

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	66.69	74.00	-7.31	29.59	3.43	33.67	0.00	Peak	100	269 VERTICAL
2	5150.00	52.86	54.00	-1.14	15.76	3.43	33.67	0.00	Average	100	269 VERTICAL
3	5187.44	108.40			71.23	3.44	33.73	0.00	Peak	100	269 VERTICAL
4	5188.08	96.90			59.73	3.44	33.73	0.00	Average	100	269 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5139.10	61.64	74.00	-12.36	24.57	3.43	33.64	0.00	Peak	100	266 VERTICAL
2	5150.00	46.39	54.00	-7.61	9.29	3.43	33.67	0.00	Average	100	266 VERTICAL
3	5245.06	113.83			76.55	3.46	33.82	0.00	Peak	100	266 VERTICAL
4	5246.03	101.98			64.67	3.46	33.85	0.00	Average	100	266 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.36	72.47	74.00	-1.53	35.37	3.43	33.67	0.00	Peak	116	6	VERTICAL
2	5150.00	45.50	54.00	-8.50	8.40	3.43	33.67	0.00	Average	116	6	VERTICAL
3	5174.07	114.50			77.36	3.44	33.70	0.00	Peak	116	6	VERTICAL
4	5176.15	101.61			64.47	3.44	33.70	0.00	Average	116	6	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.44	71.53	74.00	-2.47	34.43	3.43	33.67	0.00	Peak	100	261	VERTICAL
2	5150.00	46.84	54.00	-7.16	9.74	3.43	33.67	0.00	Average	100	261	VERTICAL
3	5193.91	104.36			67.19	3.44	33.73	0.00	Average	100	261	VERTICAL
4	5195.83	115.91			78.70	3.45	33.76	0.00	Peak	100	261	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.12	60.56	74.00	-13.44	23.46	3.43	33.67	0.00	Peak	100	267	VERTICAL
2	5150.00	42.03	54.00	-11.97	4.93	3.43	33.67	0.00	Average	100	267	VERTICAL
3	5242.56	104.69			67.41	3.46	33.82	0.00	Average	100	267	VERTICAL
4	5247.05	116.49			79.18	3.46	33.85	0.00	Peak	100	267	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.04	67.44	74.00	-6.56	30.34	3.43	33.67	0.00	Peak	102	4 VERTICAL
2	5150.00	52.95	54.00	-1.05	15.85	3.43	33.67	0.00	Average	102	4 VERTICAL
3	5181.35	109.04			71.87	3.44	33.73	0.00	Peak	102	4 VERTICAL
4	5184.55	95.22			58.05	3.44	33.73	0.00	Average	102	4 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	46.21	54.00	-7.79	9.11	3.43	33.67	0.00	Average	100	267 VERTICAL
2	5150.00	59.67	74.00	-14.33	22.57	3.43	33.67	0.00	Peak	100	267 VERTICAL
3	5239.62	112.49			75.21	3.46	33.82	0.00	Peak	100	267 VERTICAL
4	5242.82	98.76			61.48	3.46	33.82	0.00	Average	100	267 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.04	72.43	74.00	-1.57	35.33	3.43	33.67	0.00	Peak	100	263 VERTICAL
2	5150.00	47.84	54.00	-6.16	10.74	3.43	33.67	0.00	Average	100	263 VERTICAL
3	5187.69	104.86			67.69	3.44	33.73	0.00	Average	100	263 VERTICAL
4	5187.69	116.47			79.30	3.44	33.73	0.00	Peak	100	263 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	49.61	54.00	-4.39	12.51	3.43	33.67	0.00	Average	100	292 VERTICAL
2	5148.40	72.80	74.00	-1.20	35.70	3.43	33.67	0.00	Peak	100	292 VERTICAL
3	5202.24	116.80			79.59	3.45	33.76	0.00	Peak	100	292 VERTICAL
4	5207.00	105.80			68.59	3.45	33.76	0.00	Average	100	292 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	61.61	74.00	-12.39	24.51	3.43	33.67	0.00	Peak	100	267 VERTICAL
2	5150.00	42.36	54.00	-11.64	5.26	3.43	33.67	0.00	Average	100	267 VERTICAL
3	5245.77	119.10			81.79	3.46	33.85	0.00	Peak	100	267 VERTICAL
4	5246.41	108.31			71.00	3.46	33.85	0.00	Average	100	267 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	66.72	74.00	-7.28	29.62	3.43	33.67	0.00	Peak	104	353 VERTICAL
2	5150.00	53.00	54.00	-1.00	15.90	3.43	33.67	0.00	Average	104	353 VERTICAL
3	5185.19	110.21			73.04	3.44	33.73	0.00	Peak	104	353 VERTICAL
4	5185.51	98.28			61.11	3.44	33.73	0.00	Average	104	353 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	60.35	74.00	-13.65	23.25	3.43	33.67	0.00	Peak	101	266 VERTICAL
2	5150.00	47.06	54.00	-6.94	9.96	3.43	33.67	0.00	Average	101	266 VERTICAL
3	5245.39	102.72			65.44	3.46	33.82	0.00	Average	101	266 VERTICAL
4	5245.71	114.16			76.85	3.46	33.85	0.00	Peak	101	266 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	66.17	74.00	-7.83	29.07	3.43	33.67	0.00	Peak	100	263 VERTICAL
2	5150.00	52.38	54.00	-1.62	15.28	3.43	33.67	0.00	Average	100	263 VERTICAL
3	5188.37	89.14			51.97	3.44	33.73	0.00	Average	100	263 VERTICAL
4	5189.17	100.59			63.42	3.44	33.73	0.00	Peak	100	263 VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.92	72.34	74.00	-1.66	35.24	3.43	33.67	0.00	Peak	117	6 VERTICAL
2	5150.00	46.15	54.00	-7.85	9.05	3.43	33.67	0.00	Average	117	6 VERTICAL
3	5175.51	115.41			78.27	3.44	33.70	0.00	Peak	117	6 VERTICAL
4	5177.92	103.64			66.47	3.44	33.73	0.00	Average	117	6 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.08	71.84	74.00	-2.16	34.74	3.43	33.67	0.00	Peak	102	300 VERTICAL
2	5150.00	48.19	54.00	-5.81	11.09	3.43	33.67	0.00	Average	102	300 VERTICAL
3	5193.27	117.18			80.01	3.44	33.73	0.00	Peak	102	300 VERTICAL
4	5197.76	106.56			69.35	3.45	33.76	0.00	Average	102	300 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5141.67	61.11	74.00	-12.89	24.04	3.43	33.64	0.00	Peak	100	266 VERTICAL
2	5150.00	42.11	54.00	-11.89	5.01	3.43	33.67	0.00	Average	100	266 VERTICAL
3	5233.27	104.99			67.71	3.46	33.82	0.00	Average	100	266 VERTICAL
4	5244.49	116.54			79.26	3.46	33.82	0.00	Peak	100	266 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	67.21	74.00	-6.79	30.11	3.43	33.67	0.00	Peak	110	4 VERTICAL
2	5150.00	52.75	54.00	-1.25	15.65	3.43	33.67	0.00	Average	110	4 VERTICAL
3	5181.99	94.46			57.29	3.44	33.73	0.00	Average	110	4 VERTICAL
4	5198.33	107.55			70.34	3.45	33.76	0.00	Peak	110	4 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5144.87	61.11	74.00	-12.89	24.01	3.43	33.67	0.00	Peak	100	273 VERTICAL
2	5150.00	46.30	54.00	-7.70	9.20	3.43	33.67	0.00	Average	100	273 VERTICAL
3	5233.21	99.90			62.62	3.46	33.82	0.00	Average	100	273 VERTICAL
4	5242.18	112.35			75.07	3.46	33.82	0.00	Peak	100	273 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5148.56	68.21	74.00	-5.79	31.11	3.43	33.67	0.00	Peak	116	4	VERTICAL
2	5150.00	52.56	54.00	-1.44	15.46	3.43	33.67	0.00	Average	116	4	VERTICAL
3	5186.44	87.17			50.00	3.44	33.73	0.00	Average	116	4	VERTICAL
4	5217.69	103.13			65.89	3.45	33.79	0.00	Peak	116	4	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	
1	5146.31	72.44	74.00	-1.56	35.34	3.43	33.67	0.00	Peak	100	61	VERTICAL
2	5150.00	44.02	54.00	-9.98	6.92	3.43	33.67	0.00	Average	100	61	VERTICAL
3	5174.39	116.07			78.93	3.44	33.70	0.00	Peak	100	61	VERTICAL
4	5174.55	104.55			67.41	3.44	33.70	0.00	Average	100	61	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	
1	5146.47	72.32	74.00	-1.68	35.22	3.43	33.67	0.00	Peak	100	268	VERTICAL
2	5150.00	47.01	54.00	-6.99	9.91	3.43	33.67	0.00	Average	100	268	VERTICAL
3	5192.63	120.32			83.15	3.44	33.73	0.00	Peak	100	268	VERTICAL
4	5192.95	108.95			71.78	3.44	33.73	0.00	Average	100	268	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	
1	5140.39	63.54	74.00	-10.46	26.47	3.43	33.64	0.00	Peak	100	269	VERTICAL
2	5150.00	42.71	54.00	-11.29	5.61	3.43	33.67	0.00	Average	100	269	VERTICAL
3	5241.28	122.22			84.94	3.46	33.82	0.00	Peak	100	269	VERTICAL
4	5241.60	110.66			73.38	3.46	33.82	0.00	Average	100	269	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5149.68	67.92	74.00	-6.08	30.82	3.43	33.67	0.00	Peak	121	317 VERTICAL
2	5150.00	52.96	54.00	-1.04	15.86	3.43	33.67	0.00	Average	121	317 VERTICAL
3	5188.08	99.09			61.92	3.44	33.73	0.00	Average	121	317 VERTICAL
4	5188.40	110.55			73.38	3.44	33.73	0.00	Peak	121	317 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.08	62.70	74.00	-11.30	25.60	3.43	33.67	0.00	Peak	100	264 VERTICAL
2	5149.36	48.55	54.00	-5.45	11.45	3.43	33.67	0.00	Average	100	264 VERTICAL
3	5245.71	118.18			80.87	3.46	33.85	0.00	Peak	100	264 VERTICAL
4	5246.03	106.13			68.82	3.46	33.85	0.00	Average	100	264 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.56	72.39	74.00	-1.61	35.29	3.43	33.67	0.00	Peak	102	39 VERTICAL
2	5150.00	43.58	54.00	-10.42	6.48	3.43	33.67	0.00	Average	102	39 VERTICAL
3	5173.75	102.67			65.53	3.44	33.70	0.00	Average	102	39 VERTICAL
4	5186.41	116.01			78.84	3.44	33.73	0.00	Peak	102	39 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.08	72.62	74.00	-1.38	35.52	3.43	33.67	0.00	Peak	100	263 VERTICAL
2	5150.00	47.88	54.00	-6.12	10.78	3.43	33.67	0.00	Average	100	263 VERTICAL
3	5193.59	106.48			69.31	3.44	33.73	0.00	Average	100	263 VERTICAL
4	5195.51	120.42			83.21	3.45	33.76	0.00	Peak	100	263 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.08	63.26	74.00	-10.74	26.16	3.43	33.67	0.00	Peak	100	266 VERTICAL
2	5150.00	42.87	54.00	-11.13	5.77	3.43	33.67	0.00	Average	100	266 VERTICAL
3	5237.12	107.51			70.23	3.46	33.82	0.00	Average	100	266 VERTICAL
4	5245.13	121.15			83.87	3.46	33.82	0.00	Peak	100	266 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.56	54.00	-1.44	15.46	3.43	33.67	0.00	Average	100	272	VERTICAL
2	5150.00	64.37	74.00	-9.63	27.27	3.43	33.67	0.00	Peak	100	272	VERTICAL
3	5180.06	110.85			73.68	3.44	33.73	0.00	Peak	100	272	VERTICAL
4	5184.55	96.50			59.33	3.44	33.73	0.00	Average	100	272	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.36	61.87	74.00	-12.13	24.77	3.43	33.67	0.00	Peak	101	267	VERTICAL
2	5150.00	47.90	54.00	-6.10	10.80	3.43	33.67	0.00	Average	101	267	VERTICAL
3	5244.74	102.65			65.37	3.46	33.82	0.00	Average	101	267	VERTICAL
4	5245.06	116.94			79.66	3.46	33.82	0.00	Peak	101	267	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS16 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.20	72.87	74.00	-1.13	35.77	3.43	33.67	0.00	Peak	100	92 VERTICAL
2	5150.00	43.76	54.00	-10.24	6.66	3.43	33.67	0.00	Average	100	92 VERTICAL
3	5183.69	113.60			76.43	3.44	33.73	0.00	Peak	100	92 VERTICAL
4	5185.29	98.59			61.42	3.44	33.73	0.00	Average	100	92 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5143.91	72.72	74.00	-1.28	35.62	3.43	33.67	0.00	Peak	100	307 VERTICAL
2	5150.00	47.57	54.00	-6.43	10.47	3.43	33.67	0.00	Average	100	307 VERTICAL
3	5195.51	118.50			81.29	3.45	33.76	0.00	Peak	100	307 VERTICAL
4	5197.44	102.98			65.77	3.45	33.76	0.00	Average	100	307 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.12	61.68	74.00	-12.32	24.58	3.43	33.67	0.00	Peak	100	266 VERTICAL
2	5150.00	42.07	54.00	-11.93	4.97	3.43	33.67	0.00	Average	100	266 VERTICAL
3	5238.08	119.48			82.20	3.46	33.82	0.00	Peak	100	266 VERTICAL
4	5247.37	103.90			66.59	3.46	33.85	0.00	Average	100	266 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS16 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.43	54.00	-1.57	15.33	3.43	33.67	0.00	Average	100	3	VERTICAL
2	5150.00	67.16	74.00	-6.84	30.06	3.43	33.67	0.00	Peak	100	3	VERTICAL
3	5182.31	109.52			72.35	3.44	33.73	0.00	Peak	100	3	VERTICAL
4	5188.08	93.88			56.71	3.44	33.73	0.00	Average	100	3	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	46.54	54.00	-7.46	9.44	3.43	33.67	0.00	Average	100	268	VERTICAL
2	5150.00	58.95	74.00	-15.05	21.85	3.43	33.67	0.00	Peak	100	268	VERTICAL
3	5238.97	99.30			62.02	3.46	33.82	0.00	Average	100	268	VERTICAL
4	5239.62	115.83			78.55	3.46	33.82	0.00	Peak	100	268	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.88	72.68	74.00	-1.32	35.58	3.43	33.67	0.00	Peak	100	59 VERTICAL
2	5150.00	44.39	54.00	-9.61	7.29	3.43	33.67	0.00	Average	100	59 VERTICAL
3	5173.43	104.44			67.30	3.44	33.70	0.00	Average	100	59 VERTICAL
4	5174.39	115.29			78.15	3.44	33.70	0.00	Peak	100	59 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.72	72.64	74.00	-1.36	35.54	3.43	33.67	0.00	Peak	100	268 VERTICAL
2	5150.00	47.57	54.00	-6.43	10.47	3.43	33.67	0.00	Average	100	268 VERTICAL
3	5206.41	108.94			71.73	3.45	33.76	0.00	Average	100	268 VERTICAL
4	5206.73	120.39			83.18	3.45	33.76	0.00	Peak	100	268 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5146.80	63.09	74.00	-10.91	25.99	3.43	33.67	0.00	Peak	100	268 VERTICAL
2	5150.00	42.89	54.00	-11.11	5.79	3.43	33.67	0.00	Average	100	268 VERTICAL
3	5244.81	121.22			83.94	3.46	33.82	0.00	Peak	100	268 VERTICAL
4	5248.33	108.85			71.54	3.46	33.85	0.00	Average	100	268 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.36	66.02	74.00	-7.98	28.92	3.43	33.67	0.00	Peak	100	266	VERTICAL
2	5150.00	52.65	54.00	-1.35	15.55	3.43	33.67	0.00	Average	100	266	VERTICAL
3	5191.92	109.81			72.64	3.44	33.73	0.00	Peak	100	266	VERTICAL
4	5192.24	98.09			60.92	3.44	33.73	0.00	Average	100	266	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.68	60.19	74.00	-13.81	23.09	3.43	33.67	0.00	Peak	100	250	VERTICAL
2	5150.00	47.54	54.00	-6.46	10.44	3.43	33.67	0.00	Average	100	250	VERTICAL
3	5246.99	103.02			65.71	3.46	33.85	0.00	Average	100	250	VERTICAL
4	5246.99	115.18			77.87	3.46	33.85	0.00	Peak	100	250	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.53	54.00	-1.47	15.43	3.43	33.67	0.00	Average	100	266	VERTICAL
2	5150.00	65.46	74.00	-8.54	28.36	3.43	33.67	0.00	Peak	100	266	VERTICAL
3	5230.83	101.69			64.41	3.46	33.82	0.00	Peak	100	266	VERTICAL
4	5231.64	89.65			52.37	3.46	33.82	0.00	Average	100	266	VERTICAL
5	5350.00	40.57	54.00	-13.43	3.05	3.49	34.03	0.00	Average	100	266	VERTICAL
6	5350.00	51.66	74.00	-22.34	14.14	3.49	34.03	0.00	Peak	100	266	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5144.71	72.42	74.00	-1.58	35.32	3.43	33.67	0.00	Peak	100	39 VERTICAL
2	5150.00	43.78	54.00	-10.22	6.68	3.43	33.67	0.00	Average	100	39 VERTICAL
3	5176.15	115.28			78.14	3.44	33.70	0.00	Peak	100	39 VERTICAL
4	5186.57	103.23			66.06	3.44	33.73	0.00	Average	100	39 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	47.81	54.00	-6.19	10.71	3.43	33.67	0.00	Average	100	262 VERTICAL
2	5150.00	72.86	74.00	-1.14	35.76	3.43	33.67	0.00	Peak	100	262 VERTICAL
3	5193.59	107.12			69.95	3.44	33.73	0.00	Average	100	262 VERTICAL
4	5206.09	119.54			82.33	3.45	33.76	0.00	Peak	100	262 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5141.99	60.03	74.00	-13.97	22.96	3.43	33.64	0.00	Peak	100	245 VERTICAL
2	5150.00	41.81	54.00	-12.19	4.71	3.43	33.67	0.00	Average	100	245 VERTICAL
3	5246.09	120.35			83.04	3.46	33.85	0.00	Peak	100	245 VERTICAL
4	5246.41	108.80			71.49	3.46	33.85	0.00	Average	100	245 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.72	65.83	74.00	-8.17	28.73	3.43	33.67	0.00	Peak	100	299 VERTICAL
2	5150.00	52.44	54.00	-1.56	15.34	3.43	33.67	0.00	Average	100	299 VERTICAL
3	5187.76	95.03			57.86	3.44	33.73	0.00	Average	100	299 VERTICAL
4	5188.08	109.18			72.01	3.44	33.73	0.00	Peak	100	299 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5143.91	62.92	74.00	-11.08	25.82	3.43	33.67	0.00	Peak	100	102 VERTICAL
2	5150.00	46.61	54.00	-7.39	9.51	3.43	33.67	0.00	Average	100	102 VERTICAL
3	5245.71	115.76			78.45	3.46	33.85	0.00	Peak	100	102 VERTICAL
4	5246.67	101.37			64.06	3.46	33.85	0.00	Average	100	102 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.55	54.00	-1.45	15.45	3.43	33.67	0.00	Average	100	267	VERTICAL
2	5150.00	65.57	74.00	-8.43	28.47	3.43	33.67	0.00	Peak	100	267	VERTICAL
3	5198.78	104.57			67.36	3.45	33.76	0.00	Peak	100	267	VERTICAL
4	5247.66	88.90			51.59	3.46	33.85	0.00	Average	100	267	VERTICAL
5	5350.00	40.66	54.00	-13.34	3.14	3.49	34.03	0.00	Average	100	267	VERTICAL
6	5350.00	50.85	74.00	-23.15	13.33	3.49	34.03	0.00	Peak	100	267	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.84	72.56	74.00	-1.44	35.46	3.43	33.67	0.00	Peak	116	360 VERTICAL
2	5150.00	44.91	54.00	-9.09	7.81	3.43	33.67	0.00	Average	116	360 VERTICAL
3	5182.08	101.94			64.77	3.44	33.73	0.00	Average	116	360 VERTICAL
4	5182.40	114.85			77.68	3.44	33.73	0.00	Peak	116	360 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5145.19	72.51	74.00	-1.49	35.41	3.43	33.67	0.00	Peak	111	311 VERTICAL
2	5150.00	47.09	54.00	-6.91	9.99	3.43	33.67	0.00	Average	111	311 VERTICAL
3	5193.27	105.10			67.93	3.44	33.73	0.00	Average	111	311 VERTICAL
4	5203.85	119.88			82.67	3.45	33.76	0.00	Peak	111	311 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	62.55	74.00	-11.45	25.45	3.43	33.67	0.00	Peak	100	271 VERTICAL
2	5150.00	42.21	54.00	-11.79	5.11	3.43	33.67	0.00	Average	100	271 VERTICAL
3	5233.27	106.05			68.77	3.46	33.82	0.00	Average	100	271 VERTICAL
4	5243.85	119.30			82.02	3.46	33.82	0.00	Peak	100	271 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.36	67.16	74.00	-6.84	30.06	3.43	33.67	0.00	Peak	100	272	VERTICAL
2	5150.00	52.56	54.00	-1.44	15.46	3.43	33.67	0.00	Average	100	272	VERTICAL
3	5173.33	96.11			58.97	3.44	33.70	0.00	Average	100	272	VERTICAL
4	5183.59	110.75			73.58	3.44	33.73	0.00	Peak	100	272	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5148.08	57.20	74.00	-16.80	20.10	3.43	33.67	0.00	Peak	100	254	VERTICAL
2	5150.00	44.21	54.00	-9.79	7.11	3.43	33.67	0.00	Average	100	254	VERTICAL
3	5238.01	99.86			62.58	3.46	33.82	0.00	Average	100	254	VERTICAL
4	5239.62	115.39			78.11	3.46	33.82	0.00	Peak	100	254	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.60	54.00	-1.40	15.50	3.43	33.67	0.00	Average	100	274	VERTICAL
2	5150.00	67.32	74.00	-6.68	30.22	3.43	33.67	0.00	Peak	100	274	VERTICAL
3	5233.24	88.84			51.56	3.46	33.82	0.00	Average	100	274	VERTICAL
4	5233.24	107.29			70.01	3.46	33.82	0.00	Peak	100	274	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	5147.76	72.06	74.00	-1.94	34.96	3.43	33.67	0.00 Peak	115	11	VERTICAL
2	5150.00	51.54	54.00	-2.46	14.44	3.43	33.67	0.00 Average	115	11	VERTICAL
3	5177.44	114.42			77.25	3.44	33.73	0.00 Peak	115	11	VERTICAL
4	5178.88	102.79			65.62	3.44	33.73	0.00 Average	115	11	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.68	69.25	74.00	-4.75	32.15	3.43	33.67	0.00 Peak	100	359	VERTICAL
2	5150.00	48.65	54.00	-5.35	11.55	3.43	33.67	0.00 Average	100	359	VERTICAL
3	5197.44	103.64			66.43	3.45	33.76	0.00 Average	100	359	VERTICAL
4	5198.40	115.23			78.02	3.45	33.76	0.00 Peak	100	359	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	5143.59	57.38	74.00	-16.62	20.28	3.43	33.67	0.00 Peak	100	58	VERTICAL
2	5150.00	42.90	54.00	-11.10	5.80	3.43	33.67	0.00 Average	100	58	VERTICAL
3	5240.64	113.79			76.51	3.46	33.82	0.00 Peak	100	58	VERTICAL
4	5242.56	102.04			64.76	3.46	33.82	0.00 Average	100	58	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.92	45.31	54.00	-8.69	8.21	3.43	33.67	0.00	Average	119	5 VERTICAL
2	5150.00	72.61	74.00	-1.39	35.51	3.43	33.67	0.00	Peak	119	5 VERTICAL
3	5173.11	104.70			67.56	3.44	33.70	0.00	Average	119	5 VERTICAL
4	5178.08	116.39			79.22	3.44	33.73	0.00	Peak	119	5 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5145.51	69.80	74.00	-4.20	32.70	3.43	33.67	0.00	Peak	100	267 VERTICAL
2	5149.36	48.13	54.00	-5.87	11.03	3.43	33.67	0.00	Average	100	267 VERTICAL
3	5194.55	107.50			70.30	3.44	33.76	0.00	Average	100	267 VERTICAL
4	5194.55	119.38			82.18	3.44	33.76	0.00	Peak	100	267 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	60.63	74.00	-13.37	23.53	3.43	33.67	0.00	Peak	100	268 VERTICAL
2	5150.00	41.91	54.00	-12.09	4.81	3.43	33.67	0.00	Average	100	268 VERTICAL
3	5244.17	118.61			81.33	3.46	33.82	0.00	Peak	100	268 VERTICAL
4	5244.49	107.77			70.49	3.46	33.82	0.00	Average	100	268 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	42.36	54.00	-11.64	5.26	3.43	33.67	0.00	Average	100	58 VERTICAL
2	5150.00	72.67	74.00	-1.33	35.57	3.43	33.67	0.00	Peak	100	58 VERTICAL
3	5176.80	115.98			78.84	3.44	33.70	0.00	Peak	100	58 VERTICAL
4	5185.77	105.04			67.87	3.44	33.73	0.00	Average	100	58 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	72.60	74.00	-1.40	35.50	3.43	33.67	0.00	Peak	100	267 VERTICAL
2	5150.00	47.28	54.00	-6.72	10.18	3.43	33.67	0.00	Average	100	267 VERTICAL
3	5201.28	110.03			72.82	3.45	33.76	0.00	Average	100	267 VERTICAL
4	5201.92	121.52			84.31	3.45	33.76	0.00	Peak	100	267 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5141.03	64.83	74.00	-9.17	27.76	3.43	33.64	0.00	Peak	100	272 VERTICAL
2	5150.00	43.09	54.00	-10.91	5.99	3.43	33.67	0.00	Average	100	272 VERTICAL
3	5242.89	110.65			73.37	3.46	33.82	0.00	Average	100	272 VERTICAL
4	5243.53	121.41			84.13	3.46	33.82	0.00	Peak	100	272 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	5149.80	72.48	74.00	-1.52	35.38	3.43	33.67	0.00	Peak	118	11 VERTICAL
2	5150.00	45.95	54.00	-8.05	8.85	3.43	33.67	0.00	Average	118	11 VERTICAL
3	5182.20	113.80			76.63	3.44	33.73	0.00	Peak	118	11 VERTICAL
4	5185.40	102.51			65.34	3.44	33.73	0.00	Average	118	11 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	5149.20	72.51	74.00	-1.49	35.41	3.43	33.67	0.00	Peak	114	12 VERTICAL
2	5150.00	46.71	54.00	-7.29	9.61	3.43	33.67	0.00	Average	114	12 VERTICAL
3	5202.00	120.44			83.23	3.45	33.76	0.00	Peak	114	12 VERTICAL
4	5204.80	108.91			71.70	3.45	33.76	0.00	Average	114	12 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	5148.00	69.05	74.00	-4.95	31.95	3.43	33.67	0.00	Peak	114	11 VERTICAL
2	5150.00	48.18	54.00	-5.82	11.08	3.43	33.67	0.00	Average	114	11 VERTICAL
3	5234.40	112.08			74.80	3.46	33.82	0.00	Average	114	11 VERTICAL
4	5236.80	124.42			87.14	3.46	33.82	0.00	Peak	114	11 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.54	54.00	-1.46	15.44	3.43	33.67	0.00	Average	115	13 VERTICAL
2	5150.00	65.32	74.00	-8.68	28.22	3.43	33.67	0.00	Peak	115	13 VERTICAL
3	5179.20	109.40			72.23	3.44	33.73	0.00	Peak	115	13 VERTICAL
4	5201.60	97.57			60.36	3.45	33.76	0.00	Average	115	13 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.12	54.00	-1.88	15.02	3.43	33.67	0.00	Average	114	10 VERTICAL
2	5150.00	64.25	74.00	-9.75	27.15	3.43	33.67	0.00	Peak	114	10 VERTICAL
3	5218.80	120.03			82.79	3.45	33.79	0.00	Peak	114	10 VERTICAL
4	5238.80	107.52			70.24	3.46	33.82	0.00	Average	114	10 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	45.52	54.00	-8.48	8.42	3.43	33.67	0.00	Average	115	9 VERTICAL
2	5150.00	72.49	74.00	-1.51	35.39	3.43	33.67	0.00	Peak	115	9 VERTICAL
3	5184.80	102.66			65.49	3.44	33.73	0.00	Average	115	9 VERTICAL
4	5185.40	114.06			76.89	3.44	33.73	0.00	Peak	115	9 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.20	72.92	74.00	-1.08	35.82	3.43	33.67	0.00	Peak	115	11 VERTICAL
2	5150.00	46.75	54.00	-7.25	9.65	3.43	33.67	0.00	Average	115	11 VERTICAL
3	5204.80	108.82			71.61	3.45	33.76	0.00	Average	115	11 VERTICAL
4	5207.60	120.20			82.99	3.45	33.76	0.00	Peak	115	11 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.60	69.91	74.00	-4.09	32.81	3.43	33.67	0.00	Peak	116	7 VERTICAL
2	5150.00	49.25	54.00	-4.75	12.15	3.43	33.67	0.00	Average	116	7 VERTICAL
3	5235.60	112.07			74.79	3.46	33.82	0.00	Average	116	7 VERTICAL
4	5247.60	124.91			87.60	3.46	33.85	0.00	Peak	116	7 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.65	54.00	-1.35	15.55	3.43	33.67	0.00	Average	115	12 VERTICAL
2	5150.00	65.18	74.00	-8.82	28.08	3.43	33.67	0.00	Peak	115	12 VERTICAL
3	5181.60	109.73			72.56	3.44	33.73	0.00	Peak	115	12 VERTICAL
4	5202.40	98.02			60.81	3.45	33.76	0.00	Average	115	12 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.60	66.17	74.00	-7.83	29.07	3.43	33.67	0.00	Peak	113	10 VERTICAL
2	5150.00	52.78	54.00	-1.22	15.68	3.43	33.67	0.00	Average	113	10 VERTICAL
3	5219.60	120.27			83.03	3.45	33.79	0.00	Peak	113	10 VERTICAL
4	5238.80	107.56			70.28	3.46	33.82	0.00	Average	113	10 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			
1	5150.00	52.53	54.00	-1.47	15.43	3.43	33.67	0.00	Average	116	10 VERTICAL
2	5150.00	64.34	74.00	-9.66	27.24	3.43	33.67	0.00	Peak	116	10 VERTICAL
3	5223.00	101.60			64.35	3.46	33.79	0.00	Peak	116	10 VERTICAL
4	5227.00	89.49			52.24	3.46	33.79	0.00	Average	116	10 VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	46.55	54.00	-7.45	9.45	3.43	33.67	0.00	Average	116	11 VERTICAL
