Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5720.58	100.65			91.94	7.41	34.43	33.13	186	36	Average	VERTICAL
2	5721.16	109.63			100.92	7.41	34.43	33.13	186	36	Peak	VERTICAL
3	5852.32	62.94	74.00	-11.06	54.06	7.54	34.51	33.17	186	36	Peak	VERTICAL
4	5881.26	50.27	54.00	-3.73	41.18	7.74	34.53	33.18	186	36	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.37	100.85			92.15	7.41	34.42	33.13	185	37	Average	VERTICAL
2	5715.95	110.54			101.84	7.41	34.42	33.13	185	37	Peak	VERTICAL
3	5880.10	50.00	54.00	-4.00	40.91	7.74	34.53	33.18	185	37	Average	VERTICAL
4	5890.52	62.11	74.00	-11.89	53.02	7.74	34.54	33.19	185	37	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.74	107.54			98.83	7.41	34.43	33.13	219	360	Peak	VERTICAL
2	5727.37	98.36			89.69	7.37	34.43	33.13	219	360	Average	VERTICAL
3	5853.47	49.57	54.00	-4.43	40.69	7.54	34.51	33.17	219	360	Average	VERTICAL
4	5854.63	60.94	74.00	-13.06	52.05	7.54	34.52	33.17	219	360	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5681.32	94.29			85.53	7.48	34.40	33.12	243	17	Average	HORIZONTAL
2	5686.38	105.28			96.51	7.48	34.41	33.12	243	17	Peak	HORIZONTAL
3	5851.45	51.01	54.00	-2.99	42.13	7.54	34.51	33.17	243	17	Average	HORIZONTAL
4	5859.41	62.86	74.00	-11.14	53.88	7.64	34.52	33.18	243	17	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.53	60.81	74.00	-13.19	52.91	7.21	33.74	33.05	182	257	Peak	HORIZONTAL
2	5149.57	48.37	54.00	-5.63	40.47	7.21	33.74	33.05	182	257	Average	HORIZONTAL
3	5262.60	114.24			106.03	7.34	33.93	33.06	182	257	Peak	HORIZONTAL
4	5263.47	104.00			95.79	7.34	33.93	33.06	182	257	Average	HORIZONTAL
5	5350.00	49.01	54.00	-4.99	40.71	7.30	34.06	33.06	182	257	Average	HORIZONTAL
6	5350.00	61.52	74.00	-12.48	53.22	7.30	34.06	33.06	182	257	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.89	113.00			104.76	7.32	33.98	33.06	153	255	Peak	HORIZONTAL
2	5303.47	103.36			95.12	7.32	33.98	33.06	153	255	Average	HORIZONTAL
3	5373.44	49.94	54.00	-4.06	41.61	7.30	34.09	33.06	153	255	Average	HORIZONTAL
4	5377.79	63.57	74.00	-10.43	55.22	7.30	34.11	33.06	153	255	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5317.25	113.81			105.54	7.32	34.01	33.06	183	144	Peak	HORIZONTAL
2	5326.51	103.50			95.21	7.32	34.03	33.06	183	144	Average	HORIZONTAL
3	5350.14	51.37	54.00	-2.63	43.07	7.30	34.06	33.06	183	144	Average	HORIZONTAL
4	5355.93	66.07	74.00	-7.93	57.77	7.30	34.06	33.06	183	144	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 15, 2015 ~ Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.97	50.56	54.00	-3.44	41.03	8.36	34.23	33.06	203	338	Average	VERTICAL
2	5460.00	63.42	74.00	-10.58	53.89	8.36	34.23	33.06	203	338	Peak	VERTICAL
3	5467.40	63.88	74.00	-10.12	54.28	8.41	34.25	33.06	203	338	Peak	VERTICAL
4	5468.26	50.85	54.00	-3.15	41.25	8.41	34.25	33.06	203	338	Average	VERTICAL
5	5498.26	113.88			104.13	8.51	34.30	33.06	203	338	Peak	VERTICAL
6	5499.42	104.31			94.56	8.51	34.30	33.06	203	338	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5423.10	50.41	54.00	-3.59	41.02	8.27	34.18	33.06	176	137	Average	HORIZONTAL
2	5424.54	63.01	74.00	-10.99	53.62	8.27	34.18	33.06	176	137	Peak	HORIZONTAL
3	5465.66	61.78	74.00	-12.22	52.18	8.41	34.25	33.06	176	137	Peak	HORIZONTAL
4	5470.00	48.42	54.00	-5.58	38.82	8.41	34.25	33.06	176	137	Average	HORIZONTAL
5	5583.62	104.74			94.73	8.75	34.35	33.09	176	137	Average	HORIZONTAL
6	5584.34	115.92			105.91	8.75	34.35	33.09	176	137	Peak	HORIZONTAL
7	5738.02	63.70	74.00	-10.30	53.93	8.47	34.44	33.14	176	137	Peak	HORIZONTAL
8	5819.07	50.80	54.00	-3.20	41.08	8.39	34.49	33.16	176	137	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.60	114.30			104.45	8.56	34.42	33.13	175	131	Peak	HORIZONTAL
2	5703.33	102.40			92.55	8.56	34.42	33.13	175	131	Average	HORIZONTAL
3	5725.00	52.97	54.00	-1.03	43.19	8.47	34.44	33.13	175	131	Average	HORIZONTAL
4	5726.16	68.37	74.00	-5.63	58.59	8.47	34.44	33.13	175	131	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5133.94	61.36	74.00	-12.64	52.60	8.09	33.72	33.05	175	239	Peak	HORIZONTAL
2	5150.00	47.87	54.00	-6.13	39.03	8.15	33.74	33.05	175	239	Average	HORIZONTAL
3	5255.66	114.23			105.11	8.27	33.91	33.06	175	239	Peak	HORIZONTAL
4	5265.64	102.67			93.53	8.26	33.94	33.06	175	239	Average	HORIZONTAL
5	5350.00	48.60	54.00	-5.40	39.40	8.20	34.06	33.06	175	239	Average	HORIZONTAL
6	5350.00	61.91	74.00	-12.09	52.71	8.20	34.06	33.06	175	239	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5305.21	102.11			92.95	8.24	33.98	33.06	175	240	Average	HORIZONTAL
2	5305.21	114.27			105.11	8.24	33.98	33.06	175	240	Peak	HORIZONTAL
3	5350.00	49.17	54.00	-4.83	39.97	8.20	34.06	33.06	175	240	Average	HORIZONTAL
4	5351.45	61.70	74.00	-12.30	52.50	8.20	34.06	33.06	175	240	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.80	114.33			105.15	8.23	34.01	33.06	176	247	Peak	HORIZONTAL
2	5325.79	101.90			92.71	8.22	34.03	33.06	176	247	Average	HORIZONTAL
3	5350.00	52.91	54.00	-1.09	43.71	8.20	34.06	33.06	176	247	Average	HORIZONTAL
4	5350.00	68.88	74.00	-5.12	59.68	8.20	34.06	33.06	176	247	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.96	49.55	54.00	-4.45	40.02	8.36	34.23	33.06	175	146	Average	HORIZONTAL
2	5459.71	63.24	74.00	-10.76	53.71	8.36	34.23	33.06	175	146	Peak	HORIZONTAL
3	5466.67	68.35	74.00	-5.65	58.75	8.41	34.25	33.06	175	146	Peak	HORIZONTAL
4	5466.82	50.67	54.00	-3.33	41.07	8.41	34.25	33.06	175	146	Average	HORIZONTAL
5	5492.19	102.68			93.00	8.46	34.28	33.06	175	146	Average	HORIZONTAL
6	5492.47	115.02			105.34	8.46	34.28	33.06	175	146	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5415.86	62.76	74.00	-11.24	53.45	8.22	34.15	33.06	175	143	Peak	HORIZONTAL
2	5426.71	50.05	54.00	-3.95	40.66	8.27	34.18	33.06	175	143	Average	HORIZONTAL
3	5470.00	48.48	54.00	-5.52	38.88	8.41	34.25	33.06	175	143	Average	HORIZONTAL
4	5470.00	61.29	74.00	-12.71	51.69	8.41	34.25	33.06	175	143	Peak	HORIZONTAL
5	5577.83	116.03			106.01	8.75	34.35	33.08	175	143	Peak	HORIZONTAL
6	5582.17	104.40			94.39	8.75	34.35	33.09	175	143	Average	HORIZONTAL
7	5751.77	62.87	74.00	-11.13	53.13	8.43	34.45	33.14	175	143	Peak	HORIZONTAL
8	5820.51	50.24	54.00	-3.76	40.52	8.39	34.49	33.16	175	143	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.66	113.26			103.41	8.56	34.42	33.13	175	260	Peak	HORIZONTAL
2	5695.80	101.34			91.49	8.56	34.42	33.13	175	260	Average	HORIZONTAL
3	5725.00	69.09	74.00	-4.91	59.31	8.47	34.44	33.13	175	260	Peak	HORIZONTAL
4	5725.58	52.85	54.00	-1.15	43.07	8.47	34.44	33.13	175	260	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5255.24	99.96			90.84	8.27	33.91	33.06	175	243	Average	HORIZONTAL
2	5255.53	113.08			103.96	8.27	33.91	33.06	175	243	Peak	HORIZONTAL
3	5350.29	50.26	54.00	-3.74	41.06	8.20	34.06	33.06	175	243	Average	HORIZONTAL
4	5351.74	64.00	74.00	-10.00	54.80	8.20	34.06	33.06	175	243	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.21	95.27			86.09	8.23	34.01	33.06	175	309	Average	VERTICAL
2	5325.05	105.26			96.07	8.22	34.03	33.06	175	309	Peak	VERTICAL
3	5350.00	52.93	54.00	-1.07	43.73	8.20	34.06	33.06	175	309	Average	VERTICAL
4	5350.00	65.52	74.00	-8.48	56.32	8.20	34.06	33.06	175	309	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.26	51.59	54.00	-2.41	42.06	8.36	34.23	33.06	175	143	Average	HORIZONTAL
2	5459.71	64.94	74.00	-9.06	55.41	8.36	34.23	33.06	175	143	Peak	HORIZONTAL
3	5467.40	52.89	54.00	-1.11	43.29	8.41	34.25	33.06	175	143	Average	HORIZONTAL
4	5468.26	69.20	74.00	-4.80	59.60	8.41	34.25	33.06	175	143	Peak	HORIZONTAL
5	5502.19	110.82			101.07	8.51	34.30	33.06	175	143	Peak	HORIZONTAL
6	5522.16	100.53			90.73	8.56	34.31	33.07	175	143	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.95	50.41	54.00	-3.59	40.88	8.36	34.23	33.06	175	143	Average	HORIZONTAL
2	5457.68	62.95	74.00	-11.05	53.42	8.36	34.23	33.06	175	143	Peak	HORIZONTAL
3	5466.82	63.22	74.00	-10.78	53.62	8.41	34.25	33.06	175	143	Peak	HORIZONTAL
4	5467.40	50.79	54.00	-3.21	41.19	8.41	34.25	33.06	175	143	Average	HORIZONTAL
5	5547.11	103.46			93.56	8.65	34.33	33.08	175	143	Average	HORIZONTAL
6	5552.03	113.62			103.72	8.65	34.33	33.08	175	143	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5681.87	111.18			101.29	8.60	34.41	33.12	175	136	Peak	HORIZONTAL
2	5682.16	100.25			90.36	8.60	34.41	33.12	175	136	Average	HORIZONTAL
3	5726.16	66.61	68.20	-1.59	56.83	8.47	34.44	33.13	175	136	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5272.63	103.12			93.98	8.26	33.94	33.06	190	309	Peak	VERTICAL
2	5277.70	93.26			84.11	8.25	33.96	33.06	190	309	Average	VERTICAL
3	5352.89	62.97	74.00	-11.03	53.77	8.20	34.06	33.06	190	309	Peak	VERTICAL
4	5353.62	52.93	54.00	-1.07	43.73	8.20	34.06	33.06	190	309	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5434.67	65.53	74.00	-8.47	56.07	8.32	34.20	33.06	175	142	Peak	HORIZONTAL
2	5456.38	52.85	54.00	-1.15	43.32	8.36	34.23	33.06	175	142	Average	HORIZONTAL
3	5460.59	64.38	68.20	-3.82	54.85	8.36	34.23	33.06	175	142	Peak	HORIZONTAL
4	5542.30	97.46			87.61	8.61	34.32	33.08	175	142	Average	HORIZONTAL
5	5542.30	107.63			97.78	8.61	34.32	33.08	175	142	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5582.50	98.91			88.90	8.75	34.35	33.09	175	144	Average	HORIZONTAL
2	5602.04	108.81			98.75	8.80	34.36	33.10	175	144	Peak	HORIZONTAL
3	5727.89	66.92	68.20	-1.28	57.15	8.47	34.44	33.14	175	144	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5610 MHz.

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5721.45	104.31			94.50	8.51	34.43	33.13	175	246	Average	HORIZONTAL
2	5722.89	115.23			105.45	8.47	34.44	33.13	175	246	Peak	HORIZONTAL
3	5881.84	50.52	54.00	-3.48	40.45	8.72	34.53	33.18	175	246	Average	HORIZONTAL
4	5882.56	63.08	74.00	-10.92	53.01	8.72	34.53	33.18	175	246	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5720.72	115.08			105.27	8.51	34.43	33.13	175	245	Peak	HORIZONTAL
2	5725.79	103.68			93.90	8.47	34.44	33.13	175	245	Average	HORIZONTAL
3	5885.46	50.50	54.00	-3.50	40.43	8.72	34.53	33.18	175	245	Average	HORIZONTAL
4	5886.90	63.25	74.00	-10.75	53.18	8.72	34.53	33.18	175	245	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.66	101.41			91.60	8.51	34.43	33.13	175	254	Average	HORIZONTAL
2	5725.92	111.94			102.16	8.47	34.44	33.13	175	254	Peak	HORIZONTAL
3	5870.98	50.53	54.00	-3.47	40.55	8.64	34.52	33.18	175	254	Average	HORIZONTAL
4	5893.42	62.42	74.00	-11.58	52.26	8.80	34.54	33.18	175	254	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5676.98	98.83			88.94	8.60	34.41	33.12	175	137	Average	HORIZONTAL
2	5687.83	109.92			100.03	8.60	34.41	33.12	175	137	Peak	HORIZONTAL
3	5850.72	66.00	68.20	-2.20	56.10	8.56	34.51	33.17	175	137	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5114.20	57.98	74.00	-16.02	51.20	6.14	33.69	33.05	195	360	Peak	VERTICAL
2	5114.80	45.86	54.00	-8.14	39.08	6.14	33.69	33.05	195	360	Average	VERTICAL
3	5266.00	100.40			93.19	6.34	33.93	33.06	195	360	Average	VERTICAL
4	5266.60	109.91			102.70	6.34	33.93	33.06	195	360	Peak	VERTICAL
5	5353.00	59.32	74.00	-14.68	51.85	6.47	34.06	33.06	195	360	Peak	VERTICAL
6	5356.60	47.81	54.00	-6.19	40.34	6.47	34.06	33.06	195	360	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.80	100.03			92.74	6.37	33.98	33.06	186	0	Average	VERTICAL
2	5298.00	110.86			103.54	6.40	33.98	33.06	186	0	Peak	VERTICAL
3	5374.40	48.16	54.00	-5.84	40.63	6.50	34.09	33.06	186	0	Average	VERTICAL
4	5374.80	60.19	74.00	-13.81	52.66	6.50	34.09	33.06	186	0	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.80	99.54			92.19	6.40	34.01	33.06	198	360	Average	VERTICAL
2	5314.20	109.07			101.72	6.40	34.01	33.06	198	360	Peak	VERTICAL
3	5350.00	50.79	54.00	-3.21	43.32	6.47	34.06	33.06	198	360	Average	VERTICAL
4	5353.00	66.97	74.00	-7.03	59.50	6.47	34.06	33.06	198	360	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.80	49.10	54.00	-4.90	41.34	6.60	34.22	33.06	252	0	Average	VERTICAL
2	5457.40	62.14	74.00	-11.86	54.38	6.60	34.22	33.06	252	0	Peak	VERTICAL
3	5469.60	66.22	68.20	-1.98	58.43	6.60	34.25	33.06	252	0	Peak	VERTICAL
4	5492.80	100.94			93.10	6.63	34.27	33.06	252	0	Average	VERTICAL
5	5498.00	112.06			104.19	6.63	34.30	33.06	252	0	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5355.00	48.50	54.00	-5.50	41.03	6.47	34.06	33.06	242	0	Average	VERTICAL
2	5416.00	59.84	74.00	-14.16	52.20	6.53	34.17	33.06	242	0	Peak	VERTICAL
3	5468.00	59.55	68.20	-8.65	51.76	6.60	34.25	33.06	242	0	Peak	VERTICAL
4	5582.00	112.18			104.20	6.72	34.35	33.09	242	0	Peak	VERTICAL
5	5587.00	101.77			93.79	6.72	34.35	33.09	242	0	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.80	97.39			89.29	6.81	34.41	33.12	185	360	Average	VERTICAL
2	5697.80	108.24			100.14	6.81	34.41	33.12	185	360	Peak	VERTICAL
3	5725.00	66.95	68.20	-1.25	58.82	6.83	34.43	33.13	185	360	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1
Test Date	Nov. 04, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5110.00	46.01	54.00	-7.99	39.23	6.14	33.69	33.05	204	330	Average	VERTICAL
2	5116.00	57.91	74.00	-16.09	51.13	6.14	33.69	33.05	204	330	Peak	VERTICAL
3	5261.20	109.35			102.14	6.34	33.93	33.06	204	330	Peak	VERTICAL
4	5266.60	99.25			92.04	6.34	33.93	33.06	204	330	Average	VERTICAL
5	5364.40	47.79	54.00	-6.21	40.29	6.47	34.09	33.06	204	330	Average	VERTICAL
6	5386.60	59.60	74.00	-14.40	52.05	6.50	34.11	33.06	204	330	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5293.60	108.22			100.93	6.37	33.98	33.06	230	3	Peak	VERTICAL
2	5294.00	98.81			91.52	6.37	33.98	33.06	230	3	Average	VERTICAL
3	5369.60	60.50	74.00	-13.50	53.00	6.47	34.09	33.06	230	3	Peak	VERTICAL
4	5380.40	48.15	54.00	-5.85	40.60	6.50	34.11	33.06	230	3	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.40	98.41			91.06	6.40	34.01	33.06	218	336	Average	VERTICAL
2	5315.00	108.52			101.17	6.40	34.01	33.06	218	336	Peak	VERTICAL
3	5350.00	51.76	54.00	-2.24	44.29	6.47	34.06	33.06	218	336	Average	VERTICAL
4	5350.80	66.20	74.00	-7.80	58.73	6.47	34.06	33.06	218	336	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1
Test Date	Nov. 04, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5451.40	61.42	74.00	-12.58	53.66	6.60	34.22	33.06	232	2	Peak	VERTICAL
2	5458.40	49.12	54.00	-4.88	41.36	6.60	34.22	33.06	232	2	Average	VERTICAL
3	5470.00	67.13	68.20	-1.07	59.34	6.60	34.25	33.06	232	2	Peak	VERTICAL
4	5497.60	111.73			103.86	6.63	34.30	33.06	232	2	Peak	VERTICAL
5	5506.40	100.49			92.61	6.65	34.30	33.07	232	2	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5424.00	48.85	54.00	-5.15	41.21	6.53	34.17	33.06	229	360	Average	VERTICAL
2	5427.00	60.60	74.00	-13.40	52.93	6.56	34.17	33.06	229	360	Peak	VERTICAL
3	5463.00	59.59	68.20	-8.61	51.80	6.60	34.25	33.06	229	360	Peak	VERTICAL
4	5582.00	100.76			92.78	6.72	34.35	33.09	229	360	Average	VERTICAL
5	5583.00	110.04			102.06	6.72	34.35	33.09	229	360	Peak	VERTICAL
6	5821.00	61.13	68.20	-7.07	52.87	6.92	34.50	33.16	229	360	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.00	97.14			89.04	6.81	34.41	33.12	231	337	Average	VERTICAL
2	5698.00	107.72			99.62	6.81	34.41	33.12	231	337	Peak	VERTICAL
3	5731.60	67.13	68.20	-1.07	58.98	6.86	34.43	33.14	231	337	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1
Test Date	Nov. 04, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5264.80	97.95			90.74	6.34	33.93	33.06	186	360	Average	VERTICAL
2	5266.80	108.29			101.08	6.34	33.93	33.06	186	360	Peak	VERTICAL
3	5350.80	48.81	54.00	-5.19	41.34	6.47	34.06	33.06	186	360	Average	VERTICAL
4	5353.20	61.62	74.00	-12.38	54.15	6.47	34.06	33.06	186	360	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5293.60	93.50			86.21	6.37	33.98	33.06	188	359	Average	VERTICAL
2	5298.40	102.89			95.57	6.40	33.98	33.06	188	359	Peak	VERTICAL
3	5350.40	52.70	54.00	-1.30	45.23	6.47	34.06	33.06	188	359	Average	VERTICAL
4	5352.00	66.82	74.00	-7.18	59.35	6.47	34.06	33.06	188	359	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1
Test Date	Nov. 04, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.00	49.35	54.00	-4.65	41.59	6.60	34.22	33.06	240	15	Average	VERTICAL
2	5460.00	63.93	74.00	-10.07	56.17	6.60	34.22	33.06	240	15	Peak	VERTICAL
3	5463.00	67.03	68.20	-1.17	59.24	6.60	34.25	33.06	240	15	Peak	VERTICAL
4	5514.00	107.30			99.41	6.65	34.31	33.07	240	15	Peak	VERTICAL
5	5525.00	97.00			89.11	6.65	34.31	33.07	240	15	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.00	49.46	54.00	-4.54	41.70	6.60	34.22	33.06	254	335	Average	VERTICAL
2	5457.00	62.49	74.00	-11.51	54.73	6.60	34.22	33.06	254	335	Peak	VERTICAL
3	5470.00	61.96	68.20	-6.24	54.17	6.60	34.25	33.06	254	335	Peak	VERTICAL
4	5534.00	110.56			102.64	6.68	34.32	33.08	254	335	Peak	VERTICAL
5	5536.00	100.74			92.82	6.68	34.32	33.08	254	335	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5661.20	106.09			98.03	6.79	34.39	33.12	260	4	Peak	VERTICAL
2	5684.00	95.90			87.80	6.81	34.41	33.12	260	4	Average	VERTICAL
3	5738.00	67.18	68.20	-1.02	59.02	6.86	34.44	33.14	260	4	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1
Test Date	Nov. 04, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5263.00	90.30			83.09	6.34	33.93	33.06	190	360	Average	VERTICAL
2	5267.00	99.95			92.74	6.34	33.93	33.06	190	360	Peak	VERTICAL
3	5350.00	52.69	54.00	-1.31	45.22	6.47	34.06	33.06	190	360	Average	VERTICAL
4	5353.00	63.35	74.00	-10.65	55.88	6.47	34.06	33.06	190	360	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.00	67.51	74.00	-6.49	59.75	6.60	34.22	33.06	213	336	Peak	VERTICAL
2	5460.00	52.09	54.00	-1.91	44.33	6.60	34.22	33.06	213	336	Average	VERTICAL
3	5465.00	67.05	68.20	-1.15	59.26	6.60	34.25	33.06	213	336	Peak	VERTICAL
4	5543.00	105.42			97.50	6.68	34.32	33.08	213	336	Peak	VERTICAL
5	5543.00	94.49			86.57	6.68	34.32	33.08	213	336	Average	VERTICAL
6	5747.00	60.62	68.20	-7.58	52.46	6.86	34.44	33.14	213	336	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	61.45	74.00	-12.55	53.69	6.60	34.22	33.06	234	3	Peak	VERTICAL
2	5465.00	63.14	68.20	-5.06	55.35	6.60	34.25	33.06	234	3	Peak	VERTICAL
3	5582.00	93.81			85.83	6.72	34.35	33.09	234	3	Average	VERTICAL
4	5594.00	103.80			95.82	6.72	34.35	33.09	234	3	Peak	VERTICAL
5	5727.00	64.04	68.20	-4.16	55.91	6.83	34.43	33.13	234	3	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5610 MHz.

