL
6	2483.50	56.24	74.00	-17.76	26.41	2.10	0.00	27.73	309	121	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	2463.10	109.15	74.00			2.08	0.00	27.76	178	103	Peak	VERTICAL
2 a	2464.80	105.22	54.00			2.08	0.00	27.76	178	103	Average	VERTICAL
3	2483.90	61.10	74.00	-12.90	31.27	2.10	0.00	27.73	178	103	Peak	VERTICAL
4 !	2487.00	51.74	54.00	-2.26	21.91	2.10	0.00	27.73	178	103	Average	VERTICAL

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 1, 6, 11 / Ant. B
Test Date	Nov. 28, 2009		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2388.00	70.24	74.00	-3.76	40.33	2.04	0.00	27.87	312	100	Peak	VERTICAL
2 !	2390.00	52.61	54.00	-1.39	22.69	2.05	0.00	27.87	312	100	Average	VERTICAL
3 p	2407.30	108.92	74.00			2.05	0.00	27.84	312	100	Peak	VERTICAL
4 a	2412.80	98.07	54.00			2.05	0.00	27.84	312	100	Average	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2389.80	65.53	74.00	-8.47	35.61	2.05	0.00	27.87	324	100	Peak	VERTICAL
2 !	2390.00	49.46	54.00	-4.54	19.54	2.05	0.00	27.87	324	100	Average	VERTICAL
3 a	2432.00	101.41	54.00			2.07	0.00	27.81	324	324	Average	VERTICAL
4 p	2432.30	113.05	74.00			2.07	0.00	27.81	324	100	Peak	VERTICAL
5	2483.50	47.38	54.00	-6.62	17.55	2.10	0.00	27.73	324	100	Average	VERTICAL
6	2485.30	63.70	74.00	-10.30	33.87	2.10	0.00	27.73	324	100	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	2457.20	109.62	74.00			2.08	0.00	27.76	177	104	Peak	VERTICAL
2 a	2463.20	98.53	54.00			2.08	0.00	27.76	177	104	Average	VERTICAL
3 !	2483.05	53.07	54.00	-0.93	23.24	2.10	0.00	27.73	177	177	Average	VERTICAL
4 !	2483.74	73.17	74.00	-0.83	43.34	2.10	0.00	27.73	177	104	Peak	VERTICAL

Item 1, 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 Antenna C>

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch 1, 6, 11 / Ant. C
Test Date	Dec. 25, 2009		

Channel 1

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2389.80	72.12	74.00	-1.88	42.20	2.05	0.00	27.87	153	100	Peak	VERTICAL
2 !	2390.00	49.65	54.00	-4.35	19.73	2.05	0.00	27.87	153	100	Average	VERTICAL
3 p	2413.20	109.76	74.00			2.05	0.00	27.84	153	100	Peak	VERTICAL
4 a	2413.60	99.31	54.00			2.05	0.00	27.84	153	100	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz

Channel 6

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2389.80	71.45	74.00	-2.55	41.53	2.05	0.00	27.87	107	100	Peak	VERTICAL
2 !	2390.00	52.90	54.00	-1.10	22.98	2.05	0.00	27.87	107	100	Average	VERTICAL
3 p	2436.20	117.48	74.00			2.07	0.00	27.81	107	100	Peak	VERTICAL
4 a	2438.40	107.22	54.00			2.07	0.00	27.78	107	100	Average	VERTICAL
5 !	2483.50	53.97	54.00	-0.03	24.14	2.10	0.00	27.73	107	100	Average	VERTICAL
6 !	2485.50	73.02	74.00	-0.98	43.19	2.10	0.00	27.73	107	100	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2460.60	99.32	54.00			2.08	0.00	27.76	91	100	Average	VERTICAL
2 p	2462.20	109.77	74.00			2.08	0.00	27.76	91	100	Peak	VERTICAL
3 !	2483.50	51.45	54.00	-2.55	21.62	2.10	0.00	27.73	91	100	Average	VERTICAL
4 !	2484.70	73.03	74.00	-0.97	43.20	2.10	0.00	27.73	91	100	Peak	VERTICAL

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 3, 6, 9 / Ant. C
Test Date	Dec. 25, 2009		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2388.80	73.49	74.00	-0.51	43.58	2.04	0.00	27.87	152	100	Peak	VERTICAL
2 !	2390.00	52.56	54.00	-1.44	22.64	2.05	0.00	27.87	152	100	Average	VERTICAL
3 a	2431.20	95.95	54.00			2.07	0.00	27.81	152	100	Average	VERTICAL
4 p	2431.60	106.63	74.00			2.07	0.00	27.81	152	100	Peak	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2388.80	68.62	74.00	-5.38	38.71	2.04	0.00	27.87	91	100	Peak	VERTICAL
2 !	2390.00	53.28	54.00	-0.72	23.36	2.05	0.00	27.87	91	100	Average	VERTICAL
3 a	2445.80	98.41	54.00			2.08	0.00	27.78	91	100	Average	VERTICAL
4 p	2449.00	109.44	74.00			2.08	0.00	27.78	91	100	Peak	VERTICAL
5 !	2484.30	70.13	74.00	-3.87	40.30	2.10	0.00	27.73	91	100	Peak	VERTICAL
6 !	2484.70	53.88	54.00	-0.12	24.05	2.10	0.00	27.73	91	100	Average	VERTICAL

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

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	2446.40	106.82	74.00			2.08	0.00	27.78	272	100	Peak	VERTICAL
2 a	2449.20	95.83	54.00			2.08	0.00	27.78	272	100	Average	VERTICAL
3 !	2483.90	52.27	54.00	-1.73	22.44	2.10	0.00	27.73	272	100	Average	VERTICAL
4 !	2484.70	72.94	74.00	-1.06	43.11	2.10	0.00	27.73	272	100	Peak	VERTICAL

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

Note:

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

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 1, 6, 11 / Ant. C
Test Date	Dec. 25, 2009		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2386.80	52.93	54.00	-1.07	23.02	2.04	0.00	27.87	92	100	Average	VERTICAL
2	2386.80	60.91	74.00	-13.09	31.00	2.04	0.00	27.87	92	100	Peak	VERTICAL
3 p	2411.00	113.35	74.00			2.05	0.00	27.84	92	100	Peak	VERTICAL
4 a	2411.20	109.54	54.00			2.05	0.00	27.84	92	100	Average	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2389.40	59.92	74.00	-14.08	30.01	2.04	0.00	27.87	326	100	Peak	VERTICAL
2	2390.00	47.47	54.00	-6.53	17.55	2.05	0.00	27.87	326	100	Average	VERTICAL
3 p	2436.20	115.92	74.00			2.07	0.00	27.81	326	100	Peak	VERTICAL
4 a	2437.80	111.99	54.00			2.07	0.00	27.78	326	100	Average	VERTICAL
5	2483.70	58.21	74.00	-15.79	28.38	2.10	0.00	27.73	326	100	Peak	VERTICAL
6	2484.70	47.91	54.00	-6.09	18.08	2.10	0.00	27.73	326	100	Average	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2462.80	106.75	54.00			2.08	0.00	27.76	90	100	Average	VERTICAL
2 p	2463.20	110.69	74.00			2.08	0.00	27.76	90	100	Peak	VERTICAL
3	2486.50	62.85	74.00	-11.15	33.02	2.10	0.00	27.73	90	100	Peak	VERTICAL
4 !	2487.30	50.85	54.00	-3.15	21.02	2.10	0.00	27.73	90	100	Average	VERTICAL

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 1, 6, 11 / Ant. C
Test Date	Dec. 25, 2009		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2390.00	52.70	54.00	-1.30	22.78	2.05	0.00	27.87	91	100	Average	VERTICAL
2 !	2390.00	72.41	74.00	-1.59	42.49	2.05	0.00	27.87	91	100	Peak	VERTICAL
3 p	2407.20	113.65	74.00			2.05	0.00	27.84	91	100	Peak	VERTICAL
4 a	2410.60	102.28	54.00			2.05	0.00	27.84	91	100	Average	VERTICAL

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

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2389.80	69.54	74.00	-4.46	39.62	2.05	0.00	27.87	90	100	Peak	VERTICAL
2 !	2390.00	53.01	54.00	-0.99	23.09	2.05	0.00	27.87	90	100	Average	VERTICAL
3 a	2438.00	106.83	54.00			2.07	0.00	27.78	90	100	Average	VERTICAL
4 p	2439.80	117.49	74.00			2.07	0.00	27.78	90	100	Peak	VERTICAL
5 !	2483.30	53.50	54.00	-0.50	23.67	2.10	0.00	27.73	90	100	Average	VERTICAL
6 !	2485.30	73.00	74.00	-1.00	43.17	2.10	0.00	27.73	90	100	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2463.20	99.69	54.00			2.08	0.00	27.76	90	100	Average	VERTICAL
2 p	2464.00	109.81	74.00			2.08	0.00	27.76	90	100	Peak	VERTICAL
3 !	2483.50	51.18	54.00	-2.82	21.35	2.10	0.00	27.73	90	100	Average	VERTICAL
4 !	2484.50	71.87	74.00	-2.13	42.04	2.10	0.00	27.73	90	100	Peak	VERTICAL

Item 1, 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 Antenna D>

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 20MHz Ch 1, 6, 11 / Ant. D
Test Date	Dec. 24, 2009		

Channel 1

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 !	2389.80	68.58	74.00	-5.42	37.65	2.88	0.00	28.05	87	100	Peak	VERTICAL
2 !	2390.00	48.51	54.00	-5.49	17.58	2.88	0.00	28.05	87	100	Average	VERTICAL
3 p	2412.20	101.93	74.00			2.88	0.00	28.09	87	100	Peak	VERTICAL
4 a	2415.00	91.63	54.00			2.88	0.00	28.09	87	100	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz

