Temperature	25°C	Humidity	56%
Test Engineer	Allen Liu	Configurations	IEEE 802.11n / Mode 12

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

Channel	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
52	5260 MHz	5.48	13	Complies
60	5300 MHz	6.02	13	Complies
64	5320 MHz	6.04	13	Complies
100	5500 MHz	5.78	13	Complies
116	5580 MHz	5.95	13	Complies
140	5700 MHz	5.22	13	Complies

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

Channel	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
54	5270 MHz	5.40	13	Complies
62	5310 MHz	5.35	13	Complies
102	5510MHz	6.11	13	Complies
110	5550 MHz	6.53	13	Complies
134	5670 MHz	5.98	13	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Allen Liu	Configurations	IEEE 802.11a / Mode 12

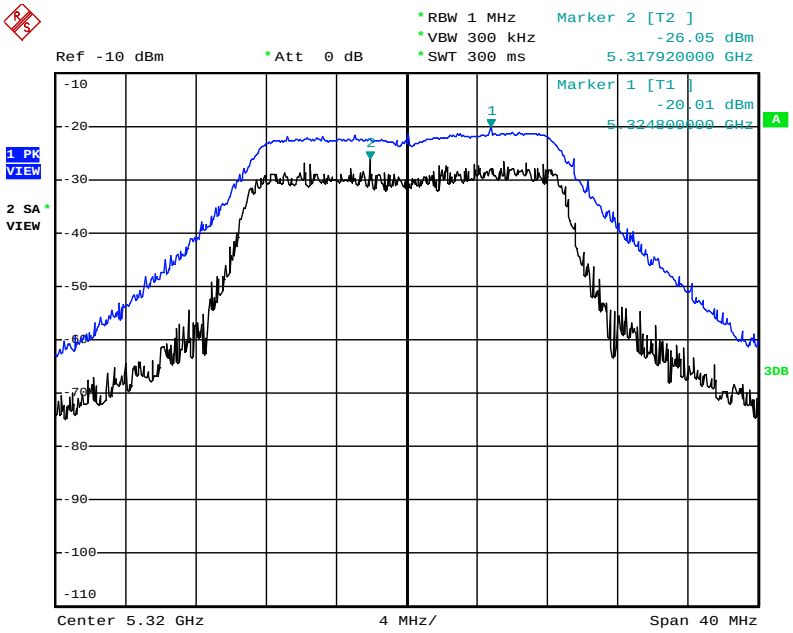
Configuration IEEE 802.11a / Chain 1 (1TX, 2RX)

Channel	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
52	5260 MHz	5.62	13	Complies
60	5300 MHz	4.64	13	Complies
64	5320 MHz	4.86	13	Complies
100	5500 MHz	5.93	13	Complies
116	5580 MHz	5.60	13	Complies
140	5700 MHz	6.62	13	Complies

Note: All the test values were listed in the report.

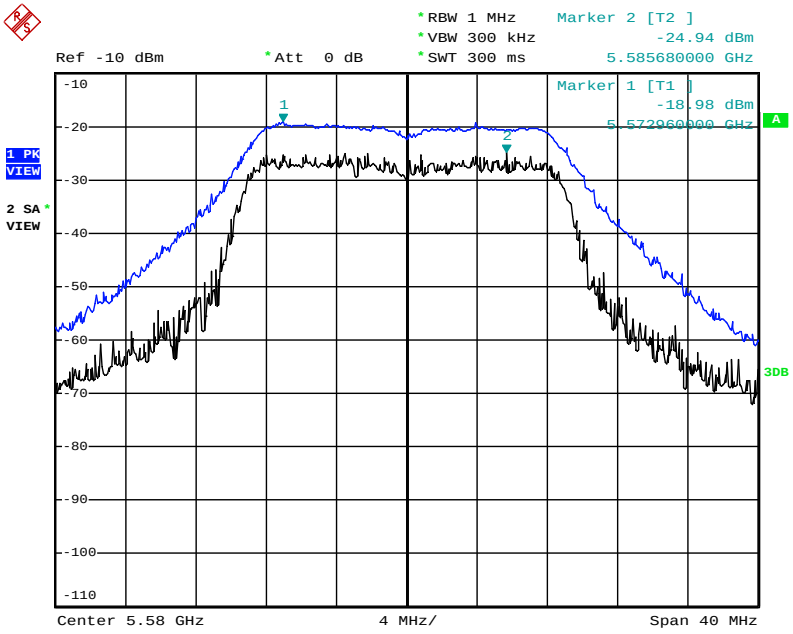
For plots, only the channel with maximum results was shown.

Peak Excursion Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5320 MHz / Mode 12 (1TX, 2RX)



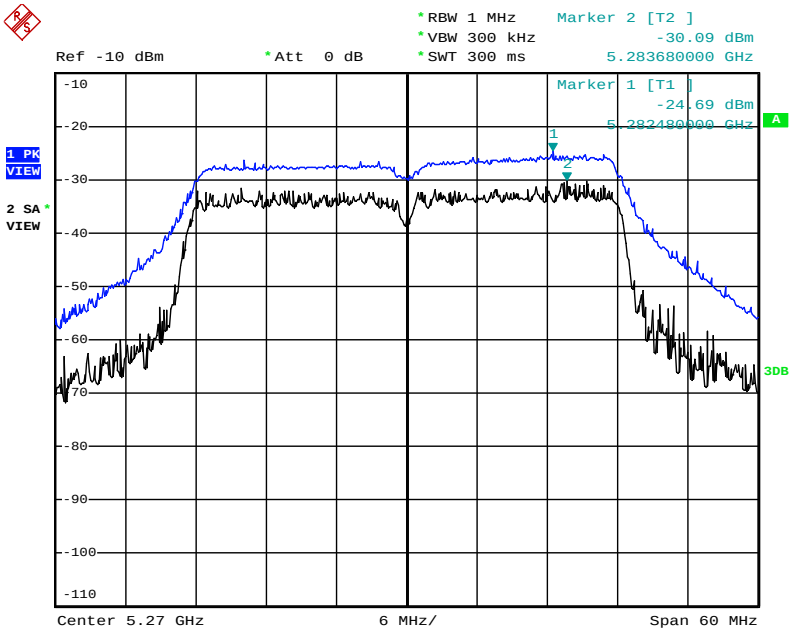
Date: 9.FEB.2012 21:36:35

Peak Excursion Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5580 MHz / Mode 12 (1TX, 2RX)



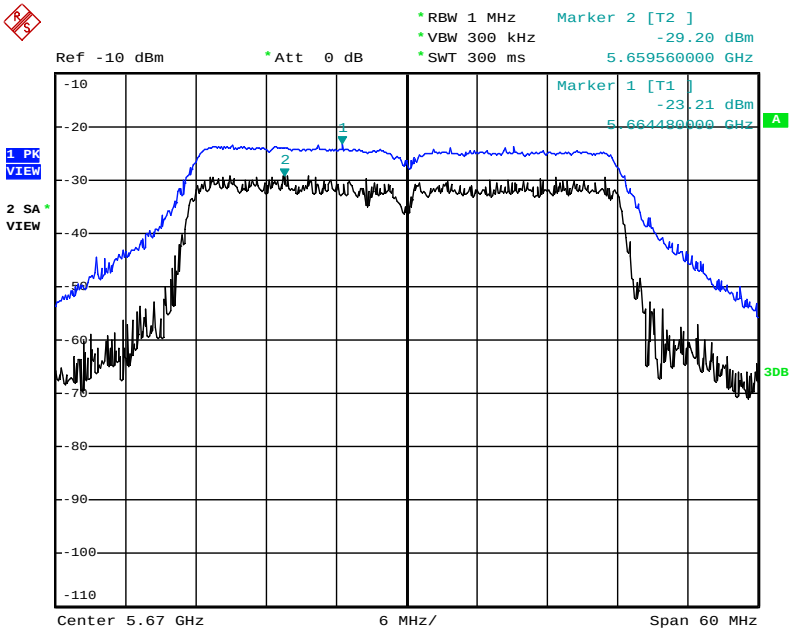
Date: 9.FEB.2012 21:33:25

Peak Excursion Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5270 MHz / Mode 12 (1TX, 2RX)



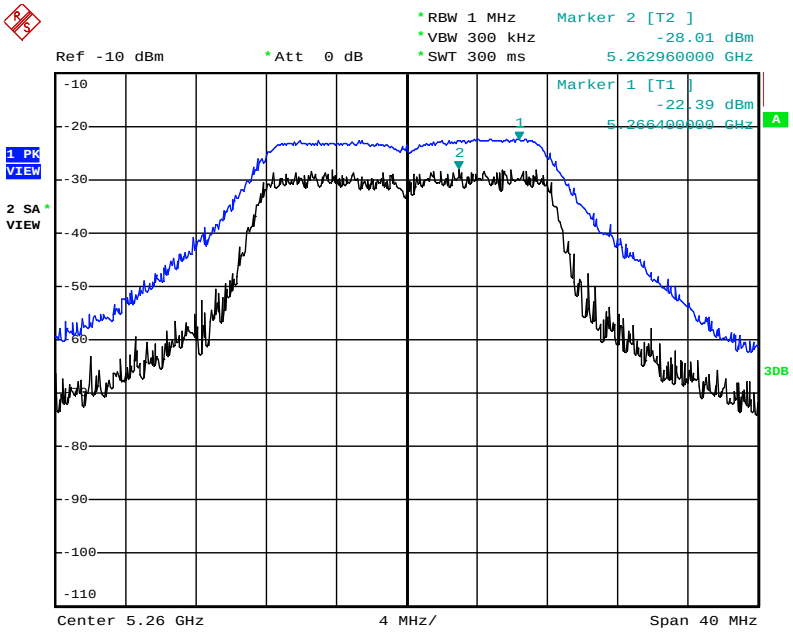
Date: 9.FEB.2012 21:40:35

Peak Excursion Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5670 MHz / Mode 12 (1TX, 2RX