2	5150.00	72.85	74.00	-1.15	35.75	3.43	33.67	0.00	Peak	116	11 VERTICAL
3	5173.60	114.14			77.00	3.44	33.70	0.00	Peak	116	11 VERTICAL
4	5174.00	103.19			66.05	3.44	33.70	0.00	Average	116	11 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	72.71	74.00	-1.29	35.61	3.43	33.67	0.00	Peak	115	12 VERTICAL
2	5150.00	46.47	54.00	-7.53	9.37	3.43	33.67	0.00	Average	115	12 VERTICAL
3	5193.60	108.93			71.76	3.44	33.73	0.00	Average	115	12 VERTICAL
4	5194.80	119.95			82.74	3.45	33.76	0.00	Peak	115	12 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	68.61	74.00	-5.39	31.51	3.43	33.67	0.00	Peak	113	11 VERTICAL
2	5150.00	49.91	54.00	-4.09	12.81	3.43	33.67	0.00	Average	113	11 VERTICAL
3	5233.20	114.88			77.60	3.46	33.82	0.00	Average	113	11 VERTICAL
4	5235.20	126.39			89.11	3.46	33.82	0.00	Peak	113	11 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.51	54.00	-1.49	15.41	3.43	33.67	0.00	Average	111	354 VERTICAL
2	5150.00	65.53	74.00	-8.47	28.43	3.43	33.67	0.00	Peak	111	354 VERTICAL
3	5188.00	98.51			61.34	3.44	33.73	0.00	Average	111	354 VERTICAL
4	5188.00	112.26			75.09	3.44	33.73	0.00	Peak	111	354 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.00	71.35	74.00	-2.65	34.25	3.43	33.67	0.00	Peak	110	359 VERTICAL
2	5150.00	52.58	54.00	-1.42	15.48	3.43	33.67	0.00	Average	110	359 VERTICAL
3	5231.60	108.12			70.84	3.46	33.82	0.00	Average	110	359 VERTICAL
4	5231.60	122.17			84.89	3.46	33.82	0.00	Peak	110	359 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.40	72.61	74.00	-1.39	35.51	3.43	33.67	0.00	Peak	100	356	VERTICAL
2	5150.00	46.54	54.00	-7.46	9.44	3.43	33.67	0.00	Average	100	356	VERTICAL
3	5181.00	113.80			76.63	3.44	33.73	0.00	Peak	100	356	VERTICAL
4	5185.20	98.33			61.16	3.44	33.73	0.00	Average	100	356	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.80	72.80	74.00	-1.20	35.70	3.43	33.67	0.00	Peak	100	359	VERTICAL
2	5150.00	47.48	54.00	-6.52	10.38	3.43	33.67	0.00	Average	100	359	VERTICAL
3	5194.40	103.80			66.63	3.44	33.73	0.00	Average	100	359	VERTICAL
4	5195.20	119.49			82.28	3.45	33.76	0.00	Peak	100	359	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	50.29	54.00	-3.71	13.19	3.43	33.67	0.00	Average	100	0	VERTICAL
2	5150.00	71.86	74.00	-2.14	34.76	3.43	33.67	0.00	Peak	100	0	VERTICAL
3	5236.40	125.92			88.64	3.46	33.82	0.00	Peak	100	0	VERTICAL
4	5245.40	110.02			72.74	3.46	33.82	0.00	Average	100	0	VERTICAL
5	5350.00	51.49	54.00	-2.51	13.97	3.49	34.03	0.00	Average	100	0	VERTICAL
6	5351.80	72.96	74.00	-1.04	35.44	3.49	34.03	0.00	Peak	100	0	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.58	54.00	-1.42	15.48	3.43	33.67	0.00	Average	100	359 VERTICAL
2	5150.00	66.76	74.00	-7.24	29.66	3.43	33.67	0.00	Peak	100	359 VERTICAL
3	5198.40	112.26			75.05	3.45	33.76	0.00	Peak	100	359 VERTICAL
4	5198.80	94.65			57.44	3.45	33.76	0.00	Average	100	359 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5144.40	70.97	74.00	-3.03	33.87	3.43	33.67	0.00	Peak	100	360 VERTICAL
2	5150.00	52.22	54.00	-1.78	15.12	3.43	33.67	0.00	Average	100	360 VERTICAL
3	5241.60	121.48			84.20	3.46	33.82	0.00	Peak	100	360 VERTICAL
4	5244.40	102.39			65.11	3.46	33.82	0.00	Average	100	360 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.80	72.44	74.00	-1.56	35.34	3.43	33.67	0.00	Peak	132	3	VERTICAL
2	5150.00	45.65	54.00	-8.35	8.55	3.43	33.67	0.00	Average	132	3	VERTICAL
3	5186.40	102.39			65.22	3.44	33.73	0.00	Average	132	3	VERTICAL
4	5187.00	114.91			77.74	3.44	33.73	0.00	Peak	132	3	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	46.93	54.00	-7.07	9.83	3.43	33.67	0.00	Average	116	354	VERTICAL
2	5150.00	72.63	74.00	-1.37	35.53	3.43	33.67	0.00	Peak	116	354	VERTICAL
3	5205.60	119.98			82.77	3.45	33.76	0.00	Peak	116	354	VERTICAL
4	5206.80	107.43			70.22	3.45	33.76	0.00	Average	116	354	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.20	70.73	74.00	-3.27	33.63	3.43	33.67	0.00	Peak	130	2	VERTICAL
2	5150.00	50.39	54.00	-3.61	13.29	3.43	33.67	0.00	Average	130	2	VERTICAL
3	5245.40	127.09			89.81	3.46	33.82	0.00	Peak	130	2	VERTICAL
4	5246.00	114.65			77.34	3.46	33.85	0.00	Average	130	2	VERTICAL
5	5350.00	51.19	54.00	-2.81	13.67	3.49	34.03	0.00	Average	130	2	VERTICAL
6	5350.00	72.91	74.00	-1.09	35.39	3.49	34.03	0.00	Peak	130	2	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.55	54.00	-1.45	15.45	3.43	33.67	0.00	Average	100	353 VERTICAL
2	5150.00	65.51	74.00	-8.49	28.41	3.43	33.67	0.00	Peak	100	353 VERTICAL
3	5188.00	97.77			60.60	3.44	33.73	0.00	Average	100	353 VERTICAL
4	5188.40	111.36			74.19	3.44	33.73	0.00	Peak	100	353 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.49	54.00	-1.51	15.39	3.43	33.67	0.00	Average	100	358 VERTICAL
2	5150.00	66.53	74.00	-7.47	29.43	3.43	33.67	0.00	Peak	100	358 VERTICAL
3	5232.00	108.29			71.01	3.46	33.82	0.00	Average	100	358 VERTICAL
4	5232.00	122.29			85.01	3.46	33.82	0.00	Peak	100	358 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5143.00	52.38	54.00	-1.62	15.31	3.43	33.64	0.00	Average	100	0	VERTICAL
2	5144.00	66.75	74.00	-7.25	29.65	3.43	33.67	0.00	Peak	100	0	VERTICAL
3	5239.00	94.65			57.37	3.46	33.82	0.00	Average	100	0	VERTICAL
4	5241.00	106.52			69.24	3.46	33.82	0.00	Peak	100	0	VERTICAL
5	5350.00	46.79	54.00	-7.21	9.27	3.49	34.03	0.00	Average	100	0	VERTICAL
6	5350.00	59.33	74.00	-14.67	21.81	3.49	34.03	0.00	Peak	100	0	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.80	72.77	74.00	-1.23	35.67	3.43	33.67	0.00	Peak	117	353 VERTICAL
2	5150.00	46.87	54.00	-7.13	9.77	3.43	33.67	0.00	Average	117	353 VERTICAL
3	5173.40	100.05			62.91	3.44	33.70	0.00	Average	117	353 VERTICAL
4	5182.40	114.71			77.54	3.44	33.73	0.00	Peak	117	353 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.60	72.96	74.00	-1.04	35.86	3.43	33.67	0.00	Peak	100	2 VERTICAL
2	5150.00	47.33	54.00	-6.67	10.23	3.43	33.67	0.00	Average	100	2 VERTICAL
3	5193.60	104.76			67.59	3.44	33.73	0.00	Average	100	2 VERTICAL
4	5206.40	119.27			82.06	3.45	33.76	0.00	Peak	100	2 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	50.29	54.00	-3.71	13.19	3.43	33.67	0.00	Average	100	0 VERTICAL
2	5150.00	69.40	74.00	-4.60	32.30	3.43	33.67	0.00	Peak	100	0 VERTICAL
3	5234.60	126.16			88.88	3.46	33.82	0.00	Peak	100	0 VERTICAL
4	5241.80	110.72			73.44	3.46	33.82	0.00	Average	100	0 VERTICAL
5	5350.00	51.72	54.00	-2.28	14.20	3.49	34.03	0.00	Average	100	0 VERTICAL
6	5350.00	72.89	74.00	-1.11	35.37	3.49	34.03	0.00	Peak	100	0 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.57	54.00	-1.43	15.47	3.43	33.67	0.00	Average	100	360 VERTICAL
2	5150.00	66.31	74.00	-7.69	29.21	3.43	33.67	0.00	Peak	100	360 VERTICAL
3	5193.60	95.42			58.25	3.44	33.73	0.00	Average	100	360 VERTICAL
4	5195.20	112.16			74.95	3.45	33.76	0.00	Peak	100	360 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.80	70.30	74.00	-3.70	33.20	3.43	33.67	0.00	Peak	100	360 VERTICAL
2	5150.00	52.18	54.00	-1.82	15.08	3.43	33.67	0.00	Average	100	360 VERTICAL
3	5220.00	121.23			83.99	3.45	33.79	0.00	Peak	100	360 VERTICAL
4	5233.60	103.36			66.08	3.46	33.82	0.00	Average	100	360 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.97	54.00	-1.03	15.87	3.43	33.67	0.00	Average	100	0	VERTICAL
2	5150.00	65.86	74.00	-8.14	28.76	3.43	33.67	0.00	Peak	100	0	VERTICAL
3	5197.00	105.41			68.20	3.45	33.76	0.00	Peak	100	0	VERTICAL
4	5233.00	89.69			52.41	3.46	33.82	0.00	Average	100	0	VERTICAL
5	5350.00	44.34	54.00	-9.66	6.82	3.49	34.03	0.00	Average	100	0	VERTICAL
6	5350.00	54.23	74.00	-19.77	16.71	3.49	34.03	0.00	Peak	100	0	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.20	72.43	74.00	-1.57	35.33	3.43	33.67	0.00	Peak	116	8 VERTICAL
2	5150.00	44.87	54.00	-9.13	7.77	3.43	33.67	0.00	Average	116	8 VERTICAL
3	5184.80	114.60			77.43	3.44	33.73	0.00	Peak	116	8 VERTICAL
4	5185.20	103.40			66.23	3.44	33.73	0.00	Average	116	8 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	46.92	54.00	-7.08	9.82	3.43	33.67	0.00	Average	115	10 VERTICAL
2	5150.00	72.80	74.00	-1.20	35.70	3.43	33.67	0.00	Peak	115	10 VERTICAL
3	5202.80	120.85			83.64	3.45	33.76	0.00	Peak	115	10 VERTICAL
4	5204.80	109.81			72.60	3.45	33.76	0.00	Average	115	10 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.00	70.13	74.00	-3.87	33.03	3.43	33.67	0.00	Peak	115	10 VERTICAL
2	5150.00	49.13	54.00	-4.87	12.03	3.43	33.67	0.00	Average	115	10 VERTICAL
3	5234.80	112.54			75.26	3.46	33.82	0.00	Average	115	10 VERTICAL
4	5241.60	124.25			86.97	3.46	33.82	0.00	Peak	115	10 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.00	72.77	74.00	-1.23	35.67	3.43	33.67	0.00	Peak	116	10 VERTICAL
2	5150.00	46.59	54.00	-7.41	9.49	3.43	33.67	0.00	Average	116	10 VERTICAL
3	5178.00	115.83			78.66	3.44	33.73	0.00	Peak	116	10 VERTICAL
4	5183.00	104.66			67.49	3.44	33.73	0.00	Average	116	10 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	48.55	54.00	-5.45	11.45	3.43	33.67	0.00	Average	116	11 VERTICAL
2	5150.00	72.90	74.00	-1.10	35.80	3.43	33.67	0.00	Peak	116	11 VERTICAL
3	5205.60	121.60			84.39	3.45	33.76	0.00	Peak	116	11 VERTICAL
4	5206.00	110.36			73.15	3.45	33.76	0.00	Average	116	11 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.00	68.94	74.00	-5.06	31.84	3.43	33.67	0.00	Peak	114	12 VERTICAL
2	5150.00	49.34	54.00	-4.66	12.24	3.43	33.67	0.00	Average	114	12 VERTICAL
3	5233.20	127.19			89.91	3.46	33.82	0.00	Peak	114	12 VERTICAL
4	5243.60	114.90			77.62	3.46	33.82	0.00	Average	114	12 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	72.93	74.00	-1.07	35.83	3.43	33.67	0.00	Peak	113	4 VERTICAL
2	5150.00	46.72	54.00	-7.28	9.62	3.43	33.67	0.00	Average	113	4 VERTICAL
3	5185.45	113.66			76.49	3.44	33.73	0.00	Peak	113	4 VERTICAL
4	5186.09	102.35			65.18	3.44	33.73	0.00	Average	113	4 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.08	72.69	74.00	-1.31	35.59	3.43	33.67	0.00	Peak	100	360 VERTICAL
2	5150.00	50.23	54.00	-3.77	13.13	3.43	33.67	0.00	Average	100	360 VERTICAL
3	5193.59	107.03			69.86	3.44	33.73	0.00	Average	100	360 VERTICAL
4	5195.19	119.32			82.11	3.45	33.76	0.00	Peak	100	360 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.76	63.16	74.00	-10.84	26.06	3.43	33.67	0.00	Peak	114	4 VERTICAL
2	5150.00	45.69	54.00	-8.31	8.59	3.43	33.67	0.00	Average	114	4 VERTICAL
3	5233.59	106.29			69.01	3.46	33.82	0.00	Average	114	4 VERTICAL
4	5236.80	117.92			80.64	3.46	33.82	0.00	Peak	114	4 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	66.35	74.00	-7.65	29.25	3.43	33.67	0.00	Peak	101	11 VERTICAL
2	5150.00	52.72	54.00	-1.28	15.62	3.43	33.67	0.00	Average	101	11 VERTICAL
3	5188.08	97.20			60.03	3.44	33.73	0.00	Average	101	11 VERTICAL
4	5195.13	108.80			71.59	3.45	33.76	0.00	Peak	101	11 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5143.27	63.54	74.00	-10.46	26.47	3.43	33.64	0.00	Peak	113	13 VERTICAL
2	5150.00	48.96	54.00	-5.04	11.86	3.43	33.67	0.00	Average	113	13 VERTICAL
3	5221.35	114.14			76.89	3.46	33.79	0.00	Peak	113	13 VERTICAL
4	5221.67	102.47			65.22	3.46	33.79	0.00	Average	113	13 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	72.58	74.00	-1.42	35.48	3.43	33.67	0.00	Peak	113	10 VERTICAL
2	5150.00	45.35	54.00	-8.65	8.25	3.43	33.67	0.00	Average	113	10 VERTICAL
3	5185.93	112.76			75.59	3.44	33.73	0.00	Peak	113	10 VERTICAL
4	5186.41	101.59			64.42	3.44	33.73	0.00	Average	113	10 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	72.93	74.00	-1.07	35.83	3.43	33.67	0.00	Peak	100	11 VERTICAL
2	5150.00	50.64	54.00	-3.36	13.54	3.43	33.67	0.00	Average	100	11 VERTICAL
3	5192.95	107.86			70.69	3.44	33.73	0.00	Average	100	11 VERTICAL
4	5194.55	118.87			81.67	3.44	33.76	0.00	Peak	100	11 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	66.26	74.00	-7.74	29.16	3.43	33.67	0.00	Peak	113	11 VERTICAL
2	5150.00	45.79	54.00	-8.21	8.69	3.43	33.67	0.00	Average	113	11 VERTICAL
3	5234.87	107.23			69.95	3.46	33.82	0.00	Average	113	11 VERTICAL
4	5236.47	117.63			80.35	3.46	33.82	0.00	Peak	113	11 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.48	54.00	-1.52	15.38	3.43	33.67	0.00	Average	114	10 VERTICAL
2	5150.00	67.09	74.00	-6.91	29.99	3.43	33.67	0.00	Peak	114	10 VERTICAL
3	5184.55	108.89			71.72	3.44	33.73	0.00	Peak	114	10 VERTICAL
4	5186.47	97.58			60.41	3.44	33.73	0.00	Average	114	10 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	48.24	54.00	-5.76	11.14	3.43	33.67	0.00	Average	111	13 VERTICAL
2	5150.00	61.23	74.00	-12.77	24.13	3.43	33.67	0.00	Peak	111	13 VERTICAL
3	5223.27	113.96			76.71	3.46	33.79	0.00	Peak	111	13 VERTICAL
4	5225.51	102.49			65.24	3.46	33.79	0.00	Average	111	13 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			
1	5150.00	52.71	54.00	-1.29	15.61	3.43	33.67	0.00	Average	116	9 VERTICAL
2	5150.00	66.55	74.00	-7.45	29.45	3.43	33.67	0.00	Peak	116	9 VERTICAL
3	5187.56	87.27			50.10	3.44	33.73	0.00	Average	116	9 VERTICAL
4	5198.78	99.90			62.69	3.45	33.76	0.00	Peak	116	9 VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5149.36	72.91	74.00	-1.09	35.81	3.43	33.67	0.00 Peak	112	5	VERTICAL
2	5150.00	43.69	54.00	-10.31	6.59	3.43	33.67	0.00 Average	112	5	VERTICAL
3	5185.13	103.06			65.89	3.44	33.73	0.00 Average	112	5	VERTICAL
4	5185.13	115.90			78.73	3.44	33.73	0.00 Peak	112	5	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5148.72	72.54	74.00	-1.46	35.44	3.43	33.67	0.00 Peak	131	350	VERTICAL
2	5150.00	44.27	54.00	-9.73	7.17	3.43	33.67	0.00 Average	131	350	VERTICAL
3	5203.21	119.73			82.52	3.45	33.76	0.00 Peak	131	350	VERTICAL
4	5204.49	107.02			69.81	3.45	33.76	0.00 Average	131	350	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5147.76	69.45	74.00	-4.55	32.35	3.43	33.67	0.00 Peak	112	349	VERTICAL
2	5150.00	45.89	54.00	-8.11	8.79	3.43	33.67	0.00 Average	112	349	VERTICAL
3	5233.27	123.69			86.41	3.46	33.82	0.00 Peak	112	349	VERTICAL
4	5233.91	111.46			74.18	3.46	33.82	0.00 Average	112	349	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.48	54.00	-1.52	15.38	3.43	33.67	0.00	Average	131	356 VERTICAL
2	5150.00	69.10	74.00	-4.90	32.00	3.43	33.67	0.00	Peak	131	356 VERTICAL
3	5193.85	112.22			75.05	3.44	33.73	0.00	Peak	131	356 VERTICAL
4	5196.09	98.09			60.88	3.45	33.76	0.00	Average	131	356 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.04	67.37	74.00	-6.63	30.27	3.43	33.67	0.00	Peak	129	350 VERTICAL
2	5150.00	52.46	54.00	-1.54	15.36	3.43	33.67	0.00	Average	129	350 VERTICAL
3	5232.24	107.84			70.56	3.46	33.82	0.00	Average	129	350 VERTICAL
4	5232.89	121.28			84.00	3.46	33.82	0.00	Peak	129	350 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	43.95	54.00	-10.05	6.85	3.43	33.67	0.00	Average	100	4	VERTICAL
2	5150.00	72.87	74.00	-1.13	35.77	3.43	33.67	0.00	Peak	100	4	VERTICAL
3	5174.55	99.05			61.91	3.44	33.70	0.00	Average	100	4	VERTICAL
4	5186.25	114.52			77.35	3.44	33.73	0.00	Peak	100	4	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.36	72.54	74.00	-1.46	35.44	3.43	33.67	0.00	Peak	112	358	VERTICAL
2	5150.00	45.17	54.00	-8.83	8.07	3.43	33.67	0.00	Average	112	358	VERTICAL
3	5202.24	119.61			82.40	3.45	33.76	0.00	Peak	112	358	VERTICAL
4	5205.77	103.19			65.98	3.45	33.76	0.00	Average	112	358	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5148.08	69.56	74.00	-4.44	32.46	3.43	33.67	0.00	Peak	126	357	VERTICAL
2	5150.00	47.34	54.00	-6.66	10.24	3.43	33.67	0.00	Average	126	357	VERTICAL
3	5238.08	122.82			85.54	3.46	33.82	0.00	Peak	126	357	VERTICAL
4	5245.13	106.85			69.57	3.46	33.82	0.00	Average	126	357	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	66.38	74.00	-7.62	29.28	3.43	33.67	0.00	Peak	100	4 VERTICAL
2	5150.00	52.87	54.00	-1.13	15.77	3.43	33.67	0.00	Average	100	4 VERTICAL
3	5184.23	110.73			73.56	3.44	33.73	0.00	Peak	100	4 VERTICAL
4	5197.37	96.10			58.89	3.45	33.76	0.00	Average	100	4 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.08	67.55	74.00	-6.45	30.45	3.43	33.67	0.00	Peak	100	6 VERTICAL
2	5150.00	52.52	54.00	-1.48	15.42	3.43	33.67	0.00	Average	100	6 VERTICAL
3	5238.97	104.48			67.20	3.46	33.82	0.00	Average	100	6 VERTICAL
4	5241.86	119.31			82.03	3.46	33.82	0.00	Peak	100	6 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.52	72.92	74.00	-1.08	35.82	3.43	33.67	0.00	Peak	113	359 VERTICAL
2	5150.00	43.88	54.00	-10.12	6.78	3.43	33.67	0.00	Average	113	359 VERTICAL
3	5186.25	115.12			77.95	3.44	33.73	0.00	Peak	113	359 VERTICAL
4	5186.57	100.23			63.06	3.44	33.73	0.00	Average	113	359 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	72.81	74.00	-1.19	35.71	3.43	33.67	0.00	Peak	114	360 VERTICAL
2	5150.00	45.31	54.00	-8.69	8.21	3.43	33.67	0.00	Average	114	360 VERTICAL
3	5197.44	117.37			80.16	3.45	33.76	0.00	Peak	114	360 VERTICAL
4	5197.76	103.35			66.14	3.45	33.76	0.00	Average	114	360 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	69.23	74.00	-4.77	32.13	3.43	33.67	0.00	Peak	123	360 VERTICAL
2	5150.00	46.18	54.00	-7.82	9.08	3.43	33.67	0.00	Average	123	360 VERTICAL
3	5246.09	122.22			84.91	3.46	33.85	0.00	Peak	123	360 VERTICAL
4	5246.73	107.75			70.44	3.46	33.85	0.00	Average	123	360 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	65.61	74.00	-8.39	28.51	3.43	33.67	0.00	Peak	100	359 VERTICAL
2	5150.00	52.58	54.00	-1.42	15.48	3.43	33.67	0.00	Average	100	359 VERTICAL
3	5191.28	111.14			73.97	3.44	33.73	0.00	Peak	100	359 VERTICAL
4	5191.92	97.14			59.97	3.44	33.73	0.00	Average	100	359 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.58	54.00	-1.42	15.48	3.43	33.67	0.00	Average	126	360 VERTICAL
2	5150.00	67.03	74.00	-6.97	29.93	3.43	33.67	0.00	Peak	126	360 VERTICAL
3	5231.92	105.85			68.57	3.46	33.82	0.00	Average	126	360 VERTICAL
4	5231.92	120.64			83.36	3.46	33.82	0.00	Peak	126	360 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.38	54.00	-1.62	15.28	3.43	33.67	0.00	Average	112	2	VERTICAL
2	5150.00	67.80	74.00	-6.20	30.70	3.43	33.67	0.00	Peak	112	2	VERTICAL
3	5211.60	100.26			63.02	3.45	33.79	0.00	Peak	112	2	VERTICAL
4	5230.03	88.17			50.89	3.46	33.82	0.00	Average	112	2	VERTICAL
5	5350.00	39.30	54.00	-14.70	1.78	3.49	34.03	0.00	Average	112	2	VERTICAL
6	5350.00	49.90	74.00	-24.10	12.38	3.49	34.03	0.00	Peak	112	2	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.60	72.66	74.00	-1.34	35.56	3.43	33.67	0.00	Peak	100	5 VERTICAL
2	5150.00	43.69	54.00	-10.31	6.59	3.43	33.67	0.00	Average	100	5 VERTICAL
3	5174.55	114.88			77.74	3.44	33.70	0.00	Peak	100	5 VERTICAL
4	5186.57	102.00			64.83	3.44	33.73	0.00	Average	100	5 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5145.51	72.94	74.00	-1.06	35.84	3.43	33.67	0.00	Peak	100	4 VERTICAL
2	5150.00	45.34	54.00	-8.66	8.24	3.43	33.67	0.00	Average	100	4 VERTICAL
3	5203.85	118.28			81.07	3.45	33.76	0.00	Peak	100	4 VERTICAL
4	5206.73	106.43			69.22	3.45	33.76	0.00	Average	100	4 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	68.76	74.00	-5.24	31.66	3.43	33.67	0.00	Peak	110	1 VERTICAL
2	5150.00	45.70	54.00	-8.30	8.60	3.43	33.67	0.00	Average	110	1 VERTICAL
3	5232.31	123.13			85.85	3.46	33.82	0.00	Peak	110	1 VERTICAL
4	5233.27	110.57			73.29	3.46	33.82	0.00	Average	110	1 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.54	54.00	-1.46	15.44	3.43	33.67	0.00	Average	100	4 VERTICAL
2	5150.00	66.62	74.00	-7.38	29.52	3.43	33.67	0.00	Peak	100	4 VERTICAL
3	5185.51	111.66			74.49	3.44	33.73	0.00	Peak	100	4 VERTICAL
4	5186.47	97.10			59.93	3.44	33.73	0.00	Average	100	4 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.47	68.75	74.00	-5.25	31.65	3.43	33.67	0.00	Peak	100	4 VERTICAL
2	5150.00	52.93	54.00	-1.07	15.83	3.43	33.67	0.00	Average	100	4 VERTICAL
3	5226.47	105.37			68.12	3.46	33.79	0.00	Average	100	4 VERTICAL
4	5234.17	119.27			81.99	3.46	33.82	0.00	Peak	100	4 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.31	54.00	-1.69	15.21	3.43	33.67	0.00	Average	110	360	VERTICAL
2	5150.00	64.92	74.00	-9.08	27.82	3.43	33.67	0.00	Peak	110	360	VERTICAL
3	5217.21	103.49			66.25	3.45	33.79	0.00	Peak	110	360	VERTICAL
4	5233.24	87.71			50.43	3.46	33.82	0.00	Average	110	360	VERTICAL
5	5350.00	41.84	54.00	-12.16	4.32	3.49	34.03	0.00	Average	110	360	VERTICAL
6	5350.00	52.82	74.00	-21.18	15.30	3.49	34.03	0.00	Peak	110	360	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5147.76	72.62	74.00	-1.38	35.52	3.43	33.67	0.00	Peak	100	0 VERTICAL
2	5150.00	44.23	74.00	-29.77	7.13	3.43	33.67	0.00	Peak	100	0 VERTICAL
3	5172.95	116.07			78.93	3.44	33.70	0.00	Peak	100	0 VERTICAL
4	5173.59	103.84			66.70	3.44	33.70	0.00	Peak	100	0 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5150.00	45.98	54.00	-8.02	8.88	3.43	33.67	0.00	Average	132	351 VERTICAL
2	5150.00	72.82	74.00	-1.18	35.72	3.43	33.67	0.00	Peak	132	351 VERTICAL
3	5207.05	109.48			72.27	3.45	33.76	0.00	Average	132	351 VERTICAL
4	5207.69	121.84			84.63	3.45	33.76	0.00	Peak	132	351 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5147.44	46.76	54.00	-7.24	9.66	3.43	33.67	0.00	Average	124	1 VERTICAL
2	5147.76	71.56	74.00	-2.44	34.46	3.43	33.67	0.00	Peak	124	1 VERTICAL
3	5233.27	112.78			75.50	3.46	33.82	0.00	Average	124	1 VERTICAL
4	5233.59	124.62			87.34	3.46	33.82	0.00	Peak	124	1 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.65	54.00	-1.35	15.55	3.43	33.67	0.00	Average	129	1	VERTICAL
2	5150.00	68.26	74.00	-5.74	31.16	3.43	33.67	0.00	Peak	129	1	VERTICAL
3	5187.76	113.40			76.23	3.44	33.73	0.00	Peak	129	1	VERTICAL
4	5188.08	99.74			62.57	3.44	33.73	0.00	Average	129	1	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.36	52.68	54.00	-1.32	15.58	3.43	33.67	0.00	Average	100	350	VERTICAL
2	5149.68	66.04	74.00	-7.96	28.94	3.43	33.67	0.00	Peak	100	350	VERTICAL
3	5227.12	107.53			70.28	3.46	33.79	0.00	Average	100	350	VERTICAL
4	5228.08	121.38			84.13	3.46	33.79	0.00	Peak	100	350	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5149.20	72.77	74.00	-1.23	35.67	3.43	33.67	0.00	Peak	100	1 VERTICAL
2	5150.00	44.56	54.00	-9.44	7.46	3.43	33.67	0.00	Average	100	1 VERTICAL
3	5172.63	101.90			64.76	3.44	33.70	0.00	Average	100	1 VERTICAL
4	5182.40	115.08			77.91	3.44	33.73	0.00	Peak	100	1 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5143.27	72.75	74.00	-1.25	35.68	3.43	33.64	0.00	Peak	133	-1 VERTICAL
2	5150.00	46.79	54.00	-7.21	9.69	3.43	33.67	0.00	Average	133	-1 VERTICAL
3	5202.56	107.36			70.15	3.45	33.76	0.00	Average	133	-1 VERTICAL
4	5202.56	120.67			83.46	3.45	33.76	0.00	Peak	133	-1 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5143.91	67.74	74.00	-6.26	30.64	3.43	33.67	0.00	Peak	128	0 VERTICAL
2	5150.00	46.65	54.00	-7.35	9.55	3.43	33.67	0.00	Average	128	0 VERTICAL
3	5232.63	110.67			73.39	3.46	33.82	0.00	Average	128	0 VERTICAL
4	5235.51	123.63			86.35	3.46	33.82	0.00	Peak	128	0 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.56	54.00	-1.44	15.46	3.43	33.67	0.00	Average	100	0	VERTICAL
2	5150.00	65.95	74.00	-8.05	28.85	3.43	33.67	0.00	Peak	100	0	VERTICAL
3	5178.14	111.79			74.62	3.44	33.73	0.00	Peak	100	0	VERTICAL
4	5180.71	97.51			60.34	3.44	33.73	0.00	Average	100	0	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.68	66.97	74.00	-7.03	29.87	3.43	33.67	0.00	Peak	132	5	VERTICAL
2	5150.00	52.88	54.00	-1.12	15.78	3.43	33.67	0.00	Average	132	5	VERTICAL
3	5226.47	106.47			69.22	3.46	33.79	0.00	Average	132	5	VERTICAL
4	5233.21	120.54			83.26	3.46	33.82	0.00	Peak	132	5	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS16 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5146.64	72.90	74.00	-1.10	35.80	3.43	33.67	0.00 Peak	100	0	VERTICAL