Channel 6

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2389.20	60.01	74.00	-13.99	29.10	2.86	0.00	28.05	260	100	Peak	VERTICAL
2	2390.00	46.07	54.00	-7.93	15.14	2.88	0.00	28.05	260	100	Average	VERTICAL
3 p	2432.60	106.73	74.00			2.89	0.00	28.13	260	100	Peak	VERTICAL
4 a	2434.40	96.10	54.00			2.89	0.00	28.18	260	100	Average	VERTICAL
5	2483.50	45.59	54.00	-8.41	14.40	2.93	0.00	28.26	260	100	Average	VERTICAL
6	2485.10	59.48	74.00	-14.52	28.25	2.93	0.00	28.30	260	100	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 p	2461.80	100.38	74.00			2.91	0.00	28.22	42	100	Peak	VERTICAL
2 a	2464.80	89.96	54.00			2.91	0.00	28.22	42	100	Average	VERTICAL
3	2483.50	45.60	54.00	-8.40	14.41	2.93	0.00	28.26	42	100	Average	VERTICAL
4	2484.50	63.33	74.00	-10.67	32.14	2.93	0.00	28.26	42	100	Peak	VERTICAL

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11n MCS0 40MHz Ch 3, 6, 9 / Ant. D
Test Date	Dec. 24, 2009		

Channel 3

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2388.80	67.84	74.00	-6.16	36.93	2.86	0.00	28.05	85	100	Peak	VERTICAL
2	2390.00	48.08	54.00	-5.92	17.15	2.88	0.00	28.05	85	100	Average	VERTICAL
3	2416.40	97.68	74.00			2.89	0.00	28.09	85	100	Peak	VERTICAL
4	2416.80	86.64	54.00			2.89	0.00	28.09	85	100	Average	VERTICAL

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

Channel 6

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2387.60	64.17	74.00	-9.83	33.26	2.86	0.00	28.05	38	100	Peak	VERTICAL
2	2390.00	48.46	54.00	-5.54	17.53	2.88	0.00	28.05	38	100	Average	VERTICAL
3	2439.00	88.64	54.00			2.89	0.00	28.18	38	100	Average	VERTICAL
4	2442.60	99.48	74.00			2.91	0.00	28.18	38	100	Peak	VERTICAL
5	2483.50	48.61	54.00	-5.39	17.42	2.93	0.00	28.26	38	100	Average	VERTICAL
6	2483.90	64.51	74.00	-9.49	33.32	2.93	0.00	28.26	38	100	Peak	VERTICAL

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

Channel 9

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2449.20	85.62	54.00			2.91	0.00	28.18	47	100	Average	VERTICAL
2	2450.40	95.60	74.00			2.91	0.00	28.18	47	100	Peak	VERTICAL
3	2483.50	65.04	74.00	-8.96	33.85	2.93	0.00	28.26	47	100	Peak	VERTICAL
4	2484.30	46.35	54.00	-7.65	15.16	2.93	0.00	28.26	47	100	Average	VERTICAL

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

Note:

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

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11b CH 1, 6, 11 / Ant. D
Test Date	Dec. 24, 2009		

Channel 1

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2385.80	57.07	74.00	-16.93	26.16	2.86	0.00	28.05	86	100	Peak	VERTICAL
2	2387.00	46.17	54.00	-7.83	15.26	2.86	0.00	28.05	86	100	Average	VERTICAL
3 p	2413.00	103.37	74.00			2.88	0.00	28.09	86	100	Peak	VERTICAL
4 a	2414.80	99.43	54.00			2.88	0.00	28.09	86	100	Average	VERTICAL

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

Channel 6

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2389.40	55.26	74.00	-18.74	24.35	2.86	0.00	28.05	40	100	Peak	VERTICAL
2	2390.00	43.76	54.00	-10.24	12.83	2.88	0.00	28.05	40	100	Average	VERTICAL
3 a	2437.80	100.76	54.00			2.89	0.00	28.18	40	100	Average	VERTICAL
4 p	2438.20	104.77	74.00			2.89	0.00	28.18	40	100	Peak	VERTICAL
5	2483.50	54.66	74.00	-19.34	23.47	2.93	0.00	28.26	40	100	Peak	VERTICAL
6	2483.50	44.16	54.00	-9.84	12.97	2.93	0.00	28.26	40	100	Average	VERTICAL

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

Channel 11

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1 a	2462.80	98.13	54.00			2.91	0.00	28.22	43	100	Average	VERTICAL
2 p	2463.00	102.03	74.00			2.91	0.00	28.22	43	100	Peak	VERTICAL
3	2487.50	56.51	74.00	-17.49	25.28	2.93	0.00	28.30	43	100	Peak	VERTICAL
4	2487.60	46.08	54.00	-7.92	14.85	2.93	0.00	28.30	43	100	Average	VERTICAL

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

Temperature	23°C	Humidity	56%
Test Engineer	Alan Huang	Configurations	IEEE 802.11g CH 1, 6, 11 / Ant. D
Test Date	Dec. 24, 2009		

Channel 1

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2390.00	65.45	74.00	-8.55	34.52	2.88	0.00	28.05	86	100	Peak	VERTICAL
2	2390.00	48.94	54.00	-5.06	18.01	2.88	0.00	28.05	86	100	Average	VERTICAL
3	2407.40	103.03	74.00			2.88	0.00	28.09	86	100	Peak	VERTICAL
4	2415.40	92.31	54.00			2.89	0.00	28.09	86	100	Average	VERTICAL

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

Channel 6

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2388.40	62.92	74.00	-11.08	32.01	2.86	0.00	28.05	86	100	Peak	VERTICAL
2	2390.00	47.02	54.00	-6.98	16.09	2.88	0.00	28.05	86	100	Average	VERTICAL
3	2432.20	106.68	74.00			2.89	0.00	28.13	86	100	Peak	VERTICAL
4	2439.60	95.72	54.00			2.89	0.00	28.18	86	100	Average	VERTICAL
5	2483.50	45.74	54.00	-8.26	14.55	2.93	0.00	28.26	86	100	Average	VERTICAL
6	2484.90	61.43	74.00	-12.57	30.24	2.93	0.00	28.26	86	100	Peak	VERTICAL

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

Channel 11

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm		
1	2457.40	102.41	74.00			2.91	0.00	28.22	43	100	Peak	VERTICAL
2	2463.00	91.52	54.00			2.91	0.00	28.22	43	100	Average	VERTICAL
3	2483.50	65.38	74.00	-8.62	34.19	2.93	0.00	28.26	43	100	Peak	VERTICAL
4	2483.50	46.66	54.00	-7.34	15.47	2.93	0.00	28.26	43	100	Average	VERTICAL

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

Note:

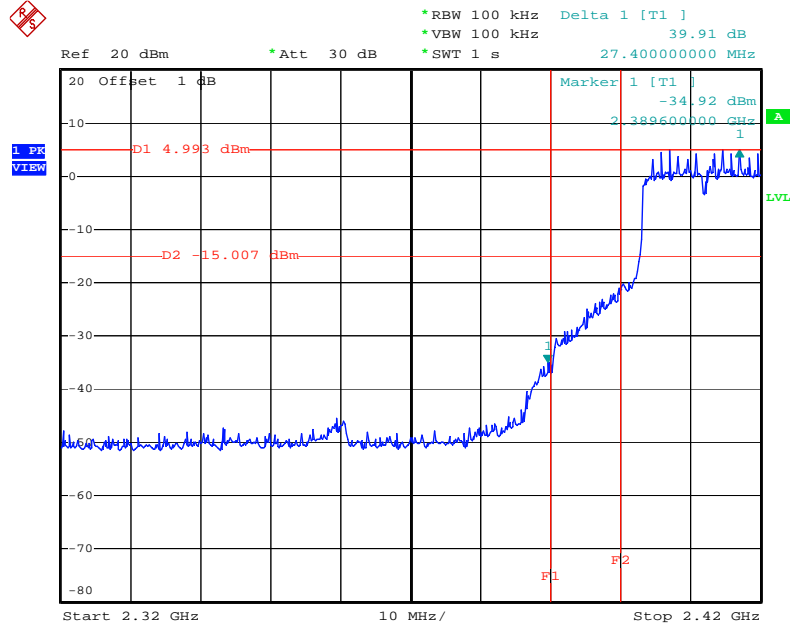
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