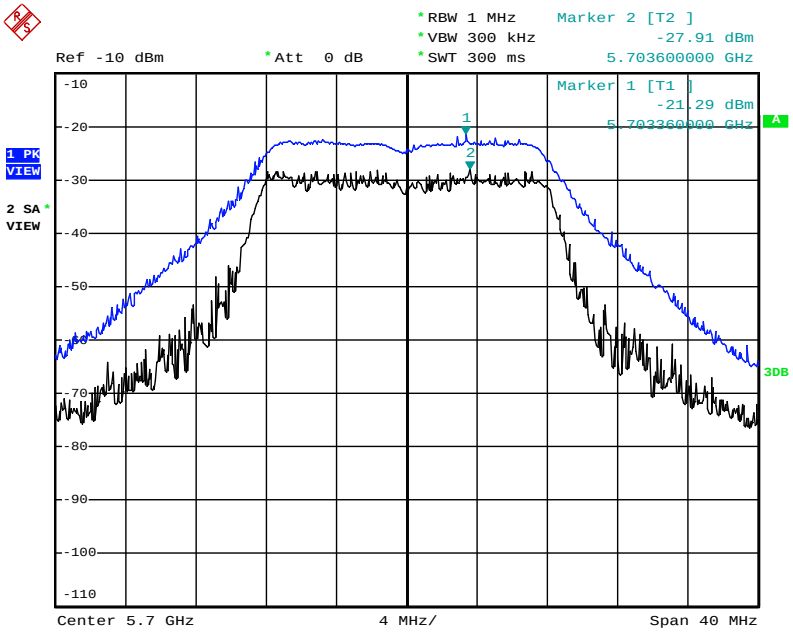
Date: 9.FEB.2012 21:44:53

Peak Excursion Plot on Configuration IEEE 802.11a / Chain 1 / 5260MHz / Mode 12 (1TX, 2RX)



Date: 9.FEB.2012 21:26:40

Peak Excursion Plot on Configuration IEEE 802.11a / Chain 1 / 5700 MHz / Mode 12 (1TX, 2RX)



Date: 9.FEB.2012 21:31:09

Temperature	25°C	Humidity	56%
Test Engineer	Allen Liu	Configurations	IEEE 802.11n / Mode 15

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

Channel	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
52	5260 MHz	5.25	13	Complies
60	5300 MHz	5.70	13	Complies
64	5320 MHz	5.84	13	Complies
100	5500 MHz	5.56	13	Complies
116	5580 MHz	4.38	13	Complies
140	5700 MHz	4.99	13	Complies

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

Channel	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
54	5270 MHz	6.17	13	Complies
62	5310 MHz	6.40	13	Complies
102	5510MHz	5.79	13	Complies
110	5550 MHz	6.14	13	Complies
134	5670 MHz	5.79	13	Complies

Temperature	25°C	Humidity	56%
Test Engineer	Allen Liu	Configurations	IEEE 802.11a / Mode 15

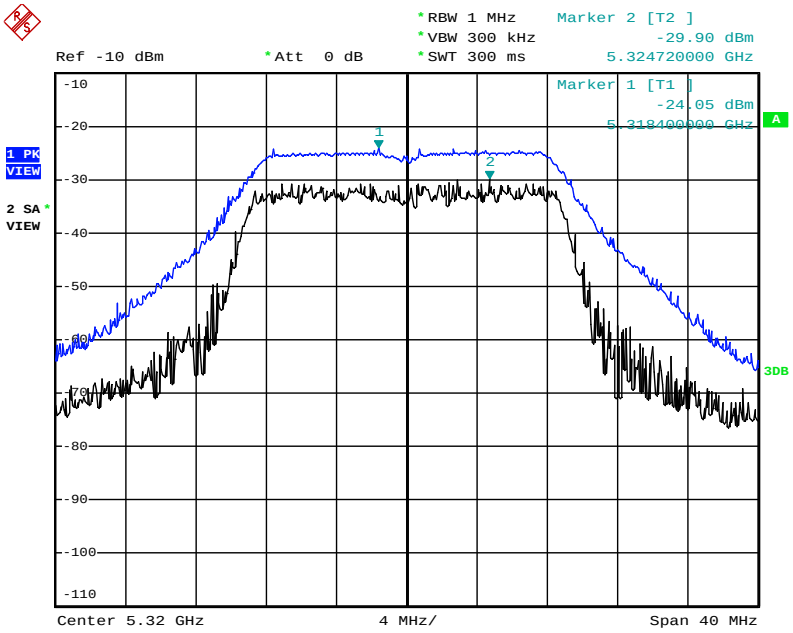
Configuration IEEE 802.11a / Chain 1 (1TX, 2RX)

Channel	Frequency	Peak Excursion (dB)	Max. Limit (dB)	Result
52	5260 MHz	3.77	13	Complies
60	5300 MHz	4.95	13	Complies
64	5320 MHz	5.02	13	Complies
100	5500 MHz	5.95	13	Complies
116	5580 MHz	5.31	13	Complies
140	5700 MHz	6.23	13	Complies

Note: All the test values were listed in the report.

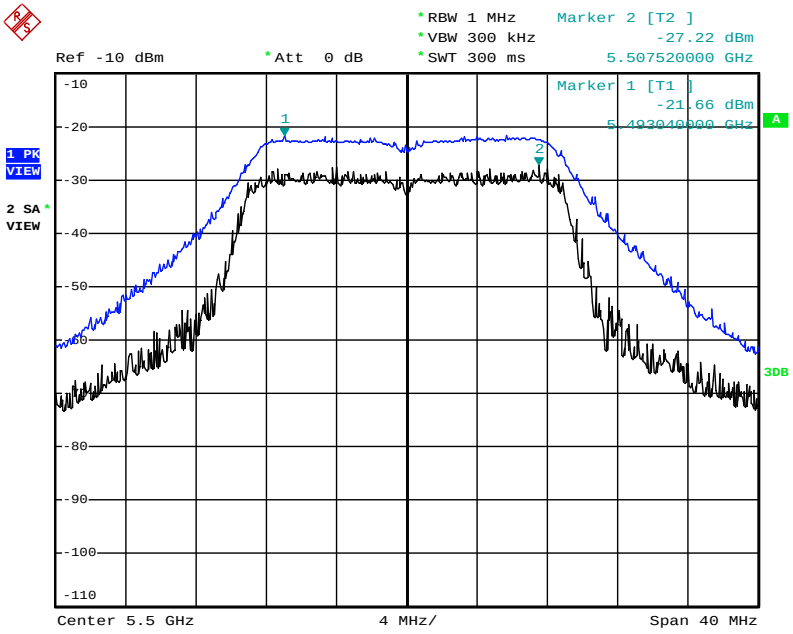
For plots, only the channel with maximum results was shown.

Peak Excursion Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5320 MHz / Mode 15 (1TX, 2RX)



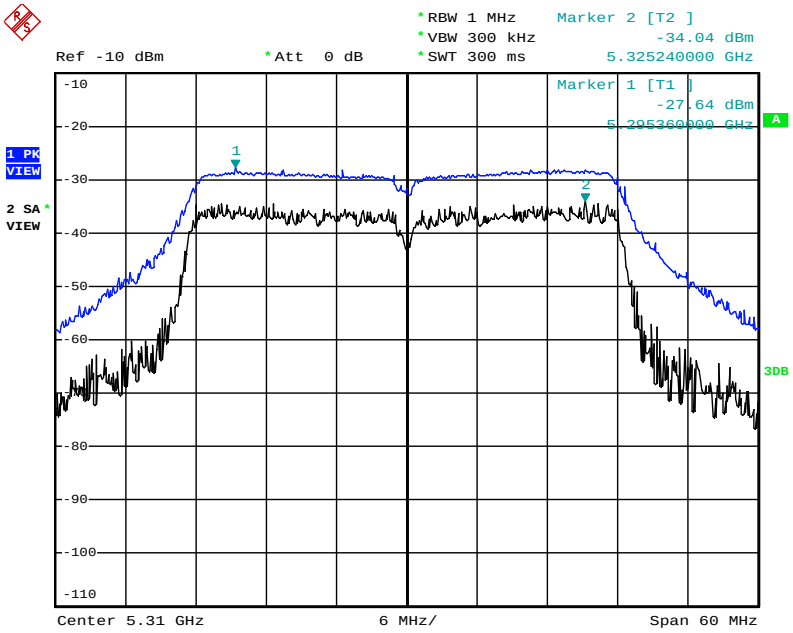
Date: 9.FEB.2012 22:05:37

Peak Excursion Plot on Configuration IEEE 802.11n MCS0 20MHz / Chain 1 / 5500 MHz / Mode 15 (1TX, 2RX)



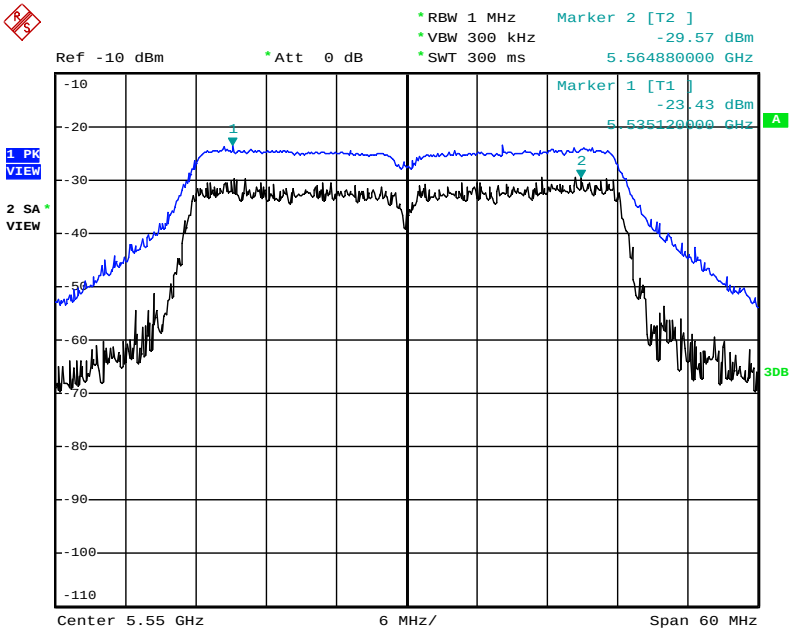
Date: 9.FEB.2012 22:05:01

Peak Excursion Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5310 MHz / Mode 15 (1TX, 2RX)