2	5150.00	43.55	54.00	-10.45	6.45	3.43	33.67	0.00 Average	100	0	VERTICAL
3	5176.31	99.64			62.50	3.44	33.70	0.00 Average	100	0	VERTICAL
4	5182.24	114.51			77.34	3.44	33.73	0.00 Peak	100	0	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5145.83	72.37	74.00	-1.63	35.27	3.43	33.67	0.00 Peak	100	5	VERTICAL
2	5150.00	45.45	54.00	-8.55	8.35	3.43	33.67	0.00 Average	100	5	VERTICAL
3	5195.51	120.56			83.35	3.45	33.76	0.00 Peak	100	5	VERTICAL
4	5206.09	104.48			67.27	3.45	33.76	0.00 Average	100	5	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5141.99	70.01	74.00	-3.99	32.94	3.43	33.64	0.00 Peak	128	6	VERTICAL
2	5150.00	46.74	54.00	-7.26	9.64	3.43	33.67	0.00 Average	128	6	VERTICAL
3	5239.04	124.30			87.02	3.46	33.82	0.00 Peak	128	6	VERTICAL
4	5245.13	109.11			71.83	3.46	33.82	0.00 Average	128	6	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS16 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.80	54.00	-1.20	15.70	3.43	33.67	0.00	Average	100	4	VERTICAL
2	5150.00	66.50	74.00	-7.50	29.40	3.43	33.67	0.00	Peak	100	4	VERTICAL
3	5193.60	96.07			58.90	3.44	33.73	0.00	Average	100	4	VERTICAL
4	5202.40	112.73			75.52	3.45	33.76	0.00	Peak	100	4	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5144.00	66.57	74.00	-7.43	29.47	3.43	33.67	0.00	Peak	129	6	VERTICAL
2	5150.00	52.47	54.00	-1.53	15.37	3.43	33.67	0.00	Average	129	6	VERTICAL
3	5233.60	104.55			67.27	3.46	33.82	0.00	Average	129	6	VERTICAL
4	5235.60	120.72			83.44	3.46	33.82	0.00	Peak	129	6	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5143.59	72.56	74.00	-1.44	35.46	3.43	33.67	0.00	Peak	100	3 VERTICAL
2	5150.00	43.93	54.00	-10.07	6.83	3.43	33.67	0.00	Average	100	3 VERTICAL
3	5187.37	102.20			65.03	3.44	33.73	0.00	Average	100	3 VERTICAL
4	5187.53	114.51			77.34	3.44	33.73	0.00	Peak	100	3 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	72.69	74.00	-1.31	35.59	3.43	33.67	0.00	Peak	114	0 VERTICAL
2	5149.68	46.19	54.00	-7.81	9.09	3.43	33.67	0.00	Average	114	0 VERTICAL
3	5192.95	120.21			83.04	3.44	33.73	0.00	Peak	114	0 VERTICAL
4	5193.59	108.09			70.92	3.44	33.73	0.00	Average	114	0 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.44	68.15	74.00	-5.85	31.05	3.43	33.67	0.00	Peak	126	351 VERTICAL
2	5150.00	46.15	54.00	-7.85	9.05	3.43	33.67	0.00	Average	126	351 VERTICAL
3	5242.24	113.23			75.95	3.46	33.82	0.00	Average	126	351 VERTICAL
4	5242.89	124.48			87.20	3.46	33.82	0.00	Peak	126	351 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5149.68	66.09	74.00	-7.91	28.99	3.43	33.67	0.00	Peak	131	350 VERTICAL
2	5150.00	52.60	54.00	-1.40	15.50	3.43	33.67	0.00	Average	131	350 VERTICAL
3	5192.24	99.20			62.03	3.44	33.73	0.00	Average	131	350 VERTICAL
4	5192.24	112.78			75.61	3.44	33.73	0.00	Peak	131	350 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5149.04	66.70	74.00	-7.30	29.60	3.43	33.67	0.00	Peak	132	1 VERTICAL
2	5150.00	52.99	54.00	-1.01	15.89	3.43	33.67	0.00	Average	132	1 VERTICAL
3	5228.08	122.72			85.47	3.46	33.79	0.00	Peak	132	1 VERTICAL
4	5228.40	108.19			70.94	3.46	33.79	0.00	Average	132	1 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.20	67.71	74.00	-6.29	30.61	3.43	33.67	0.00	Peak	129	2	VERTICAL
2	5150.00	52.99	54.00	-1.01	15.89	3.43	33.67	0.00	Average	129	2	VERTICAL
3	5199.58	103.37			66.16	3.45	33.76	0.00	Peak	129	2	VERTICAL
4	5229.23	90.44			53.16	3.46	33.82	0.00	Average	129	2	VERTICAL
5	5350.00	40.42	54.00	-13.58	2.90	3.49	34.03	0.00	Average	129	2	VERTICAL
6	5350.00	51.97	74.00	-22.03	14.45	3.49	34.03	0.00	Peak	129	2	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5146.96	72.42	74.00	-1.58	35.32	3.43	33.67	0.00	Peak	100	0 VERTICAL
2	5150.00	44.39	54.00	-9.61	7.29	3.43	33.67	0.00	Average	100	0 VERTICAL
3	5173.43	102.72			65.58	3.44	33.70	0.00	Average	100	0 VERTICAL
4	5173.75	115.53			78.39	3.44	33.70	0.00	Peak	100	0 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5147.44	72.99	74.00	-1.01	35.89	3.43	33.67	0.00	Peak	131	0 VERTICAL
2	5150.00	46.93	54.00	-7.07	9.83	3.43	33.67	0.00	Average	131	0 VERTICAL
3	5193.59	108.74			71.57	3.44	33.73	0.00	Average	131	0 VERTICAL
4	5194.55	121.10			83.90	3.44	33.76	0.00	Peak	131	0 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5148.08	69.26	74.00	-4.74	32.16	3.43	33.67	0.00	Peak	112	0 VERTICAL
2	5150.00	46.76	54.00	-7.24	9.66	3.43	33.67	0.00	Average	112	0 VERTICAL
3	5242.24	111.48			74.20	3.46	33.82	0.00	Average	112	0 VERTICAL
4	5242.56	123.26			85.98	3.46	33.82	0.00	Peak	112	0 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5150.00	52.61	54.00	-1.39	15.51	3.43	33.67	0.00	Average	100	0 VERTICAL
2	5150.00	66.56	74.00	-7.44	29.46	3.43	33.67	0.00	Peak	100	0 VERTICAL
3	5181.35	112.80			75.63	3.44	33.73	0.00	Peak	100	0 VERTICAL
4	5181.99	97.77			60.60	3.44	33.73	0.00	Average	100	0 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5149.36	68.50	74.00	-5.50	31.40	3.43	33.67	0.00	Peak	100	0 VERTICAL
2	5150.00	52.56	54.00	-1.44	15.46	3.43	33.67	0.00	Average	100	0 VERTICAL
3	5225.83	120.07			82.82	3.46	33.79	0.00	Peak	100	0 VERTICAL
4	5228.08	105.68			68.43	3.46	33.79	0.00	Average	100	0 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.20	66.49	74.00	-7.51	29.39	3.43	33.67	0.00	Peak	100	0	VERTICAL
2	5150.00	52.68	54.00	-1.32	15.58	3.43	33.67	0.00	Average	100	0	VERTICAL
3	5197.18	103.36			66.15	3.45	33.76	0.00	Peak	100	0	VERTICAL
4	5222.02	86.51			49.26	3.46	33.79	0.00	Average	100	0	VERTICAL
5	5350.00	40.66	54.00	-13.34	3.14	3.49	34.03	0.00	Average	100	0	VERTICAL
6	5350.00	52.53	74.00	-21.47	15.01	3.49	34.03	0.00	Peak	100	0	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.52	72.64	74.00	-1.36	35.54	3.43	33.67	0.00	Peak	100	3 VERTICAL
2	5150.00	42.80	54.00	-11.20	5.70	3.43	33.67	0.00	Average	100	3 VERTICAL
3	5174.23	113.90			76.76	3.44	33.70	0.00	Peak	100	3 VERTICAL
4	5186.57	100.03			62.86	3.44	33.73	0.00	Average	100	3 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5145.19	72.49	74.00	-1.51	35.39	3.43	33.67	0.00	Peak	100	1 VERTICAL
2	5150.00	45.45	54.00	-8.55	8.35	3.43	33.67	0.00	Average	100	1 VERTICAL
3	5198.08	121.70			84.49	3.45	33.76	0.00	Peak	100	1 VERTICAL
4	5201.92	106.50			69.29	3.45	33.76	0.00	Average	100	1 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.76	69.59	74.00	-4.41	32.49	3.43	33.67	0.00	Peak	115	355 VERTICAL
2	5150.00	45.95	54.00	-8.05	8.85	3.43	33.67	0.00	Average	115	355 VERTICAL
3	5235.51	124.01			86.73	3.46	33.82	0.00	Peak	115	355 VERTICAL
4	5237.76	111.03			73.75	3.46	33.82	0.00	Average	115	355 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.77	54.00	-1.23	15.67	3.43	33.67	0.00	Average	123	360	VERTICAL
2	5150.00	65.95	74.00	-8.05	28.85	3.43	33.67	0.00	Peak	123	360	VERTICAL
3	5186.47	98.36			61.19	3.44	33.73	0.00	Average	123	360	VERTICAL
4	5196.09	112.49			75.28	3.45	33.76	0.00	Peak	123	360	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.04	70.04	74.00	-3.96	32.94	3.43	33.67	0.00	Peak	125	8	VERTICAL
2	5150.00	52.88	54.00	-1.12	15.78	3.43	33.67	0.00	Average	125	8	VERTICAL
3	5221.99	105.96			68.71	3.46	33.79	0.00	Average	125	8	VERTICAL
4	5222.63	120.00			82.75	3.46	33.79	0.00	Peak	125	8	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.69	54.00	-1.31	15.59	3.43	33.67	0.00	Average	124	6	VERTICAL
2	5150.00	66.95	74.00	-7.05	29.85	3.43	33.67	0.00	Peak	124	6	VERTICAL
3	5235.64	105.05			67.77	3.46	33.82	0.00	Peak	124	6	VERTICAL
4	5242.05	87.45			50.17	3.46	33.82	0.00	Average	124	6	VERTICAL
5	5350.00	42.53	54.00	-11.47	5.01	3.49	34.03	0.00	Average	124	6	VERTICAL
6	5350.00	54.10	74.00	-19.90	16.58	3.49	34.03	0.00	Peak	124	6	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.56	72.85	74.00	-1.15	35.75	3.43	33.67	0.00	Peak	100	3 VERTICAL
2	5150.00	45.93	54.00	-8.07	8.83	3.43	33.67	0.00	Average	100	3 VERTICAL
3	5183.85	114.09			76.92	3.44	33.73	0.00	Peak	100	3 VERTICAL
4	5186.09	102.81			65.64	3.44	33.73	0.00	Average	100	3 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5144.87	72.90	74.00	-1.10	35.80	3.43	33.67	0.00	Peak	101	360 VERTICAL
2	5150.00	49.67	54.00	-4.33	12.57	3.43	33.67	0.00	Average	101	360 VERTICAL
3	5193.59	107.05			69.88	3.44	33.73	0.00	Average	101	360 VERTICAL
4	5203.85	118.59			81.38	3.45	33.76	0.00	Peak	101	360 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5142.63	62.49	74.00	-11.51	25.42	3.43	33.64	0.00	Peak	111	4 VERTICAL
2	5150.00	44.71	54.00	-9.29	7.61	3.43	33.67	0.00	Average	111	4 VERTICAL
3	5234.55	106.86			69.58	3.46	33.82	0.00	Average	111	4 VERTICAL
4	5245.13	118.21			80.93	3.46	33.82	0.00	Peak	111	4 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.52	73.00	74.00	-1.00	35.90	3.43	33.67	0.00	Peak	100	3 VERTICAL
2	5150.00	44.80	54.00	-9.20	7.70	3.43	33.67	0.00	Average	100	3 VERTICAL
3	5175.51	103.72			66.58	3.44	33.70	0.00	Average	100	3 VERTICAL
4	5185.45	115.55			78.38	3.44	33.73	0.00	Peak	100	3 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.08	72.63	74.00	-1.37	35.53	3.43	33.67	0.00	Peak	111	4 VERTICAL
2	5149.68	45.04	54.00	-8.96	7.94	3.43	33.67	0.00	Average	111	4 VERTICAL
3	5198.40	119.45			82.24	3.45	33.76	0.00	Peak	111	4 VERTICAL
4	5203.53	107.10			69.89	3.45	33.76	0.00	Average	111	4 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	68.70	74.00	-5.30	31.60	3.43	33.67	0.00	Peak	110	5 VERTICAL
2	5150.00	45.36	54.00	-8.64	8.26	3.43	33.67	0.00	Average	110	5 VERTICAL
3	5233.59	123.82			86.54	3.46	33.82	0.00	Peak	110	5 VERTICAL
4	5243.58	111.88			74.60	3.46	33.82	0.00	Average	110	5 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5138.30	44.79	54.00	-9.21	7.72	3.43	33.64	0.00	Average	101	348 VERTICAL
2	5150.00	72.55	74.00	-1.45	35.45	3.43	33.67	0.00	Peak	101	348 VERTICAL
3	5182.40	116.36			79.19	3.44	33.73	0.00	Peak	101	348 VERTICAL
4	5182.56	104.33			67.16	3.44	33.73	0.00	Average	101	348 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	72.69	74.00	-1.31	35.59	3.43	33.67	0.00	Peak	100	360 VERTICAL
2	5150.00	47.23	54.00	-6.77	10.13	3.43	33.67	0.00	Average	100	360 VERTICAL
3	5195.83	109.95			72.74	3.45	33.76	0.00	Average	100	360 VERTICAL
4	5206.09	122.10			84.89	3.45	33.76	0.00	Peak	100	360 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5145.83	70.43	74.00	-3.57	33.33	3.43	33.67	0.00	Peak	100	0 VERTICAL
2	5150.00	47.18	54.00	-6.82	10.08	3.43	33.67	0.00	Average	100	0 VERTICAL
3	5241.28	113.28			76.00	3.46	33.82	0.00	Average	100	0 VERTICAL
4	5241.28	124.21			86.93	3.46	33.82	0.00	Peak	100	0 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5148.72	72.56	74.00	-1.44	35.46	3.43	33.67	0.00	Peak	152	220	HORIZONTAL
2	5150.00	51.08	54.00	-2.92	13.98	3.43	33.67	0.00	Average	152	220	HORIZONTAL
3	5174.39	113.24			76.10	3.44	33.70	0.00	Peak	152	220	HORIZONTAL
4	5186.25	101.81			64.64	3.44	33.73	0.00	Average	152	220	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5146.80	66.18	74.00	-7.82	29.08	3.43	33.67	0.00	Peak	168	221	HORIZONTAL
2	5150.00	47.81	54.00	-6.19	10.71	3.43	33.67	0.00	Average	168	221	HORIZONTAL
3	5193.91	102.53			65.36	3.44	33.73	0.00	Average	168	221	HORIZONTAL
4	5195.51	114.16			76.95	3.45	33.76	0.00	Peak	168	221	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5145.83	60.52	74.00	-13.48	23.42	3.43	33.67	0.00	Peak	180	131	HORIZONTAL
2	5150.00	43.06	54.00	-10.94	5.96	3.43	33.67	0.00	Average	180	131	HORIZONTAL
3	5234.55	103.90			66.62	3.46	33.82	0.00	Average	180	131	HORIZONTAL
4	5235.19	114.74			77.46	3.46	33.82	0.00	Peak	180	131	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.08	65.87	74.00	-8.13	28.77	3.43	33.67	0.00	Peak	152	216 HORIZONTAL
2	5150.00	52.45	54.00	-1.55	15.35	3.43	33.67	0.00	Average	152	216 HORIZONTAL
3	5202.50	106.64			69.43	3.45	33.76	0.00	Peak	152	216 HORIZONTAL
4	5202.82	95.03			57.82	3.45	33.76	0.00	Average	152	216 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	47.10	54.00	-6.90	10.00	3.43	33.67	0.00	Average	155	225 HORIZONTAL
2	5150.00	59.46	74.00	-14.54	22.36	3.43	33.67	0.00	Peak	155	225 HORIZONTAL
3	5217.50	98.95			61.71	3.45	33.79	0.00	Average	155	225 HORIZONTAL
4	5218.14	111.02			73.78	3.45	33.79	0.00	Peak	155	225 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	72.60	74.00	-1.40	35.50	3.43	33.67	0.00	Peak	160	211 HORIZONTAL
2	5150.00	51.38	54.00	-2.62	14.28	3.43	33.67	0.00	Average	160	211 HORIZONTAL
3	5186.25	101.66			64.49	3.44	33.73	0.00	Average	160	211 HORIZONTAL
4	5187.21	112.78			75.61	3.44	33.73	0.00	Peak	160	211 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.76	68.06	74.00	-5.94	30.96	3.43	33.67	0.00	Peak	153	226 HORIZONTAL
2	5150.00	47.40	54.00	-6.60	10.30	3.43	33.67	0.00	Average	153	226 HORIZONTAL
3	5203.85	114.09			76.88	3.45	33.76	0.00	Peak	153	226 HORIZONTAL
4	5205.45	102.72			65.51	3.45	33.76	0.00	Average	153	226 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.08	61.14	74.00	-12.86	24.04	3.43	33.67	0.00	Peak	152	228 HORIZONTAL
2	5150.00	42.97	54.00	-11.03	5.87	3.43	33.67	0.00	Average	152	228 HORIZONTAL
3	5244.81	103.99			66.71	3.46	33.82	0.00	Average	152	228 HORIZONTAL
4	5244.81	115.40			78.12	3.46	33.82	0.00	Peak	152	228 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	66.51	74.00	-7.49	29.41	3.43	33.67	0.00	Peak	175	215 HORIZONTAL
2	5150.00	52.90	54.00	-1.10	15.80	3.43	33.67	0.00	Average	175	215 HORIZONTAL
3	5181.35	94.63			57.46	3.44	33.73	0.00	Average	175	215 HORIZONTAL
4	5183.27	106.80			69.63	3.44	33.73	0.00	Peak	175	215 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	46.40	54.00	-7.60	9.30	3.43	33.67	0.00	Average	166	211 HORIZONTAL
2	5150.00	58.28	74.00	-15.72	21.18	3.43	33.67	0.00	Peak	166	211 HORIZONTAL
3	5226.15	98.68			61.43	3.46	33.79	0.00	Average	166	211 HORIZONTAL
4	5226.15	110.32			73.07	3.46	33.79	0.00	Peak	166	211 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.44	54.00	-1.56	15.34	3.43	33.67	0.00	Average	150	230	HORIZONTAL
2	5150.00	66.28	74.00	-7.72	29.18	3.43	33.67	0.00	Peak	150	230	HORIZONTAL
3	5198.78	100.85			63.64	3.45	33.76	0.00	Peak	150	230	HORIZONTAL
4	5210.00	91.39			54.18	3.45	33.76	0.00	Average	150	230	HORIZONTAL
5	5350.00	39.64	54.00	-14.36	2.12	3.49	34.03	0.00	Average	150	230	HORIZONTAL
6	5354.81	52.45	74.00	-21.55	14.93	3.49	34.03	0.00	Peak	150	230	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5143.75	72.56	74.00	-1.44	35.46	3.43	33.67	0.00	Peak	153	133 HORIZONTAL
2	5150.00	44.71	54.00	-9.29	7.61	3.43	33.67	0.00	Average	153	133 HORIZONTAL
3	5173.11	103.09			65.95	3.44	33.70	0.00	Average	153	133 HORIZONTAL
4	5173.59	114.28			77.14	3.44	33.70	0.00	Peak	153	133 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.44	72.99	74.00	-1.01	35.89	3.43	33.67	0.00	Peak	156	217 HORIZONTAL
2	5150.00	48.34	54.00	-5.66	11.24	3.43	33.67	0.00	Average	156	217 HORIZONTAL
3	5196.80	119.61			82.40	3.45	33.76	0.00	Peak	156	217 HORIZONTAL
4	5197.76	108.13			70.92	3.45	33.76	0.00	Average	156	217 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.04	66.06	74.00	-7.94	28.96	3.43	33.67	0.00	Peak	155	212 HORIZONTAL
2	5150.00	43.15	54.00	-10.85	6.05	3.43	33.67	0.00	Average	155	212 HORIZONTAL
3	5243.53	109.00			71.72	3.46	33.82	0.00	Average	155	212 HORIZONTAL
4	5243.85	120.45			83.17	3.46	33.82	0.00	Peak	155	212 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	66.67	74.00	-7.33	29.57	3.43	33.67	0.00	Peak	154	216 HORIZONTAL
2	5150.00	52.44	54.00	-1.56	15.34	3.43	33.67	0.00	Average	154	216 HORIZONTAL
3	5187.76	97.48			60.31	3.44	33.73	0.00	Average	154	216 HORIZONTAL
4	5187.76	109.30			72.13	3.44	33.73	0.00	Peak	154	216 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	60.99	74.00	-13.01	23.89	3.43	33.67	0.00	Peak	163	221 HORIZONTAL
2	5150.00	48.15	54.00	-5.85	11.05	3.43	33.67	0.00	Average	163	221 HORIZONTAL
3	5227.44	114.92			77.67	3.46	33.79	0.00	Peak	163	221 HORIZONTAL
4	5228.40	103.42			66.17	3.46	33.79	0.00	Average	163	221 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.84	73.00	74.00	-1.00	35.90	3.43	33.67	0.00	Peak	158	131 HORIZONTAL
2	5150.00	44.33	54.00	-9.67	7.23	3.43	33.67	0.00	Average	158	131 HORIZONTAL
3	5174.23	100.93			63.79	3.44	33.70	0.00	Average	158	131 HORIZONTAL
4	5174.25	114.02			76.88	3.44	33.70	0.00	Peak	158	131 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	72.91	74.00	-1.09	35.81	3.43	33.67	0.00	Peak	154	217 HORIZONTAL
2	5150.00	49.37	54.00	-4.63	12.27	3.43	33.67	0.00	Average	154	217 HORIZONTAL
3	5202.24	119.22			82.01	3.45	33.76	0.00	Peak	154	217 HORIZONTAL
4	5205.45	106.09			68.88	3.45	33.76	0.00	Average	154	217 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.04	69.82	74.00	-4.18	32.72	3.43	33.67	0.00	Peak	156	215 HORIZONTAL
2	5150.00	43.73	54.00	-10.27	6.63	3.43	33.67	0.00	Average	156	215 HORIZONTAL
3	5233.91	106.67			69.39	3.46	33.82	0.00	Average	156	215 HORIZONTAL
4	5235.51	118.34			81.06	3.46	33.82	0.00	Peak	156	215 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	68.43	74.00	-5.57	31.33	3.43	33.67	0.00	Peak	159	211 HORIZONTAL
2	5150.00	52.58	54.00	-1.42	15.48	3.43	33.67	0.00	Average	159	211 HORIZONTAL
3	5184.55	109.30			72.13	3.44	33.73	0.00	Peak	159	211 HORIZONTAL
4	5187.44	95.52			58.35	3.44	33.73	0.00	Average	159	211 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	59.87	74.00	-14.13	22.77	3.43	33.67	0.00	Peak	168	215 HORIZONTAL
2	5150.00	47.54	54.00	-6.46	10.44	3.43	33.67	0.00	Average	168	215 HORIZONTAL
3	5219.74	114.91			77.67	3.45	33.79	0.00	Peak	168	215 HORIZONTAL
4	5225.19	100.45			63.20	3.46	33.79	0.00	Average	168	215 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	72.84	74.00	-1.16	35.74	3.43	33.67	0.00	Peak	169	133 HORIZONTAL
2	5150.00	44.08	54.00	-9.92	6.98	3.43	33.67	0.00	Average	169	133 HORIZONTAL
3	5173.59	102.67			65.53	3.44	33.70	0.00	Average	169	133 HORIZONTAL
4	5173.75	113.56			76.42	3.44	33.70	0.00	Peak	169	133 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.44	48.74	54.00	-5.26	11.64	3.43	33.67	0.00	Average	155	217 HORIZONTAL
2	5150.00	72.58	74.00	-1.42	35.48	3.43	33.67	0.00	Peak	155	217 HORIZONTAL
3	5206.73	108.24			71.03	3.45	33.76	0.00	Average	155	217 HORIZONTAL
4	5207.05	118.84			81.63	3.45	33.76	0.00	Peak	155	217 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	64.23	74.00	-9.77	27.13	3.43	33.67	0.00	Peak	166	217 HORIZONTAL
2	5150.00	43.17	54.00	-10.83	6.07	3.43	33.67	0.00	Average	166	217 HORIZONTAL
3	5245.77	119.46			82.15	3.46	33.85	0.00	Peak	166	217 HORIZONTAL
4	5246.09	108.27			70.96	3.46	33.85	0.00	Average	166	217 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.73	54.00	-1.27	15.63	3.43	33.67	0.00	Average	161	135 HORIZONTAL
2	5150.00	65.75	74.00	-8.25	28.65	3.43	33.67	0.00	Peak	161	135 HORIZONTAL
3	5192.56	99.97			62.80	3.44	33.73	0.00	Average	161	135 HORIZONTAL
4	5193.21	111.26			74.09	3.44	33.73	0.00	Peak	161	135 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	48.49	54.00	-5.51	11.39	3.43	33.67	0.00	Average	173	214 HORIZONTAL
2	5150.00	59.22	74.00	-14.78	22.12	3.43	33.67	0.00	Peak	173	214 HORIZONTAL
3	5223.91	115.77			78.52	3.46	33.79	0.00	Peak	173	214 HORIZONTAL
4	5225.19	104.22			66.97	3.46	33.79	0.00	Average	173	214 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.64	54.00	-1.36	15.54	3.43	33.67	0.00	Average	169	222	HORIZONTAL
2	5150.00	66.34	74.00	-7.66	29.24	3.43	33.67	0.00	Peak	169	222	HORIZONTAL
3	5228.43	101.31			64.06	3.46	33.79	0.00	Peak	169	222	HORIZONTAL
4	5231.64	87.81			50.53	3.46	33.82	0.00	Average	169	222	HORIZONTAL
5	5350.00	39.96	54.00	-14.04	2.44	3.49	34.03	0.00	Average	169	222	HORIZONTAL
6	5350.00	51.04	74.00	-22.96	13.52	3.49	34.03	0.00	Peak	169	222	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.52	72.51	74.00	-1.49	35.41	3.43	33.67	0.00	Peak	156	209 HORIZONTAL
2	5150.00	43.61	54.00	-10.39	6.51	3.43	33.67	0.00	Average	156	209 HORIZONTAL
3	5177.92	101.43			64.26	3.44	33.73	0.00	Average	156	209 HORIZONTAL
4	5178.08	113.87			76.70	3.44	33.73	0.00	Peak	156	209 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	49.56	54.00	-4.44	12.46	3.43	33.67	0.00	Average	174	214 HORIZONTAL
2	5150.00	72.94	74.00	-1.06	35.84	3.43	33.67	0.00	Peak	174	214 HORIZONTAL
3	5202.24	117.71			80.50	3.45	33.76	0.00	Peak	174	214 HORIZONTAL
4	5206.41	106.77			69.56	3.45	33.76	0.00	Average	174	214 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5144.55	65.17	74.00	-8.83	28.07	3.43	33.67	0.00	Peak	171	220 HORIZONTAL
2	5150.00	43.56	54.00	-10.44	6.46	3.43	33.67	0.00	Average	171	220 HORIZONTAL
3	5242.24	107.08			69.80	3.46	33.82	0.00	Average	171	220 HORIZONTAL
4	5242.56	118.25			80.97	3.46	33.82	0.00	Peak	171	220 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.91	54.00	-1.09	15.81	3.43	33.67	0.00	Average	160	211 HORIZONTAL
2	5150.00	66.25	74.00	-7.75	29.15	3.43	33.67	0.00	Peak	160	211 HORIZONTAL
3	5196.09	110.82			73.61	3.45	33.76	0.00	Peak	160	211 HORIZONTAL
4	5197.69	97.13			59.92	3.45	33.76	0.00	Average	160	211 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	60.26	74.00	-13.74	23.16	3.43	33.67	0.00	Peak	150	224 HORIZONTAL
2	5150.00	47.81	54.00	-6.19	10.71	3.43	33.67	0.00	Average	150	224 HORIZONTAL
3	5225.83	115.67			78.42	3.46	33.79	0.00	Peak	150	224 HORIZONTAL
4	5246.67	101.75			64.44	3.46	33.85	0.00	Average	150	224 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.20	66.67	54.00	12.67	29.57	3.43	33.67	0.00	Average	162	210	HORIZONTAL
2	5150.00	52.84	54.00	-1.16	15.74	3.43	33.67	0.00	Average	162	210	HORIZONTAL
3	5210.00	88.54			51.33	3.45	33.76	0.00	Average	162	210	HORIZONTAL
4	5237.24	103.03			65.75	3.46	33.82	0.00	Average	162	210	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5147.12	72.99	74.00	-1.01	35.89	3.43	33.67	0.00	Peak	153	139	HORIZONTAL
2	5150.00	43.52	54.00	-10.48	6.42	3.43	33.67	0.00	Average	153	139	HORIZONTAL
3	5172.63	103.29			66.15	3.44	33.70	0.00	Average	153	139	HORIZONTAL
4	5172.63	114.99			77.85	3.44	33.70	0.00	Peak	153	139	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.68	45.94	54.00	-8.06	8.84	3.43	33.67	0.00	Average	176	138	HORIZONTAL
2	5149.68	72.37	74.00	-1.63	35.27	3.43	33.67	0.00	Peak	176	138	HORIZONTAL
3	5196.15	120.53			83.32	3.45	33.76	0.00	Peak	176	138	HORIZONTAL
4	5197.44	108.26			71.05	3.45	33.76	0.00	Average	176	138	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.04	68.92	74.00	-5.08	31.82	3.43	33.67	0.00	Peak	154	123	HORIZONTAL
2	5149.68	44.51	54.00	-9.49	7.41	3.43	33.67	0.00	Average	154	123	HORIZONTAL
3	5245.45	122.10			84.82	3.46	33.82	0.00	Peak	154	123	HORIZONTAL
4	5247.05	109.90			72.59	3.46	33.85	0.00	Average	154	123	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.68	66.17	74.00	-7.83	29.07	3.43	33.67	0.00	Peak	162	145	HORIZONTAL
2	5150.00	52.82	54.00	-1.18	15.72	3.43	33.67	0.00	Average	162	145	HORIZONTAL
3	5180.71	111.88			74.71	3.44	33.73	0.00	Peak	162	145	HORIZONTAL
4	5181.35	98.69			61.52	3.44	33.73	0.00	Average	162	145	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5137.50	66.71	74.00	-7.29	29.64	3.43	33.64	0.00	Peak	153	121	HORIZONTAL
2	5148.40	50.64	54.00	-3.36	13.54	3.43	33.67	0.00	Average	153	121	HORIZONTAL
3	5226.15	117.71			80.46	3.46	33.79	0.00	Peak	153	121	HORIZONTAL
4	5227.44	104.54			67.29	3.46	33.79	0.00	Average	153	121	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5146.96	72.77	74.00	-1.23	35.67	3.43	33.67	0.00	Peak	159	135
2	5150.00	43.35	54.00	-10.65	6.25	3.43	33.67	0.00	Average	159	135
3	5173.59	100.75			63.61	3.44	33.70	0.00	Average	159	135
4	5174.07	113.29			76.15	3.44	33.70	0.00	Peak	159	135