For Emission not in Restricted Band

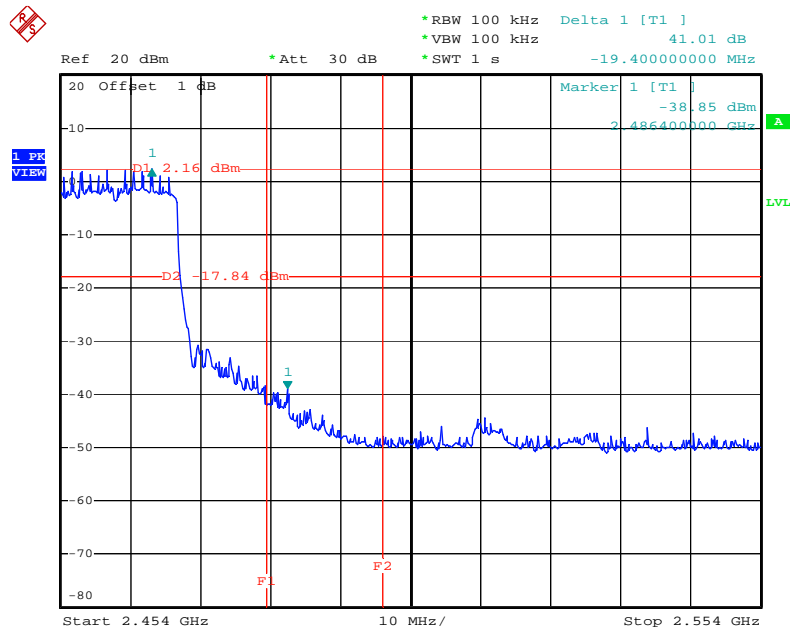
<For Antenna A>

Low Band Edge Plot on Configuration IEEE 802.11n MCS0 20MHz Ant. A / 2412 MHz



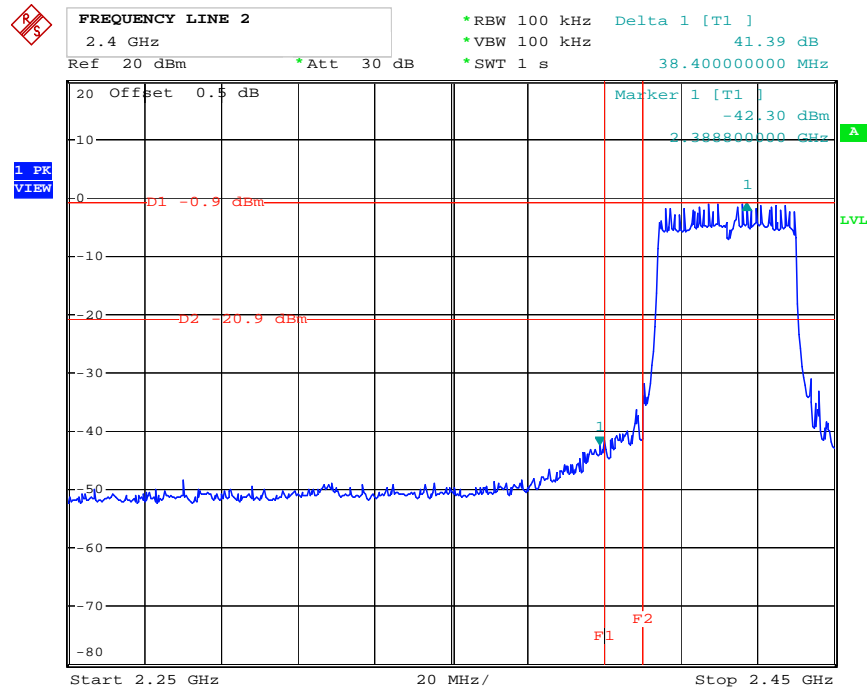
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High Band Edge Plot on Configuration IEEE 802.11n MCS0 20MHz Ant. A / 2462 MHz



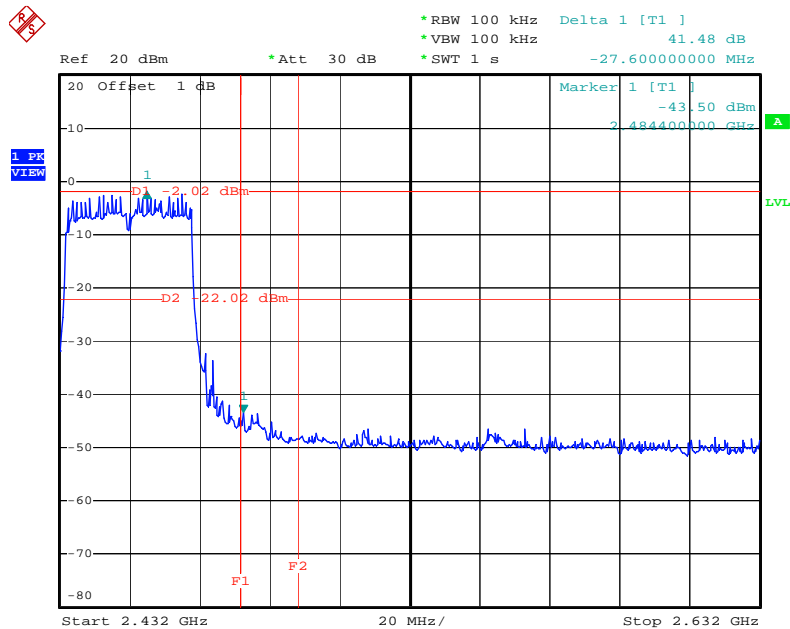
Date: 30.NOV.2009 16:31:42

Low Band Edge Plot on Configuration IEEE 802.11n MCS0 40MHz Ant. A / 2422 MHz



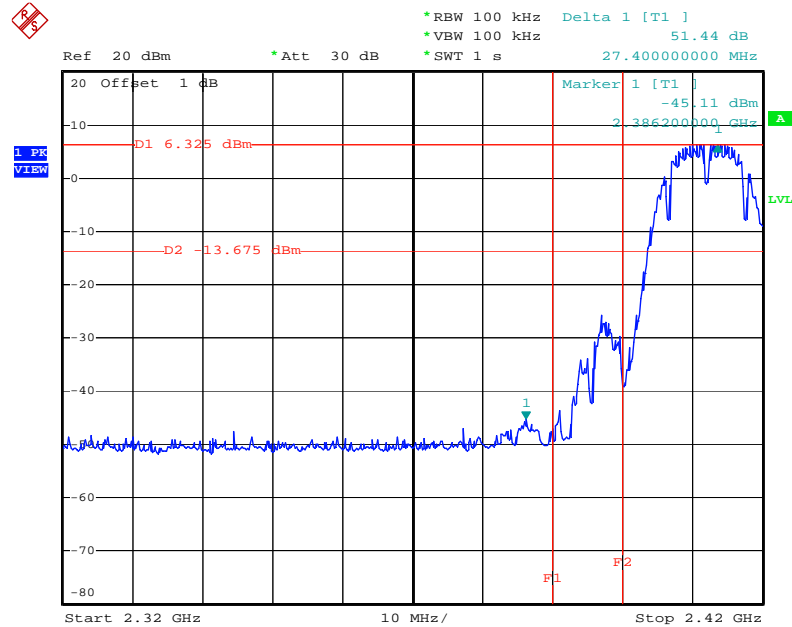
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High Band Edge Plot on Configuration IEEE 802.11n MCS0 40MHz Ant. A / 2452 MHz



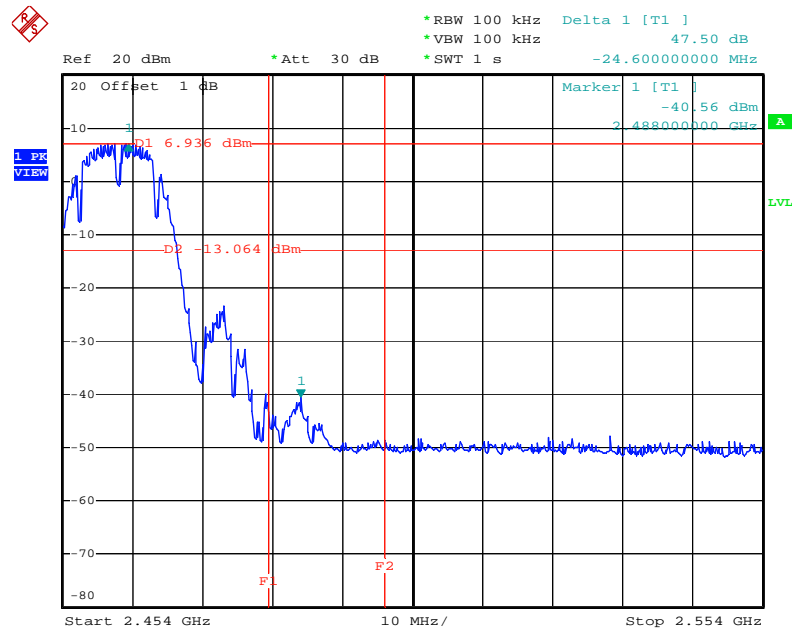
Date: 30.NOV.2009 16:24:44

Low Band Edge Plot on Configuration IEEE 802.11b Ant. A / 2412 MHz



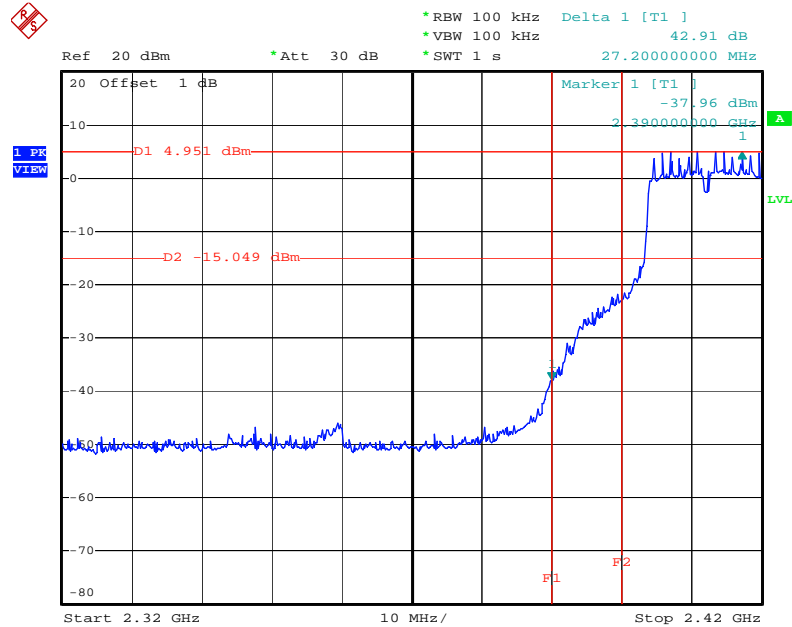
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High Band Edge Plot on Configuration IEEE 802.11b Ant. A / 2462 MHz



