

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

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. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5146.53	60.77	74.00	-13.23	52.87	7.21	33.74	33.05	300	346 Peak	VERTICAL
2	5150.00	49.21	54.00	-4.79	41.31	7.21	33.74	33.05	300	346 Average	VERTICAL
3	5262.17	108.80			100.59	7.34	33.93	33.06	300	346 Average	VERTICAL
4	5262.17	118.39			110.18	7.34	33.93	33.06	300	346 Peak	VERTICAL
5	5350.00	49.80	54.00	-4.20	41.50	7.30	34.06	33.06	300	346 Average	VERTICAL
6	5361.29	64.81	74.00	-9.19	56.48	7.30	34.09	33.06	300	346 Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5293.92	109.61			101.37	7.32	33.98	33.06	300	48 Average	VERTICAL
2	5293.92	118.93			110.69	7.32	33.98	33.06	300	48 Peak	VERTICAL
3	5359.26	51.31	54.00	-2.69	43.01	7.30	34.06	33.06	300	48 Average	VERTICAL
4	5368.23	62.83	74.00	-11.17	54.50	7.30	34.09	33.06	300	48 Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5313.63	107.68			99.41	7.32	34.01	33.06	300	178 Average	VERTICAL
2	5314.36	118.55			110.28	7.32	34.01	33.06	300	178 Peak	VERTICAL
3	5353.04	71.61	74.00	-2.39	63.31	7.30	34.06	33.06	300	178 Peak	VERTICAL
4	5353.18	52.90	54.00	-1.10	44.60	7.30	34.06	33.06	300	178 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. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 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	5460.00	51.80	54.00	-2.20	43.26	7.38	34.22	33.06	300	353	Average	VERTICAL
2	5460.00	64.37	74.00	-9.63	55.83	7.38	34.22	33.06	300	353	Peak	VERTICAL
3	5464.50	67.00	68.20	-1.20	58.43	7.38	34.25	33.06	300	353	Peak	VERTICAL
4	5502.32	109.11			100.44	7.44	34.30	33.07	300	353	Average	VERTICAL
5	5502.75	120.61			111.94	7.44	34.30	33.07	300	353	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	5424.69	53.00	54.00	-1.00	44.58	7.31	34.17	33.06	300	309	Average	VERTICAL
2	5424.69	65.24	74.00	-8.76	56.82	7.31	34.17	33.06	300	309	Peak	VERTICAL
3	5466.53	62.90	68.20	-5.30	54.33	7.38	34.25	33.06	300	309	Peak	VERTICAL
4	5586.37	108.49			99.62	7.61	34.35	33.09	300	309	Average	VERTICAL
5	5586.37	119.39			110.52	7.61	34.35	33.09	300	309	Peak	VERTICAL
6	5747.00	64.26	68.20	-3.94	55.63	7.33	34.44	33.14	300	309	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	5698.84	108.10			99.37	7.44	34.41	33.12	300	157	Average	VERTICAL
2	5699.42	118.80			110.07	7.44	34.41	33.12	300	157	Peak	VERTICAL
3	5726.59	52.87	54.00	-1.13	44.20	7.37	34.43	33.13	300	157	Average	VERTICAL
4	5727.60	69.07	74.00	-4.93	60.40	7.37	34.43	33.13	300	157	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. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5145.66	60.78	74.00	-13.22	52.88	7.21	33.74	33.05	300	81	Peak	VERTICAL
2	5150.00	48.48	54.00	-5.52	40.58	7.21	33.74	33.05	300	81	Average	VERTICAL
3	5266.51	107.91			99.70	7.34	33.93	33.06	300	81	Average	VERTICAL
4	5266.95	117.68			109.47	7.34	33.93	33.06	300	81	Peak	VERTICAL
5	5353.04	49.24	54.00	-4.76	40.94	7.30	34.06	33.06	300	81	Average	VERTICAL
6	5369.54	61.37	74.00	-12.63	53.04	7.30	34.09	33.06	300	81	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5291.61	107.12			98.90	7.33	33.95	33.06	300	47	Average	VERTICAL
2	5297.11	117.79			109.55	7.32	33.98	33.06	300	47	Peak	VERTICAL
3	5357.81	63.54	74.00	-10.46	55.24	7.30	34.06	33.06	300	47	Peak	VERTICAL
4	5358.68	50.83	54.00	-3.17	42.53	7.30	34.06	33.06	300	47	Average	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5311.90	104.98			96.71	7.32	34.01	33.06	300	176	Average	VERTICAL
2	5314.65	116.90			108.63	7.32	34.01	33.06	300	176	Peak	VERTICAL
3	5351.30	67.69	74.00	-6.31	59.39	7.30	34.06	33.06	300	176	Peak	VERTICAL
4	5351.74	52.89	54.00	-1.11	44.59	7.30	34.06	33.06	300	176	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 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 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	5457.54	51.79	54.00	-2.21	43.25	7.38	34.22	33.06	300	359	Average	VERTICAL
2	5457.54	64.50	74.00	-9.50	55.96	7.38	34.22	33.06	300	359	Peak	VERTICAL
