Temperature	25°C	Humidity	57%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n
Test Date	Feb. 08, 2012	Test Mode	Mode 15

Configuration IEEE 802.11n MCS0 20MHz / Chain 1 (1TX, 2RX)

Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
149	5745 MHz	17.80	17.72	500	Complies
157	5785 MHz	17.80	17.72	500	Complies
165	5825 MHz	17.84	17.72	500	Complies

Configuration IEEE 802.11n MCS0 40MHz / Chain 1 (1TX, 2RX)

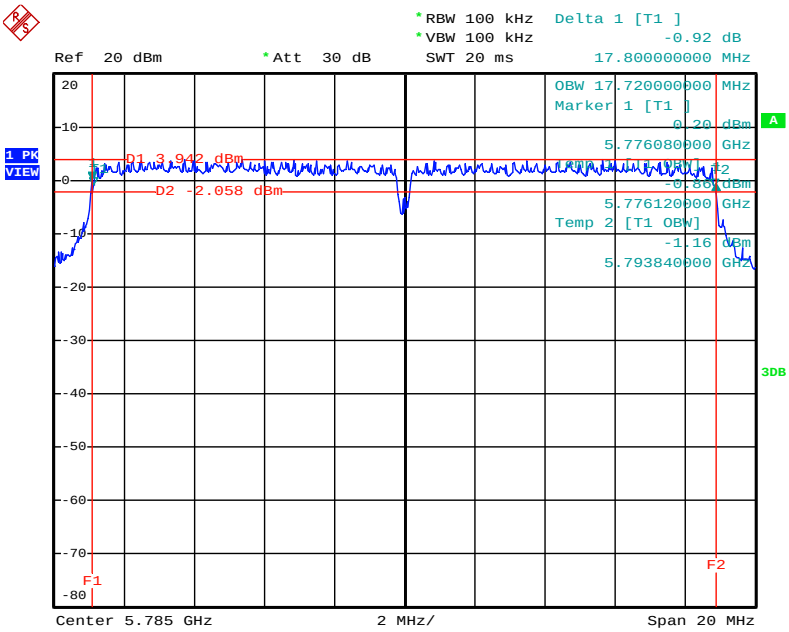
Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
151	5755 MHz	36.56	36.32	500	Complies
159	5795 MHz	36.64	36.40	500	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Satoshi Yang	Configurations	IEEE 802.11a
Test Date	Feb. 07, 2012	Test Mode	Mode 15

Configuration IEEE 802.11a / Chain 1 (1TX, 2RX)

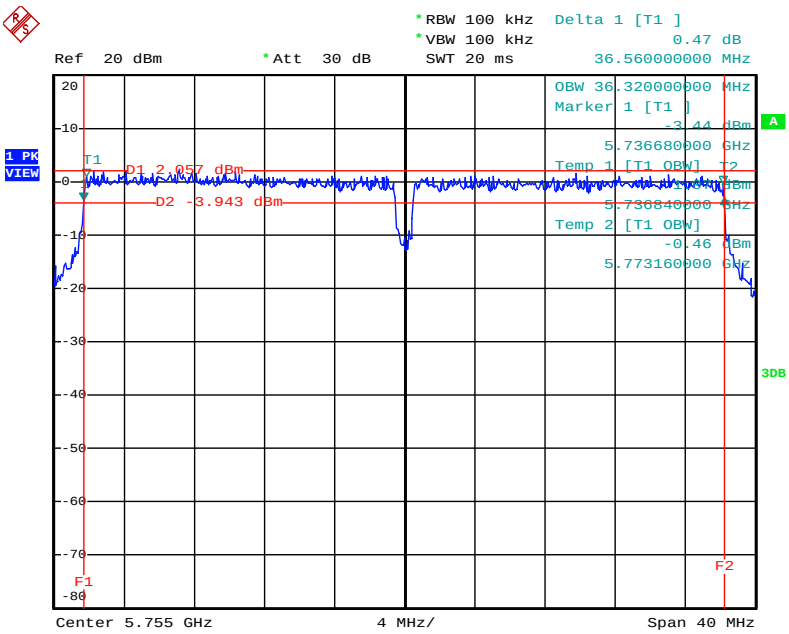
Channel	Frequency	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Min. Limit (kHz)	Test Result
149	5745 MHz	16.60	16.56	500	Complies
157	5785 MHz	16.56	16.56	500	Complies
165	5825 MHz	16.60	16.56	500	Complies

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5785 MHz /Mode 15 (1TX, 2RX)



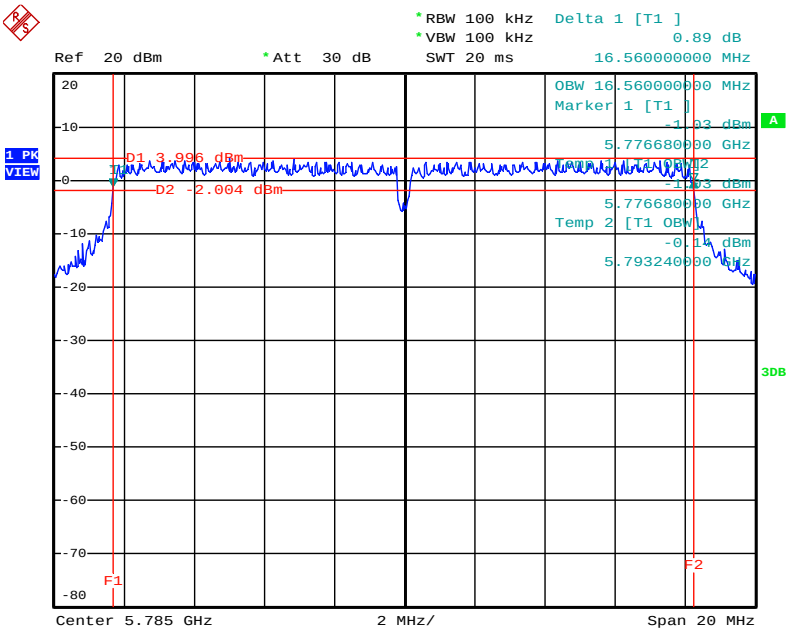
Date: 8.FEB.2012 21:53:03

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5755 MHz /Mode 15 (1TX, 2RX)



Date: 8.FEB.2012 21:48:04

6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 1 / 5785 MHz /Mode 15 (1TX, 2RX)



Date: 8.FEB.2012 21:59:23

4.5. Radiated Emissions Measurement

4.5.1. Limit

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

Frequencies (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

4.5.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 3MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	1MHz / 3MHz for peak

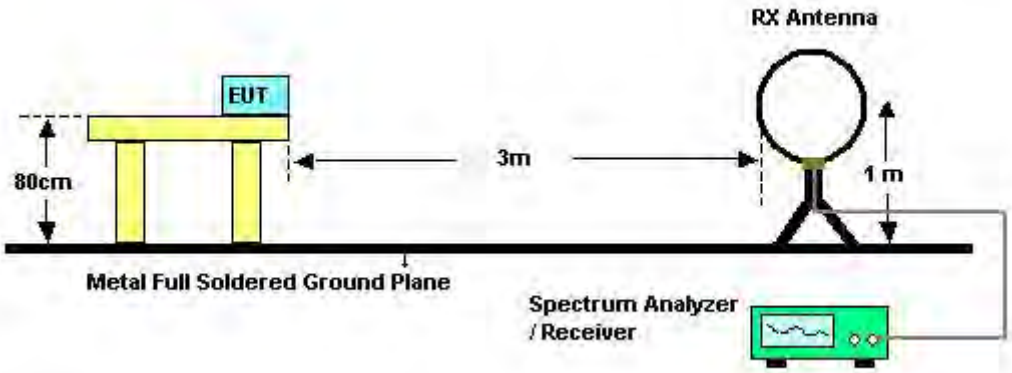
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

4.5.3. Test Procedures

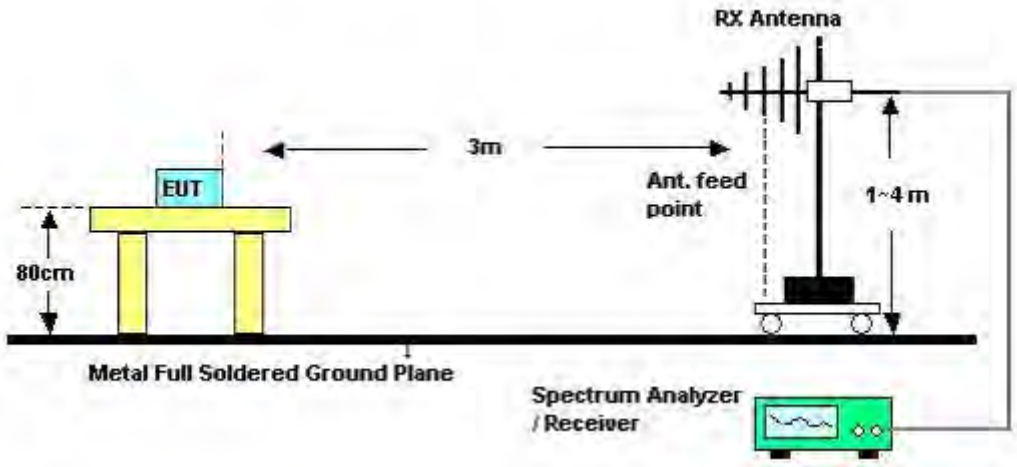
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and 3MHz RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

4.5.4. Test Setup Layout

For radiated emissions below 1GHz



For radiated emissions above 1GHz



4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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

Temperature	24.7℃	Humidity	57%
Test Engineer	Benson Peng	Configurations	Normal Link
Test Date	Nov. 23, 2011		

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

Note:

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

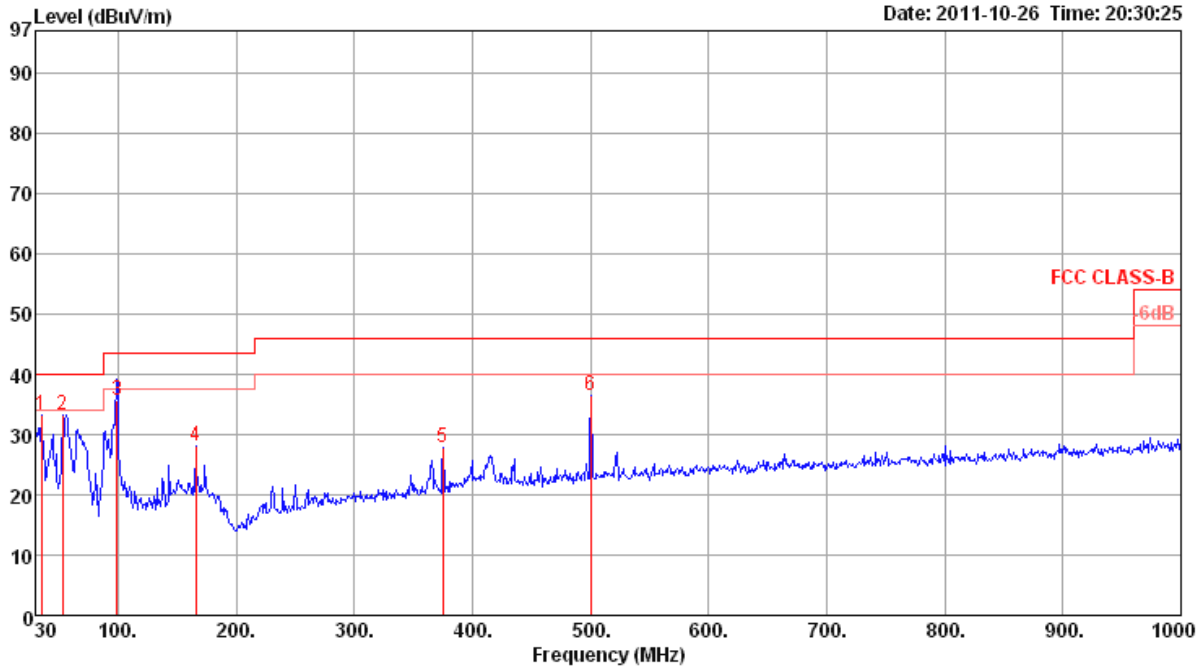
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

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

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

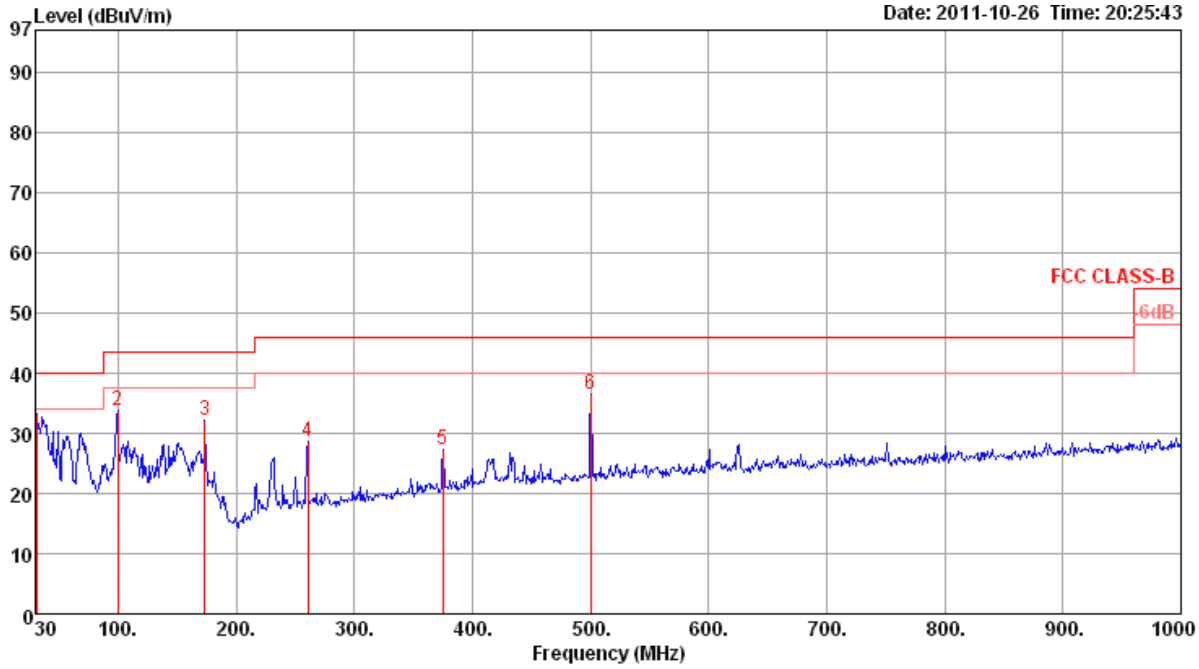
Temperature	21°C	Humidity	59%
Test Engineer	Benson Peng	Configurations	Normal Link
Test Mode	Mode 3		

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	34.85	33.18	40.00	-6.82	44.40	0.50	16.08	27.80	Peak	100	0	HORIZONTAL
2	53.28	33.19	40.00	-6.81	52.22	0.76	8.00	27.79	Peak	100	0	HORIZONTAL
3	98.87	35.56	43.50	-7.94	51.20	1.18	10.79	27.61	QP	210	5	HORIZONTAL
4	165.80	28.09	43.50	-15.41	41.36	1.53	12.47	27.27	Peak	100	0	HORIZONTAL
5	375.32	27.77	46.00	-18.23	37.55	2.25	15.40	27.43	Peak	100	0	HORIZONTAL
6	500.45	36.43	46.00	-9.57	44.20	2.70	17.63	28.10	Peak	100	0	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	30.97	33.22	40.00	-6.78	42.30	0.50	18.22	27.80	Peak	400	0	VERTICAL
2	99.84	33.75	43.50	-9.75	49.16	1.20	10.99	27.60	Peak	400	0	VERTICAL
3	173.56	32.22	43.50	-11.28	44.83	1.57	13.05	27.23	Peak	400	0	VERTICAL
4	260.86	28.75	46.00	-17.25	40.89	1.94	12.90	26.98	Peak	400	0	VERTICAL
5	375.32	27.39	46.00	-18.61	37.17	2.25	15.40	27.43	Peak	400	0	VERTICAL
6	500.45	36.48	46.00	-9.52	44.25	2.70	17.63	28.10	Peak	400	0	VERTICAL

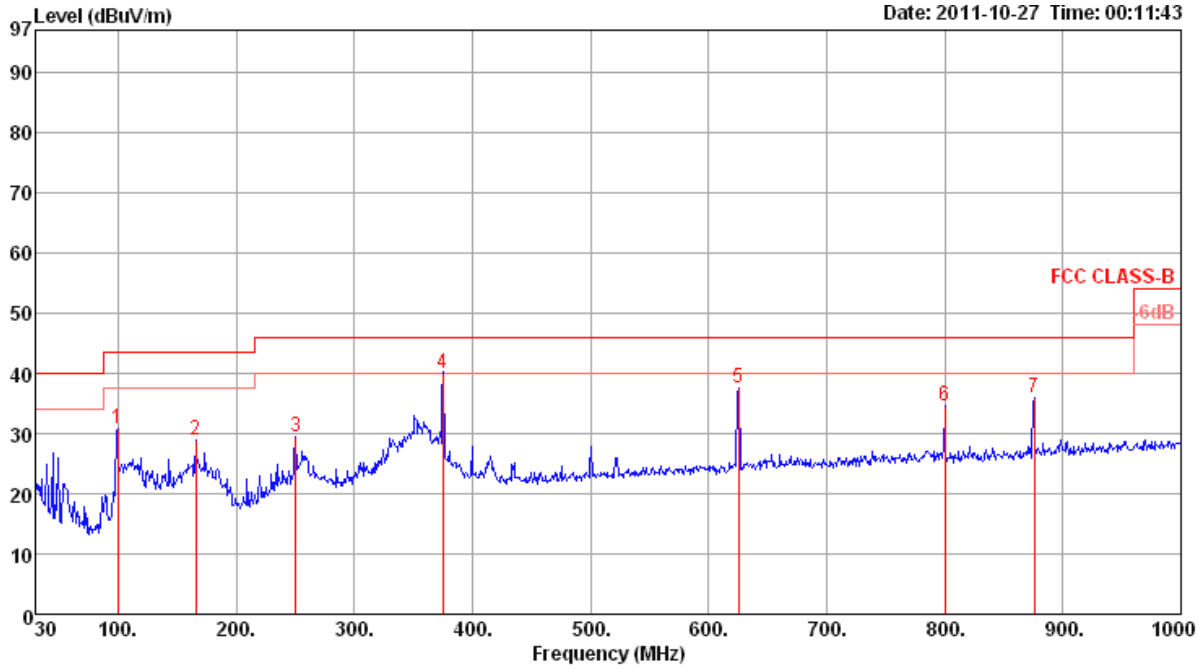
Note:

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

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

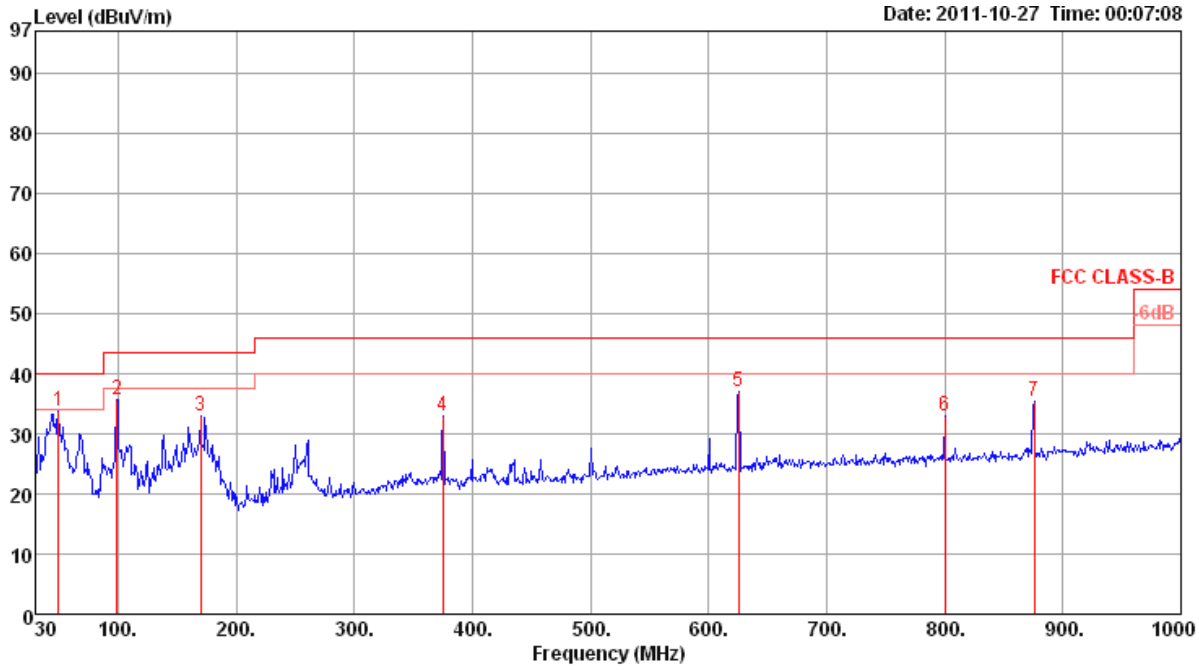
Temperature	21°C	Humidity	59%
Test Engineer	Benson Peng	Configurations	Normal Link
Test Mode	Mode 6		

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	99.84	30.69	43.50	-12.81	46.10	1.20	10.99	27.60	Peak	100	0	HORIZONTAL
2	165.80	28.79	43.50	-14.71	42.06	1.53	12.47	27.27	Peak	100	0	HORIZONTAL
3	250.19	29.41	46.00	-16.59	41.74	1.90	12.77	27.00	Peak	100	0	HORIZONTAL
4	375.32	39.93	46.00	-6.07	49.71	2.25	15.40	27.43	QP	100	50	HORIZONTAL
5	625.58	37.51	46.00	-8.49	43.68	3.05	18.85	28.07	Peak	100	0	HORIZONTAL
6	800.18	34.63	46.00	-11.37	39.16	3.30	19.77	27.60	Peak	100	0	HORIZONTAL
7	875.84	35.96	46.00	-10.04	39.56	3.50	20.35	27.45	Peak	100	0	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	49.40	33.70	40.00	-6.30	51.97	0.70	8.83	27.80	Peak	400	0	VERTICAL
2	98.87	35.58	43.50	-7.92	51.22	1.18	10.79	27.61	Peak	400	0	VERTICAL
3	169.68	33.06	43.50	-10.44	46.00	1.55	12.76	27.25	Peak	400	0	VERTICAL
4	375.32	33.09	46.00	-12.91	42.87	2.25	15.40	27.43	Peak	400	0	VERTICAL
5	625.58	37.02	46.00	-8.98	43.19	3.05	18.85	28.07	Peak	400	0	VERTICAL
6	800.18	32.84	46.00	-13.16	37.37	3.30	19.77	27.60	Peak	400	0	VERTICAL
7	875.84	35.31	46.00	-10.69	38.91	3.50	20.35	27.45	Peak	400	0	VERTICAL

Note:

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

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

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

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 20MHz Ch 1 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4824.51	43.78	74.00	-30.22	42.44	3.31	33.06	35.03	Peak	135	300	HORIZONTAL
2	4825.12	31.00	54.00	-23.00	29.66	3.31	33.06	35.03	Average	135	300	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.23	44.78	74.00	-29.22	43.44	3.31	33.06	35.03	Peak	129	336	VERTICAL
2	4828.04	32.20	54.00	-21.80	30.86	3.31	33.06	35.03	Average	129	336	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 20MHz Ch 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.03	42.26	54.00	-11.74	40.80	3.33	33.16	35.03	Average	113	92	HORIZONTAL
2	4875.83	56.14	74.00	-17.86	54.68	3.33	33.16	35.03	Peak	113	92	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4869.71	42.49	54.00	-11.51	41.07	3.33	33.12	35.03	Average	100	77	VERTICAL
2	4869.85	56.36	74.00	-17.64	54.94	3.33	33.12	35.03	Peak	100	77	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 20MHz Ch11 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4918.20	44.48	74.00	-29.52	42.92	3.35	33.23	35.02	Peak	125	124	HORIZONTAL
2	4919.96	32.23	54.00	-21.77	30.66	3.35	33.23	35.01	Average	125	124	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4929.71	33.59	54.00	-20.41	31.99	3.35	33.26	35.01	Average	110	101	VERTICAL
2	4932.85	47.10	74.00	-26.90	45.50	3.35	33.26	35.01	Peak	110	101	VERTICAL

Temperature	24.5℃	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 40MHz Ch 3 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4835.47	43.85	74.00	-30.15	42.51	3.31	33.06	35.03	Peak	104	127	HORIZONTAL
2	4848.39	30.30	54.00	-23.70	28.92	3.32	33.09	35.03	Average	104	127	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4842.11	43.33	74.00	-30.67	41.95	3.32	33.09	35.03	Peak	104	6	VERTICAL
2	4847.33	30.31	54.00	-23.69	28.93	3.32	33.09	35.03	Average	104	6	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 40MHz Ch 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4872.21	43.82	74.00	-30.18	42.36	3.33	33.16	35.03	Peak	124	314	HORIZONTAL
2	4874.96	31.04	54.00	-22.96	29.58	3.33	33.16	35.03	Average	124	314	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4871.66	43.96	74.00	-30.04	42.50	3.33	33.16	35.03	Peak	100	267	VERTICAL
2	4872.88	31.41	54.00	-22.59	29.95	3.33	33.16	35.03	Average	100	267	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 40MHz Ch 9 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4911.24	30.03	54.00	-23.97	28.48	3.34	33.23	35.02	Average	112	137	HORIZONTAL
2	4912.08	43.96	74.00	-30.04	42.41	3.34	33.23	35.02	Peak	112	137	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4906.60	30.93	54.00	-23.07	29.38	3.34	33.23	35.02	Average	100	320	VERTICAL
2	4913.36	42.45	74.00	-31.55	40.90	3.34	33.23	35.02	Peak	100	320	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11b CH 1 / Chain 2 (1TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.97	49.52	74.00	-24.48	48.18	3.31	33.06	35.03	Peak	119	339	HORIZONTAL
2	4823.97	45.09	54.00	-8.91	43.75	3.31	33.06	35.03	Average	119	339	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.99	52.42	54.00	-1.58	51.08	3.31	33.06	35.03	Average	100	92	VERTICAL
2	4824.00	54.42	74.00	-19.58	53.08	3.31	33.06	35.03	Peak	100	92	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11b CH 6 / Chain 2 (1TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.97	47.46	54.00	-6.54	46.00	3.33	33.16	35.03	Average	101	99	HORIZONTAL
2	4874.08	51.03	74.00	-22.97	49.57	3.33	33.16	35.03	Peak	101	99	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.93	55.70	74.00	-18.30	54.24	3.33	33.16	35.03	Peak	100	91	VERTICAL
2	4873.99	53.72	54.00	-0.28	52.26	3.33	33.16	35.03	Average	100	91	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11b CH 11 / Chain 2 (1TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.99	53.50	54.00	-0.50	51.90	3.35	33.26	35.01	Average	101	68	HORIZONTAL
2	4924.04	55.18	74.00	-18.82	53.58	3.35	33.26	35.01	Peak	101	68	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.99	52.73	54.00	-1.27	51.13	3.35	33.26	35.01	Average	109	115	VERTICAL
2	4923.99	55.42	74.00	-18.58	53.82	3.35	33.26	35.01	Peak	109	115	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.56	44.18	74.00	-29.82	42.84	3.31	33.06	35.03	Peak	100	96	HORIZONTAL
2	4827.36	30.65	54.00	-23.35	29.31	3.31	33.06	35.03	Average	100	96	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4825.56	32.45	54.00	-21.55	31.11	3.31	33.06	35.03	Average	100	81	VERTICAL
2	4825.72	47.11	74.00	-26.89	45.77	3.31	33.06	35.03	Peak	100	81	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.40	40.53	54.00	-13.47	39.07	3.33	33.16	35.03	Average	100	113	HORIZONTAL
2	4874.56	55.24	74.00	-18.76	53.78	3.33	33.16	35.03	Peak	100	113	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4872.96	42.74	54.00	-11.26	41.28	3.33	33.16	35.03	Average	100	79	VERTICAL
2	4877.64	57.05	74.00	-16.95	55.59	3.33	33.16	35.03	Peak	100	79	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 1

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4922.68	33.65	54.00	-20.35	32.05	3.35	33.26	35.01	Average	100	74	HORIZONTAL
2	4922.88	48.58	74.00	-25.42	46.98	3.35	33.26	35.01	Peak	100	74	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4920.60	35.08	54.00	-18.92	33.51	3.35	33.23	35.01	Average	100	73	VERTICAL
2	4920.72	50.22	74.00	-23.78	48.65	3.35	33.23	35.01	Peak	100	73	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.