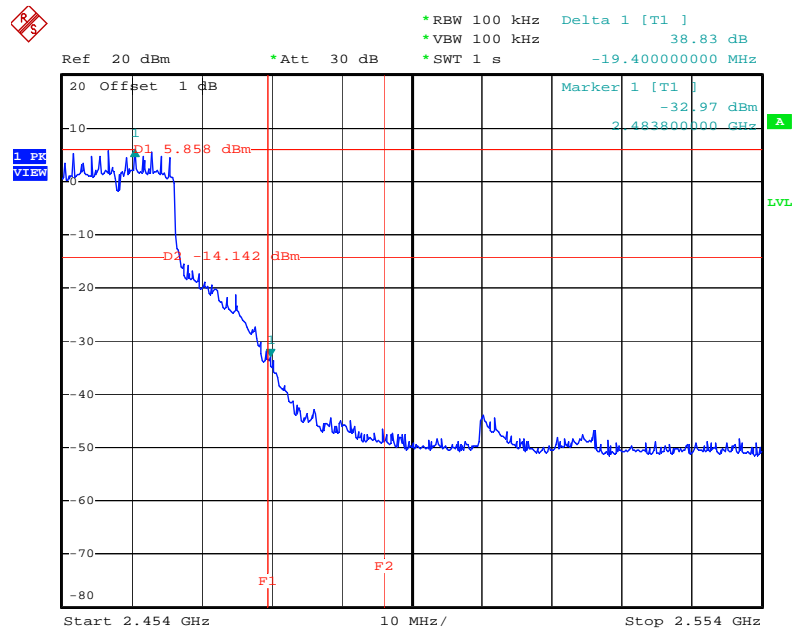
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Low Band Edge Plot on Configuration IEEE 802.11g Ant. A / 2412 MHz



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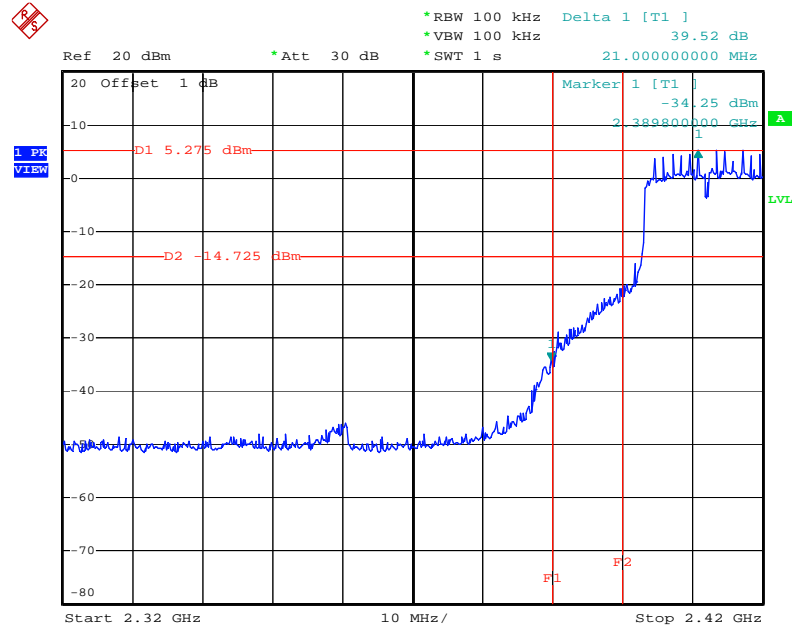
High Band Edge Plot on Configuration IEEE 802.11g Ant. A / 2462 MHz



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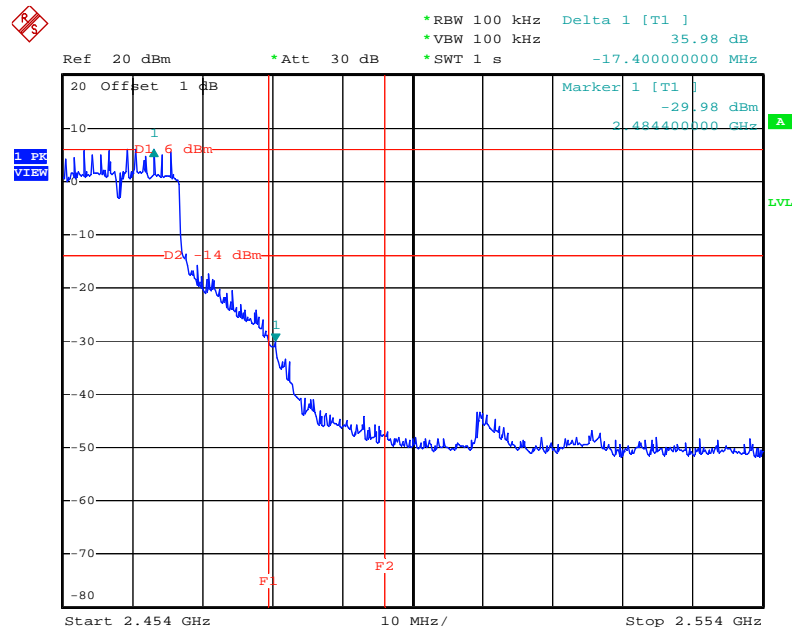
<For Antenna B>

Low Band Edge Plot on Configuration IEEE 802.11n MCS0 20MHz Ant. B / 2412 MHz



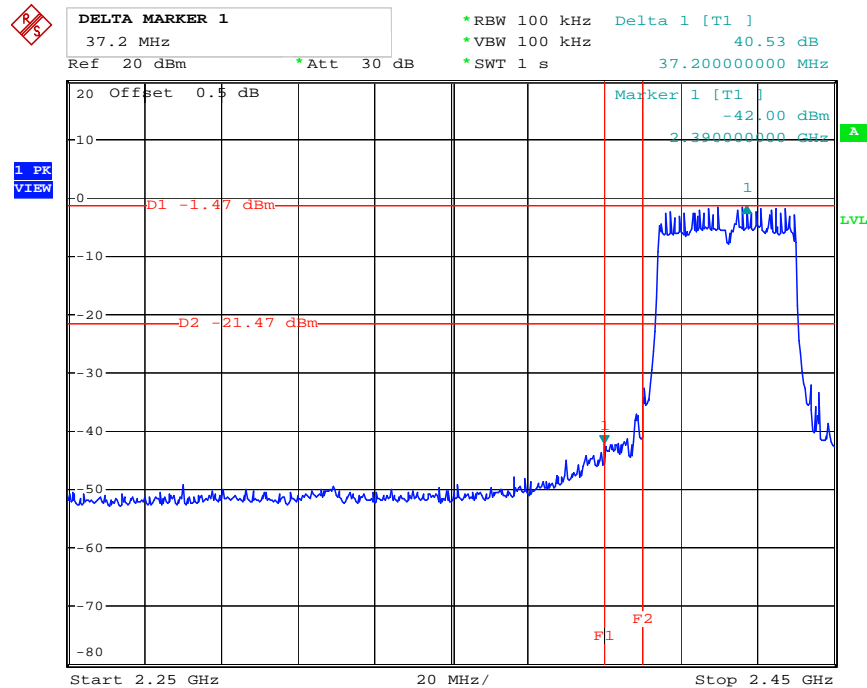
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High Band Edge Plot on Configuration IEEE 802.11n MCS0 20MHz Ant. B / 2462 MHz



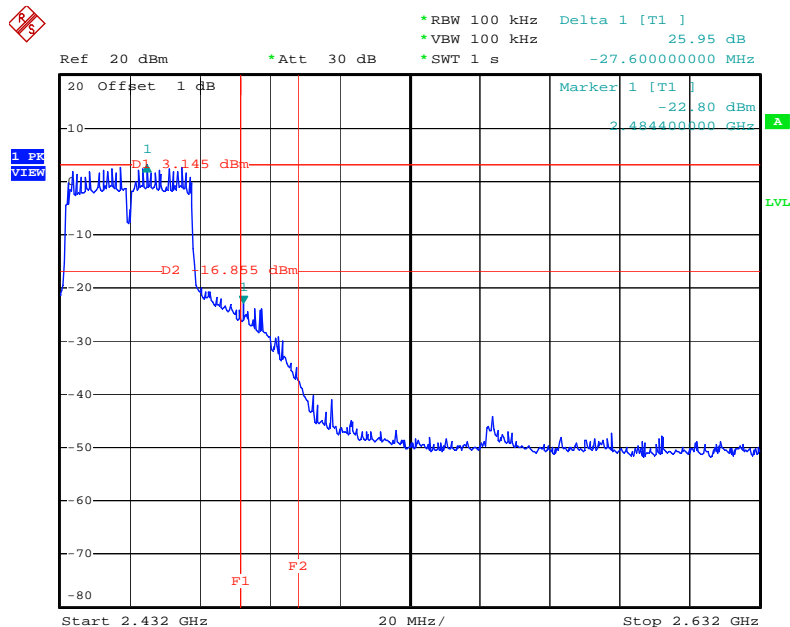
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Low Band Edge Plot on Configuration IEEE 802.11n MCS0 40MHz Ant. B / 2422 MHz