3	5467.68	67.03	68.20	-1.17	58.46	7.38	34.25	33.06	300	359	Peak	VERTICAL
4	5507.53	119.14			110.43	7.48	34.30	33.07	300	359	Peak	VERTICAL
5	5507.67	107.82			99.11	7.48	34.30	33.07	300	359	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	5427.00	52.99	54.00	-1.01	44.57	7.31	34.17	33.06	300	4	Average	VERTICAL
2	5427.58	64.60	74.00	-9.40	56.18	7.31	34.17	33.06	300	4	Peak	VERTICAL
3	5467.11	62.51	68.20	-5.69	53.94	7.38	34.25	33.06	300	4	Peak	VERTICAL
4	5578.26	119.19			110.33	7.61	34.34	33.09	300	4	Peak	VERTICAL
5	5587.53	109.03			100.16	7.61	34.35	33.09	300	4	Average	VERTICAL
6	5733.68	63.93	68.20	-4.27	55.27	7.37	34.43	33.14	300	4	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	5694.79	104.87			96.14	7.44	34.41	33.12	298	155	Average	VERTICAL
2	5695.08	115.94			107.21	7.44	34.41	33.12	298	155	Peak	VERTICAL
3	5725.14	67.01	68.20	-1.19	58.30	7.41	34.43	33.13	298	155	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. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5265.37	115.56			107.35	7.34	33.93	33.06	300	346 Peak	VERTICAL
2	5265.37	105.75			97.54	7.34	33.93	33.06	300	346 Average	VERTICAL
3	5350.58	52.20	54.00	-1.80	43.90	7.30	34.06	33.06	300	346 Average	VERTICAL
4	5351.16	64.41	74.00	-9.59	56.11	7.30	34.06	33.06	300	346 Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5296.69	98.10			89.86	7.32	33.98	33.06	300	42 Average	VERTICAL
2	5301.90	108.18			99.94	7.32	33.98	33.06	300	42 Peak	VERTICAL
3	5351.74	52.98	54.00	-1.02	44.68	7.30	34.06	33.06	300	42 Average	VERTICAL
4	5356.37	66.86	74.00	-7.14	58.56	7.30	34.06	33.06	300	42 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. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5457.97	52.96	54.00	-1.04	44.42	7.38	34.22	33.06	300	3 Average	VERTICAL
2	5458.26	63.99	74.00	-10.01	55.45	7.38	34.22	33.06	300	3 Peak	VERTICAL
3	5467.97	64.87	68.20	-3.33	56.30	7.38	34.25	33.06	300	3 Peak	VERTICAL
4	5522.74	104.40			95.68	7.48	34.31	33.07	300	3 Average	VERTICAL
5	5527.66	113.88			105.14	7.51	34.31	33.08	300	3 Peak	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5457.40	51.95	54.00	-2.05	43.41	7.38	34.22	33.06	300	2 Average	VERTICAL
2	5457.68	64.40	74.00	-9.60	55.86	7.38	34.22	33.06	300	2 Peak	VERTICAL
3	5467.40	63.55	68.20	-4.65	54.98	7.38	34.25	33.06	300	2 Peak	VERTICAL
4	5532.63	116.72			107.97	7.51	34.32	33.08	300	2 Peak	VERTICAL
5	5532.92	106.99			98.24	7.51	34.32	33.08	300	2 Average	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5652.63	113.36			104.56	7.52	34.39	33.11	300	359 Peak	VERTICAL
2	5682.74	102.97			94.21	7.48	34.40	33.12	300	359 Average	VERTICAL
3	5732.53	66.99	68.20	-1.21	58.33	7.37	34.43	33.14	300	359 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. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5141.50	49.69	54.00	-4.31	41.79	7.21	33.74	33.05	300	44 Average	VERTICAL
2	5141.50	60.69	74.00	-13.31	52.79	7.21	33.74	33.05	300	44 Peak	VERTICAL
3	5261.78	93.81			85.60	7.34	33.93	33.06	300	44 Average	VERTICAL
4	5306.64	103.25			95.01	7.32	33.98	33.06	300	44 Peak	VERTICAL
5	5352.17	52.71	54.00	-1.29	44.41	7.30	34.06	33.06	300	44 Average	VERTICAL
6	5356.51	62.39	74.00	-11.61	54.09	7.30	34.06	33.06	300	44 Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5454.21	64.69	74.00	-9.31	56.15	7.38	34.22	33.06	300	3 Peak	VERTICAL
2	5457.83	52.94	54.00	-1.06	44.40	7.38	34.22	33.06	300	3 Average	VERTICAL
3	5467.83	64.08	68.20	-4.12	55.51	7.38	34.25	33.06	300	3 Peak	VERTICAL
4	5522.76	96.86			88.14	7.48	34.31	33.07	300	3 Average	VERTICAL
5	5522.76	106.56			97.84	7.48	34.31	33.07	300	3 Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5454.21	64.80	74.00	-9.20	56.26	7.38	34.22	33.06	300	359 Peak	VERTICAL
2	5457.11	52.71	54.00	-1.29	44.17	7.38	34.22	33.06	300	359 Average	VERTICAL
3	5467.11	64.47	68.20	-3.73	55.90	7.38	34.25	33.06	300	359 Peak	VERTICAL
4	5592.63	111.25			102.38	7.61	34.35	33.09	300	359 Peak	VERTICAL