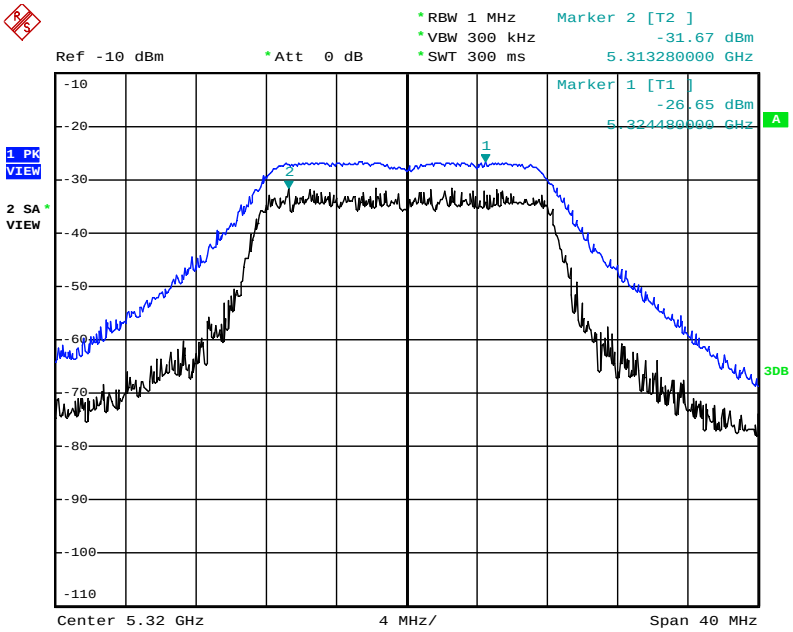
Date: 9.FEB.2012 22:10:56

Peak Excursion Plot on Configuration IEEE 802.11n MCS0 40MHz / Chain 1 / 5550 MHz / Mode 15 (1TX, 2RX



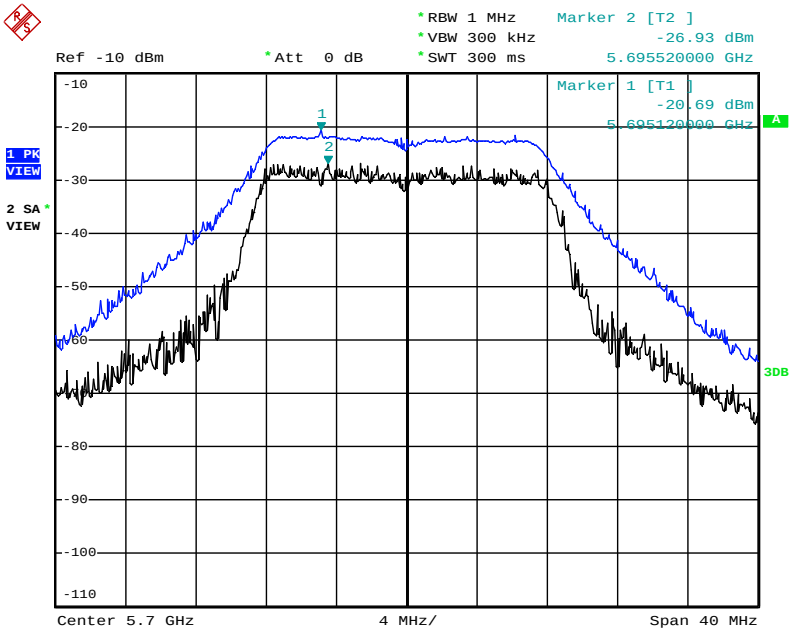
Date: 9.FEB.2012 22:12:19

Peak Excursion Plot on Configuration IEEE 802.11a / Chain 1 / 5320MHz / Mode 15 (1TX, 2RX)



Date: 9.FEB.2012 21:58:13

Peak Excursion Plot on Configuration IEEE 802.11a / Chain 1 / 5700 MHz / Mode 15 (1TX, 2RX)



Date: 9.FEB.2012 22:01:55

4.6. Radiated Emissions Measurement

4.6.1. Limit

For transmitters operating in the 5.15-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). For transmitters operating in the 5.470-5.725 GHz band: all emissions outside of the 5.470-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). For transmitters operating in the 5.725-5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz (78.3dBuV/m at 3m); for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). In addition, 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 spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1GHz
Stop Frequency	40 GHz
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

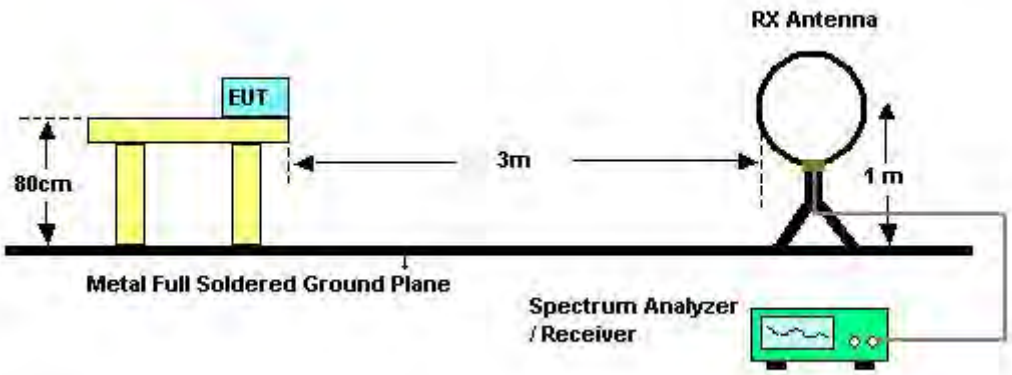
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1GHz / RB 120kHz for QP

4.6.3. Test Procedures

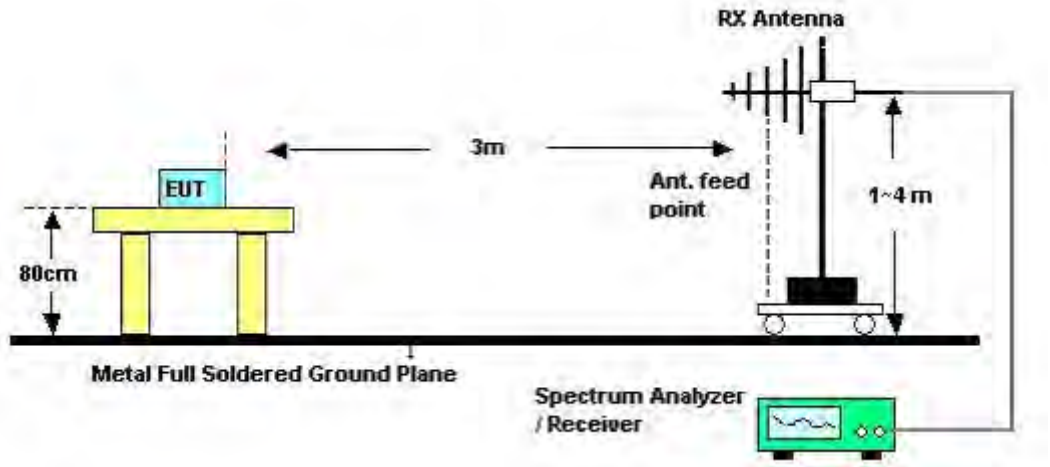
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting 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.

4.6.4. Test Setup Layout

For radiated emissions below 1GHz



For radiated emissions above 1GHz



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

Temperature	25°C	Humidity	56%
Test Engineer	Ted Chiu	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 20dB below the permissible value has no need to be reported.

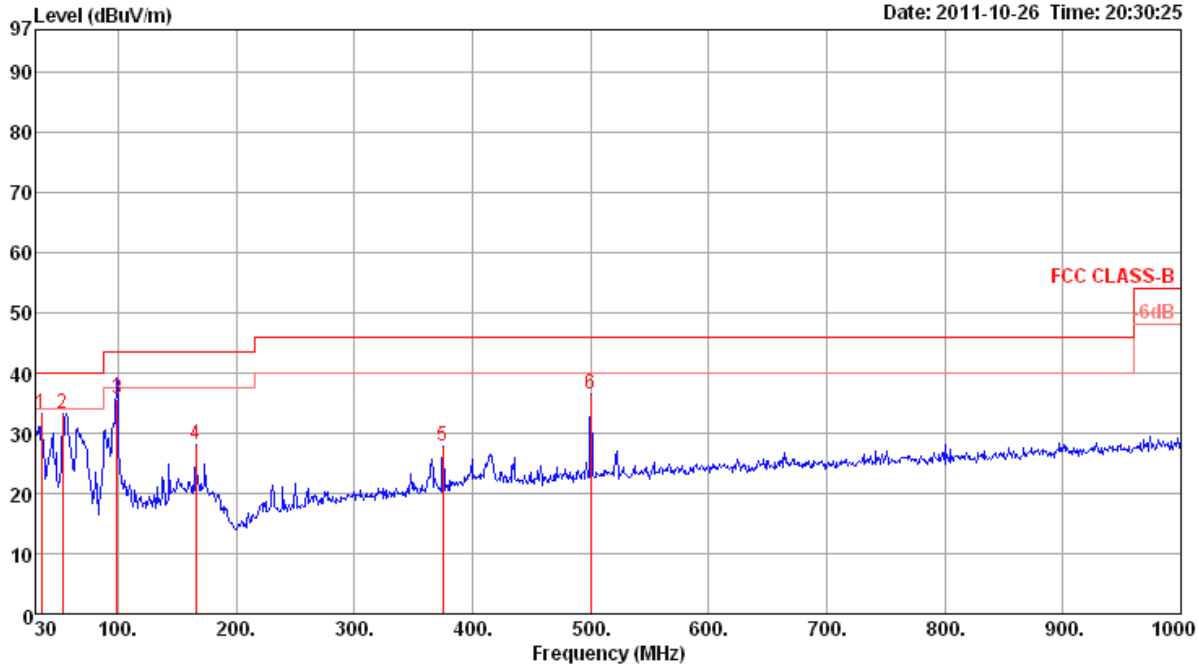
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