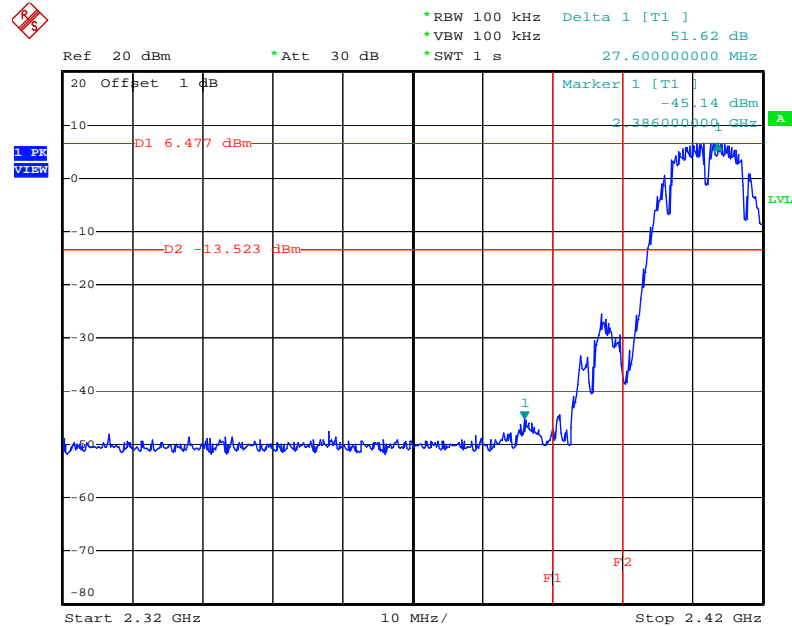
Date: 9.DEC.2009 16:37:51

High Band Edge Plot on Configuration IEEE 802.11n MCS0 40MHz Ant. B / 2452 MHz



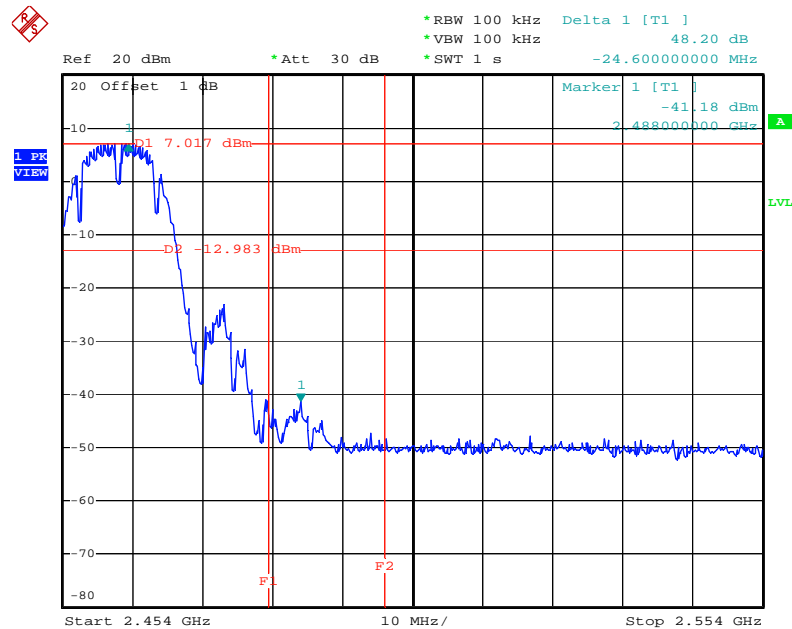
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Low Band Edge Plot on Configuration IEEE 802.11b Ant. B / 2412 MHz



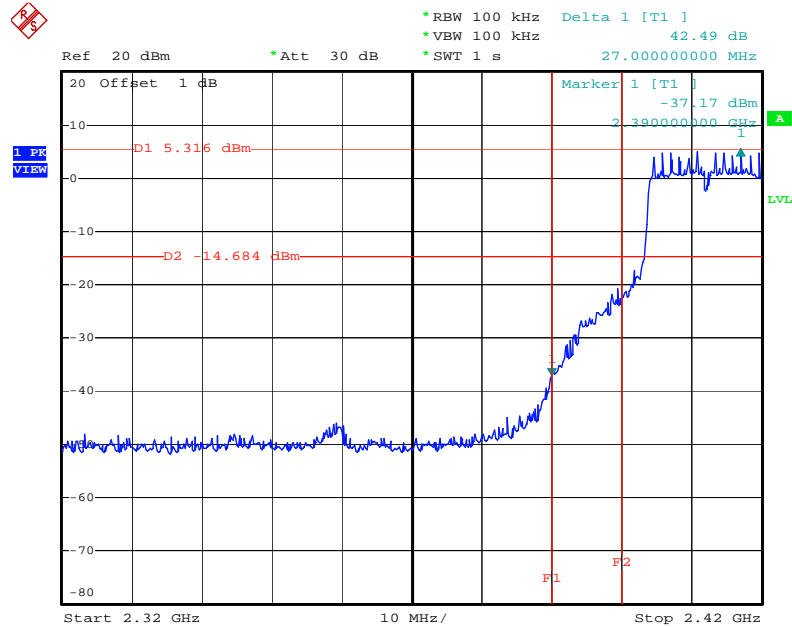
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High Band Edge Plot on Configuration IEEE 802.11b Ant. B / 2462 MHz



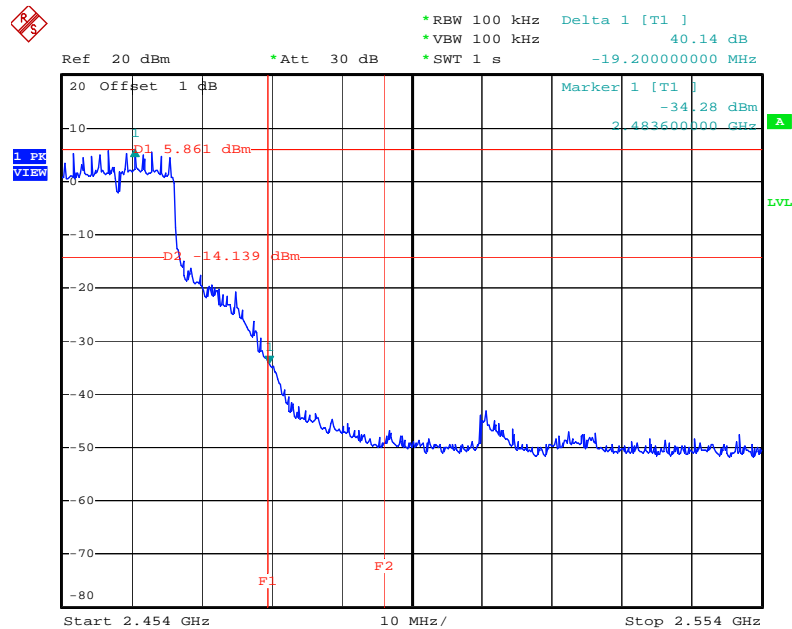
Date: 30.NOV.2009 17:21:55

Low Band Edge Plot on Configuration IEEE 802.11g Ant. B / 2412 MHz



Date: 30.NOV.2009 17:27:28

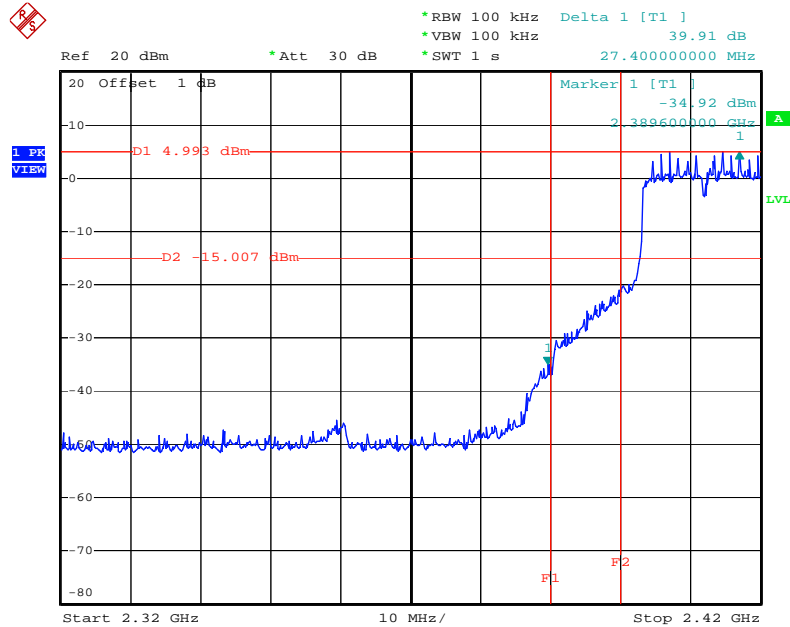
High Band Edge Plot on Configuration IEEE 802.11g Ant. B / 2462 MHz