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1
Test Date	Nov. 04, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5718.00	97.03			88.90	6.83	34.43	33.13	188	10	Peak	HORIZONTAL
2	5724.00	86.27			78.14	6.83	34.43	33.13	188	10	Average	HORIZONTAL
3	5887.00	60.74	68.20	-7.46	52.41	6.99	34.53	33.19	188	10	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1
Test Date	Nov. 04, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5723.00	94.32			86.19	6.83	34.43	33.13	248	280	Peak	HORIZONTAL
2	5727.20	84.94			76.81	6.83	34.43	33.13	248	280	Average	HORIZONTAL
3	5861.00	61.41	68.20	-6.79	53.10	6.97	34.52	33.18	248	280	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1
Test Date	Nov. 04, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.00	82.92			74.82	6.81	34.41	33.12	248	328	Average	HORIZONTAL
2	5700.00	92.59			84.49	6.81	34.41	33.12	248	328	Peak	HORIZONTAL
3	5874.00	61.09	68.20	-7.11	52.77	6.97	34.53	33.18	248	328	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1
Test Date	Nov. 04, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5682.00	91.97			83.88	6.81	34.40	33.12	236	359	Average	VERTICAL
2	5724.00	100.97			92.84	6.83	34.43	33.13	236	359	Peak	VERTICAL
3	5869.00	61.44	68.20	-6.76	53.13	6.97	34.52	33.18	236	359	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5110.00	46.54	54.00	-7.46	39.76	6.14	33.69	33.05	187	14	Average	VERTICAL
2	5121.40	58.45	74.00	-15.55	51.64	6.17	33.69	33.05	187	14	Peak	VERTICAL
3	5254.60	105.28			98.10	6.34	33.90	33.06	187	14	Average	VERTICAL
4	5254.60	114.46			107.28	6.34	33.90	33.06	187	14	Peak	VERTICAL
5	5354.80	48.40	54.00	-5.60	40.93	6.47	34.06	33.06	187	14	Average	VERTICAL
6	5390.20	59.73	74.00	-14.27	52.18	6.50	34.11	33.06	187	14	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.80	103.97			96.68	6.37	33.98	33.06	213	329	Average	VERTICAL
2	5297.20	113.41			106.09	6.40	33.98	33.06	213	329	Peak	VERTICAL
3	5353.20	60.69	74.00	-13.31	53.22	6.47	34.06	33.06	213	329	Peak	VERTICAL
4	5372.40	48.85	54.00	-5.15	41.35	6.47	34.09	33.06	213	329	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5317.20	103.84			96.49	6.40	34.01	33.06	194	331	Average	VERTICAL
2	5317.60	114.06			106.71	6.40	34.01	33.06	194	331	Peak	VERTICAL
3	5350.80	66.53	74.00	-7.47	59.06	6.47	34.06	33.06	194	331	Peak	VERTICAL
4	5352.00	51.95	54.00	-2.05	44.48	6.47	34.06	33.06	194	331	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.60	62.08	74.00	-11.92	54.32	6.60	34.22	33.06	190	3	Peak	VERTICAL
2	5460.00	49.88	54.00	-4.12	42.12	6.60	34.22	33.06	190	3	Average	VERTICAL
3	5470.00	51.65	54.00	-2.35	43.86	6.60	34.25	33.06	190	3	Average	VERTICAL
4	5470.00	65.61	74.00	-8.39	57.82	6.60	34.25	33.06	190	3	Peak	VERTICAL
5	5506.20	114.08			106.20	6.65	34.30	33.07	190	3	Peak	VERTICAL
6	5506.40	104.52			96.64	6.65	34.30	33.07	190	3	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5446.20	60.08	74.00	-13.92	52.36	6.56	34.22	33.06	218	7	Peak	VERTICAL
2	5453.40	47.94	54.00	-6.06	40.18	6.60	34.22	33.06	218	7	Average	VERTICAL
3	5468.40	48.18	54.00	-5.82	40.39	6.60	34.25	33.06	218	7	Average	VERTICAL
4	5469.60	60.30	74.00	-13.70	52.51	6.60	34.25	33.06	218	7	Peak	VERTICAL
5	5585.40	103.92			95.94	6.72	34.35	33.09	218	7	Average	VERTICAL
6	5586.00	113.53			105.55	6.72	34.35	33.09	218	7	Peak	VERTICAL
7	5725.80	47.12	54.00	-6.88	38.99	6.83	34.43	33.13	218	7	Average	VERTICAL
8	5730.00	58.42	74.00	-15.58	50.29	6.83	34.43	33.13	218	7	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.80	101.23			93.13	6.81	34.41	33.12	199	13	Average	VERTICAL
2	5705.00	110.78			102.66	6.83	34.42	33.13	199	13	Peak	VERTICAL
3	5725.80	67.14	68.20	-1.06	59.01	6.83	34.43	33.13	199	13	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5259.40	112.04			104.83	6.34	33.93	33.06	227	355	Peak	VERTICAL
2	5261.20	102.33			95.12	6.34	33.93	33.06	227	355	Average	VERTICAL
3	5352.40	47.59	54.00	-6.41	40.12	6.47	34.06	33.06	227	355	Average	VERTICAL
4	5366.20	60.29	74.00	-13.71	52.79	6.47	34.09	33.06	227	355	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.00	102.78			95.52	6.37	33.95	33.06	223	16	Average	VERTICAL
2	5292.40	111.88			104.62	6.37	33.95	33.06	223	16	Peak	VERTICAL
3	5355.20	60.56	74.00	-13.44	53.09	6.47	34.06	33.06	223	16	Peak	VERTICAL
4	5360.00	48.67	54.00	-5.33	41.20	6.47	34.06	33.06	223	16	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.40	102.87			95.52	6.40	34.01	33.06	189	1	Average	VERTICAL
2	5318.80	112.26			104.91	6.40	34.01	33.06	189	1	Peak	VERTICAL
3	5351.00	52.42	54.00	-1.58	44.95	6.47	34.06	33.06	189	1	Average	VERTICAL
4	5353.60	65.84	74.00	-8.16	58.37	6.47	34.06	33.06	189	1	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	61.83	74.00	-12.17	54.07	6.60	34.22	33.06	187	360	Peak	VERTICAL
2	5458.40	50.29	54.00	-3.71	42.53	6.60	34.22	33.06	187	360	Average	VERTICAL
3	5468.80	52.50	54.00	-1.50	44.71	6.60	34.25	33.06	187	360	Average	VERTICAL
4	5469.00	66.20	74.00	-7.80	58.41	6.60	34.25	33.06	187	360	Peak	VERTICAL
5	5493.40	103.92			96.08	6.63	34.27	33.06	187	360	Average	VERTICAL
6	5498.20	113.50			105.63	6.63	34.30	33.06	187	360	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5413.00	60.60	74.00	-13.40	52.96	6.53	34.17	33.06	195	334	Peak	VERTICAL
2	5425.00	50.32	54.00	-3.68	42.65	6.56	34.17	33.06	195	334	Average	VERTICAL
3	5461.00	59.45	74.00	-14.55	51.69	6.60	34.22	33.06	195	334	Peak	VERTICAL
4	5470.00	48.18	54.00	-5.82	40.39	6.60	34.25	33.06	195	334	Average	VERTICAL
5	5583.00	103.87			95.89	6.72	34.35	33.09	195	334	Average	VERTICAL
6	5586.00	113.49			105.51	6.72	34.35	33.09	195	334	Peak	VERTICAL
7	5821.00	50.31	54.00	-3.69	42.05	6.92	34.50	33.16	195	334	Average	VERTICAL
8	5821.00	61.31	74.00	-12.69	53.05	6.92	34.50	33.16	195	334	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.60	100.69			92.59	6.81	34.41	33.12	200	333	Average	VERTICAL
2	5703.80	110.20			102.09	6.81	34.42	33.12	200	333	Peak	VERTICAL
3	5725.20	69.22	74.00	-4.78	61.09	6.83	34.43	33.13	200	333	Peak	VERTICAL
4	5727.00	52.80	54.00	-1.20	44.67	6.83	34.43	33.13	200	333	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5252.80	99.54			92.36	6.34	33.90	33.06	220	8	Average	VERTICAL
2	5254.80	109.35			102.17	6.34	33.90	33.06	220	8	Peak	VERTICAL
3	5350.40	63.30	74.00	-10.70	55.83	6.47	34.06	33.06	220	8	Peak	VERTICAL
4	5352.40	48.61	54.00	-5.39	41.14	6.47	34.06	33.06	220	8	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5308.80	105.28			97.96	6.40	33.98	33.06	194	331	Peak	VERTICAL
2	5313.60	95.40			88.05	6.40	34.01	33.06	194	331	Average	VERTICAL
3	5351.20	52.87	54.00	-1.13	45.40	6.47	34.06	33.06	194	331	Average	VERTICAL
4	5353.20	64.82	74.00	-9.18	57.35	6.47	34.06	33.06	194	331	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	50.22	54.00	-3.78	42.46	6.60	34.22	33.06	191	0	Average	VERTICAL
2	5458.80	62.69	74.00	-11.31	54.93	6.60	34.22	33.06	191	0	Peak	VERTICAL
3	5468.00	67.09	74.00	-6.91	59.30	6.60	34.25	33.06	191	0	Peak	VERTICAL
4	5468.40	52.45	54.00	-1.55	44.66	6.60	34.25	33.06	191	0	Average	VERTICAL
5	5518.80	108.69			100.80	6.65	34.31	33.07	191	0	Peak	VERTICAL
6	5521.20	99.29			91.40	6.65	34.31	33.07	191	0	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5453.00	60.51	74.00	-13.49	52.75	6.60	34.22	33.06	194	335	Peak	VERTICAL
2	5468.00	62.28	68.20	-5.92	54.49	6.60	34.25	33.06	194	335	Peak	VERTICAL
3	5536.00	102.83			94.91	6.68	34.32	33.08	194	335	Average	VERTICAL
4	5536.00	112.84			104.92	6.68	34.32	33.08	194	335	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5679.60	108.18			100.09	6.81	34.40	33.12	194	346	Peak	VERTICAL
2	5684.40	98.37			90.27	6.81	34.41	33.12	194	346	Average	VERTICAL
3	5726.40	67.13	68.20	-1.07	59.00	6.83	34.43	33.13	194	346	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5261.00	92.28			85.07	6.34	33.93	33.06	196	0	Average	VERTICAL
2	5262.00	102.23			95.02	6.34	33.93	33.06	196	0	Peak	VERTICAL
3	5351.00	52.82	54.00	-1.18	45.35	6.47	34.06	33.06	196	0	Average	VERTICAL
4	5362.00	64.08	74.00	-9.92	56.58	6.47	34.09	33.06	196	0	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5437.00	65.33	74.00	-8.67	57.64	6.56	34.19	33.06	195	335	Peak	VERTICAL
2	5460.00	52.52	54.00	-1.48	44.76	6.60	34.22	33.06	195	335	Average	VERTICAL
3	5470.00	64.74	68.20	-3.46	56.95	6.60	34.25	33.06	195	335	Peak	VERTICAL
4	5543.00	95.82			87.90	6.68	34.32	33.08	195	335	Average	VERTICAL
5	5543.00	106.69			98.77	6.68	34.32	33.08	195	335	Peak	VERTICAL
6	5767.00	59.44	68.20	-8.76	51.25	6.88	34.46	33.15	195	335	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.00	61.25	74.00	-12.75	53.49	6.60	34.22	33.06	212	5	Peak	VERTICAL
2	5460.00	49.54	54.00	-4.46	41.78	6.60	34.22	33.06	212	5	Average	VERTICAL
3	5465.00	63.83	68.20	-4.37	56.04	6.60	34.25	33.06	212	5	Peak	VERTICAL
4	5583.00	94.96			86.98	6.72	34.35	33.09	212	5	Average	VERTICAL
5	5595.00	105.08			97.10	6.72	34.35	33.09	212	5	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	101.10			92.98	6.83	34.42	33.13	149	14	Average	HORIZONTAL
2	5715.20	110.38			102.26	6.83	34.42	33.13	149	14	Peak	HORIZONTAL
3	5873.60	61.60	68.20	-6.60	53.28	6.97	34.53	33.18	149	14	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.00	110.43			102.31	6.83	34.42	33.13	186	4	Peak	VERTICAL
2	5718.00	100.77			92.64	6.83	34.43	33.13	186	4	Average	VERTICAL
3	5879.00	62.58	68.20	-5.62	54.26	6.97	34.53	33.18	186	4	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.00	98.07			89.97	6.81	34.41	33.12	195	11	Average	VERTICAL
2	5695.00	108.72			100.62	6.81	34.41	33.12	195	11	Peak	VERTICAL
3	5888.00	61.03	68.20	-7.17	52.69	6.99	34.54	33.19	195	11	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.00	93.56			85.46	6.81	34.41	33.12	190	14	Average	VERTICAL
2	5702.00	104.13			96.02	6.81	34.42	33.12	190	14	Peak	VERTICAL
3	5858.00	60.94	68.20	-7.26	52.63	6.97	34.52	33.18	190	14	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5118.40	57.95	74.00	-16.05	51.14	6.17	33.69	33.05	205	2	Peak	VERTICAL
2	5129.80	46.56	54.00	-7.44	39.73	6.17	33.71	33.05	205	2	Average	VERTICAL
3	5263.60	107.73			100.52	6.34	33.93	33.06	205	2	Average	VERTICAL
4	5264.20	116.89			109.68	6.34	33.93	33.06	205	2	Peak	VERTICAL
5	5359.60	47.92	54.00	-6.08	40.45	6.47	34.06	33.06	205	2	Average	VERTICAL
6	5363.80	59.88	74.00	-14.12	52.38	6.47	34.09	33.06	205	2	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.40	116.32			109.06	6.37	33.95	33.06	200	3	Peak	VERTICAL
2	5292.80	107.18			99.89	6.37	33.98	33.06	200	3	Average	VERTICAL
3	5354.40	60.52	74.00	-13.48	53.05	6.47	34.06	33.06	200	3	Peak	VERTICAL
4	5373.20	49.50	54.00	-4.50	42.00	6.47	34.09	33.06	200	3	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.40	115.63			108.28	6.40	34.01	33.06	198	2	Peak	VERTICAL
2	5313.20	105.67			98.32	6.40	34.01	33.06	198	2	Average	VERTICAL
3	5352.80	51.92	54.00	-2.08	44.45	6.47	34.06	33.06	198	2	Average	VERTICAL
4	5354.80	66.45	74.00	-7.55	58.98	6.47	34.06	33.06	198	2	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5412.40	62.22	74.00	-11.78	54.58	6.53	34.17	33.06	198	3	Peak	VERTICAL
2	5421.60	51.45	54.00	-2.55	43.81	6.53	34.17	33.06	198	3	Average	VERTICAL
3	5470.00	66.70	68.20	-1.50	58.91	6.60	34.25	33.06	198	3	Peak	VERTICAL
4	5492.80	108.03			100.19	6.63	34.27	33.06	198	3	Average	VERTICAL
5	5492.80	117.27			109.43	6.63	34.27	33.06	198	3	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5420.80	62.80	74.00	-11.20	55.16	6.53	34.17	33.06	188	338	Peak	VERTICAL
2	5421.60	52.58	54.00	-1.42	44.94	6.53	34.17	33.06	188	338	Average	VERTICAL
3	5470.00	58.88	68.20	-9.32	51.09	6.60	34.25	33.06	188	338	Peak	VERTICAL
4	5582.40	109.40			101.42	6.72	34.35	33.09	188	338	Average	VERTICAL
5	5582.40	118.96			110.98	6.72	34.35	33.09	188	338	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.60	104.86			96.76	6.81	34.41	33.12	201	335	Average	VERTICAL
2	5694.00	114.48			106.38	6.81	34.41	33.12	201	335	Peak	VERTICAL
3	5725.60	67.01	68.20	-1.19	58.88	6.83	34.43	33.13	201	335	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 02, 2015 ~ Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.40	58.21	74.00	-15.79	51.35	6.17	33.74	33.05	198	2	Peak	VERTICAL
2	5145.40	46.20	54.00	-7.80	39.30	6.21	33.74	33.05	198	2	Average	VERTICAL
3	5258.20	116.56			109.38	6.34	33.90	33.06	198	2	Peak	VERTICAL
4	5263.60	106.84			99.63	6.34	33.93	33.06	198	2	Average	VERTICAL
5	5351.20	47.96	54.00	-6.04	40.49	6.47	34.06	33.06	198	2	Average	VERTICAL
6	5387.20	59.73	74.00	-14.27	52.18	6.50	34.11	33.06	198	2	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5293.60	106.24			98.95	6.37	33.98	33.06	198	1	Average	VERTICAL
2	5298.00	116.10			108.78	6.40	33.98	33.06	198	1	Peak	VERTICAL
3	5368.40	61.04	74.00	-12.96	53.54	6.47	34.09	33.06	198	1	Peak	VERTICAL
4	5373.60	49.01	54.00	-4.99	41.48	6.50	34.09	33.06	198	1	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5314.80	104.44			97.09	6.40	34.01	33.06	194	11	Average	VERTICAL
2	5314.80	116.03			108.68	6.40	34.01	33.06	194	11	Peak	VERTICAL
3	5350.00	67.34	74.00	-6.66	59.87	6.47	34.06	33.06	194	11	Peak	VERTICAL
4	5350.80	52.98	54.00	-1.02	45.51	6.47	34.06	33.06	194	11	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.60	51.30	54.00	-2.70	43.54	6.60	34.22	33.06	197	335	Average	VERTICAL
2	5458.40	63.16	74.00	-10.84	55.40	6.60	34.22	33.06	197	335	Peak	VERTICAL
3	5468.80	67.09	68.20	-1.11	59.30	6.60	34.25	33.06	197	335	Peak	VERTICAL
4	5492.80	116.71			108.87	6.63	34.27	33.06	197	335	Peak	VERTICAL
5	5493.60	107.34			99.50	6.63	34.27	33.06	197	335	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5424.80	51.55	54.00	-2.45	43.88	6.56	34.17	33.06	193	343	Average	VERTICAL
2	5424.80	62.41	74.00	-11.59	54.74	6.56	34.17	33.06	193	343	Peak	VERTICAL
3	5470.00	59.39	68.20	-8.81	51.60	6.60	34.25	33.06	193	343	Peak	VERTICAL
4	5584.80	107.32			99.34	6.72	34.35	33.09	193	343	Average	VERTICAL
5	5584.80	117.28			109.30	6.72	34.35	33.09	193	343	Peak	VERTICAL
6	5736.00	60.97	68.20	-7.23	52.81	6.86	34.44	33.14	193	343	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5703.20	104.18			96.07	6.81	34.42	33.12	196	336	Average	VERTICAL
2	5703.20	114.06			105.95	6.81	34.42	33.12	196	336	Peak	VERTICAL
3	5728.80	67.18	68.20	-1.02	59.05	6.83	34.43	33.13	196	336	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5263.20	113.84			106.63	6.34	33.93	33.06	201	1	Peak	VERTICAL
2	5263.60	103.98			96.77	6.34	33.93	33.06	201	1	Average	VERTICAL
3	5350.80	61.08	74.00	-12.92	53.61	6.47	34.06	33.06	201	1	Peak	VERTICAL
4	5358.40	48.90	54.00	-5.10	41.43	6.47	34.06	33.06	201	1	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5293.20	108.15			100.86	6.37	33.98	33.06	198	2	Peak	VERTICAL
2	5293.60	97.13			89.84	6.37	33.98	33.06	198	2	Average	VERTICAL
3	5352.80	65.66	74.00	-8.34	58.19	6.47	34.06	33.06	198	2	Peak	VERTICAL
4	5353.60	52.97	54.00	-1.03	45.50	6.47	34.06	33.06	198	2	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5449.60	61.98	74.00	-12.02	54.26	6.56	34.22	33.06	196	344	Peak	VERTICAL
2	5460.00	51.03	54.00	-2.97	43.27	6.60	34.22	33.06	196	344	Average	VERTICAL
3	5469.20	67.59	74.00	-6.41	59.80	6.60	34.25	33.06	196	344	Peak	VERTICAL
4	5469.60	52.72	54.00	-1.28	44.93	6.60	34.25	33.06	196	344	Average	VERTICAL
5	5525.20	103.48			95.59	6.65	34.31	33.07	196	344	Average	VERTICAL
6	5525.20	113.54			105.65	6.65	34.31	33.07	196	344	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.00	63.18	74.00	-10.82	55.42	6.60	34.22	33.06	198	344	Peak	VERTICAL
2	5459.60	51.36	54.00	-2.64	43.60	6.60	34.22	33.06	198	344	Average	VERTICAL
3	5464.40	51.71	54.00	-2.29	43.92	6.60	34.25	33.06	198	344	Average	VERTICAL
4	5470.00	65.54	74.00	-8.46	57.75	6.60	34.25	33.06	198	344	Peak	VERTICAL
5	5544.40	106.92			99.00	6.68	34.32	33.08	198	344	Average	VERTICAL
6	5554.80	117.07			109.12	6.70	34.33	33.08	198	344	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5685.20	101.67			93.57	6.81	34.41	33.12	198	344	Average	VERTICAL
2	5685.20	111.80			103.70	6.81	34.41	33.12	198	344	Peak	VERTICAL
3	5726.00	67.19	68.20	-1.01	59.06	6.83	34.43	33.13	198	344	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5100.00	46.52	54.00	-7.48	39.77	6.14	33.66	33.05	198	2	Average	VERTICAL
2	5118.00	58.41	74.00	-15.59	51.63	6.14	33.69	33.05	198	2	Peak	VERTICAL
3	5263.00	94.51			87.30	6.34	33.93	33.06	198	2	Average	VERTICAL
4	5263.00	104.45			97.24	6.34	33.93	33.06	198	2	Peak	VERTICAL
5	5354.00	52.99	54.00	-1.01	45.52	6.47	34.06	33.06	198	2	Average	VERTICAL
6	5359.00	63.10	74.00	-10.90	55.63	6.47	34.06	33.06	198	2	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5450.00	63.11	74.00	-10.89	55.35	6.60	34.22	33.06	195	343	Peak	VERTICAL
2	5455.00	52.99	54.00	-1.01	45.23	6.60	34.22	33.06	195	343	Average	VERTICAL
3	5465.00	63.99	68.20	-4.21	56.20	6.60	34.25	33.06	195	343	Peak	VERTICAL
4	5540.00	98.61			90.69	6.68	34.32	33.08	195	343	Average	VERTICAL
5	5545.00	107.95			100.03	6.68	34.32	33.08	195	343	Peak	VERTICAL
6	5755.00	59.24	68.20	-8.96	51.06	6.86	34.46	33.14	195	343	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	64.71	74.00	-9.29	56.95	6.60	34.22	33.06	195	346	Peak	VERTICAL
2	5459.00	52.65	54.00	-1.35	44.89	6.60	34.22	33.06	195	346	Average	VERTICAL
3	5470.00	65.25	68.20	-2.95	57.46	6.60	34.25	33.06	195	346	Peak	VERTICAL
4	5595.00	100.95			92.97	6.72	34.35	33.09	195	346	Average	VERTICAL
5	5625.00	110.35			102.34	6.74	34.37	33.10	195	346	Peak	VERTICAL