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5134.30	72.68	74.00	-1.32	35.61	3.43	33.64	0.00	Peak	165	218
2	5150.00	47.88	54.00	-6.12	10.78	3.43	33.67	0.00	Average	165	218
3	5192.31	107.14			69.97	3.44	33.73	0.00	Average	165	218
4	5202.56	121.02			83.81	3.45	33.76	0.00	Peak	165	218

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5146.15	66.92	74.00	-7.08	29.82	3.43	33.67	0.00	Peak	161	221
2	5150.00	44.54	54.00	-9.46	7.44	3.43	33.67	0.00	Average	161	221
3	5235.19	121.23			83.95	3.46	33.82	0.00	Peak	161	221
4	5239.04	107.81			70.53	3.46	33.82	0.00	Average	161	221

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5149.36	65.38	74.00	-8.62	28.28	3.43	33.67	0.00	Peak	171	136
2	5150.00	52.54	54.00	-1.46	15.44	3.43	33.67	0.00	Average	171	136
3	5192.24	97.12			59.95	3.44	33.73	0.00	Average	171	136
4	5193.21	111.61			74.44	3.44	33.73	0.00	Peak	171	136

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5137.50	63.96	74.00	-10.04	26.89	3.43	33.64	0.00	Peak	161	226
2	5150.00	49.24	54.00	-4.76	12.14	3.43	33.67	0.00	Average	161	226
3	5226.15	117.76			80.51	3.46	33.79	0.00	Peak	161	226
4	5241.22	102.76			65.48	3.46	33.82	0.00	Average	161	226

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS16 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.72	72.81	74.00	-1.19	35.71	3.43	33.67	0.00	Peak	168	128
2	5150.00	42.85	54.00	-11.15	5.75	3.43	33.67	0.00	Average	168	128
3	5175.51	114.73			77.59	3.44	33.70	0.00	Peak	168	128
4	5186.20	98.58			61.41	3.44	33.73	0.00	Average	168	128

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.72	72.52	74.00	-1.48	35.42	3.43	33.67	0.00	Peak	168	128
2	5150.00	48.84	54.00	-5.16	11.74	3.43	33.67	0.00	Average	168	128
3	5193.27	105.11			67.94	3.44	33.73	0.00	Average	168	128
4	5202.24	120.48			83.27	3.45	33.76	0.00	Peak	168	128

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5147.76	68.89	74.00	-5.11	31.79	3.43	33.67	0.00	Peak	157	130
2	5150.00	44.92	54.00	-9.08	7.82	3.43	33.67	0.00	Average	157	130
3	5242.24	121.64			84.36	3.46	33.82	0.00	Peak	157	130
4	5245.77	106.52			69.21	3.46	33.85	0.00	Average	157	130

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS16 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.97	54.00	-1.03	15.87	3.43	33.67	0.00	Average	153	212	HORIZONTAL
2	5150.00	67.90	74.00	-6.10	30.80	3.43	33.67	0.00	Peak	153	212	HORIZONTAL
3	5197.69	112.46			75.25	3.45	33.76	0.00	Peak	153	212	HORIZONTAL
4	5201.54	95.56			58.35	3.45	33.76	0.00	Average	153	212	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5145.19	64.35	54.00	10.35	27.25	3.43	33.67	0.00	Average	161	118	HORIZONTAL
2	5150.00	49.60	54.00	-4.40	12.50	3.43	33.67	0.00	Average	161	118	HORIZONTAL
3	5233.85	117.53			80.25	3.46	33.82	0.00	Average	161	118	HORIZONTAL
4	5238.65	100.87			63.59	3.46	33.82	0.00	Average	161	118	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5147.44	43.01	54.00	-10.99	5.91	3.43	33.67	0.00	Average	161	136
2	5148.40	72.60	74.00	-1.40	35.50	3.43	33.67	0.00	Peak	161	136
3	5185.61	114.00			76.83	3.44	33.73	0.00	Peak	161	136
4	5185.77	102.51			65.34	3.44	33.73	0.00	Average	161	136

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.40	72.53	74.00	-1.47	35.43	3.43	33.67	0.00	Peak	164	144
2	5150.00	46.37	54.00	-7.63	9.27	3.43	33.67	0.00	Average	164	144
3	5196.15	121.97			84.76	3.45	33.76	0.00	Peak	164	144
4	5196.47	110.13			72.92	3.45	33.76	0.00	Average	164	144

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5145.51	68.11	74.00	-5.89	31.01	3.43	33.67	0.00	Peak	163	124
2	5150.00	44.39	54.00	-9.61	7.29	3.43	33.67	0.00	Average	163	124
3	5242.56	121.88			84.60	3.46	33.82	0.00	Peak	163	124
4	5243.21	110.49			73.21	3.46	33.82	0.00	Average	163	124