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 20MHz Ch 1 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4825.06	54.47	74.00	-19.53	53.13	3.31	33.06	35.03	Peak	155	330	HORIZONTAL
2	4825.15	39.70	54.00	-14.30	38.36	3.31	33.06	35.03	Average	155	330	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4822.88	49.51	74.00	-24.49	48.17	3.31	33.06	35.03	Peak	100	33	VERTICAL
2	4823.46	34.64	54.00	-19.36	33.30	3.31	33.06	35.03	Average	100	33	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 20MHz Ch 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4876.08	43.16	54.00	-10.84	41.70	3.33	33.16	35.03	Average	147	205	HORIZONTAL
2	4876.28	57.92	74.00	-16.08	56.46	3.33	33.16	35.03	Peak	147	205	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4868.49	40.20	54.00	-13.80	38.78	3.33	33.12	35.03	Average	113	155	VERTICAL
2	4869.39	55.27	74.00	-18.73	53.85	3.33	33.12	35.03	Peak	113	155	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 20MHz Ch11 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.26	38.88	54.00	-15.12	37.28	3.35	33.26	35.01	Average	149	152	HORIZONTAL
2	4924.10	53.12	74.00	-20.88	51.52	3.35	33.26	35.01	Peak	149	152	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4921.98	49.13	74.00	-24.87	47.53	3.35	33.26	35.01	Peak	101	257	VERTICAL
2	4923.65	36.26	54.00	-17.74	34.66	3.35	33.26	35.01	Average	101	257	VERTICAL

Temperature	24.5℃	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 40MHz Ch 3 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4840.25	44.71	74.00	-29.29	43.33	3.32	33.09	35.03	Peak	100	151	HORIZONTAL
2	4841.79	33.11	54.00	-20.89	31.73	3.32	33.09	35.03	Average	100	151	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4835.76	44.17	74.00	-29.83	42.83	3.31	33.06	35.03	Peak	104	66	VERTICAL
2	4842.24	31.04	54.00	-22.96	29.66	3.32	33.09	35.03	Average	104	66	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 40MHz Ch 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.57	50.22	74.00	-23.78	48.76	3.33	33.16	35.03	Peak	148	206	HORIZONTAL
2	4877.21	37.27	54.00	-16.73	35.81	3.33	33.16	35.03	Average	148	206	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.13	50.64	74.00	-23.36	49.18	3.33	33.16	35.03	Peak	146	201	VERTICAL
2	4875.38	36.83	54.00	-17.17	35.37	3.33	33.16	35.03	Average	146	201	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 40MHz Ch 9 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4912.17	30.06	54.00	-23.94	28.51	3.34	33.23	35.02	Average	100	52	HORIZONTAL
2	4913.94	42.90	74.00	-31.10	41.35	3.34	33.23	35.02	Peak	100	52	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4912.01	42.87	74.00	-31.13	41.32	3.34	33.23	35.02	Peak	100	18	VERTICAL
2	4913.17	30.14	54.00	-23.86	28.59	3.34	33.23	35.02	Average	100	18	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11b CH 1 / Chain 1 (1TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.98	55.14	74.00	-18.86	53.80	3.31	33.06	35.03	Peak	131	300	HORIZONTAL
2	4823.99	53.46	54.00	-0.54	52.12	3.31	33.06	35.03	Average	131	300	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.99	44.74	54.00	-9.26	43.40	3.31	33.06	35.03	Average	112	255	VERTICAL
2	4824.01	49.04	74.00	-24.96	47.70	3.31	33.06	35.03	Peak	112	255	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11b CH 6 / Chain 1 (1TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.98	55.26	74.00	-18.74	53.80	3.33	33.16	35.03	Peak	145	315	HORIZONTAL
2	4873.99	53.19	54.00	-0.81	51.73	3.33	33.16	35.03	Average	145	315	HORIZONTAL
3	7309.98	50.89	74.00	-23.11	46.27	4.06	35.96	35.40	Peak	115	133	HORIZONTAL
4	7310.28	44.27	54.00	-9.73	39.65	4.06	35.96	35.40	Average	115	133	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.99	45.10	54.00	-8.90	43.64	3.33	33.16	35.03	Average	101	251	VERTICAL
2	4874.07	49.41	74.00	-24.59	47.95	3.33	33.16	35.03	Peak	101	251	VERTICAL
3	7310.24	36.32	54.00	-17.68	31.70	4.06	35.96	35.40	Average	100	140	VERTICAL
4	7313.02	46.46	74.00	-27.54	41.84	4.06	35.96	35.40	Peak	100	140	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11b CH 11 / Chain 1 (1TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4924.00	53.97	54.00	-0.03	52.37	3.35	33.26	35.01	Average	127	287	HORIZONTAL
2	4924.05	55.67	74.00	-18.33	54.07	3.35	33.26	35.01	Peak	127	287	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4924.00	51.08	74.00	-22.92	49.48	3.35	33.26	35.01	Peak	100	56	VERTICAL
2	4924.00	48.38	54.00	-5.62	46.78	3.35	33.26	35.01	Average	100	56	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4825.56	35.32	54.00	-18.68	33.98	3.31	33.06	35.03	Average	117	60	HORIZONTAL
2	4826.12	48.61	74.00	-25.39	47.27	3.31	33.06	35.03	Peak	117	60	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.76	45.46	74.00	-28.54	44.12	3.31	33.06	35.03	Peak	100	61	VERTICAL
2	4824.40	31.60	54.00	-22.40	30.26	3.31	33.06	35.03	Average	100	61	VERTICAL

Temperature	20°C	Humidity	70%
Test Engineer	Benson Peng	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4869.52	58.54	74.00	-15.46	57.12	3.33	33.12	35.03	Peak	113	201	HORIZONTAL
2	4874.36	43.43	54.00	-10.57	41.97	3.33	33.16	35.03	Average	113	201	HORIZONTAL
3	7309.44	48.33	54.00	-5.67	43.71	4.06	35.96	35.40	Average	122	232	HORIZONTAL
4	7314.44	64.09	74.00	-9.91	59.47	4.06	35.96	35.40	Peak	122	232	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4871.36	53.11	74.00	-20.89	51.65	3.33	33.16	35.03	Peak	100	249	VERTICAL
2	4871.68	39.65	54.00	-14.35	38.19	3.33	33.16	35.03	Average	100	249	VERTICAL
3	7315.68	53.60	74.00	-20.40	48.98	4.06	35.96	35.40	Peak	100	182	VERTICAL
4	7315.80	38.93	54.00	-15.07	34.31	4.06	35.96	35.40	Average	100	182	VERTICAL

Temperature	20°C	Humidity	70%
Test Engineer	Benson Peng	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 2

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4924.16	38.71	54.00	-15.29	37.11	3.35	33.26	35.01	Average	127	283	HORIZONTAL
2	4924.16	53.43	74.00	-20.57	51.83	3.35	33.26	35.01	Peak	127	283	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4919.36	49.12	74.00	-24.88	47.56	3.35	33.23	35.02	Peak	100	248	VERTICAL
2	4923.56	34.56	54.00	-19.44	32.96	3.35	33.26	35.01	Average	100	248	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 20MHz CH 149 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 3

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11480.56	51.92	74.00	-22.08	43.32	5.11	38.77	35.28	Peak	100	285	HORIZONTAL
2	11485.24	40.06	54.00	-13.94	31.45	5.11	38.78	35.28	Average	100	285	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11486.24	38.55	54.00	-15.45	29.94	5.11	38.78	35.28	Average	100	311	VERTICAL
2	11498.36	51.00	74.00	-23.00	42.38	5.12	38.78	35.28	Peak	100	311	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 20MHz CH 157 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 3

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.88	41.13	54.00	-12.87	32.47	5.13	38.83	35.30	Average	100	368	HORIZONTAL
2	11568.44	53.44	74.00	-20.56	44.78	5.13	38.83	35.30	Peak	100	368	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.76	41.72	54.00	-12.28	33.06	5.13	38.83	35.30	Average	100	333	VERTICAL
2	11568.00	54.90	74.00	-19.10	46.24	5.13	38.83	35.30	Peak	100	333	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 20MHz CH 165 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 3

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.24	40.35	54.00	-13.65	31.63	5.16	38.86	35.30	Average	101	10	HORIZONTAL
2	11649.08	53.04	74.00	-20.96	44.32	5.16	38.86	35.30	Peak	101	10	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11647.96	41.85	54.00	-12.15	33.13	5.16	38.86	35.30	Average	101	4	VERTICAL
2	11650.56	54.48	74.00	-19.52	45.76	5.16	38.86	35.30	Peak	101	4	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 40MHz CH 151 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 3

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11500.16	35.71	54.00	-18.29	27.08	5.12	38.79	35.28	Average	130	349	HORIZONTAL
2	11503.24	49.03	74.00	-24.97	40.40	5.12	38.79	35.28	Peak	130	349	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11508.64	50.49	74.00	-23.51	41.86	5.12	38.79	35.28	Peak	129	177	VERTICAL
2	11509.60	36.94	54.00	-17.06	28.31	5.12	38.79	35.28	Average	129	177	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11n MCS0 40MHz CH 159 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 3

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11587.16	48.02	74.00	-25.98	39.35	5.14	38.83	35.30	Peak	106	57	HORIZONTAL
2	11590.12	36.19	54.00	-17.81	27.52	5.14	38.83	35.30	Average	106	57	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11585.64	52.65	74.00	-21.35	43.98	5.14	38.83	35.30	Peak	129	343	VERTICAL
2	11587.20	39.06	54.00	-14.94	30.39	5.14	38.83	35.30	Average	129	343	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 3

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.18	37.14	54.00	-16.86	28.53	5.11	38.78	35.28	Average	105	360	HORIZONTAL
2	11489.42	52.47	74.00	-21.53	43.86	5.11	38.78	35.28	Peak	105	360	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.14	53.85	74.00	-20.15	45.24	5.11	38.78	35.28	Peak	113	350	VERTICAL
2	11489.16	39.27	54.00	-14.73	30.66	5.11	38.78	35.28	Average	113	350	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 3

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.40	52.62	74.00	-21.38	43.96	5.13	38.83	35.30	Peak	109	5	HORIZONTAL
2	11569.70	38.38	54.00	-15.62	29.72	5.13	38.83	35.30	Average	109	5	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.10	41.14	54.00	-12.86	32.48	5.13	38.83	35.30	Average	139	359	VERTICAL
2	11569.10	56.41	74.00	-17.59	47.75	5.13	38.83	35.30	Peak	139	359	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Benson Peng	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Nov. 23, 2011	Test Mode	Mode 3

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.46	52.78	74.00	-21.22	44.06	5.16	38.86	35.30	Peak	102	8	HORIZONTAL
2	11649.20	38.44	54.00	-15.56	29.72	5.16	38.86	35.30	Average	102	8	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.84	41.15	54.00	-12.85	32.43	5.16	38.86	35.30	Average	100	202	VERTICAL
2	11653.06	55.37	74.00	-18.63	46.65	5.16	38.86	35.30	Peak	100	202	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.