6	5741.00	67.18	68.20	-1.02	59.02	6.86	34.44	33.14	195	346	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.80	115.67			107.55	6.83	34.42	33.13	198	336	Peak	VERTICAL
2	5713.60	106.37			98.25	6.83	34.42	33.13	198	336	Average	VERTICAL
3	5884.00	63.06	68.20	-5.14	54.73	6.99	34.53	33.19	198	336	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.60	115.28			107.16	6.83	34.42	33.13	200	337	Peak	VERTICAL
2	5723.20	105.81			97.68	6.83	34.43	33.13	200	337	Average	VERTICAL
3	5884.00	62.92	68.20	-5.28	54.59	6.99	34.53	33.19	200	337	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.20	102.82			94.72	6.81	34.41	33.12	198	335	Average	VERTICAL
2	5693.20	112.62			104.52	6.81	34.41	33.12	198	335	Peak	VERTICAL
3	5874.00	62.29	68.20	-5.91	53.97	6.97	34.53	33.18	198	335	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 03, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5683.00	99.17			91.08	6.81	34.40	33.12	197	338	Average	VERTICAL
2	5683.00	109.52			101.43	6.81	34.40	33.12	197	338	Peak	VERTICAL
3	5853.00	67.01	68.20	-1.19	58.72	6.95	34.51	33.17	197	338	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5104.00	47.07	54.00	-6.93	40.32	6.14	33.66	33.05	193	5	Average	VERTICAL
2	5136.80	59.97	74.00	-14.03	53.14	6.17	33.71	33.05	193	5	Peak	VERTICAL
3	5264.00	109.42			102.21	6.34	33.93	33.06	193	5	Average	VERTICAL
4	5264.80	119.93			112.72	6.34	33.93	33.06	193	5	Peak	VERTICAL
5	5357.60	61.18	74.00	-12.82	53.71	6.47	34.06	33.06	193	5	Peak	VERTICAL
6	5425.60	49.06	54.00	-4.94	41.39	6.56	34.17	33.06	193	5	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.80	119.70			112.38	6.40	33.98	33.06	189	6	Peak	VERTICAL
2	5303.20	109.64			102.32	6.40	33.98	33.06	189	6	Average	VERTICAL
3	5383.20	50.20	54.00	-3.80	42.65	6.50	34.11	33.06	189	6	Average	VERTICAL
4	5385.20	62.33	74.00	-11.67	54.78	6.50	34.11	33.06	189	6	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5314.20	108.31			100.96	6.40	34.01	33.06	195	19	Average	VERTICAL
2	5314.60	119.07			111.72	6.40	34.01	33.06	195	19	Peak	VERTICAL
3	5353.00	71.51	74.00	-2.49	64.04	6.47	34.06	33.06	195	19	Peak	VERTICAL
4	5354.60	52.70	54.00	-1.30	45.23	6.47	34.06	33.06	195	19	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.40	52.82	54.00	-1.18	45.06	6.60	34.22	33.06	202	15	Average	VERTICAL
2	5457.40	63.82	74.00	-10.18	56.06	6.60	34.22	33.06	202	15	Peak	VERTICAL
3	5468.80	66.98	68.20	-1.22	59.19	6.60	34.25	33.06	202	15	Peak	VERTICAL
4	5496.40	119.97			112.13	6.63	34.27	33.06	202	15	Peak	VERTICAL
5	5497.60	110.04			102.17	6.63	34.30	33.06	202	15	Average	VERTICAL
6	5736.40	63.34	68.20	-4.86	55.18	6.86	34.44	33.14	202	15	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5419.20	52.87	54.00	-1.13	45.23	6.53	34.17	33.06	198	11	Average	VERTICAL
2	5421.60	64.25	74.00	-9.75	56.61	6.53	34.17	33.06	198	11	Peak	VERTICAL
3	5467.60	60.70	68.20	-7.50	52.91	6.60	34.25	33.06	198	11	Peak	VERTICAL
4	5578.80	107.06			99.09	6.72	34.34	33.09	198	11	Average	VERTICAL
5	5578.80	116.93			108.96	6.72	34.34	33.09	198	11	Peak	VERTICAL
6	5739.60	61.69	68.20	-6.51	53.53	6.86	34.44	33.14	198	11	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	52.44	74.00	-21.56	44.68	6.60	34.22	33.06	202	8	Average	VERTICAL
2	5460.00	63.07	74.00	-10.93	55.31	6.60	34.22	33.06	202	8	Peak	VERTICAL
3	5460.40	63.83	68.20	-4.37	56.07	6.60	34.22	33.06	202	8	Peak	VERTICAL
4	5702.40	106.30			98.19	6.81	34.42	33.12	202	8	Average	VERTICAL
5	5702.40	116.77			108.66	6.81	34.42	33.12	202	8	Peak	VERTICAL
6	5725.00	67.17	68.20	-1.03	59.04	6.83	34.43	33.13	202	8	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.80	58.55	74.00	-15.45	51.65	6.21	33.74	33.05	195	1	Peak	VERTICAL
2	5149.00	46.25	54.00	-7.75	39.35	6.21	33.74	33.05	195	1	Average	VERTICAL
3	5258.80	118.55			111.34	6.34	33.93	33.06	195	1	Peak	VERTICAL
4	5263.60	107.50			100.29	6.34	33.93	33.06	195	1	Average	VERTICAL
5	5350.00	47.92	54.00	-6.08	40.45	6.47	34.06	33.06	195	1	Average	VERTICAL
6	5357.20	60.46	74.00	-13.54	52.99	6.47	34.06	33.06	195	1	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5303.20	107.46			100.14	6.40	33.98	33.06	196	2	Average	VERTICAL
2	5308.00	117.61			110.29	6.40	33.98	33.06	196	2	Peak	VERTICAL
3	5357.20	61.87	74.00	-12.13	54.40	6.47	34.06	33.06	196	2	Peak	VERTICAL
4	5374.00	49.59	54.00	-4.41	42.06	6.50	34.09	33.06	196	2	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.00	105.16			97.81	6.40	34.01	33.06	191	20	Average	VERTICAL
2	5314.80	117.29			109.94	6.40	34.01	33.06	191	20	Peak	VERTICAL
3	5351.80	52.81	54.00	-1.19	45.34	6.47	34.06	33.06	191	20	Average	VERTICAL
4	5352.40	69.09	74.00	-4.91	61.62	6.47	34.06	33.06	191	20	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5424.80	52.38	54.00	-1.62	44.71	6.56	34.17	33.06	198	11	Average	VERTICAL
2	5424.80	64.61	74.00	-9.39	56.94	6.56	34.17	33.06	198	11	Peak	VERTICAL
3	5469.60	67.08	68.20	-1.12	59.29	6.60	34.25	33.06	198	11	Peak	VERTICAL
4	5495.20	108.58			100.74	6.63	34.27	33.06	198	11	Average	VERTICAL
5	5504.80	118.28			110.40	6.65	34.30	33.07	198	11	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5420.80	64.95	74.00	-9.05	57.31	6.53	34.17	33.06	198	10	Peak	VERTICAL
2	5424.80	52.99	54.00	-1.01	45.32	6.56	34.17	33.06	198	10	Average	VERTICAL
3	5462.00	60.45	68.20	-7.75	52.69	6.60	34.22	33.06	198	10	Peak	VERTICAL
4	5584.80	117.95			109.97	6.72	34.35	33.09	198	10	Peak	VERTICAL
5	5585.60	106.89			98.91	6.72	34.35	33.09	198	10	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.80	62.15	74.00	-11.85	54.39	6.60	34.22	33.06	200	336	Peak	VERTICAL
2	5457.60	51.60	54.00	-2.40	43.84	6.60	34.22	33.06	200	336	Average	VERTICAL
3	5462.40	63.15	68.20	-5.05	55.39	6.60	34.22	33.06	200	336	Peak	VERTICAL
4	5692.80	115.87			107.77	6.81	34.41	33.12	200	336	Peak	VERTICAL
5	5698.80	105.77			97.67	6.81	34.41	33.12	200	336	Average	VERTICAL
6	5733.60	67.02	68.20	-1.18	58.87	6.86	34.43	33.14	200	336	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5256.40	115.99			108.81	6.34	33.90	33.06	191	335	Peak	VERTICAL
2	5263.60	106.29			99.08	6.34	33.93	33.06	191	335	Average	VERTICAL
3	5354.00	62.36	74.00	-11.64	54.89	6.47	34.06	33.06	191	335	Peak	VERTICAL
4	5424.40	51.05	54.00	-2.95	43.38	6.56	34.17	33.06	191	335	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.20	96.49			89.14	6.40	34.01	33.06	202	11	Average	VERTICAL
2	5325.20	108.82			101.44	6.43	34.01	33.06	202	11	Peak	VERTICAL
3	5350.00	67.36	74.00	-6.64	59.89	6.47	34.06	33.06	202	11	Peak	VERTICAL
4	5350.40	52.93	54.00	-1.07	45.46	6.47	34.06	33.06	202	11	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.60	63.18	74.00	-10.82	55.42	6.60	34.22	33.06	203	343	Peak	VERTICAL
2	5460.00	51.93	54.00	-2.07	44.17	6.60	34.22	33.06	203	343	Average	VERTICAL
3	5465.60	67.02	68.20	-1.18	59.23	6.60	34.25	33.06	203	343	Peak	VERTICAL
4	5525.20	114.75			106.86	6.65	34.31	33.07	203	343	Peak	VERTICAL
5	5525.60	104.29			96.40	6.65	34.31	33.07	203	343	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5394.80	52.04	54.00	-1.96	44.46	6.50	34.14	33.06	201	11	Average	VERTICAL
2	5399.60	63.04	74.00	-10.96	55.43	6.53	34.14	33.06	201	11	Peak	VERTICAL
3	5470.00	63.83	68.20	-4.37	56.04	6.60	34.25	33.06	201	11	Peak	VERTICAL
4	5534.80	106.52			98.60	6.68	34.32	33.08	201	11	Average	VERTICAL
5	5534.80	116.82			108.90	6.68	34.32	33.08	201	11	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5654.80	102.51			94.45	6.79	34.39	33.12	197	11	Average	VERTICAL
2	5685.20	113.64			105.54	6.81	34.41	33.12	197	11	Peak	VERTICAL
3	5725.60	67.09	68.20	-1.11	58.96	6.83	34.43	33.13	197	11	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5067.00	47.13	54.00	-6.87	40.49	6.08	33.61	33.05	203	2	Average	VERTICAL
2	5073.00	59.40	74.00	-14.60	52.71	6.11	33.63	33.05	203	2	Peak	VERTICAL
3	5263.00	94.68			87.47	6.34	33.93	33.06	203	2	Average	VERTICAL
4	5264.00	104.46			97.25	6.34	33.93	33.06	203	2	Peak	VERTICAL
5	5354.00	52.94	54.00	-1.06	45.47	6.47	34.06	33.06	203	2	Average	VERTICAL
6	5359.00	63.21	74.00	-10.79	55.74	6.47	34.06	33.06	203	2	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.00	63.27	74.00	-10.73	55.51	6.60	34.22	33.06	210	343	Peak	VERTICAL
2	5460.00	52.94	54.00	-1.06	45.18	6.60	34.22	33.06	210	343	Average	VERTICAL
3	5465.00	65.37	68.20	-2.83	57.58	6.60	34.25	33.06	210	343	Peak	VERTICAL
4	5520.00	96.69			88.80	6.65	34.31	33.07	210	343	Average	VERTICAL
5	5535.00	105.90			97.98	6.68	34.32	33.08	210	343	Peak	VERTICAL
6	5769.00	60.15	68.20	-8.05	51.95	6.88	34.47	33.15	210	343	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.00	52.55	54.00	-1.45	44.79	6.60	34.22	33.06	142	11	Average	VERTICAL
2	5454.00	65.08	74.00	-8.92	57.32	6.60	34.22	33.06	142	11	Peak	VERTICAL
3	5468.00	65.35	68.20	-2.85	57.56	6.60	34.25	33.06	142	11	Peak	VERTICAL
4	5586.00	110.58			102.60	6.72	34.35	33.09	142	11	Peak	VERTICAL
5	5590.00	101.31			93.33	6.72	34.35	33.09	142	11	Average	VERTICAL
6	5738.00	65.05	68.20	-3.15	56.89	6.86	34.44	33.14	142	11	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5721.20	119.05			110.92	6.83	34.43	33.13	198	8	Peak	VERTICAL
2	5722.40	109.23			101.10	6.83	34.43	33.13	198	8	Average	VERTICAL
3	5883.20	64.98	68.20	-3.22	56.66	6.97	34.53	33.18	198	8	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	107.42			99.30	6.83	34.42	33.13	198	335	Average	VERTICAL
2	5727.20	116.88			108.75	6.83	34.43	33.13	198	335	Peak	VERTICAL
3	5884.40	61.88	68.20	-6.32	53.55	6.99	34.53	33.19	198	335	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.80	104.68			96.58	6.81	34.41	33.12	198	11	Average	VERTICAL
2	5705.20	114.64			106.52	6.83	34.42	33.13	198	11	Peak	VERTICAL
3	5855.60	62.29	68.20	-5.91	53.99	6.95	34.52	33.17	198	11	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.00	109.74			101.64	6.81	34.41	33.12	125	344	Peak	VERTICAL
2	5700.00	102.00			93.90	6.81	34.41	33.12	125	344	Average	VERTICAL
3	5852.00	66.78	68.20	-1.42	58.49	6.95	34.51	33.17	125	344	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5257.11	97.42			89.23	7.35	33.90	33.06	235	68	Average	HORIZONTAL
2	5257.97	109.30			101.11	7.35	33.90	33.06	235	68	Peak	HORIZONTAL
3	5350.00	47.69	54.00	-6.31	39.39	7.30	34.06	33.06	235	68	Average	HORIZONTAL
4	5353.18	61.53	74.00	-12.47	53.23	7.30	34.06	33.06	235	68	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.84	97.46			89.21	7.33	33.98	33.06	227	71	Average	HORIZONTAL
2	5301.74	107.71			99.47	7.32	33.98	33.06	227	71	Peak	HORIZONTAL
3	5350.00	48.29	54.00	-5.71	39.99	7.30	34.06	33.06	227	71	Average	HORIZONTAL
4	5350.43	62.24	74.00	-11.76	53.94	7.30	34.06	33.06	227	71	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5317.11	95.00			86.73	7.32	34.01	33.06	220	64	Average	VERTICAL
2	5317.97	107.43			99.16	7.32	34.01	33.06	220	64	Peak	VERTICAL
3	5350.00	49.47	54.00	-4.53	41.17	7.30	34.06	33.06	220	64	Average	VERTICAL
4	5350.29	64.61	74.00	-9.39	56.31	7.30	34.06	33.06	220	64	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	48.48	54.00	-5.52	39.94	7.38	34.22	33.06	232	77	Average	HORIZONTAL
2	5460.00	61.90	74.00	-12.10	53.36	7.38	34.22	33.06	232	77	Peak	HORIZONTAL
3	5470.00	49.60	54.00	-4.40	41.00	7.41	34.25	33.06	232	77	Average	HORIZONTAL
4	5470.00	65.18	74.00	-8.82	56.58	7.41	34.25	33.06	232	77	Peak	HORIZONTAL
5	5497.97	109.26			100.58	7.44	34.30	33.06	232	77	Peak	HORIZONTAL
6	5506.66	97.68			88.97	7.48	34.30	33.07	232	77	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.13	59.96	74.00	-14.04	51.42	7.38	34.22	33.06	226	78	Peak	HORIZONTAL
2	5460.00	47.54	54.00	-6.46	39.00	7.38	34.22	33.06	226	78	Average	HORIZONTAL
3	5470.00	47.67	54.00	-6.33	39.07	7.41	34.25	33.06	226	78	Average	HORIZONTAL
4	5470.00	59.34	74.00	-14.66	50.74	7.41	34.25	33.06	226	78	Peak	HORIZONTAL
5	5581.74	109.26			100.39	7.61	34.35	33.09	226	78	Peak	HORIZONTAL
6	5583.04	97.66			88.79	7.61	34.35	33.09	226	78	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.20	93.93			85.20	7.44	34.41	33.12	226	72	Average	HORIZONTAL
2	5697.68	105.63			96.90	7.44	34.41	33.12	226	72	Peak	HORIZONTAL
3	5725.00	51.75	54.00	-2.25	43.04	7.41	34.43	33.13	226	72	Average	HORIZONTAL
4	5725.58	66.44	74.00	-7.56	57.73	7.41	34.43	33.13	226	72	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5263.76	109.04			100.83	7.34	33.93	33.06	209	72	Peak	HORIZONTAL
2	5264.92	97.42			89.21	7.34	33.93	33.06	209	72	Average	HORIZONTAL
3	5350.00	47.48	54.00	-6.52	39.18	7.30	34.06	33.06	209	72	Average	HORIZONTAL
4	5352.60	60.76	74.00	-13.24	52.46	7.30	34.06	33.06	209	72	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.40	94.59			86.37	7.33	33.95	33.06	229	63	Average	VERTICAL
2	5294.57	105.68			97.44	7.32	33.98	33.06	229	63	Peak	VERTICAL
3	5350.00	47.88	54.00	-6.12	39.58	7.30	34.06	33.06	229	63	Average	VERTICAL
4	5351.74	61.07	74.00	-12.93	52.77	7.30	34.06	33.06	229	63	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5317.97	108.15			99.88	7.32	34.01	33.06	216	59	Peak	VERTICAL
2	5327.96	95.73			87.44	7.32	34.03	33.06	216	59	Average	VERTICAL
3	5350.00	50.62	54.00	-3.38	42.32	7.30	34.06	33.06	216	59	Average	VERTICAL
4	5351.30	66.25	74.00	-7.75	57.95	7.30	34.06	33.06	216	59	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	48.39	54.00	-5.61	39.85	7.38	34.22	33.06	227	74	Average	HORIZONTAL
2	5460.00	61.97	74.00	-12.03	53.43	7.38	34.22	33.06	227	74	Peak	HORIZONTAL
3	5469.28	63.69	74.00	-10.31	55.12	7.38	34.25	33.06	227	74	Peak	HORIZONTAL
4	5470.00	49.92	54.00	-4.08	41.32	7.41	34.25	33.06	227	74	Average	HORIZONTAL
5	5503.62	108.60			99.93	7.44	34.30	33.07	227	74	Peak	HORIZONTAL
6	5506.22	97.27			88.56	7.48	34.30	33.07	227	74	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.57	60.17	74.00	-13.83	51.63	7.38	34.22	33.06	216	78	Peak	HORIZONTAL
2	5460.00	47.57	54.00	-6.43	39.03	7.38	34.22	33.06	216	78	Average	HORIZONTAL
3	5468.26	61.13	74.00	-12.87	52.56	7.38	34.25	33.06	216	78	Peak	HORIZONTAL
4	5470.00	47.76	54.00	-6.24	39.16	7.41	34.25	33.06	216	78	Average	HORIZONTAL
5	5577.40	97.75			88.93	7.57	34.34	33.09	216	78	Average	HORIZONTAL
6	5579.13	108.57			99.71	7.61	34.34	33.09	216	78	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.47	93.76			85.03	7.44	34.41	33.12	222	70	Average	HORIZONTAL
2	5698.12	104.67			95.94	7.44	34.41	33.12	222	70	Peak	HORIZONTAL
3	5725.00	52.44	54.00	-1.56	43.73	7.41	34.43	33.13	222	70	Average	HORIZONTAL
4	5725.14	66.47	74.00	-7.53	57.76	7.41	34.43	33.13	222	70	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.47	94.31			86.10	7.34	33.93	33.06	238	62	Average	VERTICAL
2	5265.95	105.23			97.02	7.34	33.93	33.06	238	62	Peak	VERTICAL
3	5350.00	47.86	54.00	-6.14	39.56	7.30	34.06	33.06	238	62	Average	VERTICAL
4	5350.87	59.44	74.00	-14.56	51.14	7.30	34.06	33.06	238	62	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.34	91.00			82.78	7.33	33.95	33.06	228	74	Average	HORIZONTAL
2	5296.40	101.97			93.73	7.32	33.98	33.06	228	74	Peak	HORIZONTAL
3	5350.00	52.90	54.00	-1.10	44.60	7.30	34.06	33.06	228	74	Average	HORIZONTAL
4	5352.60	66.38	74.00	-7.62	58.08	7.30	34.06	33.06	228	74	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.13	62.99	74.00	-11.01	54.45	7.38	34.22	33.06	218	69	Peak	HORIZONTAL
2	5460.00	49.46	54.00	-4.54	40.92	7.38	34.22	33.06	218	69	Average	HORIZONTAL
3	5469.13	69.85	74.00	-4.15	61.28	7.38	34.25	33.06	218	69	Peak	HORIZONTAL
4	5470.00	52.60	54.00	-1.40	44.00	7.41	34.25	33.06	218	69	Average	HORIZONTAL
5	5518.68	104.57			95.85	7.48	34.31	33.07	218	69	Peak	HORIZONTAL
6	5523.89	93.41			84.66	7.51	34.31	33.07	218	69	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.55	60.30	74.00	-13.70	51.76	7.38	34.22	33.06	230	75	Peak	HORIZONTAL
2	5460.00	48.36	54.00	-5.64	39.82	7.38	34.22	33.06	230	75	Average	HORIZONTAL
3	5468.55	62.37	74.00	-11.63	53.80	7.38	34.25	33.06	230	75	Peak	HORIZONTAL
4	5470.00	48.44	54.00	-5.56	39.84	7.41	34.25	33.06	230	75	Average	HORIZONTAL
5	5552.89	107.70			98.91	7.54	34.33	33.08	230	75	Peak	HORIZONTAL
6	5553.18	96.66			87.87	7.54	34.33	33.08	230	75	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5652.63	91.22			82.42	7.52	34.39	33.11	223	72	Average	HORIZONTAL
2	5653.50	102.48			93.68	7.52	34.39	33.11	223	72	Peak	HORIZONTAL
3	5725.00	50.51	54.00	-3.49	41.80	7.41	34.43	33.13	223	72	Average	HORIZONTAL
4	5726.45	65.44	74.00	-8.56	56.77	7.37	34.43	33.13	223	72	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5254.69	100.08			91.89	7.35	33.90	33.06	231	79	Peak	HORIZONTAL
2	5262.50	88.89			80.68	7.34	33.93	33.06	231	79	Average	HORIZONTAL
3	5350.00	52.47	54.00	-1.53	44.17	7.30	34.06	33.06	231	79	Average	HORIZONTAL
4	5353.76	65.84	74.00	-8.16	57.54	7.30	34.06	33.06	231	79	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.40	65.34	74.00	-8.66	56.80	7.38	34.22	33.06	234	77	Peak	VERTICAL
2	5459.57	51.98	54.00	-2.02	43.44	7.38	34.22	33.06	234	77	Average	VERTICAL
3	5464.79	66.17	74.00	-7.83	57.60	7.38	34.25	33.06	234	77	Peak	VERTICAL
4	5466.53	52.53	54.00	-1.47	43.96	7.38	34.25	33.06	234	77	Average	VERTICAL
5	5524.36	101.07			92.32	7.51	34.31	33.07	234	77	Peak	VERTICAL
6	5558.65	89.26			80.47	7.54	34.33	33.08	234	77	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5576.57	100.85			92.02	7.57	34.34	33.08	211	72	Peak	VERTICAL
2	5580.91	89.71			80.85	7.61	34.34	33.09	211	72	Average	VERTICAL
3	5725.00	50.32	54.00	-3.68	41.61	7.41	34.43	33.13	211	72	Average	VERTICAL
4	5726.30	61.55	74.00	-12.45	52.84	7.41	34.43	33.13	211	72	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5610 MHz.