Date: 30.NOV.2009 17:24:44

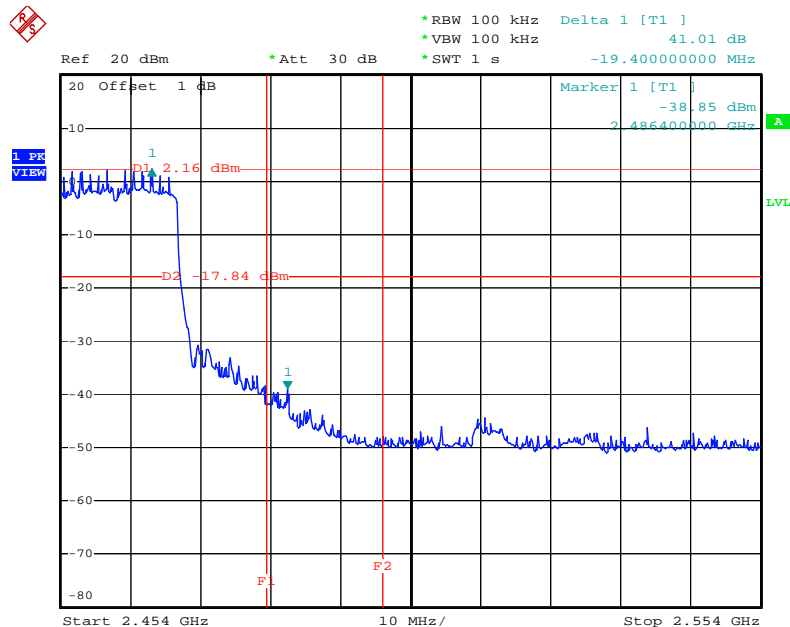
<For Antenna C>

Low Band Edge Plot on Configuration IEEE 802.11n MCS0 20MHz Ant. C / 2412 MHz



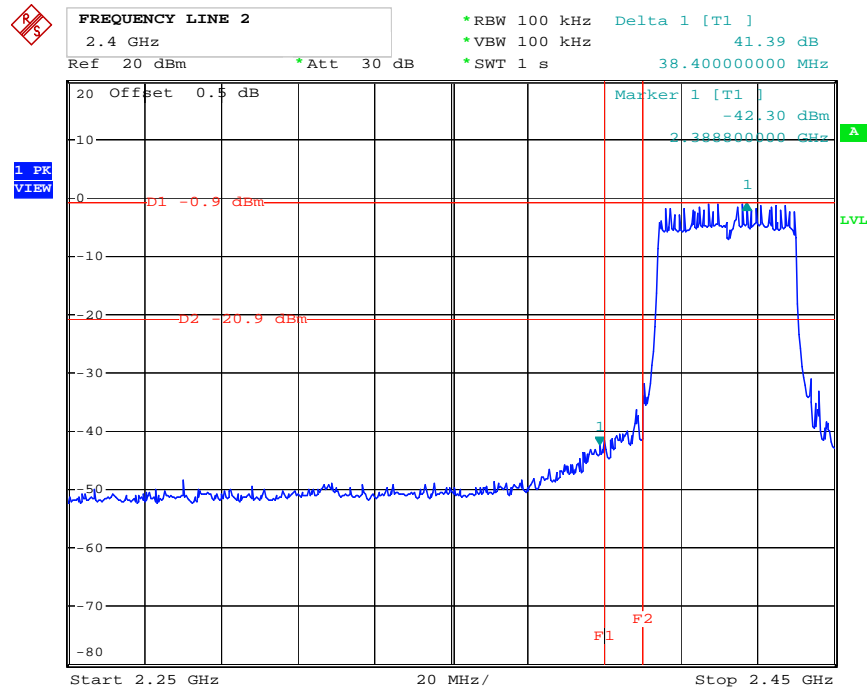
Date: 30.NOV.2009 16:36:29

High Band Edge Plot on Configuration IEEE 802.11n MCS0 20MHz Ant. C / 2462 MHz



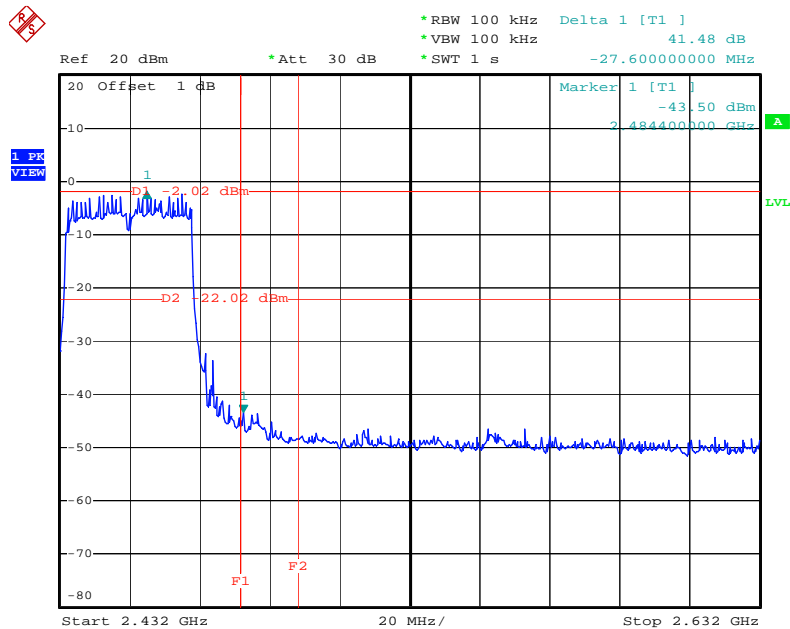
Date: 30.NOV.2009 16:31:42

Low Band Edge Plot on Configuration IEEE 802.11n MCS0 40MHz Ant. C / 2422 MHz



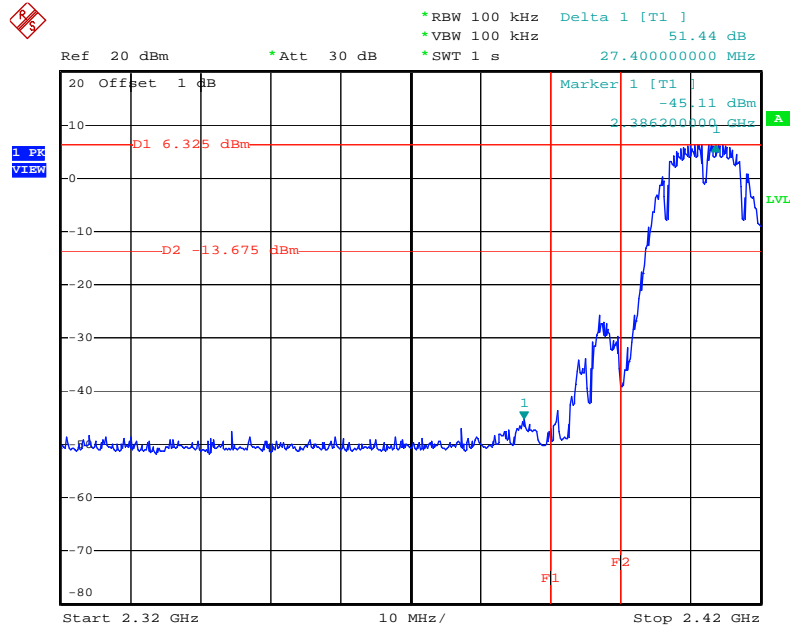
Date: 9.DEC.2009 16:34:38

High Band Edge Plot on Configuration IEEE 802.11n MCS0 40MHz Ant. C / 2452 MHz



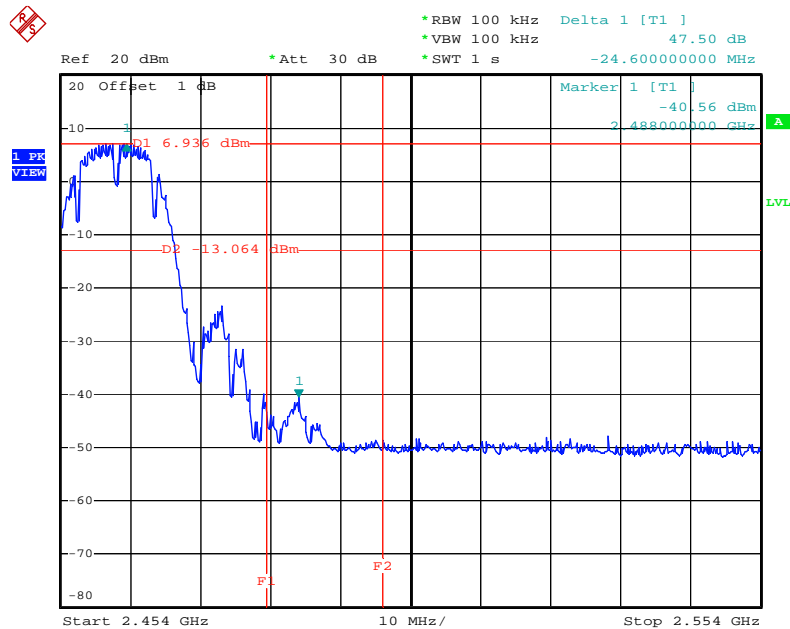
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Low Band Edge Plot on Configuration IEEE 802.11b Ant. C / 2412 MHz



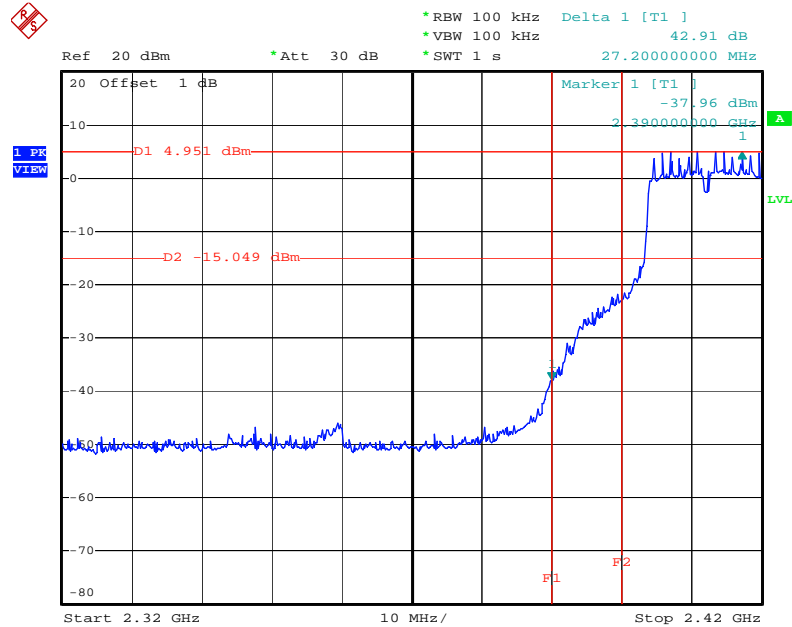
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High Band Edge Plot on Configuration IEEE 802.11b Ant. C / 2462 MHz