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

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

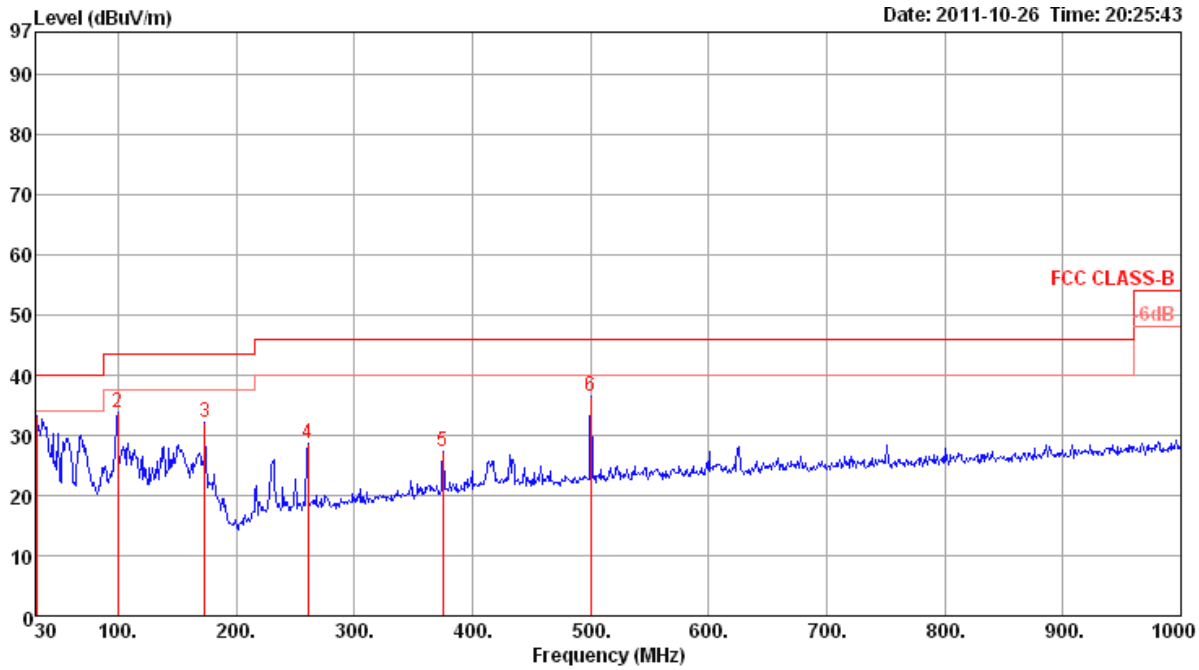
Temperature	21°C	Humidity	59%
Test Engineer	Benson Peng	Configurations	Normal Link
Test Mode	Mode 3		

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

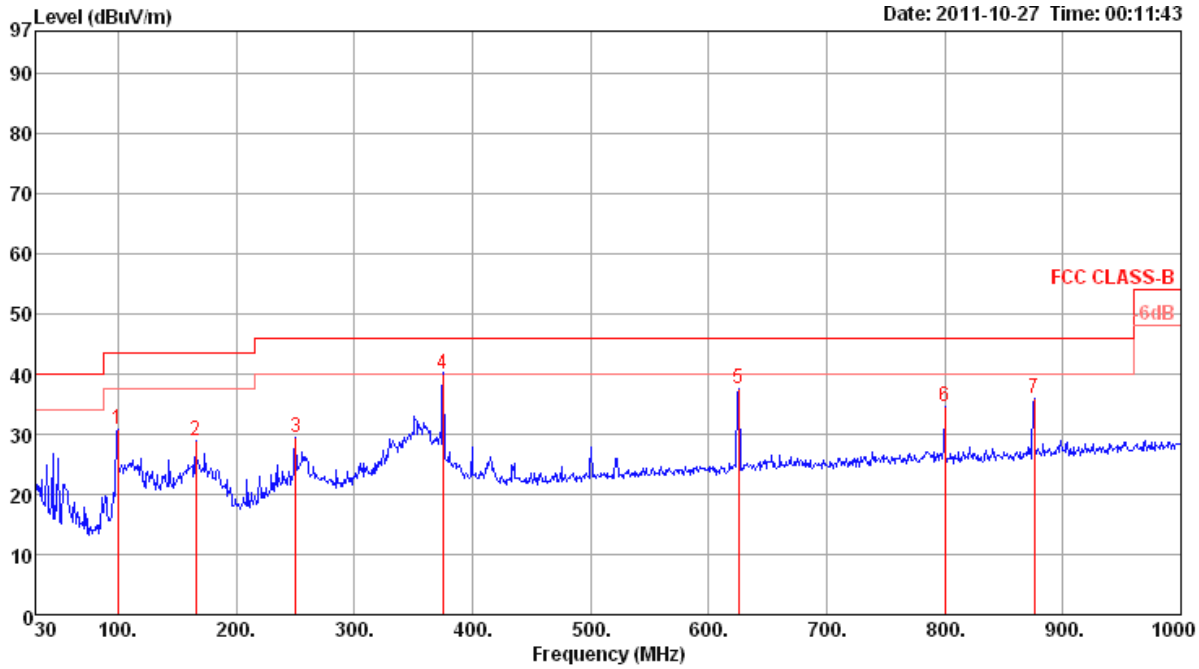
Note:

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.

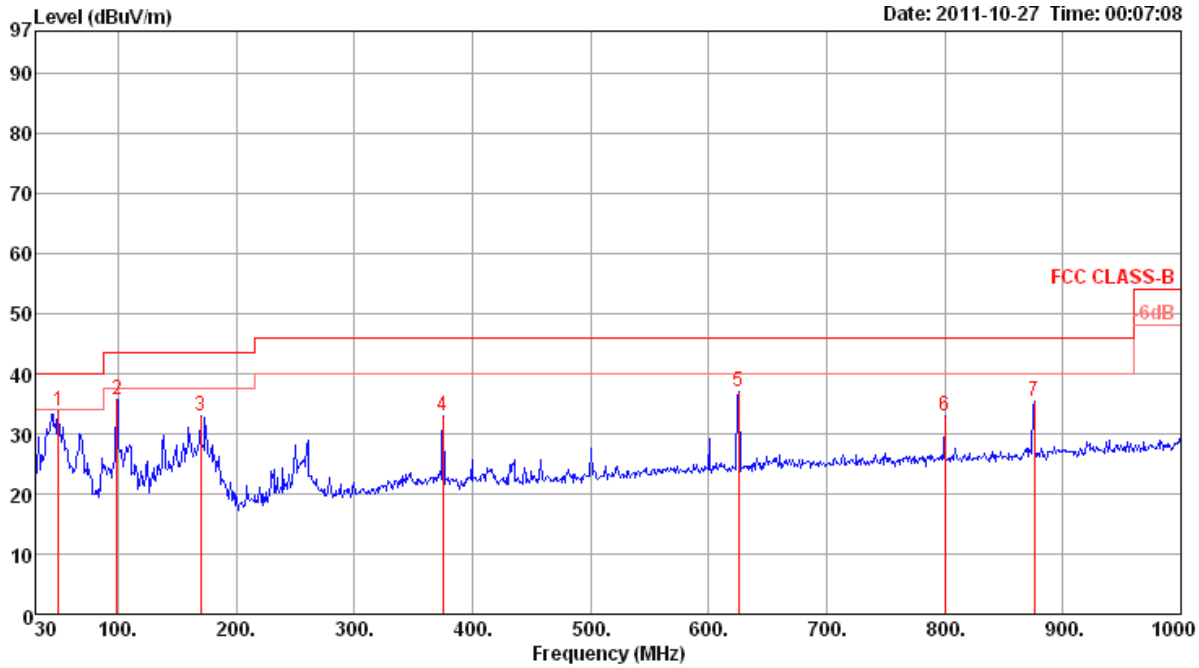
Temperature	21°C	Humidity	59%
Test Engineer	Benson Peng	Configurations	Normal Link
Test Mode	Mode 6		

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.

4.6.9. Results for Radiated Emissions (1GHz~40GHz)

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 52 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	15774.44	58.25	74.00	-15.75	50.11	6.14	37.42	35.42	Peak	107	333	HORIZONTAL
2	15778.44	42.13	54.00	-11.87	34.00	6.14	37.41	35.42	Average	107	333	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	15774.76	52.62	74.00	-21.38	44.48	6.14	37.42	35.42	Peak	100	160	VERTICAL
2	15780.48	39.84	54.00	-14.16	31.71	6.14	37.41	35.42	Average	100	160	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 60 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	10605.28	52.02	74.00	-21.98	44.05	5.01	38.38	35.42	Peak	100	46	HORIZONTAL
2	10605.60	39.67	54.00	-14.33	31.70	5.01	38.38	35.42	Average	100	46	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	10598.68	57.20	68.30	-11.10	49.23	5.01	38.38	35.42	Peak	100	360	VERTICAL
2	10599.80	42.93	68.30	-25.37	34.96	5.01	38.38	35.42	Average	100	360	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 64 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	10632.32	52.85	74.00	-21.15	44.86	5.01	38.37	35.39	Peak	100	360	HORIZONTAL
2	10633.00	40.15	54.00	-13.85	32.16	5.01	38.37	35.39	Average	100	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	10644.32	42.16	54.00	-11.84	34.17	5.01	38.37	35.39	Average	100	189	VERTICAL
2	10648.24	53.61	74.00	-20.39	45.62	5.01	38.37	35.39	Peak	100	189	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 100 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	10999.04	50.85	74.00	-23.15	42.62	5.01	38.32	35.10	Peak	100	155	HORIZONTAL
2	10999.96	39.51	54.00	-14.49	31.28	5.01	38.32	35.10	Average	100	155	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	10997.72	40.07	54.00	-13.93	31.86	5.01	38.30	35.10	Average	101	328	VERTICAL
2	10999.96	52.49	74.00	-21.51	44.28	5.01	38.30	35.10	Peak	101	328	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 116 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	11161.56	40.84	54.00	-13.16	32.50	5.04	38.47	35.17	Average	101	24	HORIZONTAL
2	11162.08	54.34	74.00	-19.66	45.99	5.05	38.47	35.17	Peak	101	24	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	11154.52	42.74	54.00	-11.26	34.41	5.04	38.45	35.16	Average	101	4	VERTICAL
2	11154.52	56.37	74.00	-17.63	48.04	5.04	38.45	35.16	Peak	101	4	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 140 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	11395.08	37.87	54.00	-16.13	29.34	5.10	38.68	35.25	Average	101	232	HORIZONTAL
2	11405.44	50.98	74.00	-23.02	42.43	5.10	38.70	35.25	Peak	101	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	11403.32	37.75	54.00	-16.25	29.20	5.10	38.70	35.25	Average	101	276	VERTICAL
2	11405.84	50.66	74.00	-23.34	42.11	5.10	38.70	35.25	Peak	101	276	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 40MHz Ch 54 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	10534.68	37.54	68.30	-30.76	29.62	5.01	38.39	35.48	Average	100	3	HORIZONTAL
2	10542.44	50.33	68.30	-17.97	42.41	5.01	38.39	35.48	Peak	100	3	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	10538.08	53.68	68.30	-14.62	45.76	5.01	38.39	35.48	Peak	139	354	VERTICAL
2	10539.08	41.10	68.30	-27.20	33.18	5.01	38.39	35.48	Average	139	354	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 40MHz Ch 62 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	10617.04	35.88	54.00	-18.12	27.91	5.01	38.38	35.42	Average	145	345	HORIZONTAL
2	10617.08	48.58	74.00	-25.42	40.61	5.01	38.38	35.42	Peak	145	345	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	10624.84	51.11	74.00	-22.89	43.11	5.01	38.38	35.39	Peak	139	6	VERTICAL
2	10626.96	37.24	54.00	-16.76	29.24	5.01	38.38	35.39	Average	139	6	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 40MHz Ch 102 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	11010.16	34.52	54.00	-19.48	26.28	5.02	38.33	35.11	Average	107	12	HORIZONTAL
2	11018.44	47.28	74.00	-26.72	39.04	5.02	38.33	35.11	Peak	107	12	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	11010.24	34.47	54.00	-19.53	26.24	5.02	38.32	35.11	Average	100	262	VERTICAL
2	11025.36	47.36	74.00	-26.64	39.12	5.02	38.33	35.11	Peak	100	262	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 40MHz Ch 110 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	11095.32	38.37	54.00	-15.63	30.08	5.03	38.40	35.14	Average	104	294	HORIZONTAL
2	11096.36	51.82	74.00	-22.18	43.53	5.03	38.40	35.14	Peak	104	294	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	11097.12	53.17	74.00	-20.83	44.88	5.03	38.40	35.14	Peak	121	351	VERTICAL
2	11097.36	39.51	54.00	-14.49	31.22	5.03	38.40	35.14	Average	121	351	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 40MHz Ch 134 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 2012	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	11340.56	35.65	54.00	-18.35	27.17	5.09	38.63	35.24	Average	113	354	HORIZONTAL
2	11349.28	48.10	74.00	-25.90	39.60	5.09	38.65	35.24	Peak	113	354	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	11334.88	35.08	54.00	-18.92	26.60	5.08	38.63	35.23	Average	139	15	VERTICAL
2	11336.76	47.84	74.00	-26.16	39.37	5.08	38.63	35.24	Peak	139	15	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	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11a Ch 52 / Port 1 + Port 2
Test Date	Dec. 23, 2011	Test Mode	Mode 3 (2TX, 2RX)