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.91	93.56			84.86	7.41	34.42	33.13	229	59	Average	VERTICAL
2	5718.48	103.26			94.55	7.41	34.43	33.13	229	59	Peak	VERTICAL
3	5853.55	61.89	68.20	-6.31	53.00	7.54	34.52	33.17	229	59	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5726.08	93.39			84.68	7.41	34.43	33.13	227	72	Average	HORIZONTAL
2	5726.58	103.08			94.41	7.37	34.43	33.13	227	72	Peak	HORIZONTAL
3	5853.04	61.87	68.20	-6.33	52.99	7.54	34.51	33.17	227	72	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.11	91.43			82.70	7.44	34.41	33.12	228	76	Average	HORIZONTAL
2	5699.00	101.15			92.42	7.44	34.41	33.12	228	76	Peak	HORIZONTAL
3	5852.89	61.06	68.20	-7.14	52.18	7.54	34.51	33.17	228	76	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5653.53	88.12			79.32	7.52	34.39	33.11	229	64	Average	VERTICAL
2	5654.69	98.43			89.64	7.52	34.39	33.12	229	64	Peak	VERTICAL
3	5852.89	62.11	68.20	-6.09	53.23	7.54	34.51	33.17	229	64	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.89	101.71			93.50	7.34	33.93	33.06	253	109	Average	VERTICAL
2	5262.89	112.38			104.17	7.34	33.93	33.06	253	109	Peak	VERTICAL
3	5350.00	47.62	54.00	-6.38	39.32	7.30	34.06	33.06	253	109	Average	VERTICAL
4	5353.47	61.37	74.00	-12.63	53.07	7.30	34.06	33.06	253	109	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.09	111.45			103.21	7.32	33.98	33.06	225	74	Peak	HORIZONTAL
2	5305.64	101.08			92.84	7.32	33.98	33.06	225	74	Average	HORIZONTAL
3	5350.00	48.18	54.00	-5.82	39.88	7.30	34.06	33.06	225	74	Average	HORIZONTAL
4	5350.65	60.29	74.00	-13.71	51.99	7.30	34.06	33.06	225	74	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.51	110.95			102.68	7.32	34.01	33.06	228	74	Peak	HORIZONTAL
2	5315.66	100.41			92.14	7.32	34.01	33.06	228	74	Average	HORIZONTAL
3	5350.00	51.04	54.00	-2.96	42.74	7.30	34.06	33.06	228	74	Average	HORIZONTAL
4	5351.01	68.27	74.00	-5.73	59.97	7.30	34.06	33.06	228	74	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	49.00	54.00	-5.00	40.46	7.38	34.22	33.06	227	70	Average	HORIZONTAL
2	5460.00	62.43	74.00	-11.57	53.89	7.38	34.22	33.06	227	70	Peak	HORIZONTAL
3	5469.86	66.26	74.00	-7.74	57.66	7.41	34.25	33.06	227	70	Peak	HORIZONTAL
4	5470.00	50.47	54.00	-3.53	41.87	7.41	34.25	33.06	227	70	Average	HORIZONTAL
5	5505.21	101.48			92.81	7.44	34.30	33.07	227	70	Average	HORIZONTAL
6	5505.79	112.43			103.72	7.48	34.30	33.07	227	70	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.83	60.31	74.00	-13.69	51.77	7.38	34.22	33.06	222	75	Peak	HORIZONTAL
2	5460.00	47.78	54.00	-6.22	39.24	7.38	34.22	33.06	222	75	Average	HORIZONTAL
3	5465.22	60.59	74.00	-13.41	52.02	7.38	34.25	33.06	222	75	Peak	HORIZONTAL
4	5470.00	48.06	54.00	-5.94	39.46	7.41	34.25	33.06	222	75	Average	HORIZONTAL
5	5584.78	101.73			92.86	7.61	34.35	33.09	222	75	Average	HORIZONTAL
6	5584.78	111.89			103.02	7.61	34.35	33.09	222	75	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.50	110.05			101.32	7.44	34.41	33.12	223	72	Peak	HORIZONTAL
2	5694.65	98.86			90.13	7.44	34.41	33.12	223	72	Average	HORIZONTAL
3	5725.58	67.76	74.00	-6.24	59.05	7.41	34.43	33.13	223	72	Peak	HORIZONTAL
4	5725.72	52.69	54.00	-1.31	43.98	7.41	34.43	33.13	223	72	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5261.16	112.12			103.91	7.34	33.93	33.06	229	77	Peak	HORIZONTAL
2	5262.60	101.52			93.31	7.34	33.93	33.06	229	77	Average	HORIZONTAL
3	5350.00	47.45	54.00	-6.55	39.15	7.30	34.06	33.06	229	77	Average	HORIZONTAL
4	5351.45	60.50	74.00	-13.50	52.20	7.30	34.06	33.06	229	77	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.62	111.10			102.85	7.33	33.98	33.06	226	78	Peak	HORIZONTAL
2	5292.84	100.36			92.11	7.33	33.98	33.06	226	78	Average	HORIZONTAL
3	5350.00	48.27	54.00	-5.73	39.97	7.30	34.06	33.06	226	78	Average	HORIZONTAL
4	5350.65	60.48	74.00	-13.52	52.18	7.30	34.06	33.06	226	78	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.76	99.95			91.68	7.32	34.01	33.06	226	76	Average	HORIZONTAL
2	5317.68	111.13			102.86	7.32	34.01	33.06	226	76	Peak	HORIZONTAL
3	5350.00	51.82	54.00	-2.18	43.52	7.30	34.06	33.06	226	76	Average	HORIZONTAL
4	5350.29	68.22	74.00	-5.78	59.92	7.30	34.06	33.06	226	76	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	49.11	54.00	-4.89	40.57	7.38	34.22	33.06	216	68	Average	HORIZONTAL
2	5460.00	62.20	74.00	-11.80	53.66	7.38	34.22	33.06	216	68	Peak	HORIZONTAL
3	5469.28	65.53	74.00	-8.47	56.96	7.38	34.25	33.06	216	68	Peak	HORIZONTAL
4	5470.00	51.48	54.00	-2.52	42.88	7.41	34.25	33.06	216	68	Average	HORIZONTAL
5	5492.76	100.94			92.29	7.44	34.27	33.06	216	68	Average	HORIZONTAL
6	5495.08	112.27			103.62	7.44	34.27	33.06	216	68	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.26	60.45	74.00	-13.55	51.91	7.38	34.22	33.06	216	70	Peak	HORIZONTAL
2	5460.00	47.76	54.00	-6.24	39.22	7.38	34.22	33.06	216	70	Average	HORIZONTAL
3	5470.00	47.86	54.00	-6.14	39.26	7.41	34.25	33.06	216	70	Average	HORIZONTAL
4	5470.00	60.51	74.00	-13.49	51.91	7.41	34.25	33.06	216	70	Peak	HORIZONTAL
5	5582.17	101.62			92.75	7.61	34.35	33.09	216	70	Average	HORIZONTAL
6	5582.60	112.67			103.80	7.61	34.35	33.09	216	70	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.32	98.06			89.32	7.44	34.42	33.12	220	68	Average	HORIZONTAL
2	5704.92	109.70			100.97	7.44	34.42	33.13	220	68	Peak	HORIZONTAL
3	5725.00	52.83	54.00	-1.17	44.12	7.41	34.43	33.13	220	68	Average	HORIZONTAL
4	5725.00	70.34	74.00	-3.66	61.63	7.41	34.43	33.13	220	68	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5255.53	109.30			101.11	7.35	33.90	33.06	225	78	Peak	HORIZONTAL
2	5265.37	98.19			89.98	7.34	33.93	33.06	225	78	Average	HORIZONTAL
3	5350.00	48.23	54.00	-5.77	39.93	7.30	34.06	33.06	225	78	Average	HORIZONTAL
4	5350.29	60.74	74.00	-13.26	52.44	7.30	34.06	33.06	225	78	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.85	92.75			84.50	7.33	33.98	33.06	225	77	Average	HORIZONTAL
2	5295.24	104.11			95.87	7.32	33.98	33.06	225	77	Peak	HORIZONTAL
3	5350.43	52.16	54.00	-1.84	43.86	7.30	34.06	33.06	225	77	Average	HORIZONTAL
4	5350.43	65.06	74.00	-8.94	56.76	7.30	34.06	33.06	225	77	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.18	62.10	74.00	-11.90	53.56	7.38	34.22	33.06	234	78	Peak	VERTICAL
2	5458.48	49.56	54.00	-4.44	41.02	7.38	34.22	33.06	234	78	Average	VERTICAL
3	5468.91	52.80	54.00	-1.20	44.23	7.38	34.25	33.06	234	78	Average	VERTICAL
4	5469.13	72.31	74.00	-1.69	63.74	7.38	34.25	33.06	234	78	Peak	VERTICAL
5	5523.46	108.44			99.72	7.48	34.31	33.07	234	78	Peak	VERTICAL
6	5523.68	96.53			87.78	7.51	34.31	33.07	234	78	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	49.14	54.00	-4.86	40.60	7.38	34.22	33.06	202	74	Average	HORIZONTAL
2	5460.00	61.76	74.00	-12.24	53.22	7.38	34.22	33.06	202	74	Peak	HORIZONTAL
3	5467.40	61.96	74.00	-12.04	53.39	7.38	34.25	33.06	202	74	Peak	HORIZONTAL
4	5469.42	49.22	54.00	-4.78	40.65	7.38	34.25	33.06	202	74	Average	HORIZONTAL
5	5534.66	100.21			91.46	7.51	34.32	33.08	202	74	Average	HORIZONTAL
6	5556.95	111.48			102.69	7.54	34.33	33.08	202	74	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5681.94	106.61			97.85	7.48	34.40	33.12	229	74	Peak	VERTICAL
2	5682.16	95.63			86.87	7.48	34.40	33.12	229	74	Average	VERTICAL
3	5725.22	52.68	54.00	-1.32	43.97	7.41	34.43	33.13	229	74	Average	VERTICAL
4	5725.65	66.40	74.00	-7.60	57.69	7.41	34.43	33.13	229	74	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5258.16	103.58			95.39	7.35	33.90	33.06	225	76	Peak	HORIZONTAL
2	5260.48	90.68			82.47	7.34	33.93	33.06	225	76	Average	HORIZONTAL
3	5350.29	52.96	54.00	-1.04	44.66	7.30	34.06	33.06	225	76	Average	HORIZONTAL
4	5350.29	65.80	74.00	-8.20	57.50	7.30	34.06	33.06	225	76	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	52.68	54.00	-1.32	44.14	7.38	34.22	33.06	223	74	Average	HORIZONTAL
2	5460.00	65.04	74.00	-8.96	56.50	7.38	34.22	33.06	223	74	Peak	HORIZONTAL
3	5467.11	68.42	74.00	-5.58	59.85	7.38	34.25	33.06	223	74	Peak	HORIZONTAL
4	5469.71	52.74	54.00	-1.26	44.14	7.41	34.25	33.06	223	74	Average	HORIZONTAL
5	5540.71	105.06			96.31	7.51	34.32	33.08	223	74	Peak	HORIZONTAL
6	5545.05	93.65			84.87	7.54	34.32	33.08	223	74	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5582.65	95.28			86.41	7.61	34.35	33.09	212	76	Average	HORIZONTAL
2	5586.99	106.07			97.20	7.61	34.35	33.09	212	76	Peak	HORIZONTAL
3	5725.43	52.93	54.00	-1.07	44.22	7.41	34.43	33.13	212	76	Average	HORIZONTAL
4	5727.17	65.39	74.00	-8.61	56.72	7.37	34.43	33.13	212	76	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5610 MHz.

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.36	100.59			91.89	7.41	34.42	33.13	212	69	Average	HORIZONTAL
2	5724.78	110.53			101.82	7.41	34.43	33.13	212	69	Peak	HORIZONTAL
3	5851.30	61.12	68.20	-7.08	52.24	7.54	34.51	33.17	212	69	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.36	99.64			90.94	7.41	34.42	33.13	190	77	Average	HORIZONTAL
2	5716.96	109.75			101.05	7.41	34.42	33.13	190	77	Peak	HORIZONTAL
3	5853.91	62.37	68.20	-5.83	53.48	7.54	34.52	33.17	190	77	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.11	95.43			86.70	7.44	34.41	33.12	252	79	Average	VERTICAL
2	5703.49	105.53			96.79	7.44	34.42	33.12	252	79	Peak	VERTICAL
3	5850.87	61.45	68.20	-6.75	52.57	7.54	34.51	33.17	252	79	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Nov. 07, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5677.34	104.14			95.38	7.48	34.40	33.12	214	74	Peak	HORIZONTAL
2	5684.93	93.15			84.38	7.48	34.41	33.12	214	74	Average	HORIZONTAL
3	5850.00	62.28	68.20	-5.92	53.40	7.54	34.51	33.17	214	74	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5261.16	105.28			97.07	7.34	33.93	33.06	232	77	Average	HORIZONTAL
2	5261.45	115.44			107.23	7.34	33.93	33.06	232	77	Peak	HORIZONTAL
3	5350.00	47.81	54.00	-6.19	39.51	7.30	34.06	33.06	232	77	Average	HORIZONTAL
4	5350.29	60.28	74.00	-13.72	51.98	7.30	34.06	33.06	232	77	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5301.09	103.71			95.47	7.32	33.98	33.06	220	74	Average	HORIZONTAL
2	5301.30	113.97			105.73	7.32	33.98	33.06	220	74	Peak	HORIZONTAL
3	5350.65	61.28	74.00	-12.72	52.98	7.30	34.06	33.06	220	74	Peak	HORIZONTAL
4	5350.87	48.62	54.00	-5.38	40.32	7.30	34.06	33.06	220	74	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5321.01	102.43			94.16	7.32	34.01	33.06	210	75	Average	HORIZONTAL
2	5321.45	112.64			104.37	7.32	34.01	33.06	210	75	Peak	HORIZONTAL
3	5350.00	51.25	54.00	-2.75	42.95	7.30	34.06	33.06	210	75	Average	HORIZONTAL
4	5352.03	67.83	74.00	-6.17	59.53	7.30	34.06	33.06	210	75	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.57	62.74	74.00	-11.26	54.20	7.38	34.22	33.06	212	75	Peak	HORIZONTAL
2	5460.00	49.88	54.00	-4.12	41.34	7.38	34.22	33.06	212	75	Average	HORIZONTAL
3	5469.86	67.70	74.00	-6.30	59.10	7.41	34.25	33.06	212	75	Peak	HORIZONTAL
4	5470.00	51.81	54.00	-2.19	43.21	7.41	34.25	33.06	212	75	Average	HORIZONTAL
5	5499.57	114.23			105.55	7.44	34.30	33.06	212	75	Peak	HORIZONTAL
6	5500.87	104.08			95.41	7.44	34.30	33.07	212	75	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	48.31	54.00	-5.69	39.77	7.38	34.22	33.06	232	74	Average	HORIZONTAL
2	5460.00	60.39	74.00	-13.61	51.85	7.38	34.22	33.06	232	74	Peak	HORIZONTAL
3	5468.91	60.06	74.00	-13.94	51.49	7.38	34.25	33.06	232	74	Peak	HORIZONTAL
4	5470.00	48.31	54.00	-5.69	39.71	7.41	34.25	33.06	232	74	Average	HORIZONTAL
5	5579.64	114.59			105.73	7.61	34.34	33.09	232	74	Peak	HORIZONTAL
6	5580.72	104.47			95.61	7.61	34.34	33.09	232	74	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.57	112.09			103.36	7.44	34.41	33.12	232	76	Peak	HORIZONTAL
2	5700.72	102.11			93.37	7.44	34.42	33.12	232	76	Average	HORIZONTAL
3	5729.49	52.73	54.00	-1.27	44.06	7.37	34.43	33.13	232	76	Average	HORIZONTAL
4	5730.21	68.96	74.00	-5.04	60.29	7.37	34.43	33.13	232	76	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5266.66	113.58			105.37	7.34	33.93	33.06	275	70	Peak	VERTICAL
2	5266.95	103.20			94.99	7.34	33.93	33.06	275	70	Average	VERTICAL
3	5350.00	47.97	54.00	-6.03	39.67	7.30	34.06	33.06	275	70	Average	VERTICAL
4	5353.18	61.51	74.00	-12.49	53.21	7.30	34.06	33.06	275	70	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.62	113.34			105.09	7.33	33.98	33.06	225	88	Peak	HORIZONTAL
2	5293.05	102.96			94.71	7.33	33.98	33.06	225	88	Average	HORIZONTAL
3	5350.00	48.43	54.00	-5.57	40.13	7.30	34.06	33.06	225	88	Average	HORIZONTAL
4	5351.52	60.47	74.00	-13.53	52.17	7.30	34.06	33.06	225	88	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.76	112.57			104.30	7.32	34.01	33.06	227	88	Peak	HORIZONTAL
2	5312.91	102.01			93.74	7.32	34.01	33.06	227	88	Average	HORIZONTAL
3	5352.89	51.62	54.00	-2.38	43.32	7.30	34.06	33.06	227	88	Average	HORIZONTAL
4	5353.04	68.83	74.00	-5.17	60.53	7.30	34.06	33.06	227	88	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.86	63.17	74.00	-10.83	54.63	7.38	34.22	33.06	225	70	Peak	HORIZONTAL
2	5460.00	50.12	54.00	-3.88	41.58	7.38	34.22	33.06	225	70	Average	HORIZONTAL
3	5470.00	51.64	54.00	-2.36	43.04	7.41	34.25	33.06	225	70	Average	HORIZONTAL
4	5470.00	65.67	74.00	-8.33	57.07	7.41	34.25	33.06	225	70	Peak	HORIZONTAL
5	5495.22	103.19			94.54	7.44	34.27	33.06	225	70	Average	HORIZONTAL
6	5495.37	114.22			105.57	7.44	34.27	33.06	225	70	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	48.17	54.00	-5.83	39.63	7.38	34.22	33.06	225	74	Average	HORIZONTAL
2	5460.00	58.72	74.00	-15.28	50.18	7.38	34.22	33.06	225	74	Peak	HORIZONTAL
3	5470.00	48.21	54.00	-5.79	39.61	7.41	34.25	33.06	225	74	Average	HORIZONTAL
4	5470.00	60.33	74.00	-13.67	51.73	7.41	34.25	33.06	225	74	Peak	HORIZONTAL
5	5585.07	104.33			95.46	7.61	34.35	33.09	225	74	Average	HORIZONTAL
6	5585.07	114.29			105.42	7.61	34.35	33.09	225	74	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.36	100.43			91.70	7.44	34.41	33.12	193	68	Average	HORIZONTAL
2	5694.65	112.03			103.30	7.44	34.41	33.12	193	68	Peak	HORIZONTAL
3	5725.00	52.74	54.00	-1.26	44.03	7.41	34.43	33.13	193	68	Average	HORIZONTAL
4	5725.00	68.57	74.00	-5.43	59.86	7.41	34.43	33.13	193	68	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5265.08	102.61			94.40	7.34	33.93	33.06	208	74	Average	HORIZONTAL
2	5265.37	113.37			105.16	7.34	33.93	33.06	208	74	Peak	HORIZONTAL
3	5350.29	49.54	54.00	-4.46	41.24	7.30	34.06	33.06	208	74	Average	HORIZONTAL
4	5351.45	62.16	74.00	-11.84	53.86	7.30	34.06	33.06	208	74	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5295.02	94.57			86.33	7.32	33.98	33.06	206	73	Average	HORIZONTAL
2	5295.24	106.03			97.79	7.32	33.98	33.06	206	73	Peak	HORIZONTAL
3	5350.00	52.91	54.00	-1.09	44.61	7.30	34.06	33.06	206	73	Average	HORIZONTAL
4	5350.43	64.93	74.00	-9.07	56.63	7.30	34.06	33.06	206	73	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.31	61.36	74.00	-12.64	52.82	7.38	34.22	33.06	255	74	Peak	VERTICAL
2	5456.53	49.71	54.00	-4.29	41.17	7.38	34.22	33.06	255	74	Average	VERTICAL
3	5466.53	72.87	74.00	-1.13	64.30	7.38	34.25	33.06	255	74	Peak	VERTICAL
4	5470.00	50.66	54.00	-3.34	42.06	7.41	34.25	33.06	255	74	Average	VERTICAL
5	5521.29	98.99			90.27	7.48	34.31	33.07	255	74	Average	VERTICAL
6	5521.29	110.36			101.64	7.48	34.31	33.07	255	74	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.53	61.87	74.00	-12.13	53.33	7.38	34.22	33.06	255	73	Peak	VERTICAL
2	5456.82	49.50	54.00	-4.50	40.96	7.38	34.22	33.06	255	73	Average	VERTICAL
3	5466.82	50.08	54.00	-3.92	41.51	7.38	34.25	33.06	255	73	Average	VERTICAL
4	5470.00	62.54	74.00	-11.46	53.94	7.41	34.25	33.06	255	73	Peak	VERTICAL
5	5536.11	102.68			93.93	7.51	34.32	33.08	255	73	Average	VERTICAL
6	5546.53	112.82			104.04	7.54	34.32	33.08	255	73	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5684.47	109.63			100.86	7.48	34.41	33.12	216	75	Peak	HORIZONTAL
2	5684.76	98.36			89.59	7.48	34.41	33.12	216	75	Average	HORIZONTAL
3	5725.00	52.74	54.00	-1.26	44.03	7.41	34.43	33.13	216	75	Average	HORIZONTAL
4	5725.00	67.64	74.00	-6.36	58.93	7.41	34.43	33.13	216	75	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5260.19	91.67			83.46	7.34	33.93	33.06	208	68	Average	HORIZONTAL
2	5265.11	103.38			95.17	7.34	33.93	33.06	208	68	Peak	HORIZONTAL
3	5350.00	52.77	54.00	-1.23	44.47	7.30	34.06	33.06	208	68	Average	HORIZONTAL
4	5350.29	64.77	74.00	-9.23	56.47	7.30	34.06	33.06	208	68	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.71	66.12	74.00	-7.88	57.58	7.38	34.22	33.06	208	73	Peak	HORIZONTAL
2	5460.00	52.44	54.00	-1.56	43.90	7.38	34.22	33.06	208	73	Average	HORIZONTAL
3	5470.00	52.14	54.00	-1.86	43.54	7.41	34.25	33.06	208	73	Average	HORIZONTAL
4	5470.00	66.40	74.00	-7.60	57.80	7.41	34.25	33.06	208	73	Peak	HORIZONTAL
5	5524.79	95.32			86.57	7.51	34.31	33.07	208	73	Average	HORIZONTAL
6	5534.92	105.72			96.97	7.51	34.32	33.08	208	73	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5596.11	95.29			86.42	7.61	34.35	33.09	250	76	Average	VERTICAL
2	5601.32	107.76			98.85	7.64	34.36	33.09	250	76	Peak	VERTICAL
3	5726.30	52.84	54.00	-1.16	44.13	7.41	34.43	33.13	250	76	Average	VERTICAL
4	5726.30	66.77	74.00	-7.23	58.06	7.41	34.43	33.13	250	76	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5610 MHz.