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 20MHz Ch 1 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4814.12	29.65	54.00	-24.35	28.36	3.31	33.02	35.04	Average	100	62	HORIZONTAL
2	4824.76	42.51	74.00	-31.49	41.17	3.31	33.06	35.03	Peak	100	62	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4814.00	29.59	54.00	-24.41	28.30	3.31	33.02	35.04	Average	100	236	VERTICAL
2	4821.76	42.46	74.00	-31.54	41.12	3.31	33.06	35.03	Peak	100	236	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 20MHz Ch 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4872.28	45.72	74.00	-28.28	44.26	3.33	33.16	35.03	Peak	125	177	HORIZONTAL
2	4872.68	31.42	54.00	-22.58	29.96	3.33	33.16	35.03	Average	125	177	HORIZONTAL
3	7301.36	32.03	54.00	-21.97	27.45	4.06	35.92	35.40	Average	100	131	HORIZONTAL
4	7301.56	45.43	74.00	-28.57	40.85	4.06	35.92	35.40	Peak	100	131	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.16	32.78	54.00	-21.22	31.32	3.33	33.16	35.03	Average	100	70	VERTICAL
2	4874.80	46.67	74.00	-27.33	45.21	3.33	33.16	35.03	Peak	100	70	VERTICAL
3	7301.84	32.03	54.00	-21.97	27.45	4.06	35.92	35.40	Average	100	220	VERTICAL
4	7308.04	46.31	74.00	-27.69	41.69	4.06	35.96	35.40	Peak	100	220	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 20MHz Ch11 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4914.12	29.37	54.00	-24.63	27.82	3.34	33.23	35.02	Average	100	296	HORIZONTAL
2	4916.08	43.08	74.00	-30.92	41.52	3.35	33.23	35.02	Peak	100	296	HORIZONTAL
3	7390.76	46.05	74.00	-27.95	41.30	4.06	36.09	35.40	Peak	100	114	HORIZONTAL
4	7395.00	32.69	54.00	-21.31	27.90	4.06	36.13	35.40	Average	100	114	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4914.00	29.33	54.00	-24.67	27.78	3.34	33.23	35.02	Average	100	83	VERTICAL
2	4919.48	43.40	74.00	-30.60	41.84	3.35	33.23	35.02	Peak	100	83	VERTICAL
3	7394.92	47.22	74.00	-26.78	42.43	4.06	36.13	35.40	Peak	100	260	VERTICAL
4	7395.32	32.67	54.00	-21.33	27.88	4.06	36.13	35.40	Average	100	260	VERTICAL

Temperature	24.5℃	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 40MHz Ch 3 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4845.36	43.39	74.00	-30.61	42.01	3.32	33.09	35.03	Peak	100	273	HORIZONTAL
2	4849.68	29.36	54.00	-24.64	27.98	3.32	33.09	35.03	Average	100	273	HORIZONTAL
3	7266.20	46.23	74.00	-27.77	41.72	4.06	35.85	35.40	Peak	100	141	HORIZONTAL
4	7275.64	32.34	54.00	-21.66	27.79	4.06	35.89	35.40	Average	100	141	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4848.60	29.38	54.00	-24.62	28.00	3.32	33.09	35.03	Average	100	111	VERTICAL
2	4852.80	43.19	74.00	-30.81	41.81	3.32	33.09	35.03	Peak	100	111	VERTICAL
3	7266.64	45.65	74.00	-28.35	41.14	4.06	35.85	35.40	Peak	100	239	VERTICAL
4	7274.96	32.21	54.00	-21.79	27.66	4.06	35.89	35.40	Average	100	239	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 40MHz Ch 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4865.96	42.66	74.00	-31.34	41.24	3.33	33.12	35.03	Peak	100	322	HORIZONTAL
2	4873.96	29.39	54.00	-24.61	27.93	3.33	33.16	35.03	Average	100	322	HORIZONTAL
3	7302.12	32.07	54.00	-21.93	27.49	4.06	35.92	35.40	Average	100	124	HORIZONTAL
4	7305.20	45.56	74.00	-28.44	40.98	4.06	35.92	35.40	Peak	100	124	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.16	29.69	54.00	-24.31	28.23	3.33	33.16	35.03	Average	100	127	VERTICAL
2	4878.24	43.04	74.00	-30.96	41.58	3.33	33.16	35.03	Peak	100	127	VERTICAL
3	7301.76	32.07	54.00	-21.93	27.49	4.06	35.92	35.40	Average	100	263	VERTICAL
4	7311.08	45.17	74.00	-28.83	40.55	4.06	35.96	35.40	Peak	100	263	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 40MHz Ch 9 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4900.60	29.75	54.00	-24.25	28.24	3.34	33.19	35.02	Average	100	83	HORIZONTAL
2	4908.12	43.36	74.00	-30.64	41.81	3.34	33.23	35.02	Peak	100	83	HORIZONTAL
3	7354.48	32.43	54.00	-21.57	27.75	4.06	36.02	35.40	Average	100	49	HORIZONTAL
4	7360.16	46.07	74.00	-27.93	41.35	4.06	36.06	35.40	Peak	100	49	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4907.86	30.83	54.00	-23.17	29.28	3.34	33.23	35.02	Average	100	241	VERTICAL
2	4908.92	43.55	74.00	-30.45	42.00	3.34	33.23	35.02	Peak	100	241	VERTICAL
3	7351.40	46.37	74.00	-27.63	41.69	4.06	36.02	35.40	Peak	100	219	VERTICAL
4	7357.24	32.44	54.00	-21.56	27.76	4.06	36.02	35.40	Average	100	219	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 20MHz Ch 1 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.76	28.73	54.00	-25.27	27.39	3.31	33.06	35.03	Average	100	230	HORIZONTAL
2	4826.37	41.48	74.00	-32.52	40.14	3.31	33.06	35.03	Peak	100	230	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.12	41.72	74.00	-32.28	40.38	3.31	33.06	35.03	Peak	100	114	VERTICAL
2	4825.75	28.88	54.00	-25.12	27.54	3.31	33.06	35.03	Average	100	114	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 20MHz Ch 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.28	45.31	74.00	-28.69	43.85	3.33	33.16	35.03	Peak	100	160	HORIZONTAL
2	4874.66	32.44	54.00	-21.56	30.98	3.33	33.16	35.03	Average	100	160	HORIZONTAL
3	7307.96	45.07	74.00	-28.93	40.45	4.06	35.96	35.40	Peak	100	68	HORIZONTAL
4	7313.53	32.36	54.00	-21.64	27.74	4.06	35.96	35.40	Average	100	68	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.20	33.44	54.00	-20.56	31.98	3.33	33.16	35.03	Average	100	164	VERTICAL
2	4874.72	47.01	74.00	-26.99	45.55	3.33	33.16	35.03	Peak	100	164	VERTICAL
3	7306.83	32.34	54.00	-21.66	27.76	4.06	35.92	35.40	Average	100	188	VERTICAL
4	7313.76	46.08	74.00	-27.92	41.46	4.06	35.96	35.40	Peak	100	188	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 20MHz Ch11 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4915.38	41.92	74.00	-32.08	40.36	3.35	33.23	35.02	Peak	100	283	HORIZONTAL
2	4924.03	28.39	54.00	-25.61	26.79	3.35	33.26	35.01	Average	100	283	HORIZONTAL
3	7378.79	32.68	54.00	-21.32	27.93	4.06	36.09	35.40	Average	100	127	HORIZONTAL
4	7392.12	45.43	74.00	-28.57	40.68	4.06	36.09	35.40	Peak	100	127	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.25	29.01	54.00	-24.99	27.41	3.35	33.26	35.01	Average	100	240	VERTICAL
2	4924.58	40.98	74.00	-33.02	39.38	3.35	33.26	35.01	Peak	100	240	VERTICAL
3	7382.60	45.09	74.00	-28.91	40.34	4.06	36.09	35.40	Peak	100	105	VERTICAL
4	7395.26	32.70	54.00	-21.30	27.91	4.06	36.13	35.40	Average	100	105	VERTICAL