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	15771.24	58.90	74.00	-15.10	50.76	6.14	37.42	35.42	Peak	100	195	HORIZONTAL
2	15775.56	42.87	54.00	-11.13	34.73	6.14	37.42	35.42	Average	100	195	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	15775.48	52.67	74.00	-21.33	44.53	6.14	37.42	35.42	Peak	100	29	VERTICAL
2	15780.08	39.27	54.00	-14.73	31.14	6.14	37.41	35.42	Average	100	29	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11a Ch 60 / Port 1 + Port 2
Test Date	Dec. 23, 2011	Test Mode	Mode 3 (2TX, 2RX)

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	10602.26	54.65	74.00	-19.35	46.68	5.01	38.38	35.42	Peak	100	3	HORIZONTAL
2	10602.40	40.28	54.00	-13.72	32.31	5.01	38.38	35.42	Average	100	3	HORIZONTAL
3	15904.24	57.34	74.00	-16.66	49.34	6.15	37.29	35.44	Peak	104	308	HORIZONTAL
4	15904.40	43.22	54.00	-10.78	35.22	6.15	37.29	35.44	Average	104	308	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	10600.56	57.83	74.00	-16.17	49.86	5.01	38.38	35.42	Peak	107	183	VERTICAL
2	10602.06	43.73	54.00	-10.27	35.76	5.01	38.38	35.42	Average	107	183	VERTICAL
3	15904.92	39.75	54.00	-14.25	31.75	6.15	37.29	35.44	Average	100	324	VERTICAL
4	15905.12	53.30	74.00	-20.70	45.30	6.15	37.29	35.44	Peak	100	324	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11a Ch 64 / Port 1 + Port 2
Test Date	Dec. 23, 2011	Test Mode	Mode 3 (2TX, 2RX)

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	10642.68	54.15	74.00	-19.85	46.16	5.01	38.37	35.39	Peak	119	338	HORIZONTAL
2	10643.34	40.03	54.00	-13.97	32.04	5.01	38.37	35.39	Average	119	338	HORIZONTAL
3	15964.16	43.03	54.00	-10.97	35.10	6.15	37.22	35.44	Average	100	310	HORIZONTAL
4	15964.20	56.16	74.00	-17.84	48.23	6.15	37.22	35.44	Peak	100	310	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	10640.86	58.68	74.00	-15.32	50.69	5.01	38.37	35.39	Peak	111	167	VERTICAL
2	10641.92	43.98	54.00	-10.02	35.99	5.01	38.37	35.39	Average	111	167	VERTICAL
3	15960.24	53.54	74.00	-20.46	45.60	6.15	37.23	35.44	Peak	100	5	VERTICAL
4	15964.16	39.97	54.00	-14.03	32.04	6.15	37.22	35.44	Average	100	5	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11a Ch 100 / Port 1 + Port 2
Test Date	Dec. 23, 2011	Test Mode	Mode 3 (2TX, 2RX)

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	10998.60	36.40	54.00	-17.60	28.17	5.01	38.32	35.10	Average	100	283	HORIZONTAL
2	10998.88	49.75	74.00	-24.25	41.52	5.01	38.32	35.10	Peak	100	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	10998.28	39.30	54.00	-14.70	31.09	5.01	38.30	35.10	Average	116	1	VERTICAL
2	10998.32	53.12	74.00	-20.88	44.91	5.01	38.30	35.10	Peak	116	1	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11a Ch 116 / Port 1 + Port 2
Test Date	Dec. 23, 2011	Test Mode	Mode 3 (2TX, 2RX)

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	11158.12	56.35	74.00	-17.65	48.02	5.04	38.45	35.16	Peak	100	287	HORIZONTAL
2	11158.20	41.21	54.00	-12.79	32.89	5.04	38.45	35.17	Average	100	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	11157.56	59.14	74.00	-14.86	50.81	5.04	38.45	35.16	Peak	105	355	VERTICAL
2	11162.44	43.49	54.00	-10.51	35.14	5.05	38.47	35.17	Average	105	355	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11a Ch 140 / Port 1 + Port 2
Test Date	Dec. 23, 2011	Test Mode	Mode 3 (2TX, 2RX)