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5719.13	113.47			104.76	7.41	34.43	33.13	223	70	Peak	HORIZONTAL
2	5719.57	103.55			94.84	7.41	34.43	33.13	223	70	Average	HORIZONTAL
3	5850.00	61.44	68.20	-6.76	52.56	7.54	34.51	33.17	223	70	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.79	104.49			95.79	7.41	34.42	33.13	204	69	Average	HORIZONTAL
2	5715.22	114.04			105.34	7.41	34.42	33.13	204	69	Peak	HORIZONTAL
3	5851.30	60.64	68.20	-7.56	51.76	7.54	34.51	33.17	204	69	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.11	100.85			92.12	7.44	34.41	33.12	261	74	Average	VERTICAL
2	5706.09	110.49			101.76	7.44	34.42	33.13	261	74	Peak	VERTICAL
3	5856.51	62.40	68.20	-5.80	53.51	7.54	34.52	33.17	261	74	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.84	98.07			89.34	7.44	34.41	33.12	205	72	Average	HORIZONTAL
2	5705.05	108.96			100.23	7.44	34.42	33.13	205	72	Peak	HORIZONTAL
3	5850.58	63.99	68.20	-4.21	55.11	7.54	34.51	33.17	205	72	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5264.34	117.36			109.15	7.34	33.93	33.06	235	75	Peak	HORIZONTAL
2	5264.63	107.12			98.91	7.34	33.93	33.06	235	75	Average	HORIZONTAL
3	5350.00	48.46	54.00	-5.54	40.16	7.30	34.06	33.06	235	75	Average	HORIZONTAL
4	5351.16	58.86	74.00	-15.14	50.56	7.30	34.06	33.06	235	75	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5304.78	106.56			98.32	7.32	33.98	33.06	231	77	Average	HORIZONTAL
2	5305.21	117.16			108.92	7.32	33.98	33.06	231	77	Peak	HORIZONTAL
3	5350.00	48.93	54.00	-5.07	40.63	7.30	34.06	33.06	231	77	Average	HORIZONTAL
4	5351.09	61.31	74.00	-12.69	53.01	7.30	34.06	33.06	231	77	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5325.64	105.85			97.58	7.32	34.01	33.06	224	80	Average	HORIZONTAL
2	5325.93	116.72			108.45	7.32	34.01	33.06	224	80	Peak	HORIZONTAL
3	5350.00	51.44	54.00	-2.56	43.14	7.30	34.06	33.06	224	80	Average	HORIZONTAL
4	5353.47	69.67	74.00	-4.33	61.37	7.30	34.06	33.06	224	80	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.55	50.41	54.00	-3.59	41.87	7.38	34.22	33.06	218	71	Average	HORIZONTAL
2	5459.57	62.89	74.00	-11.11	54.35	7.38	34.22	33.06	218	71	Peak	HORIZONTAL
3	5466.82	50.81	54.00	-3.19	42.24	7.38	34.25	33.06	218	71	Average	HORIZONTAL
4	5468.26	66.62	74.00	-7.38	58.05	7.38	34.25	33.06	218	71	Peak	HORIZONTAL
5	5497.40	104.55			95.87	7.44	34.30	33.06	218	71	Average	HORIZONTAL
6	5497.68	116.19			107.51	7.44	34.30	33.06	218	71	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	48.59	54.00	-5.41	40.05	7.38	34.22	33.06	250	110	Average	VERTICAL
2	5460.00	59.93	74.00	-14.07	51.39	7.38	34.22	33.06	250	110	Peak	VERTICAL
3	5470.00	48.84	54.00	-5.16	40.24	7.41	34.25	33.06	250	110	Average	VERTICAL
4	5470.00	60.36	74.00	-13.64	51.76	7.41	34.25	33.06	250	110	Peak	VERTICAL
5	5572.62	103.77			94.94	7.57	34.34	33.08	250	110	Average	VERTICAL
6	5583.47	112.85			103.98	7.61	34.35	33.09	250	110	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.54	116.29			107.56	7.44	34.41	33.12	203	72	Peak	HORIZONTAL
2	5697.68	104.99			96.26	7.44	34.41	33.12	203	72	Average	HORIZONTAL
3	5725.00	52.26	54.00	-1.74	43.55	7.41	34.43	33.13	203	72	Average	HORIZONTAL
4	5725.00	69.49	74.00	-4.51	60.78	7.41	34.43	33.13	203	72	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.36	60.96	74.00	-13.04	53.06	7.21	33.74	33.05	237	347	Peak	HORIZONTAL
2	5150.00	48.64	54.00	-5.36	40.74	7.21	33.74	33.05	237	347	Average	HORIZONTAL
3	5263.04	106.00			97.79	7.34	33.93	33.06	237	347	Average	HORIZONTAL
4	5265.21	117.25			109.04	7.34	33.93	33.06	237	347	Peak	HORIZONTAL
5	5350.00	49.19	54.00	-4.81	40.89	7.30	34.06	33.06	237	347	Average	HORIZONTAL
6	5363.89	61.36	74.00	-12.64	53.03	7.30	34.09	33.06	237	347	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5299.13	104.51			96.27	7.32	33.98	33.06	234	0	Average	VERTICAL
2	5304.34	114.57			106.33	7.32	33.98	33.06	234	0	Peak	VERTICAL
3	5350.00	49.37	54.00	-4.63	41.07	7.30	34.06	33.06	234	0	Average	VERTICAL
4	5354.34	61.81	74.00	-12.19	53.51	7.30	34.06	33.06	234	0	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5314.21	103.96			95.69	7.32	34.01	33.06	236	0	Average	VERTICAL
2	5314.50	115.68			107.41	7.32	34.01	33.06	236	0	Peak	VERTICAL
3	5350.00	52.78	54.00	-1.22	44.48	7.30	34.06	33.06	236	0	Average	VERTICAL
4	5354.34	69.72	74.00	-4.28	61.42	7.30	34.06	33.06	236	0	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.71	50.49	54.00	-3.51	41.95	7.38	34.22	33.06	226	359	Average	VERTICAL
2	5460.00	63.95	74.00	-10.05	55.41	7.38	34.22	33.06	226	359	Peak	VERTICAL
3	5465.37	67.15	68.20	-1.05	58.58	7.38	34.25	33.06	226	359	Peak	VERTICAL
4	5494.21	103.88			95.23	7.44	34.27	33.06	226	359	Average	VERTICAL
5	5494.50	114.35			105.70	7.44	34.27	33.06	226	359	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5419.64	62.64	74.00	-11.36	54.22	7.31	34.17	33.06	183	342	Peak	HORIZONTAL
2	5424.40	51.54	54.00	-2.46	43.12	7.31	34.17	33.06	183	342	Average	HORIZONTAL
3	5464.79	61.36	68.20	-6.84	52.79	7.38	34.25	33.06	183	342	Peak	HORIZONTAL
4	5584.34	106.28			97.41	7.61	34.35	33.09	183	342	Average	HORIZONTAL
5	5584.34	115.71			106.84	7.61	34.35	33.09	183	342	Peak	HORIZONTAL
6	5772.76	63.23	68.20	-4.97	54.62	7.29	34.47	33.15	183	342	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5704.34	100.56			91.82	7.44	34.42	33.12	258	0	Average	VERTICAL
2	5704.63	111.57			102.83	7.44	34.42	33.12	258	0	Peak	VERTICAL
3	5725.00	66.77	68.20	-1.43	58.06	7.41	34.43	33.13	258	0	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5264.50	100.61			92.40	7.34	33.93	33.06	250	97	Average	VERTICAL
2	5284.47	111.62			103.40	7.33	33.95	33.06	250	97	Peak	VERTICAL
3	5351.74	61.29	74.00	-12.71	52.99	7.30	34.06	33.06	250	97	Peak	VERTICAL
4	5354.05	49.08	54.00	-4.92	40.78	7.30	34.06	33.06	250	97	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5299.29	95.09			86.85	7.32	33.98	33.06	250	100	Average	VERTICAL
2	5319.41	107.92			99.65	7.32	34.01	33.06	250	100	Peak	VERTICAL
3	5350.00	52.97	54.00	-1.03	44.67	7.30	34.06	33.06	250	100	Average	VERTICAL
4	5350.00	67.04	74.00	-6.96	58.74	7.30	34.06	33.06	250	100	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.35	50.39	54.00	-3.61	41.85	7.38	34.22	33.06	175	74	Average	HORIZONTAL
2	5459.35	64.58	74.00	-9.42	56.04	7.38	34.22	33.06	175	74	Peak	HORIZONTAL
3	5469.13	72.97	74.00	-1.03	64.40	7.38	34.25	33.06	175	74	Peak	HORIZONTAL
4	5469.57	52.26	54.00	-1.74	43.66	7.41	34.25	33.06	175	74	Average	HORIZONTAL
5	5524.54	100.39			91.64	7.51	34.31	33.07	175	74	Average	HORIZONTAL
6	5524.54	112.06			103.31	7.51	34.31	33.07	175	74	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.83	62.92	74.00	-11.08	54.38	7.38	34.22	33.06	181	69	Peak	HORIZONTAL
2	5459.28	50.10	54.00	-3.90	41.56	7.38	34.22	33.06	181	69	Average	HORIZONTAL
3	5469.28	50.64	54.00	-3.36	42.07	7.38	34.25	33.06	181	69	Average	HORIZONTAL
4	5470.00	63.69	74.00	-10.31	55.09	7.41	34.25	33.06	181	69	Peak	HORIZONTAL
5	5544.21	103.26			94.48	7.54	34.32	33.08	181	69	Average	HORIZONTAL
6	5544.57	114.61			105.83	7.54	34.32	33.08	181	69	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5684.47	110.89			102.12	7.48	34.41	33.12	181	74	Peak	HORIZONTAL
2	5684.76	98.84			90.07	7.48	34.41	33.12	181	74	Average	HORIZONTAL
3	5725.00	52.91	54.00	-1.09	44.20	7.41	34.43	33.13	181	74	Average	HORIZONTAL
4	5725.29	68.08	74.00	-5.92	59.37	7.41	34.43	33.13	181	74	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5259.61	104.46			96.25	7.34	33.93	33.06	177	73	Peak	HORIZONTAL
2	5264.53	91.43			83.22	7.34	33.93	33.06	177	73	Average	HORIZONTAL
3	5350.00	52.52	54.00	-1.48	44.22	7.30	34.06	33.06	177	73	Average	HORIZONTAL
4	5354.92	66.10	74.00	-7.90	57.80	7.30	34.06	33.06	177	73	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5445.67	66.04	74.00	-7.96	57.53	7.35	34.22	33.06	177	70	Peak	HORIZONTAL
2	5459.13	52.91	54.00	-1.09	44.37	7.38	34.22	33.06	177	70	Average	HORIZONTAL
3	5467.40	66.41	74.00	-7.59	57.84	7.38	34.25	33.06	177	70	Peak	HORIZONTAL
4	5469.13	52.52	54.00	-1.48	43.95	7.38	34.25	33.06	177	70	Average	HORIZONTAL
5	5520.01	106.64			97.92	7.48	34.31	33.07	177	70	Peak	HORIZONTAL
6	5539.55	93.99			85.24	7.51	34.32	33.08	177	70	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5584.82	96.54			87.67	7.61	34.35	33.09	189	73	Average	HORIZONTAL
2	5619.99	109.05			100.18	7.60	34.37	33.10	189	73	Peak	HORIZONTAL
3	5725.00	52.98	54.00	-1.02	44.27	7.41	34.43	33.13	189	73	Average	HORIZONTAL
4	5725.43	67.89	74.00	-6.11	59.18	7.41	34.43	33.13	189	73	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5610 MHz.

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.96	105.07			96.37	7.41	34.42	33.13	223	70	Average	HORIZONTAL
2	5716.96	115.66			106.96	7.41	34.42	33.13	223	70	Peak	HORIZONTAL
3	5850.00	60.78	68.20	-7.42	51.90	7.54	34.51	33.17	223	70	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.79	105.40			96.70	7.41	34.42	33.13	175	76	Average	HORIZONTAL
2	5714.79	115.18			106.48	7.41	34.42	33.13	175	76	Peak	HORIZONTAL
3	5850.00	59.65	68.20	-8.55	50.77	7.54	34.51	33.17	175	76	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.80	102.55			93.82	7.44	34.41	33.12	175	77	Average	HORIZONTAL
2	5699.58	112.53			103.80	7.44	34.41	33.12	175	77	Peak	HORIZONTAL
3	5855.21	62.57	68.20	-5.63	53.68	7.54	34.52	33.17	175	77	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 08, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.82	109.32			100.62	7.41	34.42	33.13	176	72	Peak	HORIZONTAL
2	5719.88	98.87			90.16	7.41	34.43	33.13	176	72	Average	HORIZONTAL
3	5850.00	66.41	68.20	-1.79	57.53	7.54	34.51	33.17	176	72	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1
Test Date	Nov. 06, 2015 ~ Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.62	60.38	74.00	-13.62	52.48	7.21	33.74	33.05	246	99	Peak	VERTICAL
2	5150.00	47.76	54.00	-6.24	39.86	7.21	33.74	33.05	246	99	Average	VERTICAL
3	5253.05	100.49			92.30	7.35	33.90	33.06	246	99	Average	VERTICAL
4	5255.66	110.09			101.90	7.35	33.90	33.06	246	99	Peak	VERTICAL
5	5350.00	48.12	54.00	-5.88	39.82	7.30	34.06	33.06	246	99	Average	VERTICAL
6	5352.17	59.79	74.00	-14.21	51.49	7.30	34.06	33.06	246	99	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.76	99.53			91.28	7.33	33.98	33.06	250	98	Average	VERTICAL
2	5297.97	111.53			103.29	7.32	33.98	33.06	250	98	Peak	VERTICAL
3	5350.00	48.17	54.00	-5.83	39.87	7.30	34.06	33.06	250	98	Average	VERTICAL
4	5350.58	61.60	74.00	-12.40	53.30	7.30	34.06	33.06	250	98	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.76	98.83			90.56	7.32	34.01	33.06	250	100	Average	VERTICAL
2	5317.68	110.32			102.05	7.32	34.01	33.06	250	100	Peak	VERTICAL
3	5350.00	50.39	54.00	-3.61	42.09	7.30	34.06	33.06	250	100	Average	VERTICAL
4	5352.75	67.46	74.00	-6.54	59.16	7.30	34.06	33.06	250	100	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.83	62.01	74.00	-11.99	53.47	7.38	34.22	33.06	251	110	Peak	VERTICAL
2	5460.00	48.62	54.00	-5.38	40.08	7.38	34.22	33.06	251	110	Average	VERTICAL
3	5470.00	66.77	68.20	-1.43	58.17	7.41	34.25	33.06	251	110	Peak	VERTICAL
4	5502.03	112.25			103.58	7.44	34.30	33.07	251	110	Peak	VERTICAL
5	5506.37	100.74			92.03	7.48	34.30	33.07	251	110	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5422.37	61.98	74.00	-12.02	53.56	7.31	34.17	33.06	250	104	Peak	VERTICAL
2	5427.00	49.07	54.00	-4.93	40.65	7.31	34.17	33.06	250	104	Average	VERTICAL
3	5468.26	60.09	68.20	-8.11	51.52	7.38	34.25	33.06	250	104	Peak	VERTICAL
4	5582.32	111.02			102.15	7.61	34.35	33.09	250	104	Peak	VERTICAL
5	5586.37	100.61			91.74	7.61	34.35	33.09	250	104	Average	VERTICAL
6	5735.42	61.56	68.20	-6.64	52.89	7.37	34.44	33.14	250	104	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.76	95.61			86.88	7.44	34.41	33.12	254	104	Average	VERTICAL
2	5697.68	107.49			98.76	7.44	34.41	33.12	254	104	Peak	VERTICAL
3	5725.00	52.85	54.00	-1.15	44.14	7.41	34.43	33.13	254	104	Average	VERTICAL
4	5726.01	67.42	74.00	-6.58	58.71	7.41	34.43	33.13	254	104	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.83	60.10	74.00	-13.90	52.20	7.21	33.74	33.05	250	97	Peak	VERTICAL
2	5150.00	47.35	54.00	-6.65	39.45	7.21	33.74	33.05	250	97	Average	VERTICAL
3	5260.87	99.11			90.90	7.34	33.93	33.06	250	97	Average	VERTICAL
4	5263.91	108.89			100.68	7.34	33.93	33.06	250	97	Peak	VERTICAL
5	5350.00	48.25	54.00	-5.75	39.95	7.30	34.06	33.06	250	97	Average	VERTICAL
6	5364.76	60.04	74.00	-13.96	51.71	7.30	34.09	33.06	250	97	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5303.76	110.75			102.51	7.32	33.98	33.06	255	100	Peak	VERTICAL
2	5307.24	99.40			91.16	7.32	33.98	33.06	255	100	Average	VERTICAL
3	5350.00	48.10	54.00	-5.90	39.80	7.30	34.06	33.06	255	100	Average	VERTICAL
4	5358.68	61.34	74.00	-12.66	53.04	7.30	34.06	33.06	255	100	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.33	110.41			102.14	7.32	34.01	33.06	252	98	Peak	VERTICAL
2	5313.20	99.27			91.00	7.32	34.01	33.06	252	98	Average	VERTICAL
3	5350.00	51.56	54.00	-2.44	43.26	7.30	34.06	33.06	252	98	Average	VERTICAL
4	5350.87	68.15	74.00	-5.85	59.85	7.30	34.06	33.06	252	98	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.68	62.61	74.00	-11.39	54.07	7.38	34.22	33.06	250	109	Peak	VERTICAL
2	5460.00	48.80	54.00	-5.20	40.26	7.38	34.22	33.06	250	109	Average	VERTICAL
3	5462.76	67.01	68.20	-1.19	58.44	7.38	34.25	33.06	250	109	Peak	VERTICAL
4	5506.37	112.13			103.42	7.48	34.30	33.07	250	109	Peak	VERTICAL
5	5507.96	100.78			92.07	7.48	34.30	33.07	250	109	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5426.43	49.21	54.00	-4.79	40.79	7.31	34.17	33.06	246	105	Average	VERTICAL
2	5454.79	61.05	74.00	-12.95	52.51	7.38	34.22	33.06	246	105	Peak	VERTICAL
3	5470.00	59.91	68.20	-8.29	51.31	7.41	34.25	33.06	246	105	Peak	VERTICAL
4	5573.05	100.52			91.69	7.57	34.34	33.08	246	105	Average	VERTICAL
5	5585.79	110.34			101.47	7.61	34.35	33.09	246	105	Peak	VERTICAL
6	5727.32	61.06	68.20	-7.14	52.39	7.37	34.43	33.13	246	105	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.19	95.21			86.48	7.44	34.41	33.12	254	109	Average	VERTICAL
2	5693.49	106.34			97.61	7.44	34.41	33.12	254	109	Peak	VERTICAL
3	5725.00	52.61	54.00	-1.39	43.90	7.41	34.43	33.13	254	109	Average	VERTICAL
4	5728.33	67.63	74.00	-6.37	58.96	7.37	34.43	33.13	254	109	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5253.79	108.16			99.97	7.35	33.90	33.06	267	98	Peak	VERTICAL
2	5256.11	98.07			89.88	7.35	33.90	33.06	267	98	Average	VERTICAL
3	5350.00	48.99	54.00	-5.01	40.69	7.30	34.06	33.06	267	98	Average	VERTICAL
4	5352.32	61.31	74.00	-12.69	53.01	7.30	34.06	33.06	267	98	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5320.71	105.83			97.56	7.32	34.01	33.06	258	100	Peak	VERTICAL
2	5322.74	94.96			86.69	7.32	34.01	33.06	258	100	Average	VERTICAL
3	5350.00	52.93	54.00	-1.07	44.63	7.30	34.06	33.06	258	100	Average	VERTICAL
4	5353.47	65.59	74.00	-8.41	57.29	7.30	34.06	33.06	258	100	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.13	62.39	74.00	-11.61	53.85	7.38	34.22	33.06	250	109	Peak	VERTICAL
2	5460.00	50.15	54.00	-3.85	41.61	7.38	34.22	33.06	250	109	Average	VERTICAL
3	5465.66	71.66	74.00	-2.34	63.09	7.38	34.25	33.06	250	109	Peak	VERTICAL
4	5470.00	52.69	54.00	-1.31	44.09	7.41	34.25	33.06	250	109	Average	VERTICAL
5	5504.21	107.60			98.93	7.44	34.30	33.07	250	109	Peak	VERTICAL
6	5507.60	97.47			88.76	7.48	34.30	33.07	250	109	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.84	61.55	74.00	-12.45	53.01	7.38	34.22	33.06	240	107	Peak	VERTICAL
2	5460.00	48.74	54.00	-5.26	40.20	7.38	34.22	33.06	240	107	Average	VERTICAL
3	5469.42	60.78	68.20	-7.42	52.21	7.38	34.25	33.06	240	107	Peak	VERTICAL
4	5535.24	110.28			101.53	7.51	34.32	33.08	240	107	Peak	VERTICAL
5	5535.82	100.24			91.49	7.51	34.32	33.08	240	107	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5653.79	95.70			86.91	7.52	34.39	33.12	263	103	Average	VERTICAL
2	5653.79	105.88			97.09	7.52	34.39	33.12	263	103	Peak	VERTICAL
3	5726.16	67.08	68.20	-1.12	58.37	7.41	34.43	33.13	263	103	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.66	59.18	74.00	-14.82	51.28	7.21	33.74	33.05	272	102	Peak	VERTICAL
2	5150.00	48.81	54.00	-5.19	40.91	7.21	33.74	33.05	272	102	Average	VERTICAL
3	5261.78	91.50			83.29	7.34	33.93	33.06	272	102	Average	VERTICAL
4	5268.29	100.97			92.76	7.34	33.93	33.06	272	102	Peak	VERTICAL
5	5350.00	52.84	54.00	-1.16	44.54	7.30	34.06	33.06	272	102	Average	VERTICAL
6	5351.45	63.37	74.00	-10.63	55.07	7.30	34.06	33.06	272	102	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.83	63.93	74.00	-10.07	55.39	7.38	34.22	33.06	234	109	Peak	VERTICAL
2	5459.28	52.54	54.00	-1.46	44.00	7.38	34.22	33.06	234	109	Average	VERTICAL
3	5469.28	64.65	68.20	-3.55	56.08	7.38	34.25	33.06	234	109	Peak	VERTICAL
4	5510.46	104.11			95.40	7.48	34.30	33.07	234	109	Peak	VERTICAL
5	5518.42	95.05			86.33	7.48	34.31	33.07	234	109	Average	VERTICAL
6	5728.50	61.51	68.20	-6.69	52.84	7.37	34.43	33.13	234	109	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.38	60.18	74.00	-13.82	51.64	7.38	34.22	33.06	275	180	Peak	VERTICAL
2	5458.55	49.85	54.00	-4.15	41.31	7.38	34.22	33.06	275	180	Average	VERTICAL
3	5464.93	62.36	68.20	-5.84	53.79	7.38	34.25	33.06	275	180	Peak	VERTICAL
4	5644.73	103.24			94.41	7.56	34.38	33.11	275	180	Peak	VERTICAL
5	5646.90	93.52			84.69	7.56	34.38	33.11	275	180	Average	VERTICAL
6	5729.34	64.00	68.20	-4.20	55.33	7.37	34.43	33.13	275	180	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.32	106.48			97.77	7.41	34.43	33.13	252	114	Peak	VERTICAL