Temperature	24.5℃	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 40MHz Ch 3 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4846.81	41.61	74.00	-32.39	40.23	3.32	33.09	35.03	Peak	100	183	HORIZONTAL
2	4848.78	29.07	54.00	-24.93	27.69	3.32	33.09	35.03	Average	100	183	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4848.44	41.92	74.00	-32.08	40.54	3.32	33.09	35.03	Peak	100	124	VERTICAL
2	4848.90	29.16	54.00	-24.84	27.78	3.32	33.09	35.03	Average	100	124	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 40MHz Ch 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.70	29.26	54.00	-24.74	27.80	3.33	33.16	35.03	Average	100	261	HORIZONTAL
2	4876.69	42.02	74.00	-31.98	40.56	3.33	33.16	35.03	Peak	100	261	HORIZONTAL
3	7301.43	46.01	74.00	-27.99	41.43	4.06	35.92	35.40	Peak	100	144	HORIZONTAL
4	7306.48	32.71	54.00	-21.29	28.13	4.06	35.92	35.40	Average	100	144	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.14	29.63	54.00	-24.37	28.17	3.33	33.16	35.03	Average	100	113	VERTICAL
2	4875.57	42.07	74.00	-31.93	40.61	3.33	33.16	35.03	Peak	100	113	VERTICAL
3	7304.46	45.65	74.00	-28.35	41.07	4.06	35.92	35.40	Peak	100	272	VERTICAL
4	7308.98	32.66	54.00	-21.34	28.04	4.06	35.96	35.40	Average	100	272	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 40MHz Ch 9 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4902.13	29.29	54.00	-24.71	27.78	3.34	33.19	35.02	Average	100	287	HORIZONTAL
2	4903.41	42.50	74.00	-31.50	40.99	3.34	33.19	35.02	Peak	100	287	HORIZONTAL
3	7357.57	32.54	54.00	-21.46	27.86	4.06	36.02	35.40	Average	100	199	HORIZONTAL
4	7360.28	45.00	74.00	-29.00	40.28	4.06	36.06	35.40	Peak	100	199	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4901.05	28.94	54.00	-25.06	27.43	3.34	33.19	35.02	Average	100	189	VERTICAL
2	4904.77	41.46	74.00	-32.54	39.91	3.34	33.23	35.02	Peak	100	189	VERTICAL
3	7353.34	45.47	74.00	-28.53	40.79	4.06	36.02	35.40	Peak	100	92	VERTICAL
4	7358.76	32.71	54.00	-21.29	27.99	4.06	36.06	35.40	Average	100	92	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11b CH 1 / Chain 2 (1TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.79	28.98	54.00	-25.02	27.64	3.31	33.06	35.03	Average	102	96	HORIZONTAL
2	4823.97	41.62	74.00	-32.38	40.28	3.31	33.06	35.03	Peak	102	96	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.79	43.53	74.00	-30.47	42.19	3.31	33.06	35.03	Peak	100	209	VERTICAL
2	4823.96	32.83	54.00	-21.17	31.49	3.31	33.06	35.03	Average	100	209	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11b CH 6 / Chain 2 (1TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.96	30.46	54.00	-23.54	29.00	3.33	33.16	35.03	Average	101	142	HORIZONTAL
2	4874.08	43.33	74.00	-30.67	41.87	3.33	33.16	35.03	Peak	101	142	HORIZONTAL
3	7310.84	45.22	74.00	-28.78	40.60	4.06	35.96	35.40	Peak	100	167	HORIZONTAL
4	7311.06	32.56	54.00	-21.44	27.94	4.06	35.96	35.40	Average	100	167	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.85	43.24	74.00	-30.76	41.78	3.33	33.16	35.03	Peak	103	145	VERTICAL
2	4873.96	31.97	54.00	-22.03	30.51	3.33	33.16	35.03	Average	103	145	VERTICAL
3	7311.06	45.76	74.00	-28.24	41.14	4.06	35.96	35.40	Peak	100	197	VERTICAL
4	7311.96	32.42	54.00	-21.58	27.80	4.06	35.96	35.40	Average	100	197	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11b CH 11 / Chain 2 (1TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.96	34.03	54.00	-19.97	32.43	3.35	33.26	35.01	Average	123	145	HORIZONTAL
2	4924.08	43.96	74.00	-30.04	42.36	3.35	33.26	35.01	Peak	123	145	HORIZONTAL
3	7386.71	45.04	74.00	-28.96	40.29	4.06	36.09	35.40	Peak	100	165	HORIZONTAL
4	7387.00	32.71	54.00	-21.29	27.96	4.06	36.09	35.40	Average	100	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.79	44.94	74.00	-29.06	43.34	3.35	33.26	35.01	Peak	100	218	VERTICAL
2	4923.96	37.34	54.00	-16.66	35.74	3.35	33.26	35.01	Average	100	218	VERTICAL
3	7385.57	45.71	74.00	-28.29	40.96	4.06	36.09	35.40	Peak	100	123	VERTICAL
4	7385.66	32.76	54.00	-21.24	28.01	4.06	36.09	35.40	Average	100	123	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4821.44	40.25	74.00	-33.75	38.91	3.31	33.06	35.03	Peak	100	196	HORIZONTAL
2	4827.44	28.04	54.00	-25.96	26.70	3.31	33.06	35.03	Average	100	196	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4824.50	40.96	74.00	-33.04	39.62	3.31	33.06	35.03	Peak	100	304	VERTICAL
2	4826.64	28.84	54.00	-25.16	27.50	3.31	33.06	35.03	Average	100	304	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4871.58	30.20	54.00	-23.80	28.74	3.33	33.16	35.03	Average	100	5	HORIZONTAL
2	4876.50	42.08	74.00	-31.92	40.62	3.33	33.16	35.03	Peak	100	5	HORIZONTAL
3	7315.16	43.46	74.00	-30.54	38.84	4.06	35.96	35.40	Peak	100	236	HORIZONTAL
4	7318.12	30.78	54.00	-23.22	26.16	4.06	35.96	35.40	Average	100	236	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4872.82	46.11	74.00	-27.89	44.65	3.33	33.16	35.03	Peak	100	200	VERTICAL
2	4873.30	32.20	54.00	-21.80	30.74	3.33	33.16	35.03	Average	100	200	VERTICAL
3	7311.52	30.75	54.00	-23.25	26.13	4.06	35.96	35.40	Average	100	113	VERTICAL
4	7311.52	44.00	74.00	-30.00	39.38	4.06	35.96	35.40	Peak	100	113	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 (2TX, 2RX)
Test Date	Jan. 30, 2012	Test Mode	Mode 4

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.92	28.04	54.00	-25.96	26.44	3.35	33.26	35.01	Average	100	115	HORIZONTAL
2	4924.18	40.36	74.00	-33.64	38.76	3.35	33.26	35.01	Peak	100	115	HORIZONTAL
3	7386.28	31.19	54.00	-22.81	26.44	4.06	36.09	35.40	Average	100	222	HORIZONTAL
4	7386.52	43.76	74.00	-30.24	39.01	4.06	36.09	35.40	Peak	100	222	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4924.44	29.24	54.00	-24.76	27.64	3.35	33.26	35.01	Average	114	223	VERTICAL
2	4924.80	42.15	74.00	-31.85	40.55	3.35	33.26	35.01	Peak	114	223	VERTICAL
3	7385.26	31.52	54.00	-22.48	26.77	4.06	36.09	35.40	Average	100	178	VERTICAL
4	7387.04	44.24	74.00	-29.76	39.49	4.06	36.09	35.40	Peak	100	178	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.

Temperature	24.5	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 1 / Chain 1 (1X, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4913.30	30.72	54.00	-23.28	29.17	3.34	33.23	35.02	Average	100	213	HORIZONTAL
2	4924.90	43.52	74.00	-30.48	41.92	3.35	33.26	35.01	Peak	100	213	HORIZONTAL
3	7389.80	34.61	54.00	-19.39	29.86	4.06	36.09	35.40	Average	100	206	HORIZONTAL
4	7389.96	47.09	74.00	-26.91	42.34	4.06	36.09	35.40	Peak	100	206	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4912.40	30.75	54.00	-23.25	29.20	3.34	33.23	35.02	Average	100	113	VERTICAL
2	4914.60	43.79	74.00	-30.21	42.23	3.35	33.23	35.02	Peak	100	113	VERTICAL
3	7382.94	34.72	54.00	-19.28	29.97	4.06	36.09	35.40	Average	100	182	VERTICAL
4	7385.26	47.93	74.00	-26.07	43.18	4.06	36.09	35.40	Peak	100	182	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 6 / Chain 1 (1X, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.34	30.73	54.00	-23.27	29.27	3.33	33.16	35.03	Average	100	222	HORIZONTAL
2	4876.36	43.27	74.00	-30.73	41.81	3.33	33.16	35.03	Peak	100	222	HORIZONTAL
3	7306.96	33.56	54.00	-20.44	28.98	4.06	35.92	35.40	Average	100	175	HORIZONTAL
4	7308.64	47.44	74.00	-26.56	42.82	4.06	35.96	35.40	Peak	100	175	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.84	43.71	74.00	-30.29	42.25	3.33	33.16	35.03	Peak	100	87	VERTICAL
2	4875.72	31.00	54.00	-23.00	29.54	3.33	33.16	35.03	Average	100	87	VERTICAL
3	7301.70	34.36	54.00	-19.64	29.78	4.06	35.92	35.40	Average	100	234	VERTICAL
4	7302.90	47.23	74.00	-26.77	42.65	4.06	35.92	35.40	Peak	100	234	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch11 / Chain 1 (1X, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.28	43.74	74.00	-30.26	42.40	3.31	33.06	35.03	Peak	100	162	HORIZONTAL
2	4827.00	30.88	54.00	-23.12	29.54	3.31	33.06	35.03	Average	100	162	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4825.74	30.82	54.00	-23.18	29.48	3.31	33.06	35.03	Average	100	215	VERTICAL
2	4825.86	44.27	74.00	-29.73	42.93	3.31	33.06	35.03	Peak	100	215	VERTICAL