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.58	54.00	-1.42	15.48	3.43	33.67	0.00	Average	152	142	HORIZONTAL
2	5150.00	66.77	74.00	-7.23	29.67	3.43	33.67	0.00	Peak	152	142	HORIZONTAL
3	5178.78	110.85			73.68	3.44	33.73	0.00	Peak	152	142	HORIZONTAL
4	5179.10	97.90			60.73	3.44	33.73	0.00	Average	152	142	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5146.47	65.95	74.00	-8.05	28.85	3.43	33.67	0.00	Peak	169	137	HORIZONTAL
2	5150.00	49.81	54.00	-4.19	12.71	3.43	33.67	0.00	Average	169	137	HORIZONTAL
3	5240.26	118.98			81.70	3.46	33.82	0.00	Peak	169	137	HORIZONTAL
4	5241.22	104.88			67.60	3.46	33.82	0.00	Average	169	137	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.74	54.00	-1.26	15.64	3.43	33.67	0.00	Average	181	144	HORIZONTAL
2	5150.00	65.00	74.00	-9.00	27.90	3.43	33.67	0.00	Peak	181	144	HORIZONTAL
3	5230.83	98.25			60.97	3.46	33.82	0.00	Peak	181	144	HORIZONTAL
4	5231.64	86.71			49.43	3.46	33.82	0.00	Average	181	144	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	72.76	74.00	-1.24	35.66	3.43	33.67	0.00	Peak	158	135 HORIZONTAL
2	5150.00	42.95	54.00	-11.05	5.85	3.43	33.67	0.00	Average	158	135 HORIZONTAL
3	5178.72	113.90			76.73	3.44	33.73	0.00	Peak	158	135 HORIZONTAL
4	5182.24	100.86			63.69	3.44	33.73	0.00	Average	158	135 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5140.39	72.75	74.00	-1.25	35.68	3.43	33.64	0.00	Peak	179	131 HORIZONTAL
2	5150.00	47.59	54.00	-6.41	10.49	3.43	33.67	0.00	Average	179	131 HORIZONTAL
3	5205.13	119.35			82.14	3.45	33.76	0.00	Peak	179	131 HORIZONTAL
4	5206.41	107.57			70.36	3.45	33.76	0.00	Average	179	131 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	44.18	54.00	-9.82	7.08	3.43	33.67	0.00	Average	174	130 HORIZONTAL
2	5150.00	68.91	74.00	-5.09	31.81	3.43	33.67	0.00	Peak	174	130 HORIZONTAL
3	5233.27	107.96			70.68	3.46	33.82	0.00	Average	174	130 HORIZONTAL
4	5235.51	121.43			84.15	3.46	33.82	0.00	Peak	174	130 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.57	54.00	-1.43	15.47	3.43	33.67	0.00	Average	165	137	HORIZONTAL
2	5150.00	65.66	74.00	-8.34	28.56	3.43	33.67	0.00	Peak	165	137	HORIZONTAL
3	5179.10	111.83			74.66	3.44	33.73	0.00	Peak	165	137	HORIZONTAL
4	5197.69	97.76			60.55	3.45	33.76	0.00	Average	165	137	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	49.63	54.00	-4.37	12.53	3.43	33.67	0.00	Average	158	129	HORIZONTAL
2	5150.00	62.51	74.00	-11.49	25.41	3.43	33.67	0.00	Peak	158	129	HORIZONTAL
3	5217.18	117.54			80.30	3.45	33.79	0.00	Peak	158	129	HORIZONTAL
4	5233.53	103.53			66.25	3.46	33.82	0.00	Average	158	129	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.77	54.00	-1.23	15.67	3.43	33.67	0.00	Average	155	128	HORIZONTAL
2	5150.00	65.04	74.00	-8.96	27.94	3.43	33.67	0.00	Peak	155	128	HORIZONTAL
3	5199.58	104.37			67.16	3.45	33.76	0.00	Peak	155	128	HORIZONTAL
4	5233.24	87.88			50.60	3.46	33.82	0.00	Average	155	128	HORIZONTAL
5	5350.00	40.85	54.00	-13.15	3.33	3.49	34.03	0.00	Average	155	128	HORIZONTAL
6	5350.00	52.08	74.00	-21.92	14.56	3.49	34.03	0.00	Peak	155	128	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.20	72.76	74.00	-1.24	35.66	3.43	33.67	0.00	Peak	155	210	HORIZONTAL
2	5150.00	42.55	54.00	-11.45	5.45	3.43	33.67	0.00	Average	155	210	HORIZONTAL
3	5178.08	113.85			76.68	3.44	33.73	0.00	Peak	155	210	HORIZONTAL
4	5186.57	100.19			63.02	3.44	33.73	0.00	Average	155	210	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5144.55	72.84	74.00	-1.16	35.74	3.43	33.67	0.00	Peak	167	133	HORIZONTAL
2	5150.00	47.86	54.00	-6.14	10.76	3.43	33.67	0.00	Average	167	133	HORIZONTAL
3	5206.41	120.27			83.06	3.45	33.76	0.00	Peak	167	133	HORIZONTAL
4	5206.73	106.65			69.44	3.45	33.76	0.00	Average	167	133	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5140.00	44.07	54.00	-9.93	7.00	3.43	33.64	0.00	Average	147	127	HORIZONTAL
2	5145.19	67.53	74.00	-6.47	30.43	3.43	33.67	0.00	Peak	147	127	HORIZONTAL
3	5242.24	107.49			70.21	3.46	33.82	0.00	Average	147	127	HORIZONTAL
4	5242.24	120.56			83.28	3.46	33.82	0.00	Peak	147	127	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.68	67.86	74.00	-6.14	30.76	3.43	33.67	0.00	Peak	162	128	HORIZONTAL
2	5150.00	52.41	54.00	-1.59	15.31	3.43	33.67	0.00	Average	162	128	HORIZONTAL
3	5181.67	111.50			74.33	3.44	33.73	0.00	Peak	162	128	HORIZONTAL
4	5182.31	96.87			59.70	3.44	33.73	0.00	Average	162	128	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5132.69	63.97	74.00	-10.03	26.90	3.43	33.64	0.00	Peak	152	119	HORIZONTAL
2	5150.00	48.87	54.00	-5.13	11.77	3.43	33.67	0.00	Average	152	119	HORIZONTAL
3	5237.69	102.82			65.54	3.46	33.82	0.00	Average	152	119	HORIZONTAL
4	5242.50	118.10			80.82	3.46	33.82	0.00	Peak	152	119	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5148.40	67.64	74.00	-6.36	30.54	3.43	33.67	0.00	Peak	165	214	HORIZONTAL
2	5150.00	52.86	54.00	-1.14	15.76	3.43	33.67	0.00	Average	165	214	HORIZONTAL
3	5210.00	87.79			50.58	3.45	33.76	0.00	Average	165	214	HORIZONTAL
4	5218.81	105.76			68.52	3.45	33.79	0.00	Peak	165	214	HORIZONTAL
5	5350.00	41.27	54.00	-12.73	3.75	3.49	34.03	0.00	Average	165	214	HORIZONTAL
6	5354.01	55.23	74.00	-18.77	17.71	3.49	34.03	0.00	Peak	165	214	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.08	43.21	54.00	-10.79	6.11	3.43	33.67	0.00	Average	161	136 HORIZONTAL
2	5149.52	72.23	74.00	-1.77	35.13	3.43	33.67	0.00	Peak	161	136 HORIZONTAL
3	5177.60	114.57			77.40	3.44	33.73	0.00	Peak	161	136 HORIZONTAL
4	5187.37	102.57			65.40	3.44	33.73	0.00	Average	161	136 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.15	69.28	74.00	-4.72	32.18	3.43	33.67	0.00	Peak	108	179 VERTICAL
2	5150.00	45.12	54.00	-8.88	8.02	3.43	33.67	0.00	Average	108	179 VERTICAL
3	5194.55	107.51			70.31	3.44	33.76	0.00	Average	108	179 VERTICAL
4	5194.87	119.35			82.14	3.45	33.76	0.00	Peak	108	179 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	44.30	54.00	-9.70	7.20	3.43	33.67	0.00	Average	163	131 HORIZONTAL
2	5150.00	67.47	74.00	-6.53	30.37	3.43	33.67	0.00	Peak	163	131 HORIZONTAL
3	5245.77	110.14			72.83	3.46	33.85	0.00	Average	163	131 HORIZONTAL
4	5246.09	121.28			83.97	3.46	33.85	0.00	Peak	163	131 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.96	72.77	74.00	-1.23	35.67	3.43	33.67	0.00	Peak	159	135 HORIZONTAL
2	5150.00	43.35	54.00	-10.65	6.25	3.43	33.67	0.00	Average	159	135 HORIZONTAL
3	5173.59	100.75			63.61	3.44	33.70	0.00	Average	159	135 HORIZONTAL
4	5174.07	113.29			76.15	3.44	33.70	0.00	Peak	159	135 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5134.30	72.68	74.00	-1.32	35.61	3.43	33.64	0.00	Peak	165	218 HORIZONTAL
2	5150.00	47.88	54.00	-6.12	10.78	3.43	33.67	0.00	Average	165	218 HORIZONTAL
3	5192.31	107.14			69.97	3.44	33.73	0.00	Average	165	218 HORIZONTAL
4	5202.56	121.02			83.81	3.45	33.76	0.00	Peak	165	218 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.15	66.92	74.00	-7.08	29.82	3.43	33.67	0.00	Peak	161	221 HORIZONTAL
2	5150.00	44.54	54.00	-9.46	7.44	3.43	33.67	0.00	Average	161	221 HORIZONTAL
3	5235.19	121.23			83.95	3.46	33.82	0.00	Peak	161	221 HORIZONTAL
4	5239.04	107.81			70.53	3.46	33.82	0.00	Average	161	221 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	72.81	74.00	-1.19	35.71	3.43	33.67	0.00	Peak	168	128 HORIZONTAL
2	5150.00	42.85	54.00	-11.15	5.75	3.43	33.67	0.00	Average	168	128 HORIZONTAL
3	5175.51	114.73			77.59	3.44	33.70	0.00	Peak	168	128 HORIZONTAL
4	5186.20	98.58			61.41	3.44	33.73	0.00	Average	168	128 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.47	71.30	74.00	-2.70	34.20	3.43	33.67	0.00	Peak	109	163 VERTICAL
2	5150.00	45.86	54.00	-8.14	8.76	3.43	33.67	0.00	Average	109	163 VERTICAL
3	5195.51	119.50			82.29	3.45	33.76	0.00	Peak	109	163 VERTICAL
4	5196.47	103.44			66.23	3.45	33.76	0.00	Average	109	163 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.76	68.89	74.00	-5.11	31.79	3.43	33.67	0.00	Peak	157	130 HORIZONTAL
2	5150.00	44.92	54.00	-9.08	7.82	3.43	33.67	0.00	Average	157	130 HORIZONTAL
3	5242.24	121.64			84.36	3.46	33.82	0.00	Peak	157	130 HORIZONTAL
4	5245.77	106.52			69.21	3.46	33.85	0.00	Average	157	130 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5150.00	47.42	54.00	-6.58	10.32	3.43	33.67	0.00	Average	181	21 HORIZONTAL
2	5150.00	72.71	74.00	-1.29	35.61	3.43	33.67	0.00	Peak	181	21 HORIZONTAL
3	5174.39	102.00			64.86	3.44	33.70	0.00	Average	181	21 HORIZONTAL
4	5183.21	113.59			76.42	3.44	33.73	0.00	Peak	181	21 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5148.72	69.41	74.00	-4.59	32.31	3.43	33.67	0.00	Peak	190	16 HORIZONTAL
2	5150.00	46.55	54.00	-7.45	9.45	3.43	33.67	0.00	Average	190	16 HORIZONTAL
3	5193.59	103.18			66.01	3.44	33.73	0.00	Average	190	16 HORIZONTAL
4	5195.51	114.37			77.16	3.45	33.76	0.00	Peak	190	16 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5140.00	42.02	54.00	-11.98	4.95	3.43	33.64	0.00	Average	194	30 HORIZONTAL
2	5149.04	62.82	74.00	-11.18	25.72	3.43	33.67	0.00	Peak	194	30 HORIZONTAL
3	5245.40	101.96			64.68	3.46	33.82	0.00	Average	194	30 HORIZONTAL
4	5245.77	113.01			75.70	3.46	33.85	0.00	Peak	194	30 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5149.68	64.61	74.00	-9.39	27.51	3.43	33.67	0.00 Peak	184	21	HORIZONTAL
2	5150.00	52.36	54.00	-1.64	15.26	3.43	33.67	0.00 Average	184	21	HORIZONTAL
3	5184.55	108.73			71.56	3.44	33.73	0.00 Peak	184	21	HORIZONTAL
4	5186.15	97.15			59.98	3.44	33.73	0.00 Average	184	21	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5145.51	57.94	74.00	-16.06	20.84	3.43	33.67	0.00 Peak	174	12	HORIZONTAL
2	5150.00	46.02	54.00	-7.98	8.92	3.43	33.67	0.00 Average	174	12	HORIZONTAL
3	5219.42	111.27			74.03	3.45	33.79	0.00 Peak	174	12	HORIZONTAL
4	5221.35	99.20			61.95	3.46	33.79	0.00 Average	174	12	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	72.33	74.00	-1.67	35.23	3.43	33.67	0.00	Peak	180	14 HORIZONTAL
2	5150.00	49.03	54.00	-4.97	11.93	3.43	33.67	0.00	Average	180	14 HORIZONTAL
3	5173.91	102.54			65.40	3.44	33.70	0.00	Average	180	14 HORIZONTAL
4	5174.39	113.87			76.73	3.44	33.70	0.00	Peak	180	14 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.76	68.61	74.00	-5.39	31.51	3.43	33.67	0.00	Peak	191	13 HORIZONTAL
2	5150.00	46.46	54.00	-7.54	9.36	3.43	33.67	0.00	Average	191	13 HORIZONTAL
3	5193.91	102.59			65.42	3.44	33.73	0.00	Average	191	13 HORIZONTAL
4	5193.91	113.77			76.60	3.44	33.73	0.00	Peak	191	13 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5142.63	63.01	74.00	-10.99	25.94	3.43	33.64	0.00	Peak	177	10 HORIZONTAL
2	5150.00	43.26	54.00	-10.74	6.16	3.43	33.67	0.00	Average	177	10 HORIZONTAL
3	5234.23	102.54			65.26	3.46	33.82	0.00	Average	177	10 HORIZONTAL
4	5238.40	113.58			76.30	3.46	33.82	0.00	Peak	177	10 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5150.00	52.34	54.00	-1.66	15.24	3.43	33.67	0.00 Average	181	12	HORIZONTAL
2	5150.00	65.14	74.00	-8.86	28.04	3.43	33.67	0.00 Peak	181	12	HORIZONTAL
3	5175.58	97.00			59.86	3.44	33.70	0.00 Average	181	12	HORIZONTAL
4	5175.90	108.79			71.65	3.44	33.70	0.00 Peak	181	12	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5148.72	59.27	74.00	-14.73	22.17	3.43	33.67	0.00 Peak	154	35	HORIZONTAL
2	5150.00	44.49	54.00	-9.51	7.39	3.43	33.67	0.00 Average	154	35	HORIZONTAL
3	5224.87	98.21			60.96	3.46	33.79	0.00 Average	154	35	HORIZONTAL
4	5237.05	110.05			72.77	3.46	33.82	0.00 Peak	154	35	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.65	54.00	-1.35	15.55	3.43	33.67	0.00	Average	173	6 HORIZONTAL
2	5150.00	66.12	74.00	-7.88	29.02	3.43	33.67	0.00	Peak	173	6 HORIZONTAL
3	5199.58	99.58			62.37	3.45	33.76	0.00	Peak	173	6 HORIZONTAL
4	5227.63	86.95			49.70	3.46	33.79	0.00	Average	173	6 HORIZONTAL
5	5350.00	38.79	54.00	-15.21	1.27	3.49	34.03	0.00	Average	173	6 HORIZONTAL
6	5350.00	50.42	74.00	-23.58	12.90	3.49	34.03	0.00	Peak	173	6 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5142.63	72.84	74.00	-1.16	35.77	3.43	33.64	0.00	Peak	162	115 HORIZONTAL
2	5149.68	48.72	54.00	-5.28	11.62	3.43	33.67	0.00	Average	162	115 HORIZONTAL
3	5185.45	115.64			78.47	3.44	33.73	0.00	Peak	162	115 HORIZONTAL
4	5186.41	104.05			66.88	3.44	33.73	0.00	Average	162	115 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	72.93	74.00	-1.07	35.83	3.43	33.67	0.00	Peak	109	312 VERTICAL
2	5150.00	46.36	54.00	-7.64	9.26	3.43	33.67	0.00	Average	109	312 VERTICAL
3	5194.23	118.37			81.20	3.44	33.73	0.00	Peak	109	312 VERTICAL
4	5194.55	107.27			70.07	3.44	33.76	0.00	Average	109	312 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	39.37	54.00	-14.63	2.27	3.43	33.67	0.00	Average	100	335 HORIZONTAL
2	5150.00	61.32	74.00	-12.68	24.22	3.43	33.67	0.00	Peak	100	335 HORIZONTAL
3	5235.83	103.96			66.68	3.46	33.82	0.00	Average	100	335 HORIZONTAL
4	5235.83	116.19			78.91	3.46	33.82	0.00	Peak	100	335 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.37	54.00	-1.63	15.27	3.43	33.67	0.00	Average	158	131 HORIZONTAL
2	5150.00	65.74	74.00	-8.26	28.64	3.43	33.67	0.00	Peak	158	131 HORIZONTAL
3	5187.76	112.21			75.04	3.44	33.73	0.00	Peak	158	131 HORIZONTAL
4	5188.40	100.65			63.48	3.44	33.73	0.00	Average	158	131 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	59.88	74.00	-14.12	22.78	3.43	33.67	0.00	Peak	171	347 HORIZONTAL
2	5150.00	46.25	54.00	-7.75	9.15	3.43	33.67	0.00	Average	171	347 HORIZONTAL
3	5227.44	100.55			63.30	3.46	33.79	0.00	Average	171	347 HORIZONTAL
4	5228.40	112.89			75.64	3.46	33.79	0.00	Peak	171	347 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	44.40	54.00	-9.60	7.30	3.43	33.67	0.00	Average	158	131 HORIZONTAL
2	5150.00	72.94	74.00	-1.06	35.84	3.43	33.67	0.00	Peak	158	131 HORIZONTAL
3	5183.05	112.59			75.42	3.44	33.73	0.00	Peak	158	131 HORIZONTAL
4	5186.73	98.99			61.82	3.44	33.73	0.00	Average	158	131 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	72.96	74.00	-1.04	35.86	3.43	33.67	0.00	Peak	173	126 HORIZONTAL
2	5150.00	46.72	54.00	-7.28	9.62	3.43	33.67	0.00	Average	173	126 HORIZONTAL
3	5196.15	102.78			65.57	3.45	33.76	0.00	Average	173	126 HORIZONTAL
4	5201.28	116.34			79.13	3.45	33.76	0.00	Peak	173	126 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.08	65.82	74.00	-8.18	28.72	3.43	33.67	0.00	Peak	172	337 HORIZONTAL
2	5150.00	40.63	54.00	-13.37	3.53	3.43	33.67	0.00	Average	172	337 HORIZONTAL
3	5245.13	101.75			64.47	3.46	33.82	0.00	Average	172	337 HORIZONTAL
4	5246.41	115.47			78.16	3.46	33.85	0.00	Peak	172	337 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.83	54.00	-1.17	15.73	3.43	33.67	0.00	Average	110	313 VERTICAL
2	5150.00	66.14	74.00	-7.86	29.04	3.43	33.67	0.00	Peak	110	313 VERTICAL
3	5181.03	96.93			59.76	3.44	33.73	0.00	Average	110	313 VERTICAL
4	5186.15	111.55			74.38	3.44	33.73	0.00	Peak	110	313 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	44.48	54.00	-9.52	7.38	3.43	33.67	0.00	Average	161	341 HORIZONTAL
2	5150.00	56.07	74.00	-17.93	18.97	3.43	33.67	0.00	Peak	161	341 HORIZONTAL
3	5235.77	111.56			74.28	3.46	33.82	0.00	Peak	161	341 HORIZONTAL
4	5238.97	96.99			59.71	3.46	33.82	0.00	Average	161	341 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5140.06	72.81	74.00	-1.19	35.74	3.43	33.64	0.00	Peak	126	331 VERTICAL
2	5150.00	47.80	54.00	-6.20	10.70	3.43	33.67	0.00	Average	126	331 VERTICAL
3	5172.95	114.98			77.84	3.44	33.70	0.00	Peak	126	331 VERTICAL
4	5174.23	104.18			67.04	3.44	33.70	0.00	Average	126	331 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	47.04	54.00	-6.96	9.94	3.43	33.67	0.00	Average	156	132 HORIZONTAL
2	5150.00	72.22	74.00	-1.78	35.12	3.43	33.67	0.00	Peak	156	132 HORIZONTAL
3	5207.05	106.23			69.02	3.45	33.76	0.00	Average	156	132 HORIZONTAL
4	5207.05	117.44			80.23	3.45	33.76	0.00	Peak	156	132 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	64.75	74.00	-9.25	27.65	3.43	33.67	0.00	Peak	170	343 HORIZONTAL
2	5150.00	41.15	54.00	-12.85	4.05	3.43	33.67	0.00	Average	170	343 HORIZONTAL
3	5246.09	105.97			68.66	3.46	33.85	0.00	Average	170	343 HORIZONTAL
4	5247.69	117.54			80.23	3.46	33.85	0.00	Peak	170	343 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.70	54.00	-1.30	15.60	3.43	33.67	0.00	Average	111	329 VERTICAL
2	5150.00	66.09	74.00	-7.91	28.99	3.43	33.67	0.00	Peak	111	329 VERTICAL
3	5173.97	98.77			61.63	3.44	33.70	0.00	Average	111	329 VERTICAL
4	5192.89	110.82			73.65	3.44	33.73	0.00	Peak	111	329 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.12	58.60	74.00	-15.40	21.50	3.43	33.67	0.00	Peak	169	341 HORIZONTAL
2	5147.76	45.54	54.00	-8.46	8.44	3.43	33.67	0.00	Average	169	341 HORIZONTAL
3	5226.15	100.48			63.23	3.46	33.79	0.00	Average	169	341 HORIZONTAL
4	5227.12	112.91			75.66	3.46	33.79	0.00	Peak	169	341 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.69	54.00	-1.31	15.59	3.43	33.67	0.00	Average	172	133	HORIZONTAL
2	5150.00	68.31	74.00	-5.69	31.21	3.43	33.67	0.00	Peak	172	133	HORIZONTAL
3	5227.63	89.37			52.12	3.46	33.79	0.00	Average	172	133	HORIZONTAL
4	5229.23	101.87			64.59	3.46	33.82	0.00	Peak	172	133	HORIZONTAL
5	5350.00	39.55	54.00	-14.45	2.03	3.49	34.03	0.00	Average	172	133	HORIZONTAL
6	5350.00	49.58	74.00	-24.42	12.06	3.49	34.03	0.00	Peak	172	133	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.31	73.00	74.00	-1.00	35.90	3.43	33.67	0.00	Peak	166	127 HORIZONTAL
2	5150.00	43.35	54.00	-10.65	6.25	3.43	33.67	0.00	Average	166	127 HORIZONTAL
3	5174.55	110.23			73.09	3.44	33.70	0.00	Peak	166	127 HORIZONTAL
4	5186.41	98.21			61.04	3.44	33.73	0.00	Average	166	127 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	70.06	74.00	-3.94	32.96	3.43	33.67	0.00	Peak	169	351 HORIZONTAL
2	5150.00	45.14	54.00	-8.86	8.04	3.43	33.67	0.00	Average	169	351 HORIZONTAL
3	5197.76	101.90			64.69	3.45	33.76	0.00	Average	169	351 HORIZONTAL
4	5204.17	114.42			77.21	3.45	33.76	0.00	Peak	169	351 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5143.59	62.14	74.00	-11.86	25.04	3.43	33.67	0.00	Peak	115	94 VERTICAL
2	5150.00	39.46	54.00	-14.54	2.36	3.43	33.67	0.00	Average	115	94 VERTICAL
3	5233.27	103.07			65.79	3.46	33.82	0.00	Average	115	94 VERTICAL
4	5242.24	116.12			78.84	3.46	33.82	0.00	Peak	115	94 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5150.00	52.99	54.00	-1.01	15.89	3.43	33.67	0.00 Average	160	360	HORIZONTAL
2	5150.00	67.25	74.00	-6.75	30.15	3.43	33.67	0.00 Peak	160	360	HORIZONTAL
3	5193.21	109.21			72.04	3.44	33.73	0.00 Peak	160	360	HORIZONTAL
4	5193.53	96.32			59.15	3.44	33.73	0.00 Average	160	360	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5150.00	44.81	54.00	-9.19	7.71	3.43	33.67	0.00 Average	179	342	HORIZONTAL
2	5150.00	57.45	74.00	-16.55	20.35	3.43	33.67	0.00 Peak	179	342	HORIZONTAL
3	5233.53	97.79			60.51	3.46	33.82	0.00 Average	179	342	HORIZONTAL
4	5233.85	111.65			74.37	3.46	33.82	0.00 Peak	179	342	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.58	54.00	-1.42	15.48	3.43	33.67	0.00	Average	183	14 HORIZONTAL
2	5150.00	64.86	74.00	-9.14	27.76	3.43	33.67	0.00	Peak	183	14 HORIZONTAL
3	5186.76	89.49			52.32	3.44	33.73	0.00	Average	183	14 HORIZONTAL
4	5187.56	101.29			64.12	3.44	33.73	0.00	Peak	183	14 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.56	72.57	74.00	-1.43	35.47	3.43	33.67	0.00	Peak	124	143 HORIZONTAL
2	5150.00	44.05	54.00	-9.95	6.95	3.43	33.67	0.00	Average	124	143 HORIZONTAL
3	5187.53	113.61			76.44	3.44	33.73	0.00	Peak	124	143 HORIZONTAL
4	5188.01	102.06			64.89	3.44	33.73	0.00	Average	124	143 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5144.23	72.90	74.00	-1.10	35.80	3.43	33.67	0.00	Peak	143	147 HORIZONTAL
2	5150.00	46.68	54.00	-7.32	9.58	3.43	33.67	0.00	Average	143	147 HORIZONTAL
3	5192.63	108.51			71.34	3.44	33.73	0.00	Average	143	147 HORIZONTAL
4	5192.63	119.50			82.33	3.44	33.73	0.00	Peak	143	147 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5150.00	43.13	54.00	-10.87	6.03	3.43	33.67	0.00	Average	147	148 HORIZONTAL
2	5150.00	68.24	74.00	-5.76	31.14	3.43	33.67	0.00	Peak	147	148 HORIZONTAL
3	5237.12	121.41			84.13	3.46	33.82	0.00	Peak	147	148 HORIZONTAL
4	5237.44	110.31			73.03	3.46	33.82	0.00	Average	147	148 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.04	66.50	74.00	-7.50	29.40	3.43	33.67	0.00	Peak	138	148	HORIZONTAL
2	5149.36	52.74	54.00	-1.26	15.64	3.43	33.67	0.00	Average	138	148	HORIZONTAL
3	5187.44	100.32			63.15	3.44	33.73	0.00	Average	138	148	HORIZONTAL
4	5187.76	112.48			75.31	3.44	33.73	0.00	Peak	138	148	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.04	63.30	74.00	-10.70	26.20	3.43	33.67	0.00	Peak	138	144	HORIZONTAL
2	5149.68	50.13	54.00	-3.87	13.03	3.43	33.67	0.00	Average	138	144	HORIZONTAL
3	5228.72	105.68			68.40	3.46	33.82	0.00	Average	138	144	HORIZONTAL
4	5231.60	117.30			80.02	3.46	33.82	0.00	Peak	138	144	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5148.88	72.95	74.00	-1.05	35.85	3.43	33.67	0.00	Peak	125	146	HORIZONTAL
2	5150.00	42.72	54.00	-11.28	5.62	3.43	33.67	0.00	Average	125	146	HORIZONTAL
3	5174.71	113.06			75.92	3.44	33.70	0.00	Peak	125	146	HORIZONTAL
4	5187.05	99.45			62.28	3.44	33.73	0.00	Average	125	146	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5146.15	72.82	74.00	-1.18	35.72	3.43	33.67	0.00	Peak	133	144	HORIZONTAL
2	5150.00	45.92	54.00	-8.08	8.82	3.43	33.67	0.00	Average	133	144	HORIZONTAL
3	5195.19	105.68			68.47	3.45	33.76	0.00	Average	133	144	HORIZONTAL
4	5201.92	119.27			82.06	3.45	33.76	0.00	Peak	133	144	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5145.51	68.16	74.00	-5.84	31.06	3.43	33.67	0.00	Peak	147	144	HORIZONTAL
2	5150.00	43.06	54.00	-10.94	5.96	3.43	33.67	0.00	Average	147	144	HORIZONTAL
3	5241.28	120.23			82.95	3.46	33.82	0.00	Peak	147	144	HORIZONTAL
4	5241.60	106.93			69.65	3.46	33.82	0.00	Average	147	144	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.44	54.00	-1.56	15.34	3.43	33.67	0.00	Average	148	148	HORIZONTAL
2	5150.00	66.10	74.00	-7.90	29.00	3.43	33.67	0.00	Peak	148	148	HORIZONTAL
3	5180.39	111.28			74.11	3.44	33.73	0.00	Peak	148	148	HORIZONTAL
4	5180.71	97.37			60.20	3.44	33.73	0.00	Average	148	148	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	47.92	54.00	-6.08	10.82	3.43	33.67	0.00	Average	147	150	HORIZONTAL
2	5150.00	66.06	74.00	-7.94	28.96	3.43	33.67	0.00	Peak	147	150	HORIZONTAL
3	5238.33	102.55			65.27	3.46	33.82	0.00	Average	147	150	HORIZONTAL
4	5245.06	116.99			79.71	3.46	33.82	0.00	Peak	147	150	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS16 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	5147.92	72.83	74.00	-1.17	35.73	3.43	33.67	0.00	Peak	138	146 HORIZONTAL
2	5150.00	43.21	54.00	-10.79	6.11	3.43	33.67	0.00	Average	138	146 HORIZONTAL
3	5175.03	98.78			61.64	3.44	33.70	0.00	Average	138	146 HORIZONTAL
4	5175.35	114.04			76.90	3.44	33.70	0.00	Peak	138	146 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	5137.50	72.85	74.00	-1.15	35.78	3.43	33.64	0.00	Peak	153	147 HORIZONTAL
2	5150.00	45.46	54.00	-8.54	8.36	3.43	33.67	0.00	Average	153	147 HORIZONTAL
3	5193.91	102.99			65.82	3.44	33.73	0.00	Average	153	147 HORIZONTAL
4	5195.51	118.53			81.32	3.45	33.76	0.00	Peak	153	147 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	5146.15	66.62	74.00	-7.38	29.52	3.43	33.67	0.00	Peak	151	150 HORIZONTAL
2	5150.00	43.03	54.00	-10.97	5.93	3.43	33.67	0.00	Average	151	150 HORIZONTAL
3	5242.24	120.24			82.96	3.46	33.82	0.00	Peak	151	150 HORIZONTAL
4	5245.13	105.38			68.10	3.46	33.82	0.00	Average	151	150 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS16 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.51	54.00	-1.49	15.41	3.43	33.67	0.00	Average	137	149	HORIZONTAL
2	5150.00	65.76	74.00	-8.24	28.66	3.43	33.67	0.00	Peak	137	149	HORIZONTAL
3	5198.65	95.13			57.92	3.45	33.76	0.00	Average	137	149	HORIZONTAL
4	5202.50	111.19			73.98	3.45	33.76	0.00	Peak	137	149	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5148.40	62.76	74.00	-11.24	25.66	3.43	33.67	0.00	Peak	149	150	HORIZONTAL
2	5150.00	47.15	54.00	-6.85	10.05	3.43	33.67	0.00	Average	149	150	HORIZONTAL
3	5241.54	100.24			62.96	3.46	33.82	0.00	Average	149	150	HORIZONTAL
4	5242.18	116.53			79.25	3.46	33.82	0.00	Peak	149	150	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5147.76	72.72	74.00	-1.28	35.62	3.43	33.67	0.00	Peak	143	146
2	5150.00	42.66	54.00	-11.34	5.56	3.43	33.67	0.00	Average	143	146
3	5174.23	102.70			65.56	3.44	33.70	0.00	Average	143	146
4	5174.55	114.16			77.02	3.44	33.70	0.00	Peak	143	146