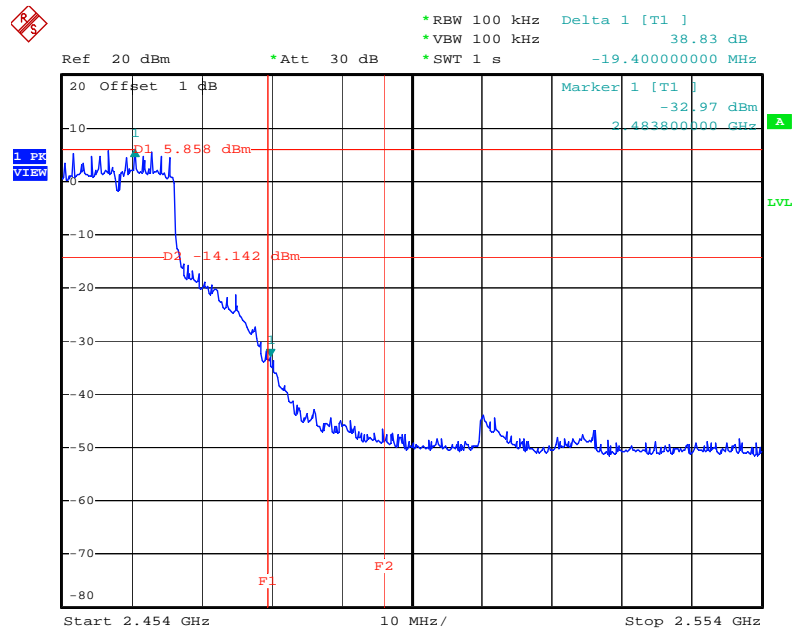
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Low Band Edge Plot on Configuration IEEE 802.11g Ant. C / 2412 MHz



Date: 30.NOV.2009 16:39:04

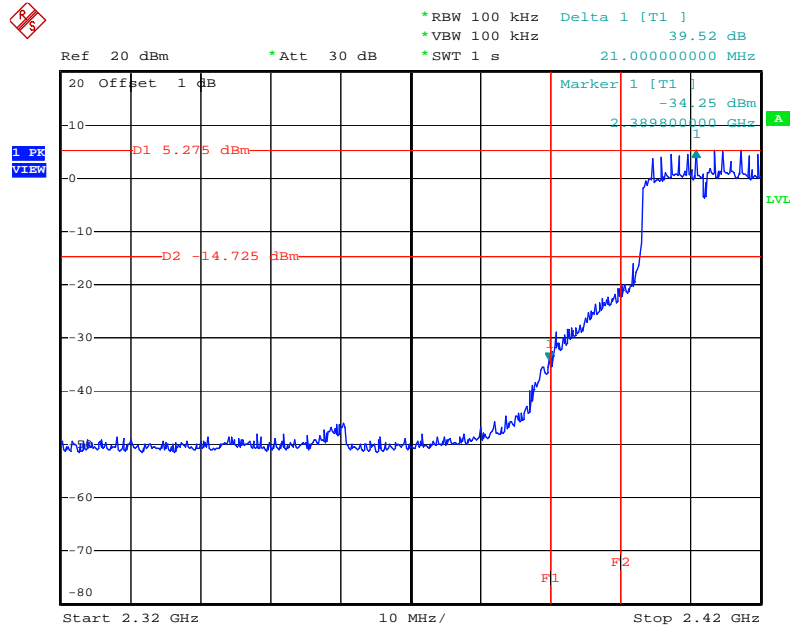
High Band Edge Plot on Configuration IEEE 802.11g Ant. C / 2462 MHz



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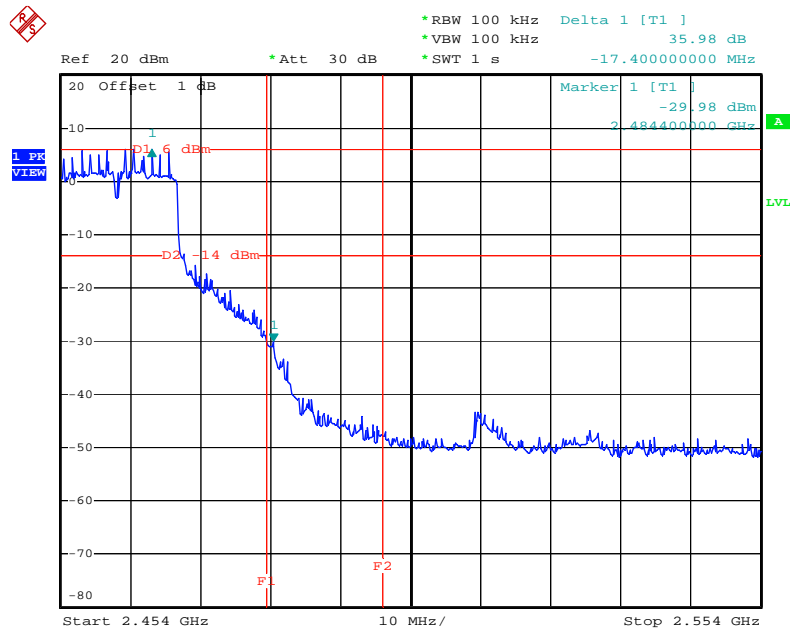
<For Antenna D>

Low Band Edge Plot on Configuration IEEE 802.11n MCS0 20MHz Ant. D / 2412 MHz



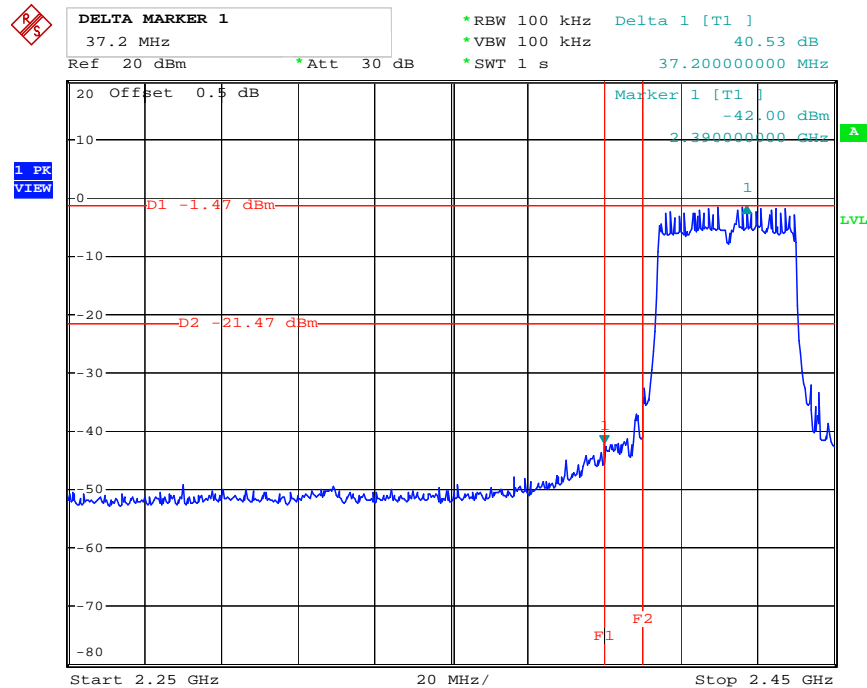
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High Band Edge Plot on Configuration IEEE 802.11n MCS0 20MHz Ant. D / 2462 MHz



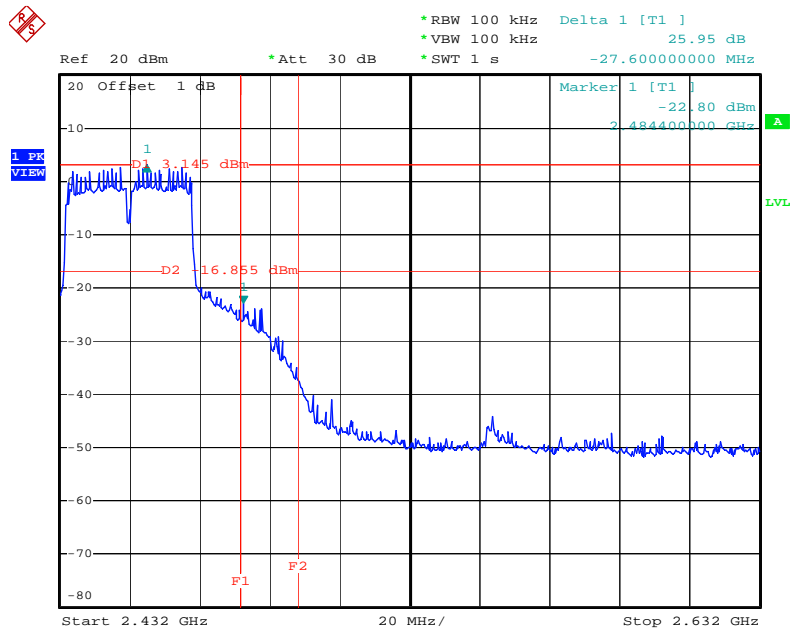
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Low Band Edge Plot on Configuration IEEE 802.11n MCS0 40MHz Ant. D / 2422 MHz