Temperature	24.5℃	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 3 / Chain 1 (1X, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4844.58	43.72	74.00	-30.28	42.34	3.32	33.09	35.03	Peak	100	210	HORIZONTAL
2	4848.20	30.54	54.00	-23.46	29.16	3.32	33.09	35.03	Average	100	210	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4844.72	43.17	74.00	-30.83	41.79	3.32	33.09	35.03	Peak	100	90	VERTICAL
2	4847.46	30.72	54.00	-23.28	29.34	3.32	33.09	35.03	Average	100	90	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 6 / Chain 1 (1X, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.48	30.81	54.00	-23.19	29.35	3.33	33.16	35.03	Average	100	260	HORIZONTAL
2	4873.54	43.15	74.00	-30.85	41.69	3.33	33.16	35.03	Peak	100	260	HORIZONTAL
3	7311.68	46.37	74.00	-27.63	41.75	4.06	35.96	35.40	Peak	100	170	HORIZONTAL
4	7312.54	33.55	54.00	-20.45	28.93	4.06	35.96	35.40	Average	100	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.86	43.30	74.00	-30.70	41.84	3.33	33.16	35.03	Peak	100	72	VERTICAL
2	4876.02	30.90	54.00	-23.10	29.44	3.33	33.16	35.03	Average	100	72	VERTICAL
3	7307.26	33.57	54.00	-20.43	28.99	4.06	35.92	35.40	Average	100	216	VERTICAL
4	7308.96	46.61	74.00	-27.39	41.99	4.06	35.96	35.40	Peak	100	216	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 9 / Chain 1 (1X, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4901.82	43.42	74.00	-30.58	41.91	3.34	33.19	35.02	Peak	100	143	HORIZONTAL
2	4903.16	31.00	54.00	-23.00	29.49	3.34	33.19	35.02	Average	100	143	HORIZONTAL
3	7352.76	46.72	74.00	-27.28	42.04	4.06	36.02	35.40	Peak	100	183	HORIZONTAL
4	7356.28	33.85	54.00	-20.15	29.17	4.06	36.02	35.40	Average	100	183	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4900.56	31.17	54.00	-22.83	29.66	3.34	33.19	35.02	Average	100	247	VERTICAL
2	4907.22	43.90	74.00	-30.10	42.35	3.34	33.23	35.02	Peak	100	247	VERTICAL
3	7353.54	33.87	54.00	-20.13	29.19	4.06	36.02	35.40	Average	100	245	VERTICAL
4	7356.64	46.89	74.00	-27.11	42.21	4.06	36.02	35.40	Peak	100	245	VERTICAL

Temperature	24.5	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 1 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.24	42.82	74.00	-31.18	41.22	3.35	33.26	35.01	Peak	100	155	HORIZONTAL
2	4924.32	30.12	54.00	-23.88	28.52	3.35	33.26	35.01	Average	100	155	HORIZONTAL
3	7386.68	34.11	54.00	-19.89	29.36	4.06	36.09	35.40	Average	100	259	HORIZONTAL
4	7387.56	46.29	74.00	-27.71	41.54	4.06	36.09	35.40	Peak	100	259	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.52	30.59	54.00	-23.41	28.99	3.35	33.26	35.01	Average	100	247	VERTICAL
2	4924.60	43.49	74.00	-30.51	41.89	3.35	33.26	35.01	Peak	100	247	VERTICAL
3	7386.00	34.20	54.00	-19.80	29.45	4.06	36.09	35.40	Average	100	182	VERTICAL
4	7386.80	46.21	74.00	-27.79	41.46	4.06	36.09	35.40	Peak	100	182	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 6 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.12	30.63	54.00	-23.37	29.17	3.33	33.16	35.03	Average	100	134	HORIZONTAL
2	4875.16	43.63	74.00	-30.37	42.17	3.33	33.16	35.03	Peak	100	134	HORIZONTAL
3	7310.64	46.27	74.00	-27.73	41.65	4.06	35.96	35.40	Peak	100	227	HORIZONTAL
4	7310.96	33.25	54.00	-20.75	28.63	4.06	35.96	35.40	Average	100	227	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.08	43.27	74.00	-30.73	41.81	3.33	33.16	35.03	Peak	100	218	VERTICAL
2	4874.32	30.87	54.00	-23.13	29.41	3.33	33.16	35.03	Average	100	218	VERTICAL
3	7311.40	33.39	54.00	-20.61	28.77	4.06	35.96	35.40	Average	100	120	VERTICAL
4	7311.68	46.82	74.00	-27.18	42.20	4.06	35.96	35.40	Peak	100	120	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch11 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4817.40	43.22	74.00	-30.78	41.93	3.31	33.02	35.04	Peak	100	145	HORIZONTAL
2	4824.56	30.80	54.00	-23.20	29.46	3.31	33.06	35.03	Average	100	145	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.96	43.82	74.00	-30.18	42.48	3.31	33.06	35.03	Peak	100	192	VERTICAL
2	4824.44	30.67	54.00	-23.33	29.33	3.31	33.06	35.03	Average	100	192	VERTICAL

Temperature	24.5℃	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 3 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4844.04	43.71	74.00	-30.29	42.33	3.32	33.09	35.03	Peak	100	238	HORIZONTAL
2	4844.28	30.56	54.00	-23.44	29.18	3.32	33.09	35.03	Average	100	238	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4842.12	43.05	74.00	-30.95	41.67	3.32	33.09	35.03	Peak	100	140	VERTICAL
2	4843.28	30.43	54.00	-23.57	29.05	3.32	33.09	35.03	Average	100	140	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 6 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.00	30.95	54.00	-23.05	29.49	3.33	33.16	35.03	Average	100	204	HORIZONTAL
2	4873.40	43.41	74.00	-30.59	41.95	3.33	33.16	35.03	Peak	100	204	HORIZONTAL
3	7310.84	45.51	74.00	-28.49	40.89	4.06	35.96	35.40	Peak	100	148	HORIZONTAL
4	7311.00	33.62	54.00	-20.38	29.00	4.06	35.96	35.40	Average	100	148	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.10	43.15	74.00	-30.85	41.69	3.33	33.16	35.03	Peak	100	165	VERTICAL
2	4874.40	31.07	54.00	-22.93	29.61	3.33	33.16	35.03	Average	100	165	VERTICAL
3	7311.24	33.46	54.00	-20.54	28.84	4.06	35.96	35.40	Average	100	216	VERTICAL
4	7313.76	45.58	74.00	-28.42	40.96	4.06	35.96	35.40	Peak	100	216	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 9 / Chain 1+Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4901.79	30.79	54.00	-23.21	29.28	3.34	33.19	35.02	Average	100	241	HORIZONTAL
2	4906.25	43.71	74.00	-30.29	42.16	3.34	33.23	35.02	Peak	100	241	HORIZONTAL
3	7336.80	46.58	74.00	-27.42	41.93	4.06	35.99	35.40	Peak	100	165	HORIZONTAL
4	7339.90	33.64	54.00	-20.36	28.99	4.06	35.99	35.40	Average	100	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4901.70	30.81	54.00	-23.19	29.30	3.34	33.19	35.02	Average	100	162	VERTICAL
2	4905.97	43.96	74.00	-30.04	42.41	3.34	33.23	35.02	Peak	100	162	VERTICAL
3	7335.30	33.68	54.00	-20.32	29.03	4.06	35.99	35.40	Average	100	264	VERTICAL
4	7339.30	46.18	74.00	-27.82	41.53	4.06	35.99	35.40	Peak	100	264	VERTICAL

Temperature	24.5	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS8 20MHz Ch 1 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4822.38	40.93	74.00	-33.07	39.59	3.31	33.06	35.03	Peak	100	244	HORIZONTAL
2	4825.08	28.53	54.00	-25.47	27.19	3.31	33.06	35.03	Average	100	244	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4822.43	41.05	74.00	-32.95	39.71	3.31	33.06	35.03	Peak	100	118	VERTICAL
2	4826.34	28.52	54.00	-25.48	27.18	3.31	33.06	35.03	Average	100	118	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS8 20MHz Ch 6 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.60	41.87	74.00	-32.13	40.41	3.33	33.16	35.03	Peak	100	132	HORIZONTAL
2	4875.96	28.60	54.00	-25.40	27.14	3.33	33.16	35.03	Average	100	132	HORIZONTAL
3	7307.12	32.02	54.00	-21.98	27.44	4.06	35.92	35.40	Average	100	166	HORIZONTAL
4	7315.54	44.43	74.00	-29.57	39.81	4.06	35.96	35.40	Peak	100	166	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.69	41.81	74.00	-32.19	40.35	3.33	33.16	35.03	Peak	100	224	VERTICAL
2	4875.27	28.76	54.00	-25.24	27.30	3.33	33.16	35.03	Average	100	224	VERTICAL
3	7313.70	31.52	54.00	-22.48	26.90	4.06	35.96	35.40	Average	100	119	VERTICAL
4	7314.58	44.12	74.00	-29.88	39.50	4.06	35.96	35.40	Peak	100	119	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS8 20MHz Ch11 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4920.00	41.29	74.00	-32.71	39.72	3.35	33.23	35.01	Peak	100	159	HORIZONTAL
2	4922.32	28.71	54.00	-25.29	27.11	3.35	33.26	35.01	Average	100	159	HORIZONTAL
3	7387.62	32.06	54.00	-21.94	27.31	4.06	36.09	35.40	Average	100	263	HORIZONTAL
4	7389.78	44.68	74.00	-29.32	39.93	4.06	36.09	35.40	Peak	100	263	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4920.76	41.53	74.00	-32.47	39.96	3.35	33.23	35.01	Peak	100	288	VERTICAL
2	4925.22	29.05	54.00	-24.95	27.45	3.35	33.26	35.01	Average	100	288	VERTICAL
3	7383.44	44.67	74.00	-29.33	39.92	4.06	36.09	35.40	Peak	100	163	VERTICAL
4	7386.70	32.01	54.00	-21.99	27.26	4.06	36.09	35.40	Average	100	163	VERTICAL