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	11400.16	48.41	74.00	-25.59	39.86	5.10	38.70	35.25	Peak	100	279	HORIZONTAL
2	11400.52	34.51	54.00	-19.49	25.96	5.10	38.70	35.25	Average	100	279	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	11395.24	49.36	74.00	-24.64	40.83	5.10	38.68	35.25	Peak	100	0	VERTICAL
2	11399.44	35.54	54.00	-18.46	26.99	5.10	38.70	35.25	Average	100	0	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	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 52 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	15777.10	38.90	54.00	-15.10	30.77	6.14	37.41	35.42	Average	100	190	HORIZONTAL
2	15783.58	51.40	74.00	-22.60	43.27	6.14	37.41	35.42	Peak	100	190	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	15782.19	38.89	54.00	-15.11	30.76	6.14	37.41	35.42	Average	100	243	VERTICAL
2	15784.46	51.65	74.00	-22.35	43.52	6.14	37.41	35.42	Peak	100	243	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 60 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	10605.28	36.54	54.00	-17.46	28.57	5.01	38.38	35.42	Average	100	81	HORIZONTAL
2	10606.48	48.36	74.00	-25.64	40.39	5.01	38.38	35.42	Peak	100	81	HORIZONTAL
3	15905.76	51.74	74.00	-22.26	43.74	6.15	37.29	35.44	Peak	100	169	HORIZONTAL
4	15906.28	38.81	54.00	-15.19	30.81	6.15	37.29	35.44	Average	100	169	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	10606.20	48.23	74.00	-25.77	40.26	5.01	38.38	35.42	Peak	100	247	VERTICAL
2	10609.96	36.71	54.00	-17.29	28.74	5.01	38.38	35.42	Average	100	247	VERTICAL
3	15898.96	51.55	74.00	-22.45	43.55	6.15	37.29	35.44	Peak	100	134	VERTICAL
4	15908.24	38.91	54.00	-15.09	30.91	6.15	37.29	35.44	Average	100	134	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 64 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	10637.28	47.99	74.00	-26.01	40.00	5.01	38.37	35.39	Peak	100	107	HORIZONTAL
2	10649.44	35.36	54.00	-18.64	27.35	5.01	38.37	35.37	Average	100	107	HORIZONTAL
3	15952.32	51.14	74.00	-22.86	43.20	6.15	37.23	35.44	Peak	100	172	HORIZONTAL
4	15957.72	38.91	54.00	-15.09	30.97	6.15	37.23	35.44	Average	100	172	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	10637.36	35.57	54.00	-18.43	27.58	5.01	38.37	35.39	Average	100	178	VERTICAL
2	10645.84	47.73	74.00	-26.27	39.74	5.01	38.37	35.39	Peak	100	178	VERTICAL
3	15950.20	38.84	54.00	-15.16	30.90	6.15	37.23	35.44	Average	100	296	VERTICAL
4	15954.68	51.32	74.00	-22.68	43.38	6.15	37.23	35.44	Peak	100	296	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 100 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	11001.96	47.19	74.00	-26.81	38.96	5.01	38.32	35.10	Peak	100	220	HORIZONTAL
2	11007.64	35.11	54.00	-18.89	26.88	5.01	38.33	35.11	Average	100	220	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	10996.32	48.24	74.00	-25.76	40.03	5.01	38.30	35.10	Peak	100	254	VERTICAL
2	10999.92	36.06	54.00	-17.94	27.85	5.01	38.30	35.10	Average	100	254	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 116 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	11156.76	49.63	74.00	-24.37	41.30	5.04	38.45	35.16	Peak	100	200	HORIZONTAL
2	11161.04	37.78	54.00	-16.22	29.44	5.04	38.47	35.17	Average	100	200	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	11159.96	38.42	54.00	-15.58	30.08	5.04	38.47	35.17	Average	100	53	VERTICAL
2	11161.60	49.55	74.00	-24.45	41.21	5.04	38.47	35.17	Peak	100	53	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 140 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	11391.36	48.20	74.00	-25.80	39.67	5.10	38.68	35.25	Peak	100	137	HORIZONTAL
2	11403.88	35.75	54.00	-18.25	27.20	5.10	38.70	35.25	Average	100	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	11404.36	48.06	74.00	-25.94	39.51	5.10	38.70	35.25	Peak	100	196	VERTICAL
2	11408.60	35.71	54.00	-18.29	27.16	5.10	38.70	35.25	Average	100	196	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 52 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	15777.62	39.09	54.00	-14.91	30.96	6.14	37.41	35.42	Average	100	188	HORIZONTAL
2	15779.54	52.52	74.00	-21.48	44.39	6.14	37.41	35.42	Peak	100	188	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	15780.64	53.36	74.00	-20.64	45.23	6.14	37.41	35.42	Peak	100	15	VERTICAL
2	15784.14	39.27	54.00	-14.73	31.14	6.14	37.41	35.42	Average	100	15	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 60 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	15899.60	53.45	74.00	-20.55	45.45	6.15	37.29	35.44	Peak	100	247	HORIZONTAL
2	15904.88	39.54	54.00	-14.46	31.54	6.15	37.29	35.44	Average	100	247	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	15901.74	52.40	74.00	-21.60	44.40	6.15	37.29	35.44	Peak	100	134	VERTICAL
2	15904.16	39.76	54.00	-14.24	31.76	6.15	37.29	35.44	Average	100	134	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 64 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	10635.00	36.37	54.00	-17.63	28.38	5.01	38.37	35.39	Average	100	107	HORIZONTAL
2	10635.80	50.11	74.00	-23.89	42.12	5.01	38.37	35.39	Peak	100	107	HORIZONTAL
3	15961.90	39.44	54.00	-14.56	31.50	6.15	37.23	35.44	Average	100	172	HORIZONTAL
4	15962.46	52.26	74.00	-21.74	44.32	6.15	37.23	35.44	Peak	100	172	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	10636.44	36.60	54.00	-17.40	28.61	5.01	38.37	35.39	Average	100	221	VERTICAL
2	10639.88	49.67	74.00	-24.33	41.68	5.01	38.37	35.39	Peak	100	221	VERTICAL
3	15961.88	52.47	74.00	-21.53	44.53	6.15	37.23	35.44	Peak	100	309	VERTICAL
4	15963.16	39.47	54.00	-14.53	31.53	6.15	37.23	35.44	Average	100	309	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 100 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	10999.12	49.56	74.00	-24.44	41.33	5.01	38.32	35.10	Peak	100	60	HORIZONTAL
2	10999.28	37.06	54.00	-16.94	28.83	5.01	38.32	35.10	Average	100	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	10999.76	36.86	54.00	-17.14	28.65	5.01	38.30	35.10	Average	100	241	VERTICAL
2	11000.28	49.88	74.00	-24.12	41.67	5.01	38.30	35.10	Peak	100	241	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 116 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	11157.60	50.02	74.00	-23.98	41.69	5.04	38.45	35.16	Peak	100	262	HORIZONTAL
2	11161.20	38.02	54.00	-15.98	29.68	5.04	38.47	35.17	Average	100	262	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	11159.84	50.35	74.00	-23.65	42.01	5.04	38.47	35.17	Peak	100	39	VERTICAL
2	11160.80	37.77	54.00	-16.23	29.43	5.04	38.47	35.17	Average	100	38	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 20MHz Ch 140 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	11391.52	50.35	74.00	-23.65	41.82	5.10	38.68	35.25	Peak	100	142	HORIZONTAL
2	11407.24	37.47	54.00	-16.53	28.92	5.10	38.70	35.25	Average	100	142	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	11396.24	50.23	74.00	-23.77	41.70	5.10	38.68	35.25	Peak	100	229	VERTICAL
2	11408.68	37.33	54.00	-16.67	28.78	5.10	38.70	35.25	Average	100	229	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 54 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	15810.95	52.33	74.00	-21.67	44.25	6.14	37.37	35.43	Peak	100	163	HORIZONTAL
2	15814.25	39.37	54.00	-14.63	31.29	6.14	37.37	35.43	Average	100	163	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	15812.59	51.84	74.00	-22.16	43.76	6.14	37.37	35.43	Peak	100	223	VERTICAL
2	15814.10	39.21	54.00	-14.79	31.13	6.14	37.37	35.43	Average	100	223	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 62 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	10619.83	35.44	54.00	-18.56	27.47	5.01	38.38	35.42	Average	100	269	HORIZONTAL
2	10623.96	48.46	74.00	-25.54	40.46	5.01	38.38	35.39	Peak	100	269	HORIZONTAL
3	15928.55	39.19	54.00	-14.81	31.21	6.15	37.27	35.44	Average	100	177	HORIZONTAL
4	15934.06	51.69	74.00	-22.31	43.73	6.15	37.25	35.44	Peak	100	177	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	10618.80	35.65	54.00	-18.35	27.68	5.01	38.38	35.42	Average	100	182	VERTICAL
2	10619.87	47.64	74.00	-26.36	39.67	5.01	38.38	35.42	Peak	100	182	VERTICAL
3	15927.22	39.14	54.00	-14.86	31.16	6.15	37.27	35.44	Average	100	97	VERTICAL
4	15932.02	52.36	74.00	-21.64	44.40	6.15	37.25	35.44	Peak	100	97	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 102 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	11023.26	48.01	74.00	-25.99	39.76	5.02	38.34	35.11	Peak	100	102	HORIZONTAL
2	11023.75	35.39	54.00	-18.61	27.14	5.02	38.34	35.11	Average	100	102	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	11018.97	48.79	74.00	-25.21	40.56	5.02	38.32	35.11	Peak	100	213	VERTICAL
2	11024.27	35.45	54.00	-18.55	27.21	5.02	38.33	35.11	Average	100	213	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 40MHz Ch 110 / Chain 1 (1TX, 2RX)
Test Date	Jan. 17, 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	11095.25	36.39	54.00	-17.61	28.10	5.03	38.40	35.14	Average	100	258	HORIZONTAL
2	11096.44	49.47	74.00	-24.53	41.18	5.03	38.40	35.14	Peak	100	258	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	11098.42	36.59	54.00	-17.41	28.30	5.03	38.40	35.14	Average	100	127	VERTICAL
2	11105.16	48.99	74.00	-25.01	40.70	5.03	38.40	35.14	Peak	100	127	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 134 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	11336.80	48.18	74.00	-25.82	39.71	5.08	38.63	35.24	Peak	100	196	HORIZONTAL
2	11338.00	35.73	54.00	-18.27	27.26	5.08	38.63	35.24	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	11336.74	35.83	54.00	-18.17	27.36	5.08	38.63	35.24	Average	100	318	VERTICAL
2	11337.56	48.75	74.00	-25.25	40.28	5.08	38.63	35.24	Peak	100	318	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	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 54 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	15810.42	39.16	54.00	-14.84	31.08	6.14	37.37	35.43	Average	100	179	HORIZONTAL
2	15811.32	52.14	74.00	-21.86	44.06	6.14	37.37	35.43	Peak	100	179	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	15810.14	51.76	74.00	-22.24	43.66	6.14	37.39	35.43	Peak	100	225	VERTICAL
2	15810.72	39.49	54.00	-14.51	31.41	6.14	37.37	35.43	Average	100	225	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 62 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	10620.48	36.65	54.00	-17.35	28.68	5.01	38.38	35.42	Average	100	175	HORIZONTAL
2	10621.80	49.45	74.00	-24.55	41.48	5.01	38.38	35.42	Peak	100	175	HORIZONTAL
3	15930.04	39.41	54.00	-14.59	31.45	6.15	37.25	35.44	Average	100	231	HORIZONTAL
4	15931.34	52.87	74.00	-21.13	44.91	6.15	37.25	35.44	Peak	100	231	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	10619.12	49.51	74.00	-24.49	41.54	5.01	38.38	35.42	Peak	100	300	VERTICAL
2	10620.44	36.81	54.00	-17.19	28.84	5.01	38.38	35.42	Average	100	300	VERTICAL
3	15930.20	52.05	74.00	-21.95	44.09	6.15	37.25	35.44	Peak	100	107	VERTICAL
4	15930.24	39.63	54.00	-14.37	31.67	6.15	37.25	35.44	Average	100	107	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 102 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	11017.92	50.34	74.00	-23.66	42.10	5.02	38.33	35.11	Peak	100	196	HORIZONTAL
2	11021.40	36.75	54.00	-17.25	28.51	5.02	38.33	35.11	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	11020.08	36.84	54.00	-17.16	28.61	5.02	38.32	35.11	Average	100	283	VERTICAL
2	11021.00	49.07	74.00	-24.93	40.84	5.02	38.32	35.11	Peak	100	283	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 110 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	11100.20	37.43	54.00	-16.57	29.14	5.03	38.40	35.14	Average	100	239	HORIZONTAL
2	11100.84	50.01	74.00	-23.99	41.72	5.03	38.40	35.14	Peak	100	239	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	11098.56	38.24	54.00	-15.76	29.95	5.03	38.40	35.14	Average	100	160	VERTICAL
2	11101.04	49.84	74.00	-24.16	41.55	5.03	38.40	35.14	Peak	100	160	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11n MCS0 40MHz Ch 134 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	11340.60	49.39	74.00	-24.61	40.91	5.09	38.63	35.24	Peak	100	155	HORIZONTAL
2	11341.60	37.27	54.00	-16.73	28.79	5.09	38.63	35.24	Average	100	155	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	11338.92	37.22	54.00	-16.78	28.75	5.08	38.63	35.24	Average	100	268	VERTICAL
2	11340.08	49.85	74.00	-24.15	41.38	5.08	38.63	35.24	Peak	100	268	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	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 20MHz Ch 52 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 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	15780.67	51.25	74.00	-22.75	43.12	6.14	37.41	35.42	Peak	103	340	HORIZONTAL
2	15780.92	39.11	54.00	-14.89	30.98	6.14	37.41	35.42	Average	103	340	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	15780.55	51.60	74.00	-22.40	43.47	6.14	37.41	35.42	Peak	103	355	VERTICAL
2	15780.69	37.76	54.00	-16.24	29.63	6.14	37.41	35.42	Average	103	355	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 20MHz Ch 60 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 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	10599.93	34.24	68.30	-34.06	26.27	5.01	38.38	35.42	Average	103	354	HORIZONTAL
2	10600.20	48.29	74.00	-25.71	40.32	5.01	38.38	35.42	Peak	103	354	HORIZONTAL
3	15899.71	50.91	74.00	-23.09	42.91	6.15	37.29	35.44	Peak	102	330	HORIZONTAL
4	15899.77	36.78	54.00	-17.22	28.78	6.15	37.29	35.44	Average	102	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	10599.30	34.75	68.30	-33.55	26.78	5.01	38.38	35.42	Average	103	351	VERTICAL
2	10600.82	48.30	74.00	-25.70	40.33	5.01	38.38	35.42	Peak	103	351	VERTICAL
3	15899.86	51.00	74.00	-23.00	43.00	6.15	37.29	35.44	Peak	102	321	VERTICAL
4	15900.14	37.61	54.00	-16.39	29.61	6.15	37.29	35.44	Average	102	321	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 20MHz Ch 64 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 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	10639.31	48.36	74.00	-25.64	40.37	5.01	38.37	35.39	Peak	102	300	HORIZONTAL
2	10640.62	34.47	54.00	-19.53	26.48	5.01	38.37	35.39	Average	102	300	HORIZONTAL
3	15960.45	50.69	74.00	-23.31	42.75	6.15	37.23	35.44	Peak	105	335	HORIZONTAL
4	15960.53	37.97	54.00	-16.03	30.03	6.15	37.23	35.44	Average	105	335	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	10640.61	35.45	54.00	-18.55	27.46	5.01	38.37	35.39	Average	102	311	VERTICAL
2	10640.64	48.78	74.00	-25.22	40.79	5.01	38.37	35.39	Peak	102	311	VERTICAL
3	15959.06	50.20	74.00	-23.80	42.26	6.15	37.23	35.44	Peak	105	321	VERTICAL
4	15960.78	36.50	54.00	-17.50	28.56	6.15	37.23	35.44	Average	105	321	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 20MHz Ch 100 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 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	10999.70	49.65	74.00	-24.35	41.42	5.01	38.32	35.10	Peak	101	55	HORIZONTAL
2	11000.95	35.24	54.00	-18.76	27.01	5.01	38.32	35.10	Average	101	55	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	10999.36	48.95	74.00	-25.05	40.74	5.01	38.30	35.10	Peak	101	41	VERTICAL
2	11000.58	35.23	54.00	-18.77	27.02	5.01	38.30	35.10	Average	101	41	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 20MHz Ch 116 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 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	11159.68	35.10	54.00	-18.90	26.76	5.04	38.47	35.17	Average	101	316	HORIZONTAL
2	11160.38	50.01	74.00	-23.99	41.67	5.04	38.47	35.17	Peak	101	316	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	11159.04	35.38	54.00	-18.62	27.04	5.04	38.47	35.17	Average	101	332	VERTICAL
2	11159.20	49.09	74.00	-24.91	40.75	5.04	38.47	35.17	Peak	101	332	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 20MHz Ch 140 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 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	11399.72	49.40	74.00	-24.60	40.85	5.10	38.70	35.25	Peak	101	34	HORIZONTAL
2	11400.15	35.50	54.00	-18.50	26.95	5.10	38.70	35.25	Average	101	34	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	11399.64	36.69	54.00	-17.31	28.14	5.10	38.70	35.25	Average	101	19	VERTICAL
2	11400.53	49.61	74.00	-24.39	41.06	5.10	38.70	35.25	Peak	101	19	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 40MHz Ch 54 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 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	10520.48	48.26	68.30	-20.04	40.35	5.01	38.40	35.50	Peak	100	338	HORIZONTAL
2	10534.72	34.29	68.30	-34.01	26.37	5.01	38.39	35.48	Average	100	338	HORIZONTAL
3	15816.56	51.85	74.00	-22.15	43.77	6.14	37.37	35.43	Peak	100	353	HORIZONTAL
4	15828.24	39.06	54.00	-14.94	31.00	6.14	37.36	35.44	Average	100	353	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	10529.84	47.97	68.30	-20.33	40.05	5.01	38.39	35.48	Peak	100	348	VERTICAL
2	10544.40	35.44	68.30	-32.86	27.52	5.01	38.39	35.48	Average	100	348	VERTICAL
3	15793.92	37.39	54.00	-16.61	29.29	6.14	37.39	35.43	Average	100	339	VERTICAL
4	15819.12	51.21	74.00	-22.79	43.14	6.14	37.37	35.44	Peak	100	339	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 40MHz Ch 62 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 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	10607.60	34.59	54.00	-19.41	26.62	5.01	38.38	35.42	Average	101	339	HORIZONTAL
2	10609.68	49.26	74.00	-24.74	41.29	5.01	38.38	35.42	Peak	101	339	HORIZONTAL
3	15914.48	51.76	74.00	-22.24	43.78	6.15	37.27	35.44	Peak	101	318	HORIZONTAL
4	15935.68	38.83	54.00	-15.17	30.87	6.15	37.25	35.44	Average	101	318	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	10604.16	35.51	54.00	-18.49	27.54	5.01	38.38	35.42	Average	100	359	VERTICAL
2	10634.80	48.01	74.00	-25.99	40.02	5.01	38.37	35.39	Peak	100	359	VERTICAL
3	15922.80	37.35	54.00	-16.65	29.37	6.15	37.27	35.44	Average	101	303	VERTICAL
4	15927.36	51.67	74.00	-22.33	43.69	6.15	37.27	35.44	Peak	101	303	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 40MHz Ch 102 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 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	11007.44	35.21	54.00	-18.79	26.98	5.01	38.33	35.11	Average	101	277	HORIZONTAL
2	11039.28	48.43	74.00	-25.57	40.17	5.02	38.36	35.12	Peak	101	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	11007.52	35.08	54.00	-18.92	26.86	5.01	38.32	35.11	Average	101	291	VERTICAL
2	11027.52	49.48	74.00	-24.52	41.24	5.02	38.33	35.11	Peak	101	291	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 40MHz Ch 110 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Jan. 17, 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	11099.68	49.61	74.00	-24.39	41.32	5.03	38.40	35.14	Peak	101	242	HORIZONTAL
2	11100.76	35.68	54.00	-18.32	27.39	5.03	38.40	35.14	Average	101	242	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	11099.83	49.76	74.00	-24.24	41.47	5.03	38.40	35.14	Peak	101	253	VERTICAL
2	11100.89	35.64	54.00	-18.36	27.35	5.03	38.40	35.14	Average	101	253	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS8 40MHz Ch 134 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	11339.28	34.82	54.00	-19.18	26.35	5.08	38.63	35.24	Average	101	247	HORIZONTAL
2	11339.47	49.26	74.00	-24.74	40.79	5.08	38.63	35.24	Peak	101	247	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	11339.04	35.24	54.00	-18.76	26.77	5.08	38.63	35.24	Average	101	228	VERTICAL
2	11340.78	49.14	74.00	-24.86	40.66	5.09	38.63	35.24	Peak	101	228	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	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11a Ch 52 / Chain 1 (1TX, 2RX)
Test Date	Dec. 23, 2011	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	15783.90	51.89	74.00	-22.11	43.76	6.14	37.41	35.42	Peak	100	140	HORIZONTAL
2	15784.70	39.84	54.00	-14.16	31.71	6.14	37.41	35.42	Average	100	140	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	15774.80	53.64	74.00	-20.36	45.50	6.14	37.42	35.42	Peak	100	176	VERTICAL
2	15777.20	41.51	54.00	-12.49	33.38	6.14	37.41	35.42	Average	100	176	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11a Ch 60 / Chain 1 (1TX, 2RX)
Test Date	Dec. 23, 2011	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	10603.70	35.75	54.00	-18.25	27.78	5.01	38.38	35.42	Average	100	151	HORIZONTAL
2	10604.80	48.58	74.00	-25.42	40.61	5.01	38.38	35.42	Peak	100	151	HORIZONTAL
3	15896.80	39.54	54.00	-14.46	31.54	6.15	37.29	35.44	Average	100	228	HORIZONTAL
4	15911.30	51.98	74.00	-22.02	43.98	6.15	37.29	35.44	Peak	100	228	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	10601.30	36.04	54.00	-17.96	28.07	5.01	38.38	35.42	Average	100	282	VERTICAL
2	10603.60	48.03	74.00	-25.97	40.06	5.01	38.38	35.42	Peak	100	282	VERTICAL
3	15885.70	51.78	74.00	-22.22	43.77	6.15	37.30	35.44	Peak	100	114	VERTICAL
4	15902.70	39.69	54.00	-14.31	31.69	6.15	37.29	35.44	Average	100	114	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11a Ch 64 / Chain 1 (1TX, 2RX)
Test Date	Dec. 23, 2011	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	10623.50	47.94	74.00	-26.06	39.94	5.01	38.38	35.39	Peak	100	291	HORIZONTAL
2	10639.50	35.54	54.00	-18.46	27.55	5.01	38.37	35.39	Average	100	291	HORIZONTAL
3	15957.40	51.88	74.00	-22.12	43.94	6.15	37.23	35.44	Peak	100	240	HORIZONTAL
4	15959.32	39.07	54.00	-14.93	31.13	6.15	37.23	35.44	Average	100	240	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	10635.52	35.56	54.00	-18.44	27.57	5.01	38.37	35.39	Average	100	96	VERTICAL
2	10643.14	48.72	74.00	-25.28	40.73	5.01	38.37	35.39	Peak	100	96	VERTICAL
3	15956.62	51.57	74.00	-22.43	43.63	6.15	37.23	35.44	Peak	100	225	VERTICAL
4	15958.90	39.03	54.00	-14.97	31.09	6.15	37.23	35.44	Average	100	225	VERTICAL