2	5726.37	97.46			88.79	7.37	34.43	33.13	252	114	Average	VERTICAL
3	5856.95	64.16	68.20	-4.04	55.27	7.54	34.52	33.17	252	114	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5723.47	105.71			97.00	7.41	34.43	33.13	250	104	Peak	VERTICAL
2	5726.37	96.44			87.77	7.37	34.43	33.13	250	104	Average	VERTICAL
3	5852.89	62.65	68.20	-5.55	53.77	7.54	34.51	33.17	250	104	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5723.89	103.30			94.59	7.41	34.43	33.13	242	104	Peak	VERTICAL
2	5726.21	93.50			84.79	7.41	34.43	33.13	242	104	Average	VERTICAL
3	5853.47	62.29	68.20	-5.91	53.41	7.54	34.51	33.17	242	104	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1
Test Date	Nov. 07, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5653.10	92.71			83.91	7.52	34.39	33.11	277	103	Average	VERTICAL
2	5676.98	102.57			93.81	7.48	34.40	33.12	277	103	Peak	VERTICAL
3	5860.13	61.98	68.20	-6.22	53.00	7.64	34.52	33.18	277	103	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.32	112.17			103.96	7.34	33.93	33.06	211	38	Peak	VERTICAL
2	5266.66	101.62			93.41	7.34	33.93	33.06	211	38	Average	VERTICAL
3	5350.00	48.82	54.00	-5.18	40.52	7.30	34.06	33.06	211	38	Average	VERTICAL
4	5352.89	62.04	74.00	-11.96	53.74	7.30	34.06	33.06	211	38	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.50	100.45			92.21	7.32	33.98	33.06	243	94	Average	VERTICAL
2	5295.08	109.97			101.73	7.32	33.98	33.06	243	94	Peak	VERTICAL
3	5350.00	48.32	54.00	-5.68	40.02	7.30	34.06	33.06	243	94	Average	VERTICAL
4	5351.45	60.41	74.00	-13.59	52.11	7.30	34.06	33.06	243	94	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5325.79	109.37			101.10	7.32	34.01	33.06	241	110	Peak	VERTICAL
2	5326.37	100.02			91.75	7.32	34.01	33.06	241	110	Average	VERTICAL
3	5350.43	49.93	54.00	-4.07	41.63	7.30	34.06	33.06	241	110	Average	VERTICAL
4	5351.59	62.91	74.00	-11.09	54.61	7.30	34.06	33.06	241	110	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.84	48.34	54.00	-5.66	39.80	7.38	34.22	33.06	230	58	Average	VERTICAL
2	5459.28	62.27	74.00	-11.73	53.73	7.38	34.22	33.06	230	58	Peak	VERTICAL
3	5468.55	64.65	68.20	-3.55	56.08	7.38	34.25	33.06	230	58	Peak	VERTICAL
4	5502.32	113.17			104.50	7.44	34.30	33.07	230	58	Peak	VERTICAL
5	5506.66	101.68			92.97	7.48	34.30	33.07	230	58	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5425.27	49.43	54.00	-4.57	41.01	7.31	34.17	33.06	236	149	Average	VERTICAL
2	5426.43	60.98	74.00	-13.02	52.56	7.31	34.17	33.06	236	149	Peak	VERTICAL
3	5470.00	60.24	68.20	-7.96	51.64	7.41	34.25	33.06	236	149	Peak	VERTICAL
4	5575.95	112.26			103.43	7.57	34.34	33.08	236	149	Peak	VERTICAL
5	5581.16	102.27			93.41	7.61	34.34	33.09	236	149	Average	VERTICAL
6	5735.42	61.56	68.20	-6.64	52.89	7.37	34.44	33.14	236	149	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.76	98.88			90.15	7.44	34.41	33.12	226	159	Average	VERTICAL
2	5697.54	110.14			101.41	7.44	34.41	33.12	226	159	Peak	VERTICAL
3	5725.00	52.98	54.00	-1.02	44.27	7.41	34.43	33.13	226	159	Average	VERTICAL
4	5727.75	68.70	74.00	-5.30	60.03	7.37	34.43	33.13	226	159	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.70	60.63	74.00	-13.37	52.73	7.21	33.74	33.05	239	154	Peak	VERTICAL
2	5150.00	47.96	54.00	-6.04	40.06	7.21	33.74	33.05	239	154	Average	VERTICAL
3	5263.47	111.69			103.48	7.34	33.93	33.06	239	154	Peak	VERTICAL
4	5266.08	102.02			93.81	7.34	33.93	33.06	239	154	Average	VERTICAL
5	5350.00	48.33	54.00	-5.67	40.03	7.30	34.06	33.06	239	154	Average	VERTICAL
6	5352.60	59.80	74.00	-14.20	51.50	7.30	34.06	33.06	239	154	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5293.63	99.71			91.47	7.32	33.98	33.06	270	328	Average	VERTICAL
2	5296.53	110.30			102.06	7.32	33.98	33.06	270	328	Peak	VERTICAL
3	5350.00	48.20	54.00	-5.80	39.90	7.30	34.06	33.06	270	328	Average	VERTICAL
4	5354.63	60.81	74.00	-13.19	52.51	7.30	34.06	33.06	270	328	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5321.30	111.03			102.76	7.32	34.01	33.06	224	162	Peak	VERTICAL
2	5321.45	99.67			91.40	7.32	34.01	33.06	224	162	Average	VERTICAL
3	5351.01	50.47	54.00	-3.53	42.17	7.30	34.06	33.06	224	162	Average	VERTICAL
4	5351.74	65.66	74.00	-8.34	57.36	7.30	34.06	33.06	224	162	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.26	61.99	74.00	-12.01	53.45	7.38	34.22	33.06	227	58	Peak	VERTICAL
2	5460.00	48.75	54.00	-5.25	40.21	7.38	34.22	33.06	227	58	Average	VERTICAL
3	5469.42	64.27	68.20	-3.93	55.70	7.38	34.25	33.06	227	58	Peak	VERTICAL
4	5498.70	111.98			103.30	7.44	34.30	33.06	227	58	Peak	VERTICAL
5	5505.93	100.69			91.98	7.48	34.30	33.07	227	58	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5440.90	60.64	74.00	-13.36	52.16	7.35	34.19	33.06	225	195	Peak	HORIZONTAL
2	5460.00	48.23	54.00	-5.77	39.69	7.38	34.22	33.06	225	195	Average	HORIZONTAL
3	5467.11	60.28	68.20	-7.92	51.71	7.38	34.25	33.06	225	195	Peak	HORIZONTAL
4	5573.63	102.08			93.25	7.57	34.34	33.08	225	195	Peak	HORIZONTAL
5	5578.84	91.99			83.13	7.61	34.34	33.09	225	195	Average	HORIZONTAL
6	5725.00	61.48	68.20	-6.72	52.77	7.41	34.43	33.13	225	195	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.04	98.10			89.37	7.44	34.41	33.12	225	178	Average	VERTICAL
2	5694.65	108.94			100.21	7.44	34.41	33.12	225	178	Peak	VERTICAL
3	5725.00	52.70	54.00	-1.30	43.99	7.41	34.43	33.13	225	178	Average	VERTICAL
4	5727.17	67.47	74.00	-6.53	58.80	7.37	34.43	33.13	225	178	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5260.74	107.95			99.74	7.34	33.93	33.06	247	153	Peak	VERTICAL
2	5263.05	98.28			90.07	7.34	33.93	33.06	247	153	Average	VERTICAL
3	5350.29	48.42	54.00	-5.58	40.12	7.30	34.06	33.06	247	153	Average	VERTICAL
4	5352.32	60.49	74.00	-13.51	52.19	7.30	34.06	33.06	247	153	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5321.00	95.23			86.96	7.32	34.01	33.06	225	163	Average	VERTICAL
2	5323.31	104.80			96.53	7.32	34.01	33.06	225	163	Peak	VERTICAL
3	5351.45	52.94	54.00	-1.06	44.64	7.30	34.06	33.06	225	163	Average	VERTICAL
4	5351.45	65.83	74.00	-8.17	57.53	7.30	34.06	33.06	225	163	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	50.21	54.00	-3.79	41.67	7.38	34.22	33.06	236	156	Average	VERTICAL
2	5460.00	67.93	74.00	-6.07	59.39	7.38	34.22	33.06	236	156	Peak	VERTICAL
3	5470.00	52.95	54.00	-1.05	44.35	7.41	34.25	33.06	236	156	Average	VERTICAL
4	5470.00	71.15	74.00	-2.85	62.55	7.41	34.25	33.06	236	156	Peak	VERTICAL
5	5518.68	108.60			99.88	7.48	34.31	33.07	236	156	Peak	VERTICAL
6	5523.60	98.42			89.70	7.48	34.31	33.07	236	156	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.40	61.42	74.00	-12.58	52.88	7.38	34.22	33.06	226	152	Peak	VERTICAL
2	5459.71	48.99	54.00	-5.01	40.45	7.38	34.22	33.06	226	152	Average	VERTICAL
3	5470.00	49.16	54.00	-4.84	40.56	7.41	34.25	33.06	226	152	Average	VERTICAL
4	5470.00	60.92	74.00	-13.08	52.32	7.41	34.25	33.06	226	152	Peak	VERTICAL
5	5555.79	100.19			91.40	7.54	34.33	33.08	226	152	Average	VERTICAL
6	5555.79	110.64			101.85	7.54	34.33	33.08	226	152	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5682.45	97.03			88.27	7.48	34.40	33.12	221	342	Average	VERTICAL
2	5684.18	106.94			98.17	7.48	34.41	33.12	221	342	Peak	VERTICAL
3	5730.50	67.01	68.20	-1.19	58.35	7.37	34.43	33.14	221	342	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5263.23	92.27			84.06	7.34	33.93	33.06	258	152	Average	VERTICAL
2	5266.85	101.66			93.45	7.34	33.93	33.06	258	152	Peak	VERTICAL
3	5350.72	52.89	54.00	-1.11	44.59	7.30	34.06	33.06	258	152	Average	VERTICAL
4	5353.62	63.68	74.00	-10.32	55.38	7.30	34.06	33.06	258	152	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.11	62.89	74.00	-11.11	54.35	7.38	34.22	33.06	225	148	Peak	VERTICAL
2	5458.55	52.70	54.00	-1.30	44.16	7.38	34.22	33.06	225	148	Average	VERTICAL
3	5467.83	63.62	68.20	-4.58	55.05	7.38	34.25	33.06	225	148	Peak	VERTICAL
4	5543.02	94.80			86.02	7.54	34.32	33.08	225	148	Average	VERTICAL
5	5543.02	104.80			96.02	7.54	34.32	33.08	225	148	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.93	62.37	74.00	-11.63	53.83	7.38	34.22	33.06	225	147	Peak	VERTICAL
2	5458.55	50.53	54.00	-3.47	41.99	7.38	34.22	33.06	225	147	Average	VERTICAL
3	5462.04	63.49	68.20	-4.71	54.95	7.38	34.22	33.06	225	147	Peak	VERTICAL
4	5582.50	105.88			97.01	7.61	34.35	33.09	225	147	Peak	VERTICAL
5	5583.23	95.54			86.67	7.61	34.35	33.09	225	147	Average	VERTICAL
6	5730.07	64.67	68.20	-3.53	56.00	7.37	34.43	33.13	225	147	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.53	100.25			91.55	7.41	34.42	33.13	225	149	Average	VERTICAL
2	5717.11	109.79			101.09	7.41	34.42	33.13	225	149	Peak	VERTICAL
3	5859.84	62.86	68.20	-5.34	53.88	7.64	34.52	33.18	225	149	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.05	98.85			90.15	7.41	34.42	33.13	225	150	Average	VERTICAL
2	5715.95	109.29			100.59	7.41	34.42	33.13	225	150	Peak	VERTICAL
3	5853.47	61.50	74.00	-12.50	52.62	7.54	34.51	33.17	225	150	Peak	VERTICAL
4	5874.89	49.87	54.00	-4.13	40.88	7.64	34.53	33.18	225	150	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.05	95.56			86.83	7.44	34.41	33.12	227	178	Average	VERTICAL
2	5694.95	105.18			96.45	7.44	34.41	33.12	227	178	Peak	VERTICAL
3	5855.79	61.46	68.20	-6.74	52.57	7.54	34.52	33.17	227	178	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5680.59	94.04			85.28	7.48	34.40	33.12	225	152	Average	VERTICAL
2	5685.66	103.62			94.85	7.48	34.41	33.12	225	152	Peak	VERTICAL
3	5851.45	63.32	68.20	-4.88	54.44	7.54	34.51	33.17	225	152	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.36	60.15	74.00	-13.85	53.25	6.21	33.74	33.05	238	354	Peak	VERTICAL
2	5150.00	46.98	54.00	-7.02	40.08	6.21	33.74	33.05	238	354	Average	VERTICAL
3	5262.60	102.71			95.50	6.34	33.93	33.06	238	354	Average	VERTICAL
4	5263.04	111.85			104.64	6.34	33.93	33.06	238	354	Peak	VERTICAL
5	5350.00	47.24	54.00	-6.76	39.77	6.47	34.06	33.06	238	354	Average	VERTICAL
6	5363.02	59.46	74.00	-14.54	51.96	6.47	34.09	33.06	238	354	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.76	101.34			94.05	6.37	33.98	33.06	223	353	Average	VERTICAL
2	5292.76	111.30			104.01	6.37	33.98	33.06	223	353	Peak	VERTICAL
3	5350.00	47.03	54.00	-6.97	39.56	6.47	34.06	33.06	223	353	Average	VERTICAL
4	5354.63	60.32	74.00	-13.68	52.85	6.47	34.06	33.06	223	353	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.34	92.12			84.77	6.40	34.01	33.06	225	84	Average	HORIZONTAL
2	5314.36	101.49			94.14	6.40	34.01	33.06	225	84	Peak	HORIZONTAL
3	5350.00	47.20	54.00	-6.80	39.73	6.47	34.06	33.06	225	84	Average	HORIZONTAL
4	5352.75	59.71	74.00	-14.29	52.24	6.47	34.06	33.06	225	84	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.84	60.26	74.00	-13.74	52.50	6.60	34.22	33.06	210	350	Peak	VERTICAL
2	5460.00	47.11	54.00	-6.89	39.35	6.60	34.22	33.06	210	350	Average	VERTICAL
3	5470.00	61.01	68.20	-7.19	53.22	6.60	34.25	33.06	210	350	Peak	VERTICAL
4	5493.63	102.18			94.34	6.63	34.27	33.06	210	350	Average	VERTICAL
5	5503.62	112.92			105.04	6.65	34.30	33.07	210	350	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5426.43	49.24	54.00	-4.76	41.57	6.56	34.17	33.06	225	182	Average	VERTICAL
2	5427.58	60.71	74.00	-13.29	53.04	6.56	34.17	33.06	225	182	Peak	VERTICAL
3	5470.00	58.58	68.20	-9.62	50.79	6.60	34.25	33.06	225	182	Peak	VERTICAL
4	5586.37	103.26			95.28	6.72	34.35	33.09	225	182	Average	VERTICAL
5	5586.95	112.58			104.60	6.72	34.35	33.09	225	182	Peak	VERTICAL
6	5746.42	62.07	68.20	-6.13	53.91	6.86	34.44	33.14	225	182	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5706.37	110.50			102.38	6.83	34.42	33.13	225	179	Peak	VERTICAL
2	5706.66	99.91			91.79	6.83	34.42	33.13	225	179	Average	VERTICAL
3	5725.00	52.78	54.00	-1.22	44.65	6.83	34.43	33.13	225	179	Average	VERTICAL
4	5725.72	68.95	74.00	-5.05	60.82	6.83	34.43	33.13	225	179	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	46.48	54.00	-7.52	39.58	6.21	33.74	33.05	211	352	Average	VERTICAL
2	5150.00	59.21	74.00	-14.79	52.31	6.21	33.74	33.05	211	352	Peak	VERTICAL
3	5262.60	112.29			105.08	6.34	33.93	33.06	211	352	Peak	VERTICAL
4	5263.04	102.03			94.82	6.34	33.93	33.06	211	352	Average	VERTICAL
5	5350.00	47.24	54.00	-6.76	39.77	6.47	34.06	33.06	211	352	Average	VERTICAL
6	5362.59	58.84	74.00	-15.16	51.34	6.47	34.09	33.06	211	352	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.24	111.55			104.26	6.37	33.98	33.06	202	168	Peak	VERTICAL
2	5305.79	101.52			94.20	6.40	33.98	33.06	202	168	Average	VERTICAL
3	5350.00	47.72	54.00	-6.28	40.25	6.47	34.06	33.06	202	168	Average	VERTICAL
4	5353.47	60.47	74.00	-13.53	53.00	6.47	34.06	33.06	202	168	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.91	100.30			92.95	6.40	34.01	33.06	223	354	Average	VERTICAL
2	5313.34	111.21			103.86	6.40	34.01	33.06	223	354	Peak	VERTICAL
3	5352.60	49.35	54.00	-4.65	41.88	6.47	34.06	33.06	223	354	Average	VERTICAL
4	5352.89	64.81	74.00	-9.19	57.34	6.47	34.06	33.06	223	354	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.50	49.30	54.00	-4.70	40.76	7.38	34.22	33.06	245	330	Average	VERTICAL
2	5459.57	61.52	74.00	-12.48	52.98	7.38	34.22	33.06	245	330	Peak	VERTICAL
3	5467.97	63.36	68.20	-4.84	54.79	7.38	34.25	33.06	245	330	Peak	VERTICAL
4	5503.62	113.12			104.45	7.44	34.30	33.07	245	330	Peak	VERTICAL
5	5508.25	103.27			94.56	7.48	34.30	33.07	245	330	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5422.37	61.91	74.00	-12.09	53.49	7.31	34.17	33.06	273	156	Peak	VERTICAL
2	5425.99	50.12	54.00	-3.88	41.70	7.31	34.17	33.06	273	156	Average	VERTICAL
3	5464.21	61.00	68.20	-7.20	52.43	7.38	34.25	33.06	273	156	Peak	VERTICAL
4	5581.45	112.87			104.01	7.61	34.34	33.09	273	156	Peak	VERTICAL
5	5585.79	103.40			94.53	7.61	34.35	33.09	273	156	Average	VERTICAL
6	5746.71	62.01	68.20	-6.19	53.38	7.33	34.44	33.14	273	156	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.19	100.29			91.56	7.44	34.41	33.12	257	346	Average	VERTICAL
2	5692.47	110.16			101.43	7.44	34.41	33.12	257	346	Peak	VERTICAL
3	5727.60	67.12	68.20	-1.08	58.45	7.37	34.43	33.13	257	346	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.47	108.77			101.56	6.34	33.93	33.06	206	355	Peak	VERTICAL
2	5263.05	99.44			92.23	6.34	33.93	33.06	206	355	Average	VERTICAL
3	5350.00	47.80	54.00	-6.20	40.33	6.47	34.06	33.06	206	355	Average	VERTICAL
4	5354.34	60.03	74.00	-13.97	52.56	6.47	34.06	33.06	206	355	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.40	106.31			99.02	6.37	33.98	33.06	208	169	Peak	VERTICAL
2	5315.50	95.50			88.15	6.40	34.01	33.06	208	169	Average	VERTICAL
3	5350.00	65.77	74.00	-8.23	58.30	6.47	34.06	33.06	208	169	Peak	VERTICAL
4	5350.87	53.00	54.00	-1.00	45.53	6.47	34.06	33.06	208	169	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	50.03	54.00	-3.97	41.49	7.38	34.22	33.06	262	111	Average	VERTICAL
2	5460.00	62.55	74.00	-11.45	54.01	7.38	34.22	33.06	262	111	Peak	VERTICAL
3	5466.38	67.14	68.20	-1.06	58.57	7.38	34.25	33.06	262	111	Peak	VERTICAL
4	5520.85	101.06			92.34	7.48	34.31	33.07	262	111	Average	VERTICAL
5	5520.85	111.58			102.86	7.48	34.31	33.07	262	111	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.26	61.79	74.00	-12.21	53.25	7.38	34.22	33.06	199	104	Peak	VERTICAL
2	5459.71	49.52	54.00	-4.48	40.98	7.38	34.22	33.06	199	104	Average	VERTICAL
3	5468.84	61.49	68.20	-6.71	52.92	7.38	34.25	33.06	199	104	Peak	VERTICAL
4	5534.95	102.83			94.08	7.51	34.32	33.08	199	104	Average	VERTICAL
5	5540.16	112.59			103.84	7.51	34.32	33.08	199	104	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5676.66	98.83			90.07	7.48	34.40	33.12	212	166	Average	VERTICAL
2	5681.58	108.94			100.18	7.48	34.40	33.12	212	166	Peak	VERTICAL
3	5726.16	66.77	68.20	-1.43	58.06	7.41	34.43	33.13	212	166	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5263.23	92.44			85.23	6.34	33.93	33.06	210	350	Average	VERTICAL
2	5273.36	102.28			95.04	6.37	33.93	33.06	210	350	Peak	VERTICAL
3	5352.89	52.78	54.00	-1.22	45.31	6.47	34.06	33.06	210	350	Average	VERTICAL
4	5353.62	64.03	74.00	-9.97	56.56	6.47	34.06	33.06	210	350	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5434.67	52.87	54.00	-1.13	44.39	7.35	34.19	33.06	233	109	Average	VERTICAL
2	5456.38	62.67	74.00	-11.33	54.13	7.38	34.22	33.06	233	109	Peak	VERTICAL
3	5466.38	63.58	68.20	-4.62	55.01	7.38	34.25	33.06	233	109	Peak	VERTICAL
4	5516.25	106.65			97.93	7.48	34.31	33.07	233	109	Peak	VERTICAL
5	5519.87	97.87			89.15	7.48	34.31	33.07	233	109	Average	VERTICAL
6	5732.24	62.40	68.20	-5.80	53.74	7.37	34.43	33.14	233	109	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.87	63.87	74.00	-10.13	55.33	7.38	34.22	33.06	249	109	Peak	VERTICAL
2	5460.00	50.96	54.00	-3.04	42.42	7.38	34.22	33.06	249	109	Average	VERTICAL
3	5465.07	63.13	68.20	-5.07	54.56	7.38	34.25	33.06	249	109	Peak	VERTICAL
4	5580.33	97.77			88.91	7.61	34.34	33.09	249	109	Average	VERTICAL
5	5580.33	107.13			98.27	7.61	34.34	33.09	249	109	Peak	VERTICAL
6	5735.13	66.86	68.20	-1.34	58.19	7.37	34.44	33.14	249	109	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.95	101.11			92.99	6.83	34.42	33.13	225	175	Average	VERTICAL
2	5716.53	110.88			102.76	6.83	34.42	33.13	225	175	Peak	VERTICAL
3	5856.37	61.83	68.20	-6.37	53.53	6.95	34.52	33.17	225	175	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5717.83	111.23			102.52	7.41	34.43	33.13	265	344	Peak	VERTICAL
2	5727.96	101.38			92.71	7.37	34.43	33.13	265	344	Average	VERTICAL