Temperature	24.5℃	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS8 40MHz Ch 3 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4842.40	41.20	74.00	-32.80	39.82	3.32	33.09	35.03	Peak	100	208	HORIZONTAL
2	4849.00	28.59	54.00	-25.41	27.21	3.32	33.09	35.03	Average	100	208	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4841.86	41.39	74.00	-32.61	40.01	3.32	33.09	35.03	Peak	100	258	VERTICAL
2	4846.39	28.46	54.00	-25.54	27.08	3.32	33.09	35.03	Average	100	258	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS8 40MHz Ch 6 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.80	28.87	54.00	-25.13	27.41	3.33	33.16	35.03	Average	100	253	HORIZONTAL
2	4877.48	41.39	74.00	-32.61	39.93	3.33	33.16	35.03	Peak	100	253	HORIZONTAL
3	7308.32	44.56	74.00	-29.44	39.94	4.06	35.96	35.40	Peak	100	159	HORIZONTAL
4	7315.84	31.65	54.00	-22.35	27.03	4.06	35.96	35.40	Average	100	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4874.26	28.83	54.00	-25.17	27.37	3.33	33.16	35.03	Average	100	158	VERTICAL
2	4877.52	41.31	74.00	-32.69	39.85	3.33	33.16	35.03	Peak	100	158	VERTICAL
3	7310.16	31.74	54.00	-22.26	27.12	4.06	35.96	35.40	Average	100	272	VERTICAL
4	7315.38	44.78	74.00	-29.22	40.16	4.06	35.96	35.40	Peak	100	272	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS8 40MHz Ch 9 / Chain 1+Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4911.16	28.86	54.00	-25.14	27.31	3.34	33.23	35.02	Average	100	122	HORIZONTAL
2	4913.60	41.16	74.00	-32.84	39.61	3.34	33.23	35.02	Peak	100	122	HORIZONTAL
3	7350.28	32.22	54.00	-21.78	27.54	4.06	36.02	35.40	Average	100	246	HORIZONTAL
4	7360.00	44.31	74.00	-29.69	39.59	4.06	36.06	35.40	Peak	100	246	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4906.48	42.20	74.00	-31.80	40.65	3.34	33.23	35.02	Peak	100	277	VERTICAL
2	4910.76	30.15	54.00	-23.85	28.60	3.34	33.23	35.02	Average	100	277	VERTICAL
3	7347.40	32.26	54.00	-21.74	27.58	4.06	36.02	35.40	Average	100	155	VERTICAL
4	7350.92	44.21	74.00	-29.79	39.53	4.06	36.02	35.40	Peak	100	155	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11b CH 1 / Chain 1 (1TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.94	30.76	54.00	-23.24	29.42	3.31	33.06	35.03	Average	100	29	HORIZONTAL
2	4824.19	42.38	74.00	-31.62	41.04	3.31	33.06	35.03	Peak	100	29	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.98	46.81	74.00	-27.19	45.47	3.31	33.06	35.03	Peak	116	305	VERTICAL
2	4824.00	41.68	54.00	-12.32	40.34	3.31	33.06	35.03	Average	116	305	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11b CH 6 / Chain 1 (1TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.99	32.17	54.00	-21.83	30.71	3.33	33.16	35.03	Average	100	231	HORIZONTAL
2	4874.12	42.69	74.00	-31.31	41.23	3.33	33.16	35.03	Peak	100	231	HORIZONTAL
3	7310.18	34.84	54.00	-19.16	30.22	4.06	35.96	35.40	Average	100	296	HORIZONTAL
4	7313.56	46.07	74.00	-27.93	41.45	4.06	35.96	35.40	Peak	100	296	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.95	45.24	74.00	-28.76	43.78	3.33	33.16	35.03	Peak	115	157	VERTICAL
2	4874.00	38.64	54.00	-15.36	37.18	3.33	33.16	35.03	Average	115	157	VERTICAL
3	7309.18	47.82	74.00	-26.18	43.20	4.06	35.96	35.40	Peak	121	71	VERTICAL
4	7309.22	38.58	54.00	-15.42	33.96	4.06	35.96	35.40	Average	121	71	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11b CH 11 / Chain 1 (1TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.89	34.83	54.00	-19.17	33.23	3.35	33.26	35.01	Average	102	248	HORIZONTAL
2	4923.92	42.13	74.00	-31.87	40.53	3.35	33.26	35.01	Peak	102	248	HORIZONTAL
3	7384.78	35.78	54.00	-18.22	31.03	4.06	36.09	35.40	Average	100	304	HORIZONTAL
4	7384.98	46.50	74.00	-27.50	41.75	4.06	36.09	35.40	Peak	100	304	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4923.86	46.21	74.00	-27.79	44.61	3.35	33.26	35.01	Peak	119	348	VERTICAL
2	4924.00	42.20	54.00	-11.80	40.60	3.35	33.26	35.01	Average	119	348	VERTICAL
3	7385.02	52.01	74.00	-21.99	47.26	4.06	36.09	35.40	Peak	140	37	VERTICAL
4	7385.24	45.06	54.00	-8.94	40.31	4.06	36.09	35.40	Average	140	37	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11g CH 1 / Chain 1 (1TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4819.04	41.15	74.00	-32.85	39.85	3.31	33.02	35.03	Peak	100	122	HORIZONTAL
2	4827.22	28.42	54.00	-25.58	27.08	3.31	33.06	35.03	Average	100	122	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4825.28	28.58	54.00	-25.42	27.24	3.31	33.06	35.03	Average	100	209	VERTICAL
2	4825.70	40.95	74.00	-33.05	39.61	3.31	33.06	35.03	Peak	100	209	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11g CH 6 / Chain 1 (1TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4873.38	40.59	74.00	-33.41	39.13	3.33	33.16	35.03	Peak	100	250	HORIZONTAL
2	4875.86	28.85	54.00	-25.15	27.39	3.33	33.16	35.03	Average	100	250	HORIZONTAL
3	7307.16	32.11	54.00	-21.89	27.53	4.06	35.92	35.40	Average	100	185	HORIZONTAL
4	7311.52	43.72	74.00	-30.28	39.10	4.06	35.96	35.40	Peak	100	185	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4875.28	29.18	54.00	-24.82	27.72	3.33	33.16	35.03	Average	100	120	VERTICAL
2	4876.36	40.79	74.00	-33.21	39.33	3.33	33.16	35.03	Peak	100	120	VERTICAL
3	7308.00	33.92	54.00	-20.08	29.30	4.06	35.96	35.40	Average	100	240	VERTICAL
4	7312.84	45.02	74.00	-28.98	40.40	4.06	35.96	35.40	Peak	100	240	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11g CH 11 / Chain 1 (1TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4921.30	40.86	74.00	-33.14	39.29	3.35	33.23	35.01	Peak	100	208	HORIZONTAL
2	4922.80	28.75	54.00	-25.25	27.15	3.35	33.26	35.01	Average	100	208	HORIZONTAL
3	7382.36	44.47	74.00	-29.53	39.72	4.06	36.09	35.40	Peak	100	277	HORIZONTAL
4	7390.08	32.18	54.00	-21.82	27.43	4.06	36.09	35.40	Average	100	277	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4922.62	28.85	54.00	-25.15	27.25	3.35	33.26	35.01	Average	100	135	VERTICAL
2	4923.50	40.91	74.00	-33.09	39.31	3.35	33.26	35.01	Peak	100	135	VERTICAL
3	7381.74	44.23	74.00	-29.77	39.48	4.06	36.09	35.40	Peak	100	118	VERTICAL
4	7389.06	32.36	54.00	-21.64	27.61	4.06	36.09	35.40	Average	100	118	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11g CH 1 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4823.96	40.61	74.00	-33.39	39.27	3.31	33.06	35.03	Peak	100	320	HORIZONTAL
2	4825.60	27.81	54.00	-26.19	26.47	3.31	33.06	35.03	Average	100	320	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4816.56	27.82	54.00	-26.18	26.53	3.31	33.02	35.04	Average	100	126	VERTICAL
2	4828.92	40.60	74.00	-33.40	39.26	3.31	33.06	35.03	Peak	100	126	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11g CH 6 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4865.24	39.73	54.00	-14.27	38.31	3.33	33.12	35.03	Average	100	122	HORIZONTAL
2	4874.44	27.28	54.00	-26.72	25.82	3.33	33.16	35.03	Average	100	122	HORIZONTAL
3	7304.68	43.52	74.00	-30.48	38.94	4.06	35.92	35.40	Peak	100	115	HORIZONTAL
4	7315.44	30.84	54.00	-23.16	26.22	4.06	35.96	35.40	Average	100	115	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4869.16	39.99	74.00	-34.01	38.57	3.33	33.12	35.03	Peak	100	290	VERTICAL
2	4872.92	27.12	54.00	-26.88	25.66	3.33	33.16	35.03	Average	100	290	VERTICAL
3	7306.08	43.52	74.00	-30.48	38.94	4.06	35.92	35.40	Peak	100	300	VERTICAL
4	7311.64	30.79	54.00	-23.21	26.17	4.06	35.96	35.40	Average	100	300	VERTICAL

Temperature	24.5°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11g CH 11 / Chain 1+ Chain 2 (2TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 5

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4921.60	27.72	54.00	-26.28	26.15	3.35	33.23	35.01	Average	100	90	HORIZONTAL
2	4923.14	40.30	74.00	-33.70	38.70	3.35	33.26	35.01	Peak	100	90	HORIZONTAL
3	7385.70	43.29	74.00	-30.71	38.54	4.06	36.09	35.40	Peak	100	229	HORIZONTAL
4	7386.20	31.48	54.00	-22.52	26.73	4.06	36.09	35.40	Average	100	229	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	4919.70	40.56	74.00	-33.44	38.99	3.35	33.23	35.01	Peak	100	237	VERTICAL
2	4927.28	27.95	54.00	-26.05	26.35	3.35	33.26	35.01	Average	100	237	VERTICAL
3	7386.12	31.17	54.00	-22.83	26.42	4.06	36.09	35.40	Average	100	139	VERTICAL
4	7386.36	43.30	74.00	-30.70	38.55	4.06	36.09	35.40	Peak	100	139	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Dennis Su	Configurations	IEEE 802.11n MCS0 20MHz CH 149 / Chain 1 (1TX, 2RX)
Test Date	Feb. 03, 2012	Test Mode	Mode 6

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.00	48.81	74.00	-25.19	40.20	5.11	38.78	35.28	Peak	100	214	HORIZONTAL
2	11492.26	36.06	54.00	-17.94	27.45	5.11	38.78	35.28	Average	100	214	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11485.08	47.91	74.00	-26.09	39.30	5.11	38.78	35.28	Peak	100	326	VERTICAL
2	11489.04	36.15	54.00	-17.85	27.54	5.11	38.78	35.28	Average	100	326	VERTICAL