Temperature	25.6℃	Humidity	56℃
Test Engineer	Robert Chang	Configurations	IEEE 802.11a Ch 100 / Chain 1 (1TX, 2RX)
Test Date	Dec. 23, 2011	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	10999.26	47.50	74.00	-26.50	39.27	5.01	38.32	35.10	Peak	100	92	HORIZONTAL
2	10999.28	35.74	54.00	-18.26	27.51	5.01	38.32	35.10	Average	100	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	11002.38	36.79	54.00	-17.21	28.58	5.01	38.30	35.10	Average	100	264	VERTICAL
2	11004.08	49.74	74.00	-24.26	41.53	5.01	38.30	35.10	Peak	100	264	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11a Ch 116 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	11156.28	49.07	74.00	-24.93	40.74	5.04	38.45	35.16	Peak	100	184	HORIZONTAL
2	11157.76	36.27	54.00	-17.73	27.94	5.04	38.45	35.16	Average	100	184	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	11161.02	38.47	54.00	-15.53	30.13	5.04	38.47	35.17	Average	100	267	VERTICAL
2	11163.42	50.65	74.00	-23.35	42.30	5.05	38.47	35.17	Peak	100	267	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11a Ch 140 / Chain 1 (1TX, 2RX)
Test Date	Nov. 28, 2011	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	11401.86	48.61	74.00	-25.39	40.06	5.10	38.70	35.25	Peak	100	199	HORIZONTAL
2	11402.90	36.25	54.00	-17.75	27.70	5.10	38.70	35.25	Average	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	11399.46	48.45	74.00	-25.55	39.90	5.10	38.70	35.25	Peak	100	102	VERTICAL
2	11400.22	36.19	54.00	-17.81	27.64	5.10	38.70	35.25	Average	100	102	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11a Ch 52 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	15777.81	52.81	74.00	-21.19	44.68	6.14	37.41	35.42	Peak	100	227	HORIZONTAL
2	15778.85	38.80	54.00	-15.20	30.67	6.14	37.41	35.42	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	15781.62	38.81	54.00	-15.19	30.68	6.14	37.41	35.42	Average	100	71	VERTICAL
2	15781.73	53.37	74.00	-20.63	45.24	6.14	37.41	35.42	Peak	100	71	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11a Ch 60 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	10601.60	34.65	54.00	-19.35	26.68	5.01	38.38	35.42	Average	100	320	HORIZONTAL
2	10601.66	48.32	74.00	-25.68	40.35	5.01	38.38	35.42	Peak	100	320	HORIZONTAL
3	15902.78	52.01	74.00	-21.99	44.01	6.15	37.29	35.44	Peak	100	68	HORIZONTAL
4	15903.80	37.96	54.00	-16.04	29.96	6.15	37.29	35.44	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	10601.92	36.14	54.00	-17.86	28.17	5.01	38.38	35.42	Average	100	118	VERTICAL
2	10602.24	51.22	74.00	-22.78	43.25	5.01	38.38	35.42	Peak	100	118	VERTICAL
3	15903.84	54.37	74.00	-19.63	46.37	6.15	37.29	35.44	Peak	100	333	VERTICAL
4	15903.86	39.07	54.00	-14.93	31.07	6.15	37.29	35.44	Average	100	333	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11a Ch 64 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	10640.84	49.99	74.00	-24.01	42.00	5.01	38.37	35.39	Peak	114	359	HORIZONTAL
2	10641.60	36.00	54.00	-18.00	28.01	5.01	38.37	35.39	Average	114	359	HORIZONTAL
3	15955.96	52.57	74.00	-21.43	44.63	6.15	37.23	35.44	Peak	100	112	HORIZONTAL
4	15958.80	37.86	54.00	-16.14	29.92	6.15	37.23	35.44	Average	100	112	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	10636.54	37.03	54.00	-16.97	29.04	5.01	38.37	35.39	Average	100	117	VERTICAL
2	10636.76	51.66	74.00	-22.34	43.67	5.01	38.37	35.39	Peak	100	117	VERTICAL
3	15956.36	37.95	54.00	-16.05	30.01	6.15	37.23	35.44	Average	100	253	VERTICAL
4	15962.40	51.93	74.00	-22.07	43.99	6.15	37.23	35.44	Peak	100	253	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11a Ch 100 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	10997.64	36.71	54.00	-17.29	28.48	5.01	38.32	35.10	Average	100	115	HORIZONTAL
2	11001.14	50.96	74.00	-23.04	42.73	5.01	38.32	35.10	Peak	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	10995.40	36.78	54.00	-17.22	28.57	5.01	38.30	35.10	Average	100	296	VERTICAL
2	11004.98	50.39	74.00	-23.61	42.18	5.01	38.30	35.10	Peak	100	296	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11a Ch 116 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	11159.31	37.52	54.00	-16.48	29.18	5.04	38.47	35.17	Average	136	148	HORIZONTAL
2	11160.22	51.19	74.00	-22.81	42.85	5.04	38.47	35.17	Peak	136	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	11159.45	49.99	74.00	-24.01	41.65	5.04	38.47	35.17	Peak	100	200	VERTICAL
2	11160.08	36.14	54.00	-17.86	27.80	5.04	38.47	35.17	Average	100	200	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Denis Su	Configurations	IEEE 802.11a Ch 140 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Nov. 28, 2011	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	11399.89	35.89	54.00	-18.11	27.34	5.10	38.70	35.25	Average	100	271	HORIZONTAL
2	11401.06	50.22	74.00	-23.78	41.67	5.10	38.70	35.25	Peak	100	271	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	11399.79	35.99	54.00	-18.01	27.44	5.10	38.70	35.25	Average	100	60	VERTICAL
2	11399.92	50.42	74.00	-23.58	41.87	5.10	38.70	35.25	Peak	100	60	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	25.6℃	Humidity	56℃
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 52 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Dec. 23, 2011	Test Mode	Mode 9