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.40	72.61	74.00	-1.39	35.51	3.43	33.67	0.00	Peak	138	147
2	5150.00	46.19	54.00	-7.81	9.09	3.43	33.67	0.00	Average	138	147
3	5192.63	107.95			70.78	3.44	33.73	0.00	Average	138	147
4	5193.91	118.77			81.60	3.44	33.73	0.00	Peak	138	147

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5144.55	67.77	74.00	-6.23	30.67	3.43	33.67	0.00	Peak	140	142
2	5150.00	43.13	54.00	-10.87	6.03	3.43	33.67	0.00	Average	140	142
3	5244.49	121.40			84.12	3.46	33.82	0.00	Peak	140	142
4	5245.13	110.25			72.97	3.46	33.82	0.00	Average	140	142

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5150.00	52.74	54.00	-1.26	15.64	3.43	33.67	0.00	Average	129	140 HORIZONTAL
2	5150.00	67.49	74.00	-6.51	30.39	3.43	33.67	0.00	Peak	129	140 HORIZONTAL
3	5191.92	99.44			62.27	3.44	33.73	0.00	Average	129	140 HORIZONTAL
4	5191.92	111.07			73.90	3.44	33.73	0.00	Peak	129	140 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5145.19	63.26	74.00	-10.74	26.16	3.43	33.67	0.00	Peak	122	143 HORIZONTAL
2	5146.47	49.63	54.00	-4.37	12.53	3.43	33.67	0.00	Average	122	143 HORIZONTAL
3	5225.19	105.90			68.65	3.46	33.79	0.00	Average	122	143 HORIZONTAL
4	5226.47	117.79			80.54	3.46	33.79	0.00	Peak	122	143 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.20	66.28	74.00	-7.72	29.18	3.43	33.67	0.00	Peak	137	143	HORIZONTAL
2	5150.00	52.98	54.00	-1.02	15.88	3.43	33.67	0.00	Average	137	143	HORIZONTAL
3	5229.23	88.91			51.63	3.46	33.82	0.00	Average	137	143	HORIZONTAL
4	5230.03	101.83			64.55	3.46	33.82	0.00	Peak	137	143	HORIZONTAL
5	5350.00	40.52	54.00	-13.48	3.00	3.49	34.03	0.00	Average	137	143	HORIZONTAL
6	5356.41	52.37	74.00	-21.63	14.85	3.49	34.03	0.00	Peak	137	143	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.72	72.60	74.00	-1.40	35.50	3.43	33.67	0.00	Peak	140	139 HORIZONTAL
2	5150.00	42.30	54.00	-11.70	5.20	3.43	33.67	0.00	Average	140	139 HORIZONTAL
3	5173.43	100.40			63.26	3.44	33.70	0.00	Average	140	139 HORIZONTAL
4	5173.91	112.88			75.74	3.44	33.70	0.00	Peak	140	139 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5145.51	72.85	74.00	-1.15	35.75	3.43	33.67	0.00	Peak	155	144 HORIZONTAL
2	5150.00	45.85	54.00	-8.15	8.75	3.43	33.67	0.00	Average	155	144 HORIZONTAL
3	5193.27	106.17			69.00	3.44	33.73	0.00	Average	155	144 HORIZONTAL
4	5195.51	119.36			82.15	3.45	33.76	0.00	Peak	155	144 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5140.00	43.68	54.00	-10.32	6.61	3.43	33.64	0.00	Average	153	148 HORIZONTAL
2	5146.15	68.21	74.00	-5.79	31.11	3.43	33.67	0.00	Peak	153	148 HORIZONTAL
3	5241.28	120.62			83.34	3.46	33.82	0.00	Peak	153	148 HORIZONTAL
4	5242.24	108.51			71.23	3.46	33.82	0.00	Average	153	148 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.98	54.00	-1.02	15.88	3.43	33.67	0.00	Average	150	151	HORIZONTAL
2	5150.00	66.12	74.00	-7.88	29.02	3.43	33.67	0.00	Peak	150	151	HORIZONTAL
3	5180.39	111.59			74.42	3.44	33.73	0.00	Peak	150	151	HORIZONTAL
4	5198.01	98.16			60.95	3.45	33.76	0.00	Average	150	151	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5140.71	65.22	74.00	-8.78	28.15	3.43	33.64	0.00	Peak	151	148	HORIZONTAL
2	5150.00	47.44	54.00	-6.56	10.34	3.43	33.67	0.00	Average	151	148	HORIZONTAL
3	5220.06	116.77			79.53	3.45	33.79	0.00	Peak	151	148	HORIZONTAL
4	5241.22	102.97			65.69	3.46	33.82	0.00	Average	151	148	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.83	54.00	-1.17	15.73	3.43	33.67	0.00	Average	139	140	HORIZONTAL
2	5150.00	65.92	74.00	-8.08	28.82	3.43	33.67	0.00	Peak	139	140	HORIZONTAL
3	5217.21	105.55			68.31	3.45	33.79	0.00	Peak	139	140	HORIZONTAL
4	5222.02	88.21			50.96	3.46	33.79	0.00	Average	139	140	HORIZONTAL
5	5350.00	40.27	54.00	-13.73	2.75	3.49	34.03	0.00	Average	139	140	HORIZONTAL
6	5350.00	50.43	74.00	-23.57	12.91	3.49	34.03	0.00	Peak	139	140	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5147.76	72.66	74.00	-1.34	35.56	3.43	33.67	0.00	Peak	139	144 VERTICAL
2	5150.00	42.79	54.00	-11.21	5.69	3.43	33.67	0.00	Average	139	144 VERTICAL
3	5173.43	100.67			63.53	3.44	33.70	0.00	Average	139	144 VERTICAL
4	5173.59	113.25			76.11	3.44	33.70	0.00	Peak	139	144 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5145.19	72.95	74.00	-1.05	35.85	3.43	33.67	0.00	Peak	152	147 HORIZONTAL
2	5150.00	45.15	54.00	-8.85	8.05	3.43	33.67	0.00	Average	152	147 HORIZONTAL
3	5193.27	104.60			67.43	3.44	33.73	0.00	Average	152	147 HORIZONTAL
4	5202.24	118.86			81.65	3.45	33.76	0.00	Peak	152	147 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5140.71	67.08	74.00	-6.92	30.01	3.43	33.64	0.00	Peak	139	139 HORIZONTAL
2	5150.00	43.00	54.00	-11.00	5.90	3.43	33.67	0.00	Average	139	139 HORIZONTAL
3	5237.76	106.86			69.58	3.46	33.82	0.00	Average	139	139 HORIZONTAL
4	5242.56	119.65			82.37	3.46	33.82	0.00	Peak	139	139 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.54	54.00	-1.46	15.44	3.43	33.67	0.00	Average	156	138	HORIZONTAL
2	5150.00	65.14	74.00	-8.86	28.04	3.43	33.67	0.00	Peak	156	138	HORIZONTAL
3	5175.58	111.45			74.31	3.44	33.70	0.00	Peak	156	138	HORIZONTAL
4	5197.69	97.38			60.17	3.45	33.76	0.00	Average	156	138	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	47.27	54.00	-6.73	10.17	3.43	33.67	0.00	Average	167	150	HORIZONTAL
2	5150.00	60.99	74.00	-13.01	23.89	3.43	33.67	0.00	Peak	167	150	HORIZONTAL
3	5233.53	101.56			64.28	3.46	33.82	0.00	Average	167	150	HORIZONTAL
4	5233.53	116.51			79.23	3.46	33.82	0.00	Peak	167	150	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.20	66.63	74.00	-7.37	29.53	3.43	33.67	0.00	Peak	150	141	HORIZONTAL
2	5150.00	52.48	54.00	-1.52	15.38	3.43	33.67	0.00	Average	150	141	HORIZONTAL
3	5233.24	88.35			51.07	3.46	33.82	0.00	Average	150	141	HORIZONTAL
4	5233.24	106.46			69.18	3.46	33.82	0.00	Peak	150	141	HORIZONTAL
5	5350.00	40.71	54.00	-13.29	3.19	3.49	34.03	0.00	Average	150	141	HORIZONTAL
6	5350.00	51.29	74.00	-22.71	13.77	3.49	34.03	0.00	Peak	150	141	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.52	72.63	74.00	-1.37	35.53	3.43	33.67	0.00	Peak	110	335 VERTICAL
2	5150.00	48.17	54.00	-5.83	11.07	3.43	33.67	0.00	Average	110	335 VERTICAL
3	5173.43	102.33			65.19	3.44	33.70	0.00	Average	110	335 VERTICAL
4	5174.39	112.76			75.62	3.44	33.70	0.00	Peak	110	335 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	46.13	54.00	-7.87	9.03	3.43	33.67	0.00	Average	179	31 HORIZONTAL
2	5150.00	70.24	74.00	-3.76	33.14	3.43	33.67	0.00	Peak	179	31 HORIZONTAL
3	5194.23	102.71			65.54	3.44	33.73	0.00	Average	179	31 HORIZONTAL
4	5194.55	114.04			76.84	3.44	33.76	0.00	Peak	179	31 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	65.06	74.00	-8.94	27.96	3.43	33.67	0.00	Peak	177	20 HORIZONTAL
2	5150.00	43.17	54.00	-10.83	6.07	3.43	33.67	0.00	Average	177	20 HORIZONTAL
3	5233.27	104.09			66.81	3.46	33.82	0.00	Average	177	20 HORIZONTAL
4	5234.87	115.12			77.84	3.46	33.82	0.00	Peak	177	20 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.28	72.68	74.00	-1.32	35.58	3.43	33.67	0.00	Peak	166	114 HORIZONTAL
2	5148.88	46.02	54.00	-7.98	8.92	3.43	33.67	0.00	Average	166	114 HORIZONTAL
3	5173.91	103.17			66.03	3.44	33.70	0.00	Average	166	114 HORIZONTAL
4	5174.39	114.08			76.94	3.44	33.70	0.00	Peak	166	114 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5145.51	72.77	74.00	-1.23	35.67	3.43	33.67	0.00	Peak	109	330 VERTICAL
2	5148.40	47.37	54.00	-6.63	10.27	3.43	33.67	0.00	Average	109	330 VERTICAL
3	5193.27	107.12			69.95	3.44	33.73	0.00	Average	109	330 VERTICAL
4	5193.91	118.77			81.60	3.44	33.73	0.00	Peak	109	330 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5141.67	65.48	74.00	-8.52	28.41	3.43	33.64	0.00	Peak	170	27 HORIZONTAL
2	5150.00	41.27	54.00	-12.73	4.17	3.43	33.67	0.00	Average	170	27 HORIZONTAL
3	5246.73	107.09			69.78	3.46	33.85	0.00	Average	170	27 HORIZONTAL
4	5246.73	118.24			80.93	3.46	33.85	0.00	Peak	170	27 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	72.70	74.00	-1.30	35.60	3.43	33.67	0.00	Peak	153	114 HORIZONTAL
2	5150.00	44.36	54.00	-9.64	7.26	3.43	33.67	0.00	Average	153	114 HORIZONTAL
3	5175.83	114.22			77.08	3.44	33.70	0.00	Peak	153	114 HORIZONTAL
4	5180.96	103.56			66.39	3.44	33.73	0.00	Average	153	114 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.44	72.80	74.00	-1.20	35.70	3.43	33.67	0.00	Peak	138	146 HORIZONTAL
2	5150.00	46.96	54.00	-7.04	9.86	3.43	33.67	0.00	Average	138	146 HORIZONTAL
3	5198.72	121.54			84.33	3.45	33.76	0.00	Peak	138	146 HORIZONTAL
4	5199.04	110.74			73.53	3.45	33.76	0.00	Average	138	146 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5140.71	67.96	74.00	-6.04	30.89	3.43	33.64	0.00	Peak	151	144 HORIZONTAL
2	5150.00	43.73	54.00	-10.27	6.63	3.43	33.67	0.00	Average	151	144 HORIZONTAL
3	5244.17	111.56			74.28	3.46	33.82	0.00	Average	151	144 HORIZONTAL
4	5244.81	122.46			85.18	3.46	33.82	0.00	Peak	151	144 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.80	72.73	74.00	-1.27	35.63	3.43	33.67	0.00	Peak	111	197 VERTICAL
2	5150.00	42.74	54.00	-11.26	5.64	3.43	33.67	0.00	Average	111	197 VERTICAL
3	5174.39	102.61			65.47	3.44	33.70	0.00	Average	111	197 VERTICAL
4	5175.99	114.40			77.26	3.44	33.70	0.00	Peak	111	197 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5138.14	72.52	74.00	-1.48	35.45	3.43	33.64	0.00	Peak	100	196 VERTICAL
2	5150.00	46.25	54.00	-7.75	9.15	3.43	33.67	0.00	Average	100	196 VERTICAL
3	5194.87	108.60			71.39	3.45	33.76	0.00	Average	100	196 VERTICAL
4	5196.15	119.56			82.35	3.45	33.76	0.00	Peak	100	196 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	46.32	54.00	-7.68	9.22	3.43	33.67	0.00	Average	125	184 VERTICAL
2	5150.00	71.06	74.00	-2.94	33.96	3.43	33.67	0.00	Peak	125	184 VERTICAL
3	5233.27	113.19			75.91	3.46	33.82	0.00	Average	125	184 VERTICAL
4	5233.59	124.12			86.84	3.46	33.82	0.00	Peak	125	184 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5149.68	66.37	74.00	-7.63	29.27	3.43	33.67	0.00	Peak	100	197 VERTICAL
2	5150.00	52.42	54.00	-1.58	15.32	3.43	33.67	0.00	Average	100	197 VERTICAL
3	5195.13	111.65			74.44	3.45	33.76	0.00	Peak	100	197 VERTICAL
4	5195.45	99.45			62.24	3.45	33.76	0.00	Average	100	197 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5150.00	52.99	54.00	-1.01	15.89	3.43	33.67	0.00	Average	111	197 VERTICAL
2	5150.00	65.73	74.00	-8.27	28.63	3.43	33.67	0.00	Peak	111	197 VERTICAL
3	5224.55	120.84			83.59	3.46	33.79	0.00	Peak	111	197 VERTICAL
4	5244.10	108.74			71.46	3.46	33.82	0.00	Average	111	197 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS8 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss Factor	Factor	Remark	cm	deg	
1	5147.12	72.45	74.00	-1.55	35.35	3.43	33.67	0.00 Peak	100	195	VERTICAL
2	5150.00	43.16	54.00	-10.84	6.06	3.43	33.67	0.00 Average	100	195	VERTICAL
3	5184.65	100.70			63.53	3.44	33.73	0.00 Average	100	195	VERTICAL
4	5185.13	113.56			76.39	3.44	33.73	0.00 Peak	100	195	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss Factor	Factor	Remark	cm	deg	
1	5145.83	72.84	74.00	-1.16	35.74	3.43	33.67	0.00 Peak	100	196	VERTICAL
2	5150.00	45.65	54.00	-8.35	8.55	3.43	33.67	0.00 Average	100	196	VERTICAL
3	5194.55	106.50			69.30	3.44	33.76	0.00 Average	100	196	VERTICAL
4	5195.51	119.95			82.74	3.45	33.76	0.00 Peak	100	196	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss Factor	Factor	Remark	cm	deg	
1	5141.35	67.99	74.00	-6.01	30.92	3.43	33.64	0.00 Peak	110	196	VERTICAL
2	5150.00	44.23	54.00	-9.77	7.13	3.43	33.67	0.00 Average	110	196	VERTICAL
3	5245.45	124.13			86.85	3.46	33.82	0.00 Peak	110	196	VERTICAL
4	5246.09	111.32			74.01	3.46	33.85	0.00 Average	110	196	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5150.00	52.94	54.00	-1.06	15.84	3.43	33.67	0.00	Average	112	193
2	5150.00	67.01	74.00	-6.99	29.91	3.43	33.67	0.00	Peak	112	193
3	5183.27	98.08			60.91	3.44	33.73	0.00	Average	112	193
4	5184.23	112.48			75.31	3.44	33.73	0.00	Peak	112	193

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5149.36	67.27	74.00	-6.73	30.17	3.43	33.67	0.00	Peak	111	195
2	5150.00	52.85	54.00	-1.15	15.75	3.43	33.67	0.00	Average	111	195
3	5224.55	120.18			82.93	3.46	33.79	0.00	Peak	111	195
4	5244.74	106.15			68.87	3.46	33.82	0.00	Average	111	195