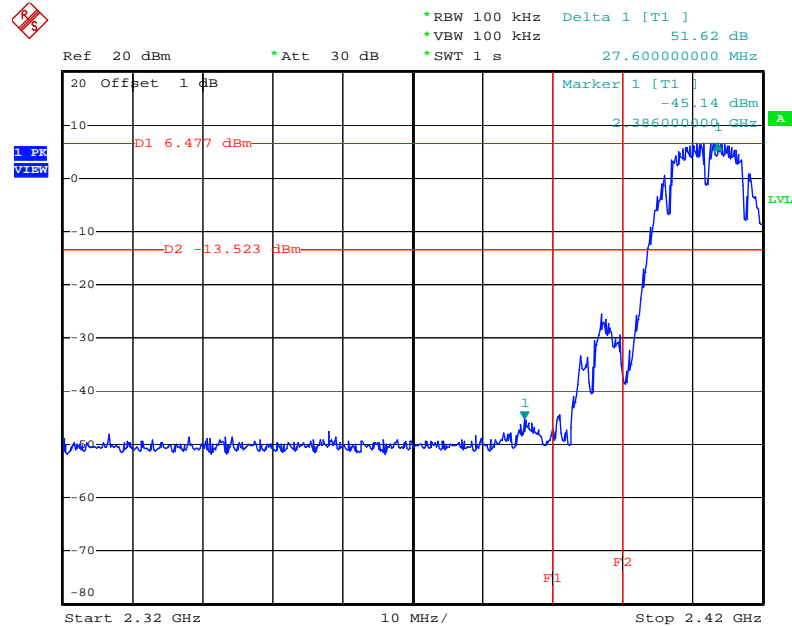
Date: 9.DEC.2009 16:37:51

High Band Edge Plot on Configuration IEEE 802.11n MCS0 40MHz Ant. D / 2452 MHz



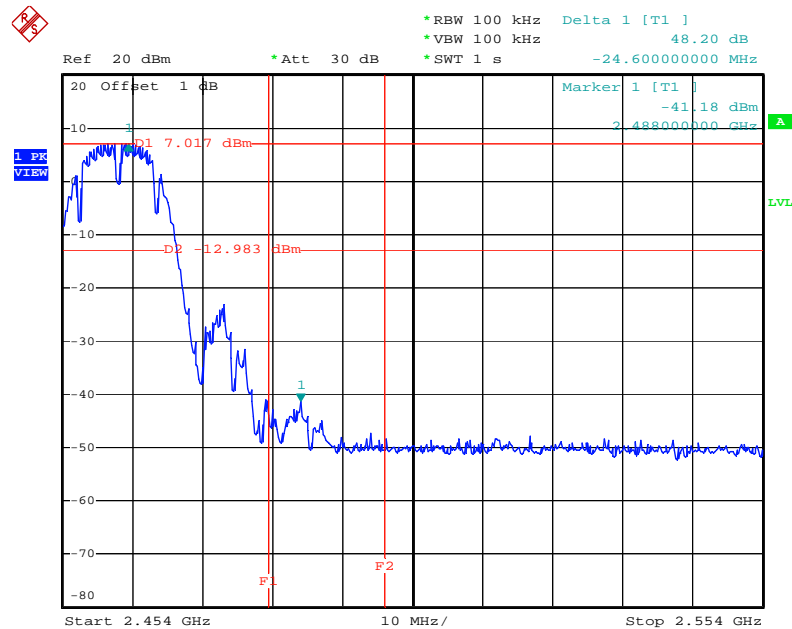
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Low Band Edge Plot on Configuration IEEE 802.11b Ant. D / 2412 MHz



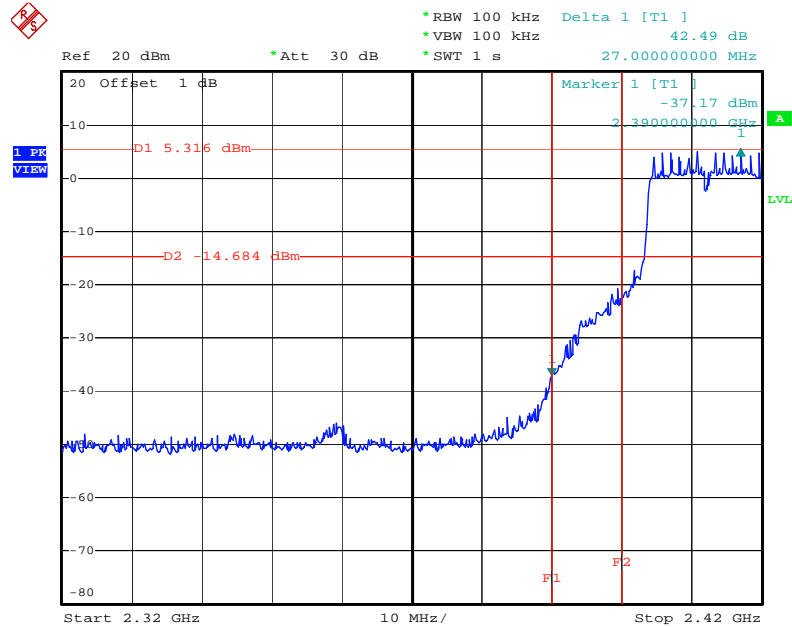
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High Band Edge Plot on Configuration IEEE 802.11b Ant. D / 2462 MHz



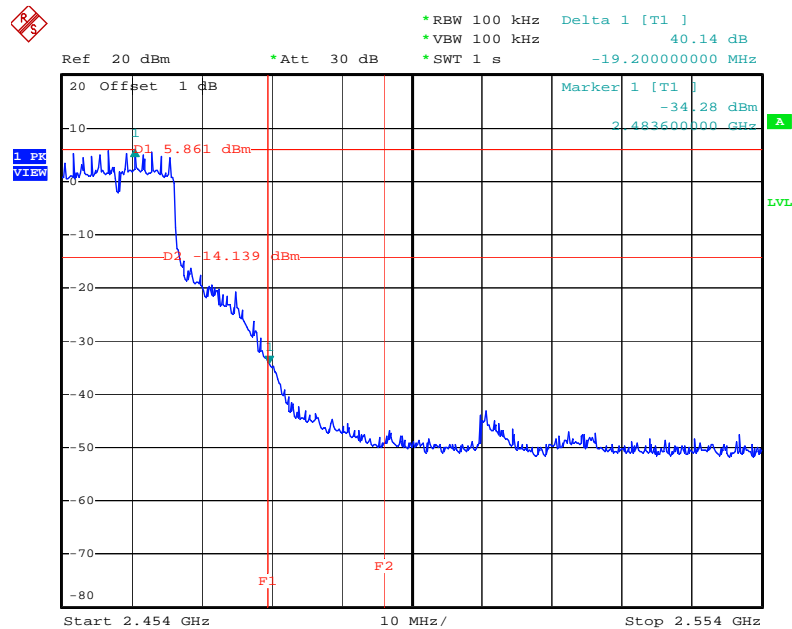
Date: 30.NOV.2009 17:21:55

Low Band Edge Plot on Configuration IEEE 802.11g Ant. D / 2412 MHz



Date: 30.NOV.2009 17:27:28

High Band Edge Plot on Configuration IEEE 802.11g Ant. D / 2462 MHz



Date: 30.NOV.2009 17:24:44

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	Apr. 15, 2009	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Mar. 23, 2009	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Mar. 22, 2009	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2009	Conduction (CO04-HY)
ISN	SCHAFFNER	ISN T400	21653	9kHz – 30MHz	Jun. 11, 2009	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. 07, 2009	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	COA9231A	18667	9 kHz - 2 GHz	Jan. 23, 2009	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	Jul. 21, 2009	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5 GHz - 40 GHz	Apr. 06, 2009*	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP30	100305	9 kHz - 40 GHz	Feb. 03, 2009	Radiation (03CH03-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	Jul. 28, 2008*	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30 MHz – 1 GHz	Sep. 26, 2009	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	Apr. 28, 2009	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15 GHz - 40 GHz	Jan.16, 2009	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz - 1 GHz	Jan. 05, 2009	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Jan. 05, 2009	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)
Spectrum Analyzer	R&S	FSU26.5	100015	20Hz ~ 26.5GHz	Oct. 29, 2009	Conducted (TH01-HY)
Power Meter	R&S	NRVS	100444	DC ~ 40GHz	Jul. 31, 2009	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z51	100666	DC ~ 30GHz	Aug. 05, 2009	Conducted (TH01-HY)
Power Sensor	R&S	NRV-Z32	100057	30MHz ~ 6GHz	Jul. 31, 2009	Conducted (TH01-HY)
AC Power Source	HPC	HPA-500W	HPA-9100024	AC 0 ~ 300V	Jul. 12, 2009*	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Mar. 13, 2009	Conducted (TH01-HY)
Temp. and Humidity Chamber	Giant Force	GTH-225-20-S	MAB0103-001	N/A	Aug. 06, 2009	Conducted (TH01-HY)
RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz ~ 7GHz	Dec. 01, 2008	Conducted (TH01-HY)
RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz ~ 7GHz	Dec. 01, 2009	Conducted (TH01-HY)
RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz ~ 1GHz	Dec. 01, 2008	Conducted (TH01-HY)
RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz ~ 1GHz	Dec. 01, 2009	Conducted (TH01-HY)
Vector Signal Generator	R&S	SMU200A	102098	100kHz ~ 6GHz	Feb. 13, 2009	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Mar. 25, 2009	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 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777
JHUBEI	ADD : No.8, Lane 724, 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. : LI190-070110

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.