3	5855.79	62.50	68.20	-5.70	53.61	7.54	34.52	33.17	265	344	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.15	89.19			80.46	7.44	34.41	33.12	208	197	Average	HORIZONTAL
2	5704.93	99.32			90.59	7.44	34.42	33.13	208	197	Peak	HORIZONTAL
3	5891.97	63.40	68.20	-4.80	54.31	7.74	34.54	33.19	208	197	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5653.10	96.53			87.73	7.52	34.39	33.11	258	339	Average	VERTICAL
2	5653.10	105.53			96.73	7.52	34.39	33.11	258	339	Peak	VERTICAL
3	5853.62	63.40	68.20	-4.80	54.51	7.54	34.52	33.17	258	339	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.09	59.61	74.00	-14.39	52.71	6.21	33.74	33.05	200	121	Peak	VERTICAL
2	5150.00	47.05	54.00	-6.95	40.15	6.21	33.74	33.05	200	121	Average	VERTICAL
3	5260.87	104.52			97.31	6.34	33.93	33.06	200	121	Average	VERTICAL
4	5261.30	113.78			106.57	6.34	33.93	33.06	200	121	Peak	VERTICAL
5	5350.00	47.69	54.00	-6.31	40.22	6.47	34.06	33.06	200	121	Average	VERTICAL
6	5353.47	59.91	74.00	-14.09	52.44	6.47	34.06	33.06	200	121	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5298.26	113.19			105.87	6.40	33.98	33.06	213	166	Peak	VERTICAL
2	5298.55	102.54			95.22	6.40	33.98	33.06	213	166	Average	VERTICAL
3	5350.00	47.76	54.00	-6.24	40.29	6.47	34.06	33.06	213	166	Average	VERTICAL
4	5353.47	59.85	74.00	-14.15	52.38	6.47	34.06	33.06	213	166	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5318.41	114.09			106.74	6.40	34.01	33.06	206	166	Peak	VERTICAL
2	5319.28	103.35			96.00	6.40	34.01	33.06	206	166	Average	VERTICAL
3	5350.00	50.02	54.00	-3.98	42.55	6.47	34.06	33.06	206	166	Average	VERTICAL
4	5351.16	64.27	74.00	-9.73	56.80	6.47	34.06	33.06	206	166	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.28	49.11	54.00	-4.89	41.35	6.60	34.22	33.06	200	120	Average	VERTICAL
2	5459.28	61.83	74.00	-12.17	54.07	6.60	34.22	33.06	200	120	Peak	VERTICAL
3	5469.28	63.11	68.20	-5.09	55.32	6.60	34.25	33.06	200	120	Peak	VERTICAL
4	5499.42	103.48			95.61	6.63	34.30	33.06	200	120	Average	VERTICAL
5	5499.57	114.83			106.96	6.63	34.30	33.06	200	120	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5419.48	51.26	54.00	-2.74	43.62	6.53	34.17	33.06	194	123	Average	VERTICAL
2	5419.48	63.35	74.00	-10.65	55.71	6.53	34.17	33.06	194	123	Peak	VERTICAL
3	5467.83	59.74	68.20	-8.46	51.95	6.60	34.25	33.06	194	123	Peak	VERTICAL
4	5579.28	106.25			98.28	6.72	34.34	33.09	194	123	Average	VERTICAL
5	5579.28	114.95			106.98	6.72	34.34	33.09	194	123	Peak	VERTICAL
6	5741.64	61.22	68.20	-6.98	53.06	6.86	34.44	33.14	194	123	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.62	101.58			93.48	6.81	34.41	33.12	200	110	Average	VERTICAL
2	5693.20	111.94			103.84	6.81	34.41	33.12	200	110	Peak	VERTICAL
3	5732.24	66.81	68.20	-1.39	58.66	6.86	34.43	33.14	200	110	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5143.92	59.38	74.00	-14.62	52.48	6.21	33.74	33.05	197	122	Peak	VERTICAL
2	5150.00	47.12	54.00	-6.88	40.22	6.21	33.74	33.05	197	122	Average	VERTICAL
3	5265.21	103.76			96.55	6.34	33.93	33.06	197	122	Average	VERTICAL
4	5265.21	113.84			106.63	6.34	33.93	33.06	197	122	Peak	VERTICAL
5	5350.00	47.55	54.00	-6.45	40.08	6.47	34.06	33.06	197	122	Average	VERTICAL
6	5354.78	59.38	74.00	-14.62	51.91	6.47	34.06	33.06	197	122	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5308.10	100.76			93.44	6.40	33.98	33.06	198	73	Average	VERTICAL
2	5308.10	112.38			105.06	6.40	33.98	33.06	198	73	Peak	VERTICAL
3	5350.00	47.25	54.00	-6.75	39.78	6.47	34.06	33.06	198	73	Average	VERTICAL
4	5359.26	61.40	74.00	-12.60	53.93	6.47	34.06	33.06	198	73	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.80	113.00			105.65	6.40	34.01	33.06	210	296	Peak	VERTICAL
2	5315.95	102.06			94.71	6.40	34.01	33.06	210	296	Average	VERTICAL
3	5351.01	51.41	54.00	-2.59	43.94	6.47	34.06	33.06	210	296	Average	VERTICAL
4	5351.30	68.73	74.00	-5.27	61.26	6.47	34.06	33.06	210	296	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.28	61.09	74.00	-12.91	53.33	6.60	34.22	33.06	200	120	Peak	VERTICAL
2	5459.42	49.44	54.00	-4.56	41.68	6.60	34.22	33.06	200	120	Average	VERTICAL
3	5465.08	67.02	68.20	-1.18	59.23	6.60	34.25	33.06	200	120	Peak	VERTICAL
4	5495.08	103.90			96.06	6.63	34.27	33.06	200	120	Average	VERTICAL
5	5495.08	113.71			105.87	6.63	34.27	33.06	200	120	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5415.14	50.26	54.00	-3.74	42.62	6.53	34.17	33.06	200	124	Average	VERTICAL
2	5415.14	60.89	74.00	-13.11	53.25	6.53	34.17	33.06	200	124	Peak	VERTICAL
3	5464.93	58.98	68.20	-9.22	51.19	6.60	34.25	33.06	200	124	Peak	VERTICAL
4	5574.93	103.49			95.53	6.70	34.34	33.08	200	124	Average	VERTICAL
5	5574.93	113.31			105.35	6.70	34.34	33.08	200	124	Peak	VERTICAL
6	5772.76	62.12	68.20	-6.08	53.92	6.88	34.47	33.15	200	124	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5706.51	99.02			90.90	6.83	34.42	33.13	208	109	Average	VERTICAL
2	5706.95	110.33			102.21	6.83	34.42	33.13	208	109	Peak	VERTICAL
3	5727.32	67.07	68.20	-1.13	58.94	6.83	34.43	33.13	208	109	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5265.08	110.41			103.20	6.34	33.93	33.06	200	121	Peak	VERTICAL
2	5265.37	100.42			93.21	6.34	33.93	33.06	200	121	Average	VERTICAL
3	5350.00	48.32	54.00	-5.68	40.85	6.47	34.06	33.06	200	121	Average	VERTICAL
4	5354.34	60.64	74.00	-13.36	53.17	6.47	34.06	33.06	200	121	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5316.08	95.53			88.18	6.40	34.01	33.06	200	299	Average	VERTICAL
2	5316.37	105.86			98.51	6.40	34.01	33.06	200	299	Peak	VERTICAL
3	5351.16	52.84	54.00	-1.16	45.37	6.47	34.06	33.06	200	299	Average	VERTICAL
4	5351.45	65.51	74.00	-8.49	58.04	6.47	34.06	33.06	200	299	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.26	50.36	54.00	-3.64	42.60	6.60	34.22	33.06	200	302	Average	VERTICAL
2	5458.26	62.44	74.00	-11.56	54.68	6.60	34.22	33.06	200	302	Peak	VERTICAL
3	5463.92	71.74	74.00	-2.26	63.95	6.60	34.25	33.06	200	302	Peak	VERTICAL
4	5468.55	52.91	54.00	-1.09	45.12	6.60	34.25	33.06	200	302	Average	VERTICAL
5	5515.79	110.53			102.64	6.65	34.31	33.07	200	302	Peak	VERTICAL
6	5523.02	99.65			91.76	6.65	34.31	33.07	200	302	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.50	61.43	74.00	-12.57	53.67	6.60	34.22	33.06	200	309	Peak	VERTICAL
2	5457.68	48.55	54.00	-5.45	40.79	6.60	34.22	33.06	200	309	Average	VERTICAL
3	5470.00	61.46	68.20	-6.74	53.67	6.60	34.25	33.06	200	309	Peak	VERTICAL
4	5542.76	111.25			103.33	6.68	34.32	33.08	200	309	Peak	VERTICAL
5	5557.81	101.19			93.24	6.70	34.33	33.08	200	309	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5654.95	98.93			90.87	6.79	34.39	33.12	200	120	Average	VERTICAL
2	5655.24	108.68			100.62	6.79	34.39	33.12	200	120	Peak	VERTICAL
3	5727.60	66.98	68.20	-1.22	58.85	6.83	34.43	33.13	200	120	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015 ~ Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	47.52	54.00	-6.48	40.62	6.21	33.74	33.05	200	124	Average	VERTICAL
2	5150.00	58.52	74.00	-15.48	51.62	6.21	33.74	33.05	200	124	Peak	VERTICAL
3	5260.33	92.36			85.15	6.34	33.93	33.06	200	124	Average	VERTICAL
4	5265.40	102.28			95.07	6.34	33.93	33.06	200	124	Peak	VERTICAL
5	5350.72	52.89	54.00	-1.11	45.42	6.47	34.06	33.06	200	124	Average	VERTICAL
6	5355.07	62.87	74.00	-11.13	55.40	6.47	34.06	33.06	200	124	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5434.67	65.39	74.00	-8.61	57.70	6.56	34.19	33.06	200	308	Peak	VERTICAL
2	5457.83	52.87	54.00	-1.13	45.11	6.60	34.22	33.06	200	308	Average	VERTICAL
3	5467.83	64.37	68.20	-3.83	56.58	6.60	34.25	33.06	200	308	Peak	VERTICAL
4	5558.22	96.67			88.72	6.70	34.33	33.08	200	308	Average	VERTICAL
5	5558.22	105.97			98.02	6.70	34.33	33.08	200	308	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.93	63.47	74.00	-10.53	55.71	6.60	34.22	33.06	201	119	Peak	VERTICAL
2	5458.55	51.77	54.00	-2.23	44.01	6.60	34.22	33.06	201	119	Average	VERTICAL
3	5470.00	63.05	68.20	-5.15	55.26	6.60	34.25	33.06	201	119	Peak	VERTICAL
4	5584.67	107.23			99.25	6.72	34.35	33.09	201	119	Peak	VERTICAL
5	5620.13	98.47			90.46	6.74	34.37	33.10	201	119	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5718.84	104.12			95.99	6.83	34.43	33.13	205	122	Average	VERTICAL
2	5719.42	113.64			105.51	6.83	34.43	33.13	205	122	Peak	VERTICAL
3	5854.05	60.12	68.20	-8.08	51.82	6.95	34.52	33.17	205	122	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5718.26	111.56			103.43	6.83	34.43	33.13	200	123	Peak	VERTICAL
2	5724.63	101.88			93.75	6.83	34.43	33.13	200	123	Average	VERTICAL
3	5855.21	60.15	68.20	-8.05	51.85	6.95	34.52	33.17	200	123	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.69	99.21			91.11	6.81	34.41	33.12	200	110	Average	VERTICAL
2	5702.47	109.10			100.99	6.81	34.42	33.12	200	110	Peak	VERTICAL
3	5856.95	61.65	68.20	-6.55	53.35	6.95	34.52	33.17	200	110	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 06, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.30	96.68			88.57	6.81	34.42	33.12	200	110	Average	VERTICAL
2	5702.30	106.60			98.49	6.81	34.42	33.12	200	110	Peak	VERTICAL
3	5851.45	63.06	68.20	-5.14	54.77	6.95	34.51	33.17	200	110	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	47.76	54.00	-6.24	39.86	7.21	33.74	33.05	266	129	Average	VERTICAL
2	5150.00	60.58	74.00	-13.42	52.68	7.21	33.74	33.05	266	129	Peak	VERTICAL
3	5257.83	115.57			107.38	7.35	33.90	33.06	266	129	Peak	VERTICAL
4	5266.51	103.80			95.59	7.34	33.93	33.06	266	129	Average	VERTICAL
5	5350.00	48.80	54.00	-5.20	40.50	7.30	34.06	33.06	266	129	Average	VERTICAL
6	5350.00	62.10	74.00	-11.90	53.80	7.30	34.06	33.06	266	129	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5297.97	115.24			107.00	7.32	33.98	33.06	291	130	Peak	VERTICAL
2	5306.66	103.97			95.73	7.32	33.98	33.06	291	130	Average	VERTICAL
3	5351.16	63.14	74.00	-10.86	54.84	7.30	34.06	33.06	291	130	Peak	VERTICAL
4	5359.26	50.27	54.00	-3.73	41.97	7.30	34.06	33.06	291	130	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.63	103.15			94.88	7.32	34.01	33.06	270	131	Average	VERTICAL
2	5317.68	114.68			106.41	7.32	34.01	33.06	270	131	Peak	VERTICAL
3	5350.00	52.96	54.00	-1.04	44.66	7.30	34.06	33.06	270	131	Average	VERTICAL
4	5351.30	71.26	74.00	-2.74	62.96	7.30	34.06	33.06	270	131	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.86	65.21	74.00	-8.79	56.67	7.38	34.22	33.06	296	129	Peak	VERTICAL
2	5460.00	50.93	54.00	-3.07	42.39	7.38	34.22	33.06	296	129	Average	VERTICAL
3	5469.71	67.31	74.00	-6.69	58.71	7.41	34.25	33.06	296	129	Peak	VERTICAL
4	5470.00	52.84	54.00	-1.16	44.24	7.41	34.25	33.06	296	129	Average	VERTICAL
5	5497.83	116.34			107.66	7.44	34.30	33.06	296	129	Peak	VERTICAL
6	5506.51	103.81			95.10	7.48	34.30	33.07	296	129	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5355.08	51.80	54.00	-2.20	43.50	7.30	34.06	33.06	293	132	Average	VERTICAL
2	5355.80	63.05	74.00	-10.95	54.75	7.30	34.06	33.06	293	132	Peak	VERTICAL
3	5468.55	61.42	74.00	-12.58	52.85	7.38	34.25	33.06	293	132	Peak	VERTICAL
4	5470.00	48.37	54.00	-5.63	39.77	7.41	34.25	33.06	293	132	Average	VERTICAL
5	5586.51	105.17			96.30	7.61	34.35	33.09	293	132	Average	VERTICAL
6	5586.51	116.22			107.35	7.61	34.35	33.09	293	132	Peak	VERTICAL
7	5819.07	51.22	54.00	-2.78	42.54	7.35	34.49	33.16	293	132	Average	VERTICAL
8	5820.51	64.47	74.00	-9.53	55.78	7.35	34.50	33.16	293	132	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.83	114.09			105.36	7.44	34.41	33.12	291	55	Peak	VERTICAL
2	5701.30	101.65			92.91	7.44	34.42	33.12	291	55	Average	VERTICAL
3	5725.00	66.98	68.20	-1.22	58.27	7.41	34.43	33.13	291	55	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.40	60.19	74.00	-13.81	52.29	7.21	33.74	33.05	295	131	Peak	VERTICAL
2	5150.00	47.82	54.00	-6.18	39.92	7.21	33.74	33.05	295	131	Average	VERTICAL
3	5254.36	113.64			105.45	7.35	33.90	33.06	295	131	Peak	VERTICAL
4	5266.08	102.81			94.60	7.34	33.93	33.06	295	131	Average	VERTICAL
5	5350.00	48.60	54.00	-5.40	40.30	7.30	34.06	33.06	295	131	Average	VERTICAL
6	5353.47	62.36	74.00	-11.64	54.06	7.30	34.06	33.06	295	131	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5298.26	114.04			105.80	7.32	33.98	33.06	288	130	Peak	VERTICAL
2	5306.37	104.35			96.11	7.32	33.98	33.06	288	130	Average	VERTICAL
3	5350.00	50.64	54.00	-3.36	42.34	7.30	34.06	33.06	288	130	Average	VERTICAL
4	5350.00	62.58	74.00	-11.42	54.28	7.30	34.06	33.06	288	130	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.04	103.25			94.98	7.32	34.01	33.06	275	131	Average	VERTICAL
2	5322.60	113.36			105.09	7.32	34.01	33.06	275	131	Peak	VERTICAL
3	5350.00	52.90	54.00	-1.10	44.60	7.30	34.06	33.06	275	131	Average	VERTICAL
4	5352.03	69.02	74.00	-4.98	60.72	7.30	34.06	33.06	275	131	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	51.90	54.00	-2.10	43.36	7.38	34.22	33.06	295	132	Average	VERTICAL
2	5460.00	63.99	74.00	-10.01	55.45	7.38	34.22	33.06	295	132	Peak	VERTICAL
3	5469.86	66.99	68.20	-1.21	58.39	7.41	34.25	33.06	295	132	Peak	VERTICAL
4	5494.50	115.44			106.79	7.44	34.27	33.06	295	132	Peak	VERTICAL
5	5496.96	104.40			95.72	7.44	34.30	33.06	295	132	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5355.08	63.43	74.00	-10.57	55.13	7.30	34.06	33.06	297	132	Peak	VERTICAL
2	5355.80	52.70	54.00	-1.30	44.40	7.30	34.06	33.06	297	132	Average	VERTICAL
3	5470.00	61.42	68.20	-6.78	52.82	7.41	34.25	33.06	297	132	Peak	VERTICAL
4	5585.79	115.49			106.62	7.61	34.35	33.09	297	132	Peak	VERTICAL
5	5587.96	106.00			97.13	7.61	34.35	33.09	297	132	Average	VERTICAL
6	5819.79	63.44	68.20	-4.76	54.75	7.35	34.50	33.16	297	132	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.97	101.83			93.10	7.44	34.41	33.12	293	58	Average	VERTICAL
2	5697.97	113.94			105.21	7.44	34.41	33.12	293	58	Peak	VERTICAL
3	5725.29	66.68	68.20	-1.52	57.97	7.41	34.43	33.13	293	58	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	49.21	54.00	-4.79	41.31	7.21	33.74	33.05	292	132	Average	VERTICAL
2	5150.00	59.63	74.00	-14.37	51.73	7.21	33.74	33.05	292	132	Peak	VERTICAL
3	5264.79	102.74			94.53	7.34	33.93	33.06	292	132	Average	VERTICAL
4	5276.51	113.77			105.55	7.33	33.95	33.06	292	132	Peak	VERTICAL
5	5350.00	52.91	54.00	-1.09	44.61	7.30	34.06	33.06	292	132	Average	VERTICAL
6	5350.00	67.28	74.00	-6.72	58.98	7.30	34.06	33.06	292	132	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5311.74	94.60			86.33	7.32	34.01	33.06	290	133	Average	VERTICAL
2	5313.47	104.87			96.60	7.32	34.01	33.06	290	133	Peak	VERTICAL
3	5350.00	52.81	54.00	-1.19	44.51	7.30	34.06	33.06	290	133	Average	VERTICAL
4	5350.00	65.93	74.00	-8.07	57.63	7.30	34.06	33.06	290	133	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.82	64.82	74.00	-9.18	56.28	7.38	34.22	33.06	300	131	Peak	VERTICAL
2	5460.00	51.75	54.00	-2.25	43.21	7.38	34.22	33.06	300	131	Average	VERTICAL
3	5470.00	66.46	68.20	-1.74	57.86	7.41	34.25	33.06	300	131	Peak	VERTICAL
4	5514.92	99.86			91.14	7.48	34.31	33.07	300	131	Average	VERTICAL
5	5518.97	110.64			101.92	7.48	34.31	33.07	300	131	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.26	65.29	74.00	-8.71	56.75	7.38	34.22	33.06	300	133	Peak	VERTICAL
2	5460.00	51.91	54.00	-2.09	43.37	7.38	34.22	33.06	300	133	Average	VERTICAL
3	5469.71	64.88	68.20	-3.32	56.28	7.41	34.25	33.06	300	133	Peak	VERTICAL
4	5557.53	104.73			95.94	7.54	34.33	33.08	300	133	Average	VERTICAL
5	5559.26	115.32			106.53	7.54	34.33	33.08	300	133	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5683.89	99.82			91.05	7.48	34.41	33.12	296	142	Average	VERTICAL
2	5683.89	110.74			101.97	7.48	34.41	33.12	296	142	Peak	VERTICAL
3	5727.03	66.58	68.20	-1.62	57.91	7.37	34.43	33.13	296	142	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5276.98	101.47			93.25	7.33	33.95	33.06	275	131	Peak	VERTICAL
2	5280.59	91.69			83.47	7.33	33.95	33.06	275	131	Average	VERTICAL
3	5350.00	52.67	54.00	-1.33	44.37	7.30	34.06	33.06	275	131	Average	VERTICAL
4	5350.00	63.21	74.00	-10.79	54.91	7.30	34.06	33.06	275	131	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.28	66.63	74.00	-7.37	58.09	7.38	34.22	33.06	296	132	Peak	VERTICAL
2	5460.00	43.40	54.00	-1.60	34.86	7.38	34.22	33.06	296	132	Average	VERTICAL
3	5470.00	67.18	68.20	-1.02	58.58	7.41	34.25	33.06	296	132	Peak	VERTICAL
4	5515.53	97.86			89.14	7.48	34.31	33.07	296	132	Average	VERTICAL
5	5547.37	108.34			99.56	7.54	34.32	33.08	296	132	Peak	VERTICAL
6	5725.00	61.60	68.20	-6.60	52.89	7.41	34.43	33.13	296	132	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	51.29	54.00	-2.71	42.75	7.38	34.22	33.06	277	129	Average	VERTICAL
2	5460.00	64.59	74.00	-9.41	56.05	7.38	34.22	33.06	277	129	Peak	VERTICAL
3	5462.80	65.14	68.20	-3.06	56.57	7.38	34.25	33.06	277	129	Peak	VERTICAL
4	5595.50	107.80			98.93	7.61	34.35	33.09	277	129	Peak	VERTICAL
5	5597.00	97.69			88.79	7.64	34.35	33.09	277	129	Average	VERTICAL
6	5725.00	66.64	68.20	-1.56	57.93	7.41	34.43	33.13	277	129	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5718.55	103.74			95.03	7.41	34.43	33.13	275	60	Average	VERTICAL
2	5718.55	115.62			106.91	7.41	34.43	33.13	275	60	Peak	VERTICAL
3	5880.39	63.59	68.20	-4.61	54.50	7.74	34.53	33.18	275	60	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.76	104.29			95.59	7.41	34.42	33.13	300	293	Peak	HORIZONTAL
2	5726.51	94.40			85.73	7.37	34.43	33.13	300	293	Average	HORIZONTAL
3	5854.34	61.38	68.20	-6.82	52.49	7.54	34.52	33.17	300	293	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.11	92.12			83.39	7.44	34.42	33.13	300	294	Average	HORIZONTAL