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS16 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark			Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5148.40	72.96	74.00	-1.04	35.86	3.43	33.67	0.00 Peak	111	192	VERTICAL
2	5150.00	43.42	54.00	-10.58	6.32	3.43	33.67	0.00 Average	111	192	VERTICAL
3	5175.20	98.34			61.20	3.44	33.70	0.00 Average	111	192	VERTICAL
4	5178.80	112.59			75.42	3.44	33.73	0.00 Peak	111	192	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark			Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5148.40	72.93	74.00	-1.07	35.83	3.43	33.67	0.00 Peak	111	196	VERTICAL
2	5150.00	45.36	54.00	-8.64	8.26	3.43	33.67	0.00 Average	111	196	VERTICAL
3	5203.20	104.94			67.73	3.45	33.76	0.00 Average	111	196	VERTICAL
4	5204.80	118.45			81.24	3.45	33.76	0.00 Peak	111	196	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark			Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5149.40	71.77	74.00	-2.23	34.67	3.43	33.67	0.00 Peak	110	195	VERTICAL
2	5150.00	49.96	54.00	-4.04	12.86	3.43	33.67	0.00 Average	110	195	VERTICAL
3	5239.40	123.76			86.48	3.46	33.82	0.00 Peak	110	195	VERTICAL
4	5245.40	110.77			73.49	3.46	33.82	0.00 Average	110	195	VERTICAL
5	5350.00	50.27	54.00	-3.73	12.75	3.49	34.03	0.00 Average	110	195	VERTICAL
6	5352.40	72.26	74.00	-1.74	34.74	3.49	34.03	0.00 Peak	110	195	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS16 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5146.40	68.52	74.00	-5.48	31.42	3.43	33.67	0.00	Peak	111	195	VERTICAL
2	5150.00	52.88	54.00	-1.12	15.78	3.43	33.67	0.00	Average	111	195	VERTICAL
3	5200.80	96.03			58.82	3.45	33.76	0.00	Average	111	195	VERTICAL
4	5203.20	110.80			73.59	3.45	33.76	0.00	Peak	111	195	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.60	66.03	74.00	-7.97	28.93	3.43	33.67	0.00	Peak	124	196	VERTICAL
2	5150.00	52.38	54.00	-1.62	15.28	3.43	33.67	0.00	Average	124	196	VERTICAL
3	5238.40	119.04			81.76	3.46	33.82	0.00	Peak	124	196	VERTICAL
4	5240.80	104.03			66.75	3.46	33.82	0.00	Average	124	196	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5145.19	72.83	74.00	-1.17	35.73	3.43	33.67	0.00 Peak	100	195	VERTICAL
2	5150.00	43.24	54.00	-10.76	6.14	3.43	33.67	0.00 Average	100	195	VERTICAL
3	5173.43	102.47			65.33	3.44	33.70	0.00 Average	100	195	VERTICAL
4	5174.39	113.49			76.35	3.44	33.70	0.00 Peak	100	195	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5146.15	72.83	74.00	-1.17	35.73	3.43	33.67	0.00 Peak	113	194	VERTICAL
2	5150.00	46.53	54.00	-7.47	9.43	3.43	33.67	0.00 Average	113	194	VERTICAL
3	5192.31	107.97			70.80	3.44	33.73	0.00 Average	113	194	VERTICAL
4	5206.41	118.77			81.56	3.45	33.76	0.00 Peak	113	194	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5148.72	72.36	74.00	-1.64	35.26	3.43	33.67	0.00 Peak	125	191	VERTICAL
2	5150.00	46.34	54.00	-7.66	9.24	3.43	33.67	0.00 Average	125	191	VERTICAL
3	5247.37	112.97			75.66	3.46	33.85	0.00 Average	125	191	VERTICAL
4	5247.69	124.04			86.73	3.46	33.85	0.00 Peak	125	191	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5149.68	65.98	74.00	-8.02	28.88	3.43	33.67	0.00	Peak	100	196 VERTICAL
2	5150.00	52.71	54.00	-1.29	15.61	3.43	33.67	0.00	Average	100	196 VERTICAL
3	5193.21	99.76			62.59	3.44	33.73	0.00	Average	100	196 VERTICAL
4	5194.81	111.79			74.58	3.45	33.76	0.00	Peak	100	196 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.72	67.00	74.00	-7.00	29.90	3.43	33.67	0.00	Peak	111	194 VERTICAL
2	5150.00	52.99	54.00	-1.01	15.89	3.43	33.67	0.00	Average	111	194 VERTICAL
3	5231.60	109.49			72.21	3.46	33.82	0.00	Average	111	194 VERTICAL
4	5231.92	121.64			84.36	3.46	33.82	0.00	Peak	111	194 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.88	54.00	-1.12	15.78	3.43	33.67	0.00	Average	125	196	VERTICAL
2	5150.00	68.21	74.00	-5.79	31.11	3.43	33.67	0.00	Peak	125	196	VERTICAL
3	5232.44	89.15			51.87	3.46	33.82	0.00	Average	125	196	VERTICAL
4	5232.44	100.94			63.66	3.46	33.82	0.00	Peak	125	196	VERTICAL
5	5350.00	41.06	54.00	-12.94	3.54	3.49	34.03	0.00	Average	125	196	VERTICAL
6	5350.00	51.34	74.00	-22.66	13.82	3.49	34.03	0.00	Peak	125	196	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5149.00	72.99	74.00	-1.01	35.89	3.43	33.67	0.00	Peak	110	186 VERTICAL
2	5150.00	42.34	54.00	-11.66	5.24	3.43	33.67	0.00	Average	110	186 VERTICAL
3	5177.60	101.41			64.24	3.44	33.73	0.00	Average	110	186 VERTICAL
4	5178.20	113.82			76.65	3.44	33.73	0.00	Peak	110	186 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5144.40	72.71	74.00	-1.29	35.61	3.43	33.67	0.00	Peak	100	196 VERTICAL
2	5150.00	45.87	54.00	-8.13	8.77	3.43	33.67	0.00	Average	100	196 VERTICAL
3	5197.60	107.09			69.88	3.45	33.76	0.00	Average	100	196 VERTICAL
4	5198.40	118.98			81.77	3.45	33.76	0.00	Peak	100	196 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5148.80	67.55	74.00	-6.45	30.45	3.43	33.67	0.00	Peak	100	211 HORIZONTAL
2	5150.00	49.25	54.00	-4.75	12.15	3.43	33.67	0.00	Average	100	211 HORIZONTAL
3	5234.00	119.78			82.50	3.46	33.82	0.00	Peak	100	211 HORIZONTAL
4	5246.40	107.29			69.98	3.46	33.85	0.00	Average	100	211 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.41	54.00	-1.59	15.31	3.43	33.67	0.00	Average	100	196	VERTICAL
2	5150.00	65.50	74.00	-8.50	28.40	3.43	33.67	0.00	Peak	100	196	VERTICAL
3	5178.80	112.10			74.93	3.44	33.73	0.00	Peak	100	196	VERTICAL
4	5197.60	98.11			60.90	3.45	33.76	0.00	Average	100	196	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	51.80	54.00	-2.20	14.70	3.43	33.67	0.00	Average	100	208	HORIZONTAL
2	5150.00	64.49	74.00	-9.51	27.39	3.43	33.67	0.00	Peak	100	208	HORIZONTAL
3	5225.20	116.89			79.64	3.46	33.79	0.00	Peak	100	208	HORIZONTAL
4	5226.40	104.26			67.01	3.46	33.79	0.00	Average	100	208	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.76	54.00	-1.24	15.66	3.43	33.67	0.00	Average	123	190	VERTICAL
2	5150.00	67.07	74.00	-6.93	29.97	3.43	33.67	0.00	Peak	123	190	VERTICAL
3	5218.00	103.95			66.71	3.45	33.79	0.00	Peak	123	190	VERTICAL
4	5232.00	88.07			50.79	3.46	33.82	0.00	Average	123	190	VERTICAL
5	5350.00	42.35	54.00	-11.65	4.83	3.49	34.03	0.00	Average	123	190	VERTICAL
6	5350.00	53.03	74.00	-20.97	15.51	3.49	34.03	0.00	Peak	123	190	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.60	72.16	74.00	-1.84	35.06	3.43	33.67	0.00	Peak	100	197 VERTICAL
2	5150.00	43.25	54.00	-10.75	6.15	3.43	33.67	0.00	Average	100	197 VERTICAL
3	5177.80	99.20			62.03	3.44	33.73	0.00	Average	100	197 VERTICAL
4	5182.40	111.31			74.14	3.44	33.73	0.00	Peak	100	197 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.40	72.93	74.00	-1.07	35.83	3.43	33.67	0.00	Peak	111	194 VERTICAL
2	5150.00	45.39	74.00	-28.61	8.29	3.43	33.67	0.00	Peak	111	194 VERTICAL
3	5198.00	105.37			68.16	3.45	33.76	0.00	Average	111	194 VERTICAL
4	5203.20	117.76			80.55	3.45	33.76	0.00	Peak	111	194 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.20	70.57	74.00	-3.43	33.47	3.43	33.67	0.00	Peak	110	195 VERTICAL
2	5150.00	49.82	54.00	-4.18	12.72	3.43	33.67	0.00	Average	110	195 VERTICAL
3	5246.60	111.98			74.67	3.46	33.85	0.00	Average	110	195 VERTICAL
4	5247.80	123.84			86.53	3.46	33.85	0.00	Peak	110	195 VERTICAL
5	5350.00	50.07	54.00	-3.93	12.55	3.49	34.03	0.00	Average	110	195 VERTICAL
6	5350.00	70.73	74.00	-3.27	33.21	3.49	34.03	0.00	Peak	110	195 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.61	54.00	-1.39	15.51	3.43	33.67	0.00	Average	112	197 VERTICAL
2	5150.00	66.01	74.00	-7.99	28.91	3.43	33.67	0.00	Peak	112	197 VERTICAL
3	5198.00	96.24			59.03	3.45	33.76	0.00	Average	112	197 VERTICAL
4	5202.40	110.60			73.39	3.45	33.76	0.00	Peak	112	197 VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5144.80	65.95	74.00	-8.05	28.85	3.43	33.67	0.00	Peak	122	197 VERTICAL
2	5150.00	52.03	54.00	-1.97	14.93	3.43	33.67	0.00	Average	122	197 VERTICAL
3	5236.80	119.73			82.45	3.46	33.82	0.00	Peak	122	197 VERTICAL
4	5238.00	105.58			68.30	3.46	33.82	0.00	Average	122	197 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.85	54.00	-1.15	15.75	3.43	33.67	0.00	Average	111	196	VERTICAL
2	5150.00	66.50	74.00	-7.50	29.40	3.43	33.67	0.00	Peak	111	196	VERTICAL
3	5213.00	103.72			66.48	3.45	33.79	0.00	Peak	111	196	VERTICAL
4	5232.20	86.50			49.22	3.46	33.82	0.00	Average	111	196	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Wen Chao	Configurations	IEEE 802.11a Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.04	72.54	74.00	-1.46	35.44	3.43	33.67	0.00	Peak	126	191 VERTICAL
2	5150.00	42.99	54.00	-11.01	5.89	3.43	33.67	0.00	Average	126	191 VERTICAL
3	5181.92	103.31			66.14	3.44	33.73	0.00	Average	126	191 VERTICAL
4	5182.08	114.57			77.40	3.44	33.73	0.00	Peak	126	191 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5143.59	72.98	74.00	-1.02	35.88	3.43	33.67	0.00	Peak	125	186 VERTICAL
2	5150.00	46.23	54.00	-7.77	9.13	3.43	33.67	0.00	Average	125	186 VERTICAL
3	5200.96	109.04			71.83	3.45	33.76	0.00	Average	125	186 VERTICAL
4	5201.28	120.19			82.98	3.45	33.76	0.00	Peak	125	186 VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.12	68.91	74.00	-5.09	31.81	3.43	33.67	0.00	Peak	123	185 VERTICAL
2	5150.00	46.28	54.00	-7.72	9.18	3.43	33.67	0.00	Average	123	185 VERTICAL
3	5245.13	124.30			87.02	3.46	33.82	0.00	Peak	123	185 VERTICAL
4	5245.45	113.31			76.03	3.46	33.82	0.00	Average	123	185 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.84	72.78	74.00	-1.22	35.68	3.43	33.67	0.00	Peak	100	131 HORIZONTAL
2	5150.00	48.57	54.00	-5.43	11.47	3.43	33.67	0.00	Average	100	131 HORIZONTAL
3	5184.97	101.84			64.67	3.44	33.73	0.00	Average	100	131 HORIZONTAL
4	5185.29	114.22			77.05	3.44	33.73	0.00	Peak	100	131 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	70.76	74.00	-3.24	33.66	3.43	33.67	0.00	Peak	100	131 HORIZONTAL
2	5150.00	48.04	54.00	-5.96	10.94	3.43	33.67	0.00	Average	100	131 HORIZONTAL
3	5193.27	115.71			78.54	3.44	33.73	0.00	Peak	100	131 HORIZONTAL
4	5194.23	103.37			66.20	3.44	33.73	0.00	Average	100	131 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	43.56	54.00	-10.44	6.46	3.43	33.67	0.00	Average	147	148 HORIZONTAL
2	5150.00	62.72	74.00	-11.28	25.62	3.43	33.67	0.00	Peak	147	148 HORIZONTAL
3	5244.81	104.31			67.03	3.46	33.82	0.00	Average	147	148 HORIZONTAL
4	5244.81	117.20			79.92	3.46	33.82	0.00	Peak	147	148 HORIZONTAL
5	5350.96	43.93	54.00	-10.07	6.41	3.49	34.03	0.00	Average	147	148 HORIZONTAL
6	5352.40	65.15	74.00	-8.85	27.63	3.49	34.03	0.00	Peak	147	148 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 1TX / Chain 1
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	52.61	54.00	-1.39	15.51	3.43	33.67	0.00	Average	101	133 HORIZONTAL
2	5149.68	68.87	74.00	-5.13	31.77	3.43	33.67	0.00	Peak	101	133 HORIZONTAL
3	5180.71	95.97			58.80	3.44	33.73	0.00	Average	101	133 HORIZONTAL
4	5185.83	111.03			73.86	3.44	33.73	0.00	Peak	101	133 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5142.95	61.84	74.00	-12.16	24.77	3.43	33.64	0.00	Peak	105	97 VERTICAL
2	5150.00	48.95	54.00	-5.05	11.85	3.43	33.67	0.00	Average	105	97 VERTICAL
3	5233.85	113.85			76.57	3.46	33.82	0.00	Peak	105	97 VERTICAL
4	5238.33	99.68			62.40	3.46	33.82	0.00	Average	105	97 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.52	72.75	74.00	-1.25	35.65	3.43	33.67	0.00	Peak	100	92 VERTICAL
2	5150.00	50.98	54.00	-3.02	13.88	3.43	33.67	0.00	Average	100	92 VERTICAL
3	5174.71	100.42			63.28	3.44	33.70	0.00	Average	100	92 VERTICAL
4	5178.72	112.66			75.49	3.44	33.73	0.00	Peak	100	92 VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	71.61	74.00	-2.39	34.51	3.43	33.67	0.00	Peak	100	132 HORIZONTAL
2	5150.00	49.87	54.00	-4.13	12.77	3.43	33.67	0.00	Average	100	132 HORIZONTAL
3	5193.91	105.62			68.45	3.44	33.73	0.00	Average	100	132 HORIZONTAL
4	5195.51	115.89			78.68	3.45	33.76	0.00	Peak	100	132 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	44.80	54.00	-9.20	7.70	3.43	33.67	0.00	Average	100	136 HORIZONTAL
2	5150.00	63.02	74.00	-10.98	25.92	3.43	33.67	0.00	Peak	100	136 HORIZONTAL
3	5236.15	105.34			68.06	3.46	33.82	0.00	Average	100	136 HORIZONTAL
4	5238.08	116.04			78.76	3.46	33.82	0.00	Peak	100	136 HORIZONTAL
5	5352.40	63.41	74.00	-10.59	25.89	3.49	34.03	0.00	Peak	100	136 HORIZONTAL
6	5361.54	45.56	54.00	-8.44	8.04	3.49	34.03	0.00	Average	100	136 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 1TX / Chain 1
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.78	54.00	-1.22	15.68	3.43	33.67	0.00	Average	101	131 HORIZONTAL
2	5150.00	69.54	74.00	-4.46	32.44	3.43	33.67	0.00	Peak	101	131 HORIZONTAL
3	5184.55	95.92			58.75	3.44	33.73	0.00	Average	101	131 HORIZONTAL
4	5191.92	110.28			73.11	3.44	33.73	0.00	Peak	101	131 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	46.38	54.00	-7.62	9.28	3.43	33.67	0.00	Average	100	134 HORIZONTAL
2	5150.00	59.35	74.00	-14.65	22.25	3.43	33.67	0.00	Peak	100	134 HORIZONTAL
3	5238.33	112.44			75.16	3.46	33.82	0.00	Peak	100	134 HORIZONTAL
4	5238.65	98.72			61.44	3.46	33.82	0.00	Average	100	134 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 1TX / Chain 1
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.93	54.00	-1.07	15.83	3.43	33.67	0.00	Average	204	149	HORIZONTAL
2	5150.00	65.42	74.00	-8.58	28.32	3.43	33.67	0.00	Peak	204	149	HORIZONTAL
3	5221.22	102.60			65.35	3.46	33.79	0.00	Peak	204	149	HORIZONTAL
4	5234.84	90.67			53.39	3.46	33.82	0.00	Average	204	149	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.84	72.63	74.00	-1.37	35.53	3.43	33.67	0.00	Peak	109	336 HORIZONTAL
2	5150.00	43.69	54.00	-10.31	6.59	3.43	33.67	0.00	Average	109	336 HORIZONTAL
3	5173.59	102.26			65.12	3.44	33.70	0.00	Average	109	336 HORIZONTAL
4	5174.87	113.79			76.65	3.44	33.70	0.00	Peak	109	336 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	72.53	74.00	-1.47	35.43	3.43	33.67	0.00	Peak	120	337 HORIZONTAL
2	5150.00	46.37	54.00	-7.63	9.27	3.43	33.67	0.00	Average	120	337 HORIZONTAL
3	5194.23	109.62			72.45	3.44	33.73	0.00	Average	120	337 HORIZONTAL
4	5194.87	120.69			83.48	3.45	33.76	0.00	Peak	120	337 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.68	66.95	74.00	-7.05	29.85	3.43	33.67	0.00	Peak	107	332 HORIZONTAL
2	5150.00	43.52	54.00	-10.48	6.42	3.43	33.67	0.00	Average	107	332 HORIZONTAL
3	5233.91	110.59			73.31	3.46	33.82	0.00	Average	107	332 HORIZONTAL
4	5233.91	121.79			84.51	3.46	33.82	0.00	Peak	107	332 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	67.56	74.00	-6.44	30.46	3.43	33.67	0.00	Peak	122	337 HORIZONTAL
2	5150.00	52.68	54.00	-1.32	15.58	3.43	33.67	0.00	Average	122	337 HORIZONTAL
3	5184.87	99.79			62.62	3.44	33.73	0.00	Average	122	337 HORIZONTAL
4	5186.15	112.05			74.88	3.44	33.73	0.00	Peak	122	337 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.72	63.67	74.00	-10.33	26.57	3.43	33.67	0.00	Peak	119	338 HORIZONTAL
2	5150.00	48.12	54.00	-5.88	11.02	3.43	33.67	0.00	Average	119	338 HORIZONTAL
3	5241.86	119.29			82.01	3.46	33.82	0.00	Peak	119	338 HORIZONTAL
4	5242.50	107.21			69.93	3.46	33.82	0.00	Average	119	338 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.56	72.64	74.00	-1.36	35.54	3.43	33.67	0.00	Peak	109	336 HORIZONTAL
2	5150.00	43.21	54.00	-10.79	6.11	3.43	33.67	0.00	Average	109	336 HORIZONTAL
3	5183.85	113.54			76.37	3.44	33.73	0.00	Peak	109	336 HORIZONTAL
4	5186.09	99.86			62.69	3.44	33.73	0.00	Average	109	336 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.36	72.90	74.00	-1.10	35.80	3.43	33.67	0.00	Peak	121	329 HORIZONTAL
2	5150.00	46.79	54.00	-7.21	9.69	3.43	33.67	0.00	Average	121	329 HORIZONTAL
3	5194.87	105.85			68.64	3.45	33.76	0.00	Average	121	329 HORIZONTAL
4	5197.44	119.01			81.80	3.45	33.76	0.00	Peak	121	329 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5144.87	65.50	74.00	-8.50	28.40	3.43	33.67	0.00	Peak	100	274 VERTICAL
2	5150.00	42.64	54.00	-11.36	5.54	3.43	33.67	0.00	Average	100	274 VERTICAL
3	5235.51	118.72			81.44	3.46	33.82	0.00	Peak	100	274 VERTICAL
4	5236.15	104.56			67.28	3.46	33.82	0.00	Average	100	274 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.86	54.00	-1.14	15.76	3.43	33.67	0.00	Average	131	325 HORIZONTAL
2	5150.00	66.62	74.00	-7.38	29.52	3.43	33.67	0.00	Peak	131	325 HORIZONTAL
3	5183.27	112.07			74.90	3.44	33.73	0.00	Peak	131	325 HORIZONTAL
4	5185.19	97.38			60.21	3.44	33.73	0.00	Average	131	325 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5145.19	65.15	74.00	-8.85	28.05	3.43	33.67	0.00	Peak	100	272 VERTICAL
2	5150.00	48.57	54.00	-5.43	11.47	3.43	33.67	0.00	Average	100	272 VERTICAL
3	5237.37	115.42			78.14	3.46	33.82	0.00	Peak	100	272 VERTICAL
4	5238.33	100.47			63.19	3.46	33.82	0.00	Average	100	272 VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.56	72.59	74.00	-1.41	35.49	3.43	33.67	0.00	Peak	121	328 HORIZONTAL
2	5150.00	43.36	54.00	-10.64	6.26	3.43	33.67	0.00	Average	121	328 HORIZONTAL
3	5175.03	102.52			65.38	3.44	33.70	0.00	Average	121	328 HORIZONTAL
4	5176.15	114.15			77.01	3.44	33.70	0.00	Peak	121	328 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.80	72.93	74.00	-1.07	35.83	3.43	33.67	0.00	Peak	109	334 HORIZONTAL
2	5150.00	46.47	54.00	-7.53	9.37	3.43	33.67	0.00	Average	109	334 HORIZONTAL
3	5192.63	109.01			71.84	3.44	33.73	0.00	Average	109	334 HORIZONTAL
4	5194.55	119.94			82.74	3.44	33.76	0.00	Peak	109	334 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	41.79	54.00	-12.21	4.69	3.43	33.67	0.00	Average	118	338 HORIZONTAL
2	5150.00	64.47	74.00	-9.53	27.37	3.43	33.67	0.00	Peak	118	338 HORIZONTAL
3	5233.27	110.42			73.14	3.46	33.82	0.00	Average	118	338 HORIZONTAL
4	5234.87	121.55			84.27	3.46	33.82	0.00	Peak	118	338 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.47	54.00	-1.53	15.37	3.43	33.67	0.00 Average	108	334	HORIZONTAL
2	5150.00	65.64	74.00	-8.36	28.54	3.43	33.67	0.00 Peak	108	334	HORIZONTAL
3	5191.92	110.84			73.67	3.44	33.73	0.00 Peak	108	334	HORIZONTAL
4	5192.24	99.29			62.12	3.44	33.73	0.00 Average	108	334	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	5143.27	63.44	74.00	-10.56	26.37	3.43	33.64	0.00 Peak	100	273	VERTICAL
2	5143.59	47.81	54.00	-6.19	10.71	3.43	33.67	0.00 Average	100	273	VERTICAL
3	5241.22	116.16			78.88	3.46	33.82	0.00 Peak	100	273	VERTICAL
4	5241.54	103.99			66.71	3.46	33.82	0.00 Average	100	273	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
											Pol/Phase
1	5149.20	65.01	74.00	-8.99	27.91	3.43	33.67	0.00	Peak	132	327 HORIZONTAL
2	5150.00	52.56	54.00	-1.44	15.46	3.43	33.67	0.00	Average	132	327 HORIZONTAL
3	5185.16	89.53			52.36	3.44	33.73	0.00	Average	132	327 HORIZONTAL
4	5214.01	102.50			65.26	3.45	33.79	0.00	Peak	132	327 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.60	72.60	74.00	-1.40	35.50	3.43	33.67	0.00	Peak	211	147 HORIZONTAL
2	5150.00	44.60	54.00	-9.40	7.50	3.43	33.67	0.00	Average	211	147 HORIZONTAL
3	5177.80	97.59			60.42	3.44	33.73	0.00	Average	211	147 HORIZONTAL
4	5182.40	112.60			75.43	3.44	33.73	0.00	Peak	211	147 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.20	72.60	74.00	-1.40	35.50	3.43	33.67	0.00	Peak	104	150 HORIZONTAL
2	5150.00	47.47	54.00	-6.53	10.37	3.43	33.67	0.00	Average	104	150 HORIZONTAL
3	5206.80	105.05			67.84	3.45	33.76	0.00	Average	104	150 HORIZONTAL
4	5206.80	119.85			82.64	3.45	33.76	0.00	Peak	104	150 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.20	69.31	74.00	-4.69	32.21	3.43	33.67	0.00	Peak	100	150 HORIZONTAL
2	5150.00	49.78	54.00	-4.22	12.68	3.43	33.67	0.00	Average	100	150 HORIZONTAL
3	5237.60	107.70			70.42	3.46	33.82	0.00	Average	100	150 HORIZONTAL
4	5238.80	122.14			84.86	3.46	33.82	0.00	Peak	100	150 HORIZONTAL
5	5350.00	50.67	54.00	-3.33	13.15	3.49	34.03	0.00	Average	100	150 HORIZONTAL
6	5351.80	71.27	74.00	-2.73	33.75	3.49	34.03	0.00	Peak	100	150 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.58	54.00	-1.42	15.48	3.43	33.67	0.00	Average	102	150 HORIZONTAL
2	5150.00	65.39	74.00	-8.61	28.29	3.43	33.67	0.00	Peak	102	150 HORIZONTAL
3	5198.00	96.77			59.56	3.45	33.76	0.00	Average	102	150 HORIZONTAL
4	5204.40	110.19			72.98	3.45	33.76	0.00	Peak	102	150 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	48.75	54.00	-5.25	11.65	3.43	33.67	0.00	Average	101	156 HORIZONTAL
2	5150.00	61.40	74.00	-12.60	24.30	3.43	33.67	0.00	Peak	101	156 HORIZONTAL
3	5226.40	104.06			66.81	3.46	33.79	0.00	Average	101	156 HORIZONTAL
4	5226.40	118.12			80.87	3.46	33.79	0.00	Peak	101	156 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.89	54.00	-1.11	15.79	3.43	33.67	0.00	Average	120	337	HORIZONTAL
2	5150.00	65.03	74.00	-8.97	27.93	3.43	33.67	0.00	Peak	120	337	HORIZONTAL
3	5193.17	105.10			67.93	3.44	33.73	0.00	Peak	120	337	HORIZONTAL
4	5242.05	89.18			51.90	3.46	33.82	0.00	Average	120	337	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.00	72.87	74.00	-1.13	35.77	3.43	33.67	0.00	Peak	203	328 HORIZONTAL
2	5150.00	44.80	54.00	-9.20	7.70	3.43	33.67	0.00	Average	203	328 HORIZONTAL
3	5173.60	113.93			76.79	3.44	33.70	0.00	Peak	203	328 HORIZONTAL
4	5174.00	102.72			65.58	3.44	33.70	0.00	Average	203	328 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5143.20	72.98	74.00	-1.02	35.91	3.43	33.64	0.00	Peak	196	325 HORIZONTAL
2	5150.00	48.03	54.00	-5.97	10.93	3.43	33.67	0.00	Average	196	325 HORIZONTAL
3	5198.80	110.75			73.54	3.45	33.76	0.00	Average	196	325 HORIZONTAL
4	5199.20	121.75			84.54	3.45	33.76	0.00	Peak	196	325 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.60	69.20	74.00	-4.80	32.10	3.43	33.67	0.00	Peak	129	332 HORIZONTAL
2	5150.00	45.25	54.00	-8.75	8.15	3.43	33.67	0.00	Average	129	332 HORIZONTAL
3	5236.40	113.06			75.78	3.46	33.82	0.00	Average	129	332 HORIZONTAL
4	5236.80	124.77			87.49	3.46	33.82	0.00	Peak	129	332 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	53.00	54.00	-1.00	15.90	3.43	33.67	0.00	Average	202	329	HORIZONTAL
2	5150.00	65.29	74.00	-8.71	28.19	3.43	33.67	0.00	Peak	202	329	HORIZONTAL
3	5188.40	99.74			62.57	3.44	33.73	0.00	Average	202	329	HORIZONTAL
4	5189.60	111.33			74.16	3.44	33.73	0.00	Peak	202	329	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.20	67.33	74.00	-6.67	30.23	3.43	33.67	0.00	Peak	203	326	HORIZONTAL
2	5150.00	52.79	54.00	-1.21	15.69	3.43	33.67	0.00	Average	203	326	HORIZONTAL
3	5228.00	108.46			71.21	3.46	33.79	0.00	Average	203	326	HORIZONTAL
4	5228.40	119.94			82.69	3.46	33.79	0.00	Peak	203	326	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS8 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5147.60	72.43	74.00	-1.57	35.33	3.43	33.67	0.00	Peak	205	330 HORIZONTAL
2	5150.00	42.71	54.00	-11.29	5.61	3.43	33.67	0.00	Average	205	330 HORIZONTAL
3	5172.40	113.34			76.20	3.44	33.70	0.00	Peak	205	330 HORIZONTAL
4	5173.80	100.41			63.27	3.44	33.70	0.00	Average	205	330 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	72.41	74.00	-1.59	35.31	3.43	33.67	0.00	Peak	100	342 HORIZONTAL
2	5150.00	46.31	54.00	-7.69	9.21	3.43	33.67	0.00	Average	100	342 HORIZONTAL
3	5193.60	106.06			68.89	3.44	33.73	0.00	Average	100	342 HORIZONTAL
4	5195.60	119.65			82.44	3.45	33.76	0.00	Peak	100	342 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.80	67.13	74.00	-6.87	30.03	3.43	33.67	0.00	Peak	125	290 VERTICAL
2	5150.00	44.27	54.00	-9.73	7.17	3.43	33.67	0.00	Average	125	290 VERTICAL
3	5242.40	106.57			69.29	3.46	33.82	0.00	Average	125	290 VERTICAL
4	5243.20	119.85			82.57	3.46	33.82	0.00	Peak	125	290 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS8 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.86	54.00	-1.14	15.76	3.43	33.67	0.00	Average	200	331 HORIZONTAL
2	5150.00	65.85	74.00	-8.15	28.75	3.43	33.67	0.00	Peak	200	331 HORIZONTAL
3	5192.00	98.08			60.91	3.44	33.73	0.00	Average	200	331 HORIZONTAL
4	5197.20	112.56			75.35	3.45	33.76	0.00	Peak	200	331 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5144.80	64.47	74.00	-9.53	27.37	3.43	33.67	0.00	Peak	122	341 HORIZONTAL
2	5150.00	50.38	54.00	-3.62	13.28	3.43	33.67	0.00	Average	122	341 HORIZONTAL
3	5226.40	104.82			67.57	3.46	33.79	0.00	Average	122	341 HORIZONTAL
4	5228.40	119.80			82.55	3.46	33.79	0.00	Peak	122	341 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS16 HT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.52	72.45	74.00	-1.55	35.35	3.43	33.67	0.00	Peak	200	327 HORIZONTAL
2	5150.00	42.65	54.00	-11.35	5.55	3.43	33.67	0.00	Average	200	327 HORIZONTAL
3	5174.23	113.39			76.25	3.44	33.70	0.00	Peak	200	327 HORIZONTAL
4	5174.55	98.40			61.26	3.44	33.70	0.00	Average	200	327 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	46.55	54.00	-7.45	9.45	3.43	33.67	0.00	Average	207	328 HORIZONTAL
2	5150.00	72.90	74.00	-1.10	35.80	3.43	33.67	0.00	Peak	207	328 HORIZONTAL
3	5194.87	105.68			68.47	3.45	33.76	0.00	Average	207	328 HORIZONTAL
4	5195.51	120.50			83.29	3.45	33.76	0.00	Peak	207	328 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.80	68.35	74.00	-5.65	31.25	3.43	33.67	0.00	Peak	207	325 HORIZONTAL
2	5150.00	44.00	54.00	-10.00	6.90	3.43	33.67	0.00	Average	207	325 HORIZONTAL
3	5244.49	106.75			69.47	3.46	33.82	0.00	Average	207	325 HORIZONTAL
4	5246.41	122.23			84.92	3.46	33.85	0.00	Peak	207	325 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11n MCS16 HT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	52.45	54.00	-1.55	15.35	3.43	33.67	0.00	Average	205	336 HORIZONTAL
2	5150.00	65.91	74.00	-8.09	28.81	3.43	33.67	0.00	Peak	205	336 HORIZONTAL
3	5176.86	96.42			59.28	3.44	33.70	0.00	Average	205	336 HORIZONTAL
4	5179.42	113.09			75.92	3.44	33.73	0.00	Peak	205	336 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5139.74	66.37	74.00	-7.63	29.30	3.43	33.64	0.00	Peak	198	328 HORIZONTAL
2	5150.00	50.33	54.00	-3.67	13.23	3.43	33.67	0.00	Average	198	328 HORIZONTAL
3	5219.10	102.38			65.14	3.45	33.79	0.00	Average	198	328 HORIZONTAL
4	5223.27	118.51			81.26	3.46	33.79	0.00	Peak	198	328 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.80	72.82	74.00	-1.18	35.72	3.43	33.67	0.00	Peak	195	327 HORIZONTAL
2	5150.00	44.81	54.00	-9.19	7.71	3.43	33.67	0.00	Average	195	327 HORIZONTAL
3	5173.80	113.92			76.78	3.44	33.70	0.00	Peak	195	327 HORIZONTAL
4	5174.40	102.68			65.54	3.44	33.70	0.00	Average	195	327 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.80	72.73	74.00	-1.27	35.63	3.43	33.67	0.00	Peak	195	326 HORIZONTAL
2	5150.00	47.05	54.00	-6.95	9.95	3.43	33.67	0.00	Average	195	326 HORIZONTAL
3	5194.00	108.93			71.76	3.44	33.73	0.00	Average	195	326 HORIZONTAL
4	5194.00	120.64			83.47	3.44	33.73	0.00	Peak	195	326 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5143.20	67.64	74.00	-6.36	30.57	3.43	33.64	0.00	Peak	195	333 HORIZONTAL
2	5150.00	46.95	54.00	-7.05	9.85	3.43	33.67	0.00	Average	195	333 HORIZONTAL
3	5238.40	113.44			76.16	3.46	33.82	0.00	Average	195	333 HORIZONTAL
4	5238.80	124.66			87.38	3.46	33.82	0.00	Peak	195	333 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5150.00	52.89	54.00	-1.11	15.79	3.43	33.67	0.00	Average	136	151 HORIZONTAL
2	5150.00	67.99	74.00	-6.01	30.89	3.43	33.67	0.00	Peak	136	151 HORIZONTAL
3	5187.60	101.82			64.65	3.44	33.73	0.00	Average	136	151 HORIZONTAL
4	5187.60	114.08			76.91	3.44	33.73	0.00	Peak	136	151 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5149.60	66.44	74.00	-7.56	29.34	3.43	33.67	0.00	Peak	209	143 HORIZONTAL
2	5150.00	52.94	54.00	-1.06	15.84	3.43	33.67	0.00	Average	209	143 HORIZONTAL
3	5228.00	121.54			84.29	3.46	33.79	0.00	Peak	209	143 HORIZONTAL
4	5228.80	109.48			72.20	3.46	33.82	0.00	Average	209	143 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.00	52.78	54.00	-1.22	15.68	3.43	33.67	0.00	Average	128	157	HORIZONTAL
2	5150.00	66.51	74.00	-7.49	29.41	3.43	33.67	0.00	Peak	128	157	HORIZONTAL
3	5226.00	91.85			54.60	3.46	33.79	0.00	Average	128	157	HORIZONTAL
4	5226.00	104.00			66.75	3.46	33.79	0.00	Peak	128	157	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5149.60	72.93	74.00	-1.07	35.83	3.43	33.67	0.00	Peak	201	328
2	5150.00	44.30	54.00	-9.70	7.20	3.43	33.67	0.00	Average	201	328
3	5173.40	100.86			63.72	3.44	33.70	0.00	Average	201	328
4	5175.00	114.51			77.37	3.44	33.70	0.00	Peak	201	328