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	15781.24	52.15	74.00	-21.85	44.02	6.14	37.41	35.42	Peak	100	266	HORIZONTAL
2	15781.32	39.86	54.00	-14.14	31.73	6.14	37.41	35.42	Average	100	266	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	15778.52	53.02	74.00	-20.98	44.89	6.14	37.41	35.42	Peak	100	157	VERTICAL
2	15779.84	39.80	54.00	-14.20	31.67	6.14	37.41	35.42	Average	100	157	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 60 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Dec. 23, 2011	Test Mode	Mode 9

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	10601.40	50.33	74.00	-23.67	42.36	5.01	38.38	35.42	Peak	100	145	HORIZONTAL
2	10605.24	37.41	54.00	-16.59	29.44	5.01	38.38	35.42	Average	100	145	HORIZONTAL
3	15893.20	39.94	54.00	-14.06	31.93	6.15	37.30	35.44	Average	100	176	HORIZONTAL
4	15896.20	52.85	74.00	-21.15	44.85	6.15	37.29	35.44	Peak	100	176	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	10601.92	51.03	74.00	-22.97	43.06	5.01	38.38	35.42	Peak	100	254	VERTICAL
2	10604.84	37.78	54.00	-16.22	29.81	5.01	38.38	35.42	Average	100	254	VERTICAL
3	15900.40	52.40	74.00	-21.60	44.40	6.15	37.29	35.44	Peak	100	294	VERTICAL
4	15905.88	39.98	54.00	-14.02	31.98	6.15	37.29	35.44	Average	100	294	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 64 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Dec. 23, 2011	Test Mode	Mode 9

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	10636.68	50.34	74.00	-23.66	42.35	5.01	38.37	35.39	Peak	100	63	HORIZONTAL
2	10638.06	37.46	54.00	-16.54	29.47	5.01	38.37	35.39	Average	100	63	HORIZONTAL
3	15958.52	52.93	74.00	-21.07	44.99	6.15	37.23	35.44	Peak	100	204	HORIZONTAL
4	15962.52	39.72	54.00	-14.28	31.78	6.15	37.23	35.44	Average	100	204	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	10635.58	37.66	54.00	-16.34	29.67	5.01	38.37	35.39	Average	100	203	VERTICAL
2	10640.44	50.23	74.00	-23.77	42.24	5.01	38.37	35.39	Peak	100	203	VERTICAL
3	15958.12	39.74	54.00	-14.26	31.80	6.15	37.23	35.44	Average	100	111	VERTICAL
4	15960.60	52.03	74.00	-21.97	44.09	6.15	37.23	35.44	Peak	100	111	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 100 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Dec. 23, 2011	Test Mode	Mode 9

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	10996.98	49.02	74.00	-24.98	40.79	5.01	38.32	35.10	Peak	100	281	HORIZONTAL
2	11000.32	36.97	54.00	-17.03	28.74	5.01	38.32	35.10	Average	100	281	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	10997.54	48.71	74.00	-25.29	40.50	5.01	38.30	35.10	Peak	100	197	VERTICAL
2	10999.18	36.38	54.00	-17.62	28.17	5.01	38.30	35.10	Average	100	197	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 116 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Dec. 23, 2011	Test Mode	Mode 9

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	11158.40	51.04	74.00	-22.96	42.72	5.04	38.45	35.17	Peak	100	127	HORIZONTAL
2	11158.70	37.61	54.00	-16.39	29.27	5.04	38.47	35.17	Average	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	11159.76	50.51	74.00	-23.49	42.17	5.04	38.47	35.17	Peak	100	279	VERTICAL
2	11161.28	38.26	54.00	-15.74	29.92	5.04	38.47	35.17	Average	100	279	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 20MHz Ch 140 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Dec. 23, 2011	Test Mode	Mode 9

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	11395.16	50.21	74.00	-23.79	41.68	5.10	38.68	35.25	Peak	100	253	HORIZONTAL
2	11395.64	37.24	54.00	-16.76	28.71	5.10	38.68	35.25	Average	100	253	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	11395.32	36.80	54.00	-17.20	28.27	5.10	38.68	35.25	Average	100	172	VERTICAL
2	11404.42	49.82	74.00	-24.18	41.27	5.10	38.70	35.25	Peak	100	172	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 40MHz Ch 54 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Dec. 23, 2011	Test Mode	Mode 9

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	15808.24	39.87	54.00	-14.13	31.77	6.14	37.39	35.43	Average	100	116	HORIZONTAL
2	15813.30	52.57	74.00	-21.43	44.49	6.14	37.37	35.43	Peak	100	116	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	15811.64	52.98	74.00	-21.02	44.90	6.14	37.37	35.43	Peak	100	243	VERTICAL
2	15812.46	40.01	54.00	-13.99	31.93	6.14	37.37	35.43	Average	100	243	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 40MHz Ch 62 / Port 1 + Port 2
Test Date	Jan. 17, 2012	Test Mode	Mode 9

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	10616.60	50.37	74.00	-23.63	42.40	5.01	38.38	35.42	Peak	100	247	HORIZONTAL
2	10623.22	37.32	54.00	-16.68	29.35	5.01	38.38	35.42	Average	100	247	HORIZONTAL
3	15931.04	53.20	74.00	-20.80	45.24	6.15	37.25	35.44	Peak	100	170	HORIZONTAL
4	15933.48	40.05	54.00	-13.95	32.09	6.15	37.25	35.44	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	10620.84	37.41	54.00	-16.59	29.44	5.01	38.38	35.42	Average	100	57	VERTICAL
2	10622.60	50.05	74.00	-23.95	42.08	5.01	38.38	35.42	Peak	100	57	VERTICAL
3	15931.52	53.02	74.00	-20.98	45.06	6.15	37.25	35.44	Peak	100	224	VERTICAL
4	15932.40	39.97	54.00	-14.03	32.01	6.15	37.25	35.44	Average	100	224	VERTICAL

Temperature	25.6°C	Humidity	56°C
Test Engineer	Robert Chang	Configurations	IEEE 802.11n MCS0 40MHz Ch 102 / Port 1 + Port 2 (2TX, 2RX)
Test Date	Dec. 23, 2011	Test Mode	Mode 9

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	11018.37	36.28	54.00	-17.72	28.04	5.02	38.33	35.11	Average	100	133	HORIZONTAL
2	11018.93	49.01	74.00	-24.99	40.77	5.02	38.33	35.11	Peak	100	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	11018.44	36.40	54.00	-17.60	28.17	5.02	38.32	35.11	Average	100	286	VERTICAL
2	11021.82	49.79	74.00	-24.21	41.56	5.02	38.32	35.11	Peak	100	286	VERTICAL