2	5707.83	102.62			93.92	7.41	34.42	33.13	300	294	Peak	HORIZONTAL
3	5884.01	59.63	68.20	-8.57	50.55	7.74	34.53	33.19	300	294	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1
Test Date	Nov. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5678.42	109.12			100.36	7.48	34.40	33.12	298	134	Peak	VERTICAL
2	5697.24	98.87			90.14	7.44	34.41	33.12	298	134	Average	VERTICAL
3	5852.89	63.22	68.20	-4.98	54.34	7.54	34.51	33.17	298	134	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5264.63	115.10			106.89	7.34	33.93	33.06	284	333	Peak	VERTICAL
2	5265.21	105.20			96.99	7.34	33.93	33.06	284	333	Average	VERTICAL
3	5350.00	48.38	54.00	-5.62	40.08	7.30	34.06	33.06	284	333	Average	VERTICAL
4	5352.03	60.86	74.00	-13.14	52.56	7.30	34.06	33.06	284	333	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.50	105.33			97.09	7.32	33.98	33.06	271	333	Average	VERTICAL
2	5294.50	115.32			107.08	7.32	33.98	33.06	271	333	Peak	VERTICAL
3	5350.00	49.26	54.00	-4.74	40.96	7.30	34.06	33.06	271	333	Average	VERTICAL
4	5365.05	62.01	74.00	-11.99	53.68	7.30	34.09	33.06	271	333	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5314.50	105.17			96.90	7.32	34.01	33.06	270	331	Average	VERTICAL
2	5314.79	115.13			106.86	7.32	34.01	33.06	270	331	Peak	VERTICAL
3	5350.58	52.46	54.00	-1.54	44.16	7.30	34.06	33.06	270	331	Average	VERTICAL
4	5351.16	67.88	74.00	-6.12	59.58	7.30	34.06	33.06	270	331	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.82	50.69	54.00	-3.31	42.15	7.38	34.22	33.06	300	51	Average	VERTICAL
2	5457.97	63.45	74.00	-10.55	54.91	7.38	34.22	33.06	300	51	Peak	VERTICAL
3	5468.55	66.52	68.20	-1.68	57.95	7.38	34.25	33.06	300	51	Peak	VERTICAL
4	5502.03	106.14			97.47	7.44	34.30	33.07	300	51	Average	VERTICAL
5	5502.03	115.99			107.32	7.44	34.30	33.07	300	51	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5426.71	50.64	54.00	-3.36	42.22	7.31	34.17	33.06	300	54	Average	VERTICAL
2	5426.71	62.52	74.00	-11.48	54.10	7.31	34.17	33.06	300	54	Peak	VERTICAL
3	5462.04	60.66	68.20	-7.54	52.12	7.38	34.22	33.06	300	54	Peak	VERTICAL
4	5587.24	107.21			98.34	7.61	34.35	33.09	300	54	Average	VERTICAL
5	5587.24	116.58			107.71	7.61	34.35	33.09	300	54	Peak	VERTICAL
6	5737.30	63.16	68.20	-5.04	54.49	7.37	34.44	33.14	300	54	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.03	103.93			95.19	7.44	34.42	33.12	299	51	Average	VERTICAL
2	5702.32	114.21			105.47	7.44	34.42	33.12	299	51	Peak	VERTICAL
3	5731.95	66.98	68.20	-1.22	58.32	7.37	34.43	33.14	299	51	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5141.75	61.51	74.00	-12.49	53.61	7.21	33.74	33.05	275	88	Peak	VERTICAL
2	5150.00	47.98	54.00	-6.02	40.08	7.21	33.74	33.05	275	88	Average	VERTICAL
3	5262.17	104.49			96.28	7.34	33.93	33.06	275	88	Average	VERTICAL
4	5262.60	114.48			106.27	7.34	33.93	33.06	275	88	Peak	VERTICAL
5	5350.00	48.41	54.00	-5.59	40.11	7.30	34.06	33.06	275	88	Average	VERTICAL
6	5358.68	61.07	74.00	-12.93	52.77	7.30	34.06	33.06	275	88	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.19	104.31			96.09	7.33	33.95	33.06	286	331	Average	VERTICAL
2	5307.53	114.54			106.30	7.32	33.98	33.06	286	331	Peak	VERTICAL
3	5350.00	49.74	54.00	-4.26	41.44	7.30	34.06	33.06	286	331	Average	VERTICAL
4	5353.76	62.29	74.00	-11.71	53.99	7.30	34.06	33.06	286	331	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.76	113.76			105.49	7.32	34.01	33.06	292	109	Peak	VERTICAL
2	5313.05	103.78			95.51	7.32	34.01	33.06	292	109	Average	VERTICAL
3	5350.29	52.88	54.00	-1.12	44.58	7.30	34.06	33.06	292	109	Average	VERTICAL
4	5352.32	66.47	74.00	-7.53	58.17	7.30	34.06	33.06	292	109	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.97	63.66	74.00	-10.34	55.12	7.38	34.22	33.06	300	50	Peak	VERTICAL
2	5460.00	50.81	54.00	-3.19	42.27	7.38	34.22	33.06	300	50	Average	VERTICAL
3	5469.42	67.05	68.20	-1.15	58.48	7.38	34.25	33.06	300	50	Peak	VERTICAL
4	5498.84	115.21			106.53	7.44	34.30	33.06	300	50	Peak	VERTICAL
5	5506.08	105.39			96.68	7.48	34.30	33.07	300	50	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5443.07	61.37	74.00	-12.63	52.89	7.35	34.19	33.06	298	54	Peak	VERTICAL
2	5460.00	48.21	54.00	-5.79	39.67	7.38	34.22	33.06	298	54	Average	VERTICAL
3	5470.00	60.34	68.20	-7.86	51.74	7.41	34.25	33.06	298	54	Peak	VERTICAL
4	5585.64	116.76			107.89	7.61	34.35	33.09	298	54	Peak	VERTICAL
5	5586.08	106.66			97.79	7.61	34.35	33.09	298	54	Average	VERTICAL
6	5725.00	60.75	68.20	-7.45	52.04	7.41	34.43	33.13	298	54	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.79	103.10			94.37	7.44	34.42	33.13	300	50	Average	VERTICAL
2	5707.24	112.45			103.72	7.44	34.42	33.13	300	50	Peak	VERTICAL
3	5726.16	66.92	68.20	-1.28	58.21	7.41	34.43	33.13	300	50	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.47	111.69			103.48	7.34	33.93	33.06	300	336	Peak	VERTICAL
2	5265.08	100.91			92.70	7.34	33.93	33.06	300	336	Average	VERTICAL
3	5350.00	49.23	54.00	-4.77	40.93	7.30	34.06	33.06	300	336	Average	VERTICAL
4	5353.47	61.40	74.00	-12.60	53.10	7.30	34.06	33.06	300	336	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5295.82	105.73			97.49	7.32	33.98	33.06	299	114	Peak	VERTICAL
2	5298.13	95.28			87.04	7.32	33.98	33.06	299	114	Average	VERTICAL
3	5350.58	52.47	54.00	-1.53	44.17	7.30	34.06	33.06	299	114	Average	VERTICAL
4	5351.16	64.66	74.00	-9.34	56.36	7.30	34.06	33.06	299	114	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5433.95	64.09	74.00	-9.91	55.61	7.35	34.19	33.06	300	51	Peak	VERTICAL
2	5458.26	51.31	54.00	-2.69	42.77	7.38	34.22	33.06	300	51	Average	VERTICAL
3	5467.83	66.88	68.20	-1.32	58.31	7.38	34.25	33.06	300	51	Peak	VERTICAL
4	5514.34	110.83			102.11	7.48	34.31	33.07	300	51	Peak	VERTICAL
5	5521.29	101.23			92.51	7.48	34.31	33.07	300	51	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5402.11	50.23	54.00	-3.77	41.87	7.28	34.14	33.06	299	58	Average	VERTICAL
2	5454.80	62.05	74.00	-11.95	53.51	7.38	34.22	33.06	299	58	Peak	VERTICAL
3	5456.00	50.64	74.00	-23.36	42.10	7.38	34.22	33.06	299	58	Peak	VERTICAL
4	5462.76	62.32	68.20	-5.88	53.75	7.38	34.25	33.06	299	58	Peak	VERTICAL
5	5536.25	103.96			95.21	7.51	34.32	33.08	299	58	Average	VERTICAL
6	5545.66	114.17			105.39	7.54	34.32	33.08	299	58	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5656.11	101.27			92.48	7.52	34.39	33.12	299	53	Average	VERTICAL
2	5678.97	110.89			102.13	7.48	34.40	33.12	299	53	Peak	VERTICAL
3	5726.45	67.14	68.20	-1.06	58.47	7.37	34.43	33.13	299	53	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.93	59.61	74.00	-14.39	51.71	7.21	33.74	33.05	300	101	Peak	VERTICAL
2	5150.00	48.59	54.00	-5.41	40.69	7.21	33.74	33.05	300	101	Average	VERTICAL
3	5265.40	91.47			83.26	7.34	33.93	33.06	300	101	Average	VERTICAL
4	5275.53	100.85			92.62	7.34	33.95	33.06	300	101	Peak	VERTICAL
5	5350.00	52.55	54.00	-1.45	44.25	7.30	34.06	33.06	300	101	Average	VERTICAL
6	5357.96	63.35	74.00	-10.65	55.05	7.30	34.06	33.06	300	101	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5446.12	63.88	74.00	-10.12	55.37	7.35	34.22	33.06	291	58	Peak	VERTICAL
2	5458.42	52.72	54.00	-1.28	44.18	7.38	34.22	33.06	291	58	Average	VERTICAL
3	5467.11	64.92	68.20	-3.28	56.35	7.38	34.25	33.06	291	58	Peak	VERTICAL
4	5538.68	106.97			98.22	7.51	34.32	33.08	291	58	Peak	VERTICAL
5	5558.94	97.80			89.01	7.54	34.33	33.08	291	58	Average	VERTICAL
6	5725.00	61.12	68.20	-7.08	52.41	7.41	34.43	33.13	291	58	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.10	65.56	74.00	-8.44	57.02	7.38	34.22	33.06	300	54	Peak	VERTICAL
2	5460.00	50.66	54.00	-3.34	42.12	7.38	34.22	33.06	300	54	Average	VERTICAL
3	5462.80	64.40	68.20	-3.80	55.83	7.38	34.25	33.06	300	54	Peak	VERTICAL
4	5595.50	109.92			101.05	7.61	34.35	33.09	300	54	Peak	VERTICAL
5	5618.70	100.25			91.38	7.60	34.37	33.10	300	54	Average	VERTICAL
6	5738.00	66.70	68.20	-1.50	58.03	7.37	34.44	33.14	300	54	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.76	106.53			97.83	7.41	34.42	33.13	300	51	Average	VERTICAL
2	5712.76	115.31			106.61	7.41	34.42	33.13	300	51	Peak	VERTICAL
3	5877.50	62.08	68.20	-6.12	53.09	7.64	34.53	33.18	300	51	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.49	105.30			96.60	7.41	34.42	33.13	299	53	Average	VERTICAL
2	5716.38	115.56			106.86	7.41	34.42	33.13	299	53	Peak	VERTICAL
3	5878.94	62.42	68.20	-5.78	53.33	7.74	34.53	33.18	299	53	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5698.42	102.01			93.28	7.44	34.41	33.12	294	54	Average	VERTICAL
2	5702.76	111.62			102.88	7.44	34.42	33.12	294	54	Peak	VERTICAL
3	5874.60	63.00	68.20	-5.20	54.01	7.64	34.53	33.18	294	54	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5708.80	99.63			90.93	7.41	34.42	33.13	300	49	Average	VERTICAL
2	5716.00	109.31			100.61	7.41	34.42	33.13	300	49	Peak	VERTICAL
3	5852.90	63.03	68.20	-5.17	54.15	7.54	34.51	33.17	300	49	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 09, 2015 ~ Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.53	61.00	74.00	-13.00	53.10	7.21	33.74	33.05	275	78	Peak	VERTICAL
2	5149.13	48.43	54.00	-5.57	40.53	7.21	33.74	33.05	275	78	Average	VERTICAL
3	5266.95	107.78			99.57	7.34	33.93	33.06	275	78	Average	VERTICAL
4	5266.95	116.73			108.52	7.34	33.93	33.06	275	78	Peak	VERTICAL
5	5350.00	49.29	54.00	-4.71	40.99	7.30	34.06	33.06	275	78	Average	VERTICAL
6	5353.04	62.41	74.00	-11.59	54.11	7.30	34.06	33.06	275	78	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5306.37	117.28			109.04	7.32	33.98	33.06	275	77	Peak	VERTICAL
2	5306.66	107.55			99.31	7.32	33.98	33.06	275	77	Average	VERTICAL
3	5356.95	49.79	54.00	-4.21	41.49	7.30	34.06	33.06	275	77	Average	VERTICAL
4	5357.81	62.58	74.00	-11.42	54.28	7.30	34.06	33.06	275	77	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5321.16	105.29			97.02	7.32	34.01	33.06	275	350	Average	VERTICAL
2	5321.16	115.71			107.44	7.32	34.01	33.06	275	350	Peak	VERTICAL
3	5350.87	67.89	74.00	-6.11	59.59	7.30	34.06	33.06	275	350	Peak	VERTICAL
4	5351.01	52.99	54.00	-1.01	44.69	7.30	34.06	33.06	275	350	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.57	65.24	74.00	-8.76	56.70	7.38	34.22	33.06	276	346	Peak	VERTICAL
2	5460.00	52.23	54.00	-1.77	43.69	7.38	34.22	33.06	276	346	Average	VERTICAL
3	5469.28	67.17	68.20	-1.03	58.60	7.38	34.25	33.06	276	346	Peak	VERTICAL
4	5500.72	107.47			98.79	7.44	34.30	33.06	276	346	Average	VERTICAL
5	5501.30	117.58			108.91	7.44	34.30	33.07	276	346	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5422.37	51.81	54.00	-2.19	43.39	7.31	34.17	33.06	270	310	Average	VERTICAL
2	5424.11	62.82	74.00	-11.18	54.40	7.31	34.17	33.06	270	310	Peak	VERTICAL
3	5461.32	61.89	68.20	-6.31	53.35	7.38	34.22	33.06	270	310	Peak	VERTICAL
4	5583.47	109.58			100.71	7.61	34.35	33.09	270	310	Average	VERTICAL
5	5583.47	118.83			109.96	7.61	34.35	33.09	270	310	Peak	VERTICAL
6	5743.81	64.87	68.20	-3.33	56.20	7.37	34.44	33.14	270	310	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.95	116.56			107.83	7.44	34.41	33.12	273	58	Peak	VERTICAL
2	5706.51	105.56			96.83	7.44	34.42	33.13	273	58	Average	VERTICAL
3	5726.30	67.06	68.20	-1.14	58.35	7.41	34.43	33.13	273	58	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.22	60.65	74.00	-13.35	52.75	7.21	33.74	33.05	275	90	Peak	VERTICAL
2	5147.40	49.18	54.00	-4.82	41.28	7.21	33.74	33.05	275	90	Average	VERTICAL
3	5267.38	108.24			100.03	7.34	33.93	33.06	275	90	Average	VERTICAL
4	5268.25	117.01			108.80	7.34	33.93	33.06	275	90	Peak	VERTICAL
5	5351.30	49.38	54.00	-4.62	41.08	7.30	34.06	33.06	275	90	Average	VERTICAL
6	5353.47	60.84	74.00	-13.16	52.54	7.30	34.06	33.06	275	90	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5300.87	116.78			108.54	7.32	33.98	33.06	275	56	Peak	VERTICAL
2	5306.08	107.51			99.27	7.32	33.98	33.06	275	56	Average	VERTICAL
3	5350.87	50.73	54.00	-3.27	42.43	7.30	34.06	33.06	275	56	Average	VERTICAL
4	5352.32	62.50	74.00	-11.50	54.20	7.30	34.06	33.06	275	56	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5316.09	104.81			96.54	7.32	34.01	33.06	284	53	Average	VERTICAL
2	5316.24	115.83			107.56	7.32	34.01	33.06	284	53	Peak	VERTICAL
3	5351.45	52.79	54.00	-1.21	44.49	7.30	34.06	33.06	284	53	Average	VERTICAL
4	5351.59	66.93	74.00	-7.07	58.63	7.30	34.06	33.06	284	53	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.54	51.67	54.00	-2.33	43.13	7.38	34.22	33.06	277	358	Average	VERTICAL
2	5457.97	65.12	74.00	-8.88	56.58	7.38	34.22	33.06	277	358	Peak	VERTICAL
3	5467.68	66.92	68.20	-1.28	58.35	7.38	34.25	33.06	277	358	Peak	VERTICAL
4	5492.76	106.11			97.46	7.44	34.27	33.06	277	358	Average	VERTICAL
5	5497.40	117.31			108.63	7.44	34.30	33.06	277	358	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5421.79	63.37	74.00	-10.63	54.95	7.31	34.17	33.06	275	2	Peak	VERTICAL
2	5427.00	52.18	54.00	-1.82	43.76	7.31	34.17	33.06	275	2	Average	VERTICAL
3	5467.68	61.39	68.20	-6.81	52.82	7.38	34.25	33.06	275	2	Peak	VERTICAL
4	5587.53	108.22			99.35	7.61	34.35	33.09	275	2	Average	VERTICAL
5	5587.53	117.69			108.82	7.61	34.35	33.09	275	2	Peak	VERTICAL
6	5733.10	64.57	68.20	-3.63	55.91	7.37	34.43	33.14	275	2	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.38	104.83			96.10	7.44	34.41	33.12	283	58	Average	VERTICAL
2	5701.30	116.02			107.28	7.44	34.42	33.12	283	58	Peak	VERTICAL
3	5726.45	66.95	68.20	-1.25	58.28	7.37	34.43	33.13	283	58	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24℃	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5261.90	103.29			95.08	7.34	33.93	33.06	275	83	Average	VERTICAL
2	5261.90	114.61			106.40	7.34	33.93	33.06	275	83	Peak	VERTICAL
3	5350.87	61.82	74.00	-12.18	53.52	7.30	34.06	33.06	275	83	Peak	VERTICAL
4	5352.32	50.08	54.00	-3.92	41.78	7.30	34.06	33.06	275	83	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5306.24	106.78			98.54	7.32	33.98	33.06	275	47	Peak	VERTICAL
2	5311.16	96.96			88.69	7.32	34.01	33.06	275	47	Average	VERTICAL
3	5350.58	52.86	54.00	-1.14	44.56	7.30	34.06	33.06	275	47	Average	VERTICAL
4	5355.79	66.42	74.00	-7.58	58.12	7.30	34.06	33.06	275	47	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.66	51.77	54.00	-2.23	43.23	7.38	34.22	33.06	275	48	Average	VERTICAL
2	5457.11	64.42	74.00	-9.58	55.88	7.38	34.22	33.06	275	48	Peak	VERTICAL
3	5468.26	65.62	68.20	-2.58	57.05	7.38	34.25	33.06	275	48	Peak	VERTICAL
4	5521.00	101.46			92.74	7.48	34.31	33.07	275	48	Average	VERTICAL
5	5525.92	113.31			104.56	7.51	34.31	33.07	275	48	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.95	52.49	54.00	-1.51	43.95	7.38	34.22	33.06	282	49	Average	VERTICAL
2	5455.95	64.73	74.00	-9.27	56.19	7.38	34.22	33.06	282	49	Peak	VERTICAL
3	5466.24	65.94	68.20	-2.26	57.37	7.38	34.25	33.06	282	49	Peak	VERTICAL
4	5535.82	106.81			98.06	7.51	34.32	33.08	282	49	Average	VERTICAL
5	5535.82	117.39			108.64	7.51	34.32	33.08	282	49	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5686.21	102.66			93.89	7.48	34.41	33.12	275	55	Average	VERTICAL
2	5686.21	112.50			103.73	7.48	34.41	33.12	275	55	Peak	VERTICAL
3	5727.03	67.00	68.20	-1.20	58.33	7.37	34.43	33.13	275	55	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.00	49.40	54.00	-4.60	41.50	7.21	33.74	33.05	275	49	Average	VERTICAL
2	5146.00	60.40	74.00	-13.60	52.50	7.21	33.74	33.05	275	49	Peak	VERTICAL
3	5286.38	103.07			94.85	7.33	33.95	33.06	275	49	Peak	VERTICAL
4	5300.85	93.50			85.26	7.32	33.98	33.06	275	49	Average	VERTICAL
5	5351.45	52.88	54.00	-1.12	44.58	7.30	34.06	33.06	275	49	Average	VERTICAL
6	5357.24	63.86	74.00	-10.14	55.56	7.30	34.06	33.06	275	49	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5446.98	63.32	74.00	-10.68	54.81	7.35	34.22	33.06	275	64	Peak	VERTICAL
2	5456.38	52.74	54.00	-1.26	44.20	7.38	34.22	33.06	275	64	Average	VERTICAL
3	5464.93	64.22	68.20	-3.98	55.65	7.38	34.25	33.06	275	64	Peak	VERTICAL
4	5541.58	96.52			87.77	7.51	34.32	33.08	275	64	Average	VERTICAL
5	5546.64	106.03			97.25	7.54	34.32	33.08	275	64	Peak	VERTICAL
6	5730.79	61.29	68.20	-6.91	52.63	7.37	34.43	33.14	275	64	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.66	52.67	54.00	-1.33	44.13	7.38	34.22	33.06	275	49	Average	VERTICAL
2	5460.00	64.62	74.00	-9.38	56.08	7.38	34.22	33.06	275	49	Peak	VERTICAL
3	5470.00	64.00	68.20	-4.20	55.40	7.41	34.25	33.06	275	49	Peak	VERTICAL
4	5601.32	110.50			101.59	7.64	34.36	33.09	275	49	Peak	VERTICAL
5	5615.79	101.73			92.86	7.60	34.37	33.10	275	49	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.95	119.11			110.41	7.41	34.42	33.13	273	59	Peak	VERTICAL
2	5725.79	109.04			100.33	7.41	34.43	33.13	273	59	Average	VERTICAL
3	5877.10	66.54	68.20	-1.66	57.55	7.64	34.53	33.18	273	59	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.95	109.37			100.67	7.41	34.42	33.13	275	55	Average	VERTICAL
2	5716.53	119.12			110.42	7.41	34.42	33.13	275	55	Peak	VERTICAL
3	5880.68	64.50	68.20	-3.70	55.41	7.74	34.53	33.18	275	55	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.11	106.44			97.71	7.44	34.41	33.12	276	58	Average	VERTICAL
2	5706.53	115.94			107.21	7.44	34.42	33.13	276	58	Peak	VERTICAL
3	5861.00	62.96	68.20	-5.24	53.98	7.64	34.52	33.18	276	58	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 10, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.37	112.77			104.04	7.44	34.41	33.12	275	56	Peak	VERTICAL
2	5706.21	102.92			94.19	7.44	34.42	33.13	275	56	Average	VERTICAL
3	5854.63	67.05	68.20	-1.15	58.16	7.54	34.52	33.17	275	56	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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