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5143.20	72.64	74.00	-1.36	35.57	3.43	33.64	0.00	Peak	199	334
2	5150.00	47.04	54.00	-6.96	9.94	3.43	33.67	0.00	Average	199	334
3	5193.20	107.77			70.60	3.44	33.73	0.00	Average	199	334
4	5193.20	120.51			83.34	3.44	33.73	0.00	Peak	199	334

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5140.00	45.65	54.00	-8.35	8.58	3.43	33.64	0.00	Average	197	339
2	5140.40	68.42	74.00	-5.58	31.35	3.43	33.64	0.00	Peak	197	339
3	5233.60	109.87			72.59	3.46	33.82	0.00	Average	197	339
4	5243.60	123.18			85.90	3.46	33.82	0.00	Peak	197	339

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.91	54.00	-1.09	15.81	3.43	33.67	0.00	Average	109	337	HORIZONTAL
2	5150.00	66.74	74.00	-7.26	29.64	3.43	33.67	0.00	Peak	109	337	HORIZONTAL
3	5194.40	111.99			74.82	3.44	33.73	0.00	Peak	109	337	HORIZONTAL
4	5197.60	98.91			61.70	3.45	33.76	0.00	Average	109	337	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	48.06	54.00	-5.94	10.96	3.43	33.67	0.00	Average	119	340	HORIZONTAL
2	5150.00	60.48	74.00	-13.52	23.38	3.43	33.67	0.00	Peak	119	340	HORIZONTAL
3	5219.20	118.64			81.40	3.45	33.79	0.00	Peak	119	340	HORIZONTAL
4	5238.00	104.91			67.63	3.46	33.82	0.00	Average	119	340	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5148.00	66.24	74.00	-7.76	29.14	3.43	33.67	0.00	Peak	200	334	HORIZONTAL
2	5150.00	52.65	54.00	-1.35	15.55	3.43	33.67	0.00	Average	200	334	HORIZONTAL
3	5219.00	105.59			68.35	3.45	33.79	0.00	Peak	200	334	HORIZONTAL
4	5234.00	89.98			52.70	3.46	33.82	0.00	Average	200	334	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.68	72.81	74.00	-1.19	35.71	3.43	33.67	0.00	Peak	206	330	HORIZONTAL
2	5150.00	42.24	54.00	-11.76	5.14	3.43	33.67	0.00	Average	206	330	HORIZONTAL
3	5186.57	100.52			63.35	3.44	33.73	0.00	Average	206	330	HORIZONTAL
4	5186.57	113.73			76.56	3.44	33.73	0.00	Peak	206	330	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5147.76	72.96	74.00	-1.04	35.86	3.43	33.67	0.00	Peak	194	327	HORIZONTAL
2	5150.00	46.60	54.00	-7.40	9.50	3.43	33.67	0.00	Average	194	327	HORIZONTAL
3	5206.41	107.28			70.07	3.45	33.76	0.00	Average	194	327	HORIZONTAL
4	5206.41	120.54			83.33	3.45	33.76	0.00	Peak	194	327	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5147.76	69.02	74.00	-4.98	31.92	3.43	33.67	0.00	Peak	200	325	HORIZONTAL
2	5150.00	44.66	54.00	-9.34	7.56	3.43	33.67	0.00	Average	200	325	HORIZONTAL
3	5233.27	108.64			71.36	3.46	33.82	0.00	Average	200	325	HORIZONTAL
4	5233.91	122.14			84.86	3.46	33.82	0.00	Peak	200	325	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch38, 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5150.00	52.78	54.00	-1.22	15.68	3.43	33.67	0.00	Average	203	338	HORIZONTAL
2	5150.00	66.97	74.00	-7.03	29.87	3.43	33.67	0.00	Peak	203	338	HORIZONTAL
3	5182.31	97.86			60.69	3.44	33.73	0.00	Average	203	338	HORIZONTAL
4	5196.41	112.52			75.31	3.45	33.76	0.00	Peak	203	338	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5147.12	66.56	74.00	-7.44	29.46	3.43	33.67	0.00	Peak	197	333	HORIZONTAL
2	5150.00	49.37	54.00	-4.63	12.27	3.43	33.67	0.00	Average	197	333	HORIZONTAL
3	5222.31	102.96			65.71	3.46	33.79	0.00	Average	197	333	HORIZONTAL
4	5231.28	118.22			80.94	3.46	33.82	0.00	Peak	197	333	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5149.20	67.10	74.00	-6.90	30.00	3.43	33.67	0.00	Peak	206	332	HORIZONTAL
2	5150.00	52.52	54.00	-1.48	15.42	3.43	33.67	0.00	Average	206	332	HORIZONTAL
3	5177.95	87.68			50.51	3.44	33.73	0.00	Average	206	332	HORIZONTAL
4	5232.44	104.95			67.67	3.46	33.82	0.00	Peak	206	332	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11a Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5149.52	72.86	74.00	-1.14	35.76	3.43	33.67	0.00	Peak	101	132 HORIZONTAL
2	5150.00	52.85	54.00	-1.15	15.75	3.43	33.67	0.00	Average	101	132 HORIZONTAL
3	5185.77	103.45			66.28	3.44	33.73	0.00	Average	101	132 HORIZONTAL
4	5186.25	115.46			78.29	3.44	33.73	0.00	Peak	101	132 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	70.10	74.00	-3.90	33.00	3.43	33.67	0.00	Peak	148	152 HORIZONTAL
2	5150.00	48.74	54.00	-5.26	11.64	3.43	33.67	0.00	Average	148	152 HORIZONTAL
3	5203.85	105.69			68.48	3.45	33.76	0.00	Average	148	152 HORIZONTAL
4	5203.85	117.93			80.72	3.45	33.76	0.00	Peak	148	152 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.56	62.87	74.00	-11.13	25.77	3.43	33.67	0.00	Peak	147	145 HORIZONTAL
2	5150.00	44.22	54.00	-9.78	7.12	3.43	33.67	0.00	Average	147	145 HORIZONTAL
3	5244.33	104.66			67.38	3.46	33.82	0.00	Average	147	145 HORIZONTAL
4	5245.29	116.63			79.35	3.46	33.82	0.00	Peak	147	145 HORIZONTAL
5	5350.00	44.16	54.00	-9.84	6.64	3.49	34.03	0.00	Average	147	145 HORIZONTAL
6	5351.44	62.13	74.00	-11.87	24.61	3.49	34.03	0.00	Peak	147	145 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11a Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.56	72.54	74.00	-1.46	35.44	3.43	33.67	0.00	Peak	133	331 HORIZONTAL
2	5150.00	43.62	54.00	-10.38	6.52	3.43	33.67	0.00	Average	133	331 HORIZONTAL
3	5181.76	115.43			78.26	3.44	33.73	0.00	Peak	133	331 HORIZONTAL
4	5186.73	103.93			66.76	3.44	33.73	0.00	Average	133	331 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5150.00	46.87	54.00	-7.13	9.77	3.43	33.67	0.00	Average	132	329 HORIZONTAL
2	5150.00	72.59	74.00	-1.41	35.49	3.43	33.67	0.00	Peak	132	329 HORIZONTAL
3	5193.59	120.48			83.31	3.44	33.73	0.00	Peak	132	329 HORIZONTAL
4	5193.91	109.68			72.51	3.44	33.73	0.00	Average	132	329 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5145.83	68.39	74.00	-5.61	31.29	3.43	33.67	0.00	Peak	100	273 VERTICAL
2	5150.00	42.88	54.00	-11.12	5.78	3.43	33.67	0.00	Average	100	273 VERTICAL
3	5238.08	108.12			70.84	3.46	33.82	0.00	Average	100	273 VERTICAL
4	5238.40	119.21			81.93	3.46	33.82	0.00	Peak	100	273 VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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%
Test Engineer	Jim Huang	Configurations	IEEE 802.11a Ch 36, 40, 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 05, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.00	72.43	74.00	-1.57	35.33	3.43	33.67	0.00	Peak	201	326 HORIZONTAL
2	5150.00	43.47	54.00	-10.53	6.37	3.43	33.67	0.00	Average	201	326 HORIZONTAL
3	5186.80	114.41			77.24	3.44	33.73	0.00	Peak	201	326 HORIZONTAL
4	5187.00	103.13			65.96	3.44	33.73	0.00	Average	201	326 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5148.40	47.92	54.00	-6.08	10.82	3.43	33.67	0.00	Average	196	336 HORIZONTAL
2	5150.00	72.60	74.00	-1.40	35.50	3.43	33.67	0.00	Peak	196	336 HORIZONTAL
3	5202.00	109.24			72.03	3.45	33.76	0.00	Average	196	336 HORIZONTAL
4	5202.00	120.91			83.70	3.45	33.76	0.00	Peak	196	336 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5144.40	66.96	74.00	-7.04	29.86	3.43	33.67	0.00	Peak	129	337 HORIZONTAL
2	5150.00	45.16	54.00	-8.84	8.06	3.43	33.67	0.00	Average	129	337 HORIZONTAL
3	5238.40	123.84			86.56	3.46	33.82	0.00	Peak	129	337 HORIZONTAL
4	5238.80	112.74			75.46	3.46	33.82	0.00	Average	129	337 HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

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

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

4.8. Frequency Stability Measurement

4.8.1. Limit

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

4.8.2. Measuring Instruments and Setting

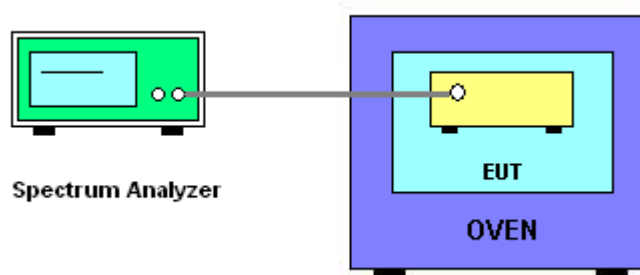
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RB	10 kHz
VB	10 kHz
Sweep Time	Auto

4.8.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6$ ppm and the limit is less than ± 20 ppm (IEEE 802.11n specification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature rule is $0^\circ\text{C} \sim 50^\circ\text{C}$.

4.8.4. Test Setup Layout



4.8.5. Test Deviation

There is no deviation with the original standard.

4.8.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.8.7. Test Result of Frequency Stability

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5200
126.50	5199.9772
110.00	5199.9766
93.50	5199.9760
Max. Deviation (MHz)	0.024000
Max. Deviation (ppm)	4.62

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5200
0	5199.9772
10	5199.9490
20	5199.9466
30	5199.9478
40	5199.9508
50	5199.9460
Max. Deviation (MHz)	0.054000
Max. Deviation (ppm)	10.38

4.9. Antenna Requirements

4.9.1. Limit

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

4.9.2. Antenna Connector Construction

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

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100377	9kHz ~ 2.75GHz	Oct. 23, 2012	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Nov. 26, 2012	Conduction (CO01-CB)
V- LISN	Schwarzbeck	NSLK 8127	8127-478	9kHz ~ 30MHz	Jun. 22, 2013	Conduction (CO01-CB)
Impulsbegrenzer Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz~30MHz	Feb. 21, 2013	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	0.15MHz~30MHz	Dec. 04, 2012	Conduction (CO01-CB)
Software	Audix	E3	5.410e	-	-	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	22021	20MHz ~ 2GHz	Apr. 16, 2013	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9 kHz - 30 MHz	Nov. 05, 2012*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz~18GHz	Nov. 27, 2012	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBEAK	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Nov. 23, 2012	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Nov. 27, 2012	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Nov. 23, 2012	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26.5GHz ~ 40GHz	Jul. 31, 2012	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100056	9kHz~40GHz	Nov. 16, 2012	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS 30	100355	9kHz ~ 2.75GHz	Apr. 15, 2013	Radiation (03CH01-CB)
Turn Table	INN CO	CO 2000	N/A	0 ~ 360 degree	N.C.R	Radiation (03CH01-CB)
Antenna Mast	INN CO	CO2000	N/A	1 m - 4 m	N.C.R	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz - 1 GHz	Nov. 18, 2012	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-1	N/A	1 GHz - 26.5 GHz	Nov. 18, 2012	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-2	N/A	1 GHz - 26.5 GHz	Nov. 18, 2012	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-3	N/A	1 GHz - 40 GHz	Nov. 18, 2012	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-4	N/A	1 GHz - 40 GHz	Nov. 18, 2012	Radiation (03CH01-CB)
Signal analyzer	R&S	FSV40	100979	9kHz~40GHz	Oct. 08, 2012	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 05, 2012	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 05, 2013	Conducted (TH01-CB)
RF Power Divider	Woken	2 Way	0120A02056002D	2GHz ~ 18GHz	Nov. 18, 2012	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Power Divider	Woken	3 Way	MDC2366	2GHz ~ 18GHz	Nov. 18, 2012	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-7	-	1 GHz – 26.5 GHz	Nov. 19, 2012	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-8	-	1 GHz – 26.5 GHz	Nov. 19, 2012	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-9	-	1 GHz – 26.5 GHz	Nov. 19, 2012	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-10	-	1 GHz – 26.5 GHz	Nov. 19, 2012	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-11	-	1 GHz – 26.5 GHz	Nov. 19, 2012	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	0917223	300MHz~40GHz	Nov. 28, 2012	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Nov. 27, 2012	Conducted (TH01-CB)

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

“*” Calibration Interval of instruments listed above is two years.

NCR means Non-Calibration required.

6. TEST LOCATION

SHIJR	ADD : 6Fl., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C. TEL : 886-2-2696-2468 FAX : 886-2-2696-2255
HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055
LINKOU	ADD : No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C TEL : 886-2-2601-1640 FAX : 886-2-2601-1695
DUNGHU	ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 886-2-2631-4739 FAX : 886-2-2631-9740
JUNGHE	ADD : 7Fl., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2626
NEIHU	ADD : 4Fl., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777
JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085