5	5622.30	102.12			93.25	7.60	34.37	33.10	300	359 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. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	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	111.07			102.36	7.41	34.43	33.13	300	155	Average	VERTICAL
2	5718.84	120.25			111.54	7.41	34.43	33.13	300	155	Peak	VERTICAL
3	5882.42	66.85	68.20	-1.35	57.76	7.74	34.53	33.18	300	155	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. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5712.47	108.67			99.97	7.41	34.42	33.13	297	177	Average	VERTICAL
2	5713.05	118.79			110.09	7.41	34.42	33.13	297	177	Peak	VERTICAL
3	5872.58	64.37	68.20	-3.83	55.38	7.64	34.53	33.18	297	177	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. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5694.95	106.37			97.64	7.44	34.41	33.12	297	158 Average	VERTICAL
2	5704.79	115.94			107.21	7.44	34.42	33.13	297	158 Peak	VERTICAL
3	5860.42	63.74	68.20	-4.46	54.76	7.64	34.52	33.18	297	158 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. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	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	102.77			94.01	7.48	34.40	33.12	300	60	Average	VERTICAL
2	5721.84	112.50			103.79	7.41	34.43	33.13	300	60	Peak	VERTICAL
3	5850.72	67.12	68.20	-1.08	58.24	7.54	34.51	33.17	300	60	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

For Beamforming Mode

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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor				
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5251.99	104.78			96.59	7.34	33.91	33.06	221	351	Average	VERTICAL
2	5254.55	114.80			106.61	7.34	33.91	33.06	221	351	Peak	VERTICAL
3	5351.35	47.42	54.00	-6.58	39.12	7.30	34.06	33.06	221	351	Average	VERTICAL
4	5355.83	60.31	74.00	-13.69	52.00	7.29	34.08	33.06	221	351	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5292.31	105.43			97.20	7.33	33.96	33.06	216	352	Average	VERTICAL
2	5295.19	114.65			106.41	7.32	33.98	33.06	216	352	Peak	VERTICAL
3	5358.65	48.63	54.00	-5.37	40.32	7.29	34.08	33.06	216	352	Average	VERTICAL
4	5363.46	60.82	74.00	-13.18	52.51	7.29	34.08	33.06	216	352	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	5313.27	115.10			106.84	7.31	34.01	33.06	215	46	Peak	VERTICAL
2	5313.27	105.18			96.92	7.31	34.01	33.06	215	46	Average	VERTICAL
3	5350.00	51.29	54.00	-2.71	42.99	7.30	34.06	33.06	215	46	Average	VERTICAL
4	5353.81	63.95	74.00	-10.05	55.65	7.30	34.06	33.06	215	46	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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5423.72	62.58	74.00	-11.42	54.12	7.34	34.18	33.06	178	48 Peak	VERTICAL
2	5457.69	50.38	54.00	-3.62	41.82	7.39	34.23	33.06	178	48 Average	VERTICAL
3	5467.63	65.93	68.20	-2.27	57.32	7.42	34.25	33.06	178	48 Peak	VERTICAL
4	5493.91	118.21			109.54	7.45	34.28	33.06	178	48 Peak	VERTICAL
5	5494.55	107.80			99.13	7.45	34.28	33.06	178	48 Average	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5451.15	59.51	74.00	-14.49	50.95	7.39	34.23	33.06	193	130 Peak	VERTICAL
2	5451.64	47.66	54.00	-6.34	39.10	7.39	34.23	33.06	193	130 Average	VERTICAL
3	5469.04	59.53	68.20	-8.67	50.92	7.42	34.25	33.06	193	130 Peak	VERTICAL
4	5582.40	107.39			98.52	7.61	34.35	33.09	193	130 Average	VERTICAL
5	5583.85	117.35			108.48	7.61	34.35	33.09	193	130 Peak	VERTICAL
6	5727.60	60.28	68.20	-7.92	51.60	7.38	34.44	33.14	193	130 Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5694.23	102.52			93.79	7.44	34.42	33.13	195	57 Average	VERTICAL
2	5697.12	113.53			104.80	7.44	34.42	33.13	195	57 Peak	VERTICAL
3	5725.00	67.19	68.20	-1.01	58.50	7.38	34.44	33.13	195	57 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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5283.78	102.36			94.13	7.33	33.96	33.06	203	353	Average	VERTICAL
2	5286.03	112.40			104.17	7.33	33.96	33.06	203	353	Peak	VERTICAL
3	5350.00	49.32	54.00	-4.68	41.02	7.30	34.06	33.06	203	353	Average	VERTICAL
4	5351.41	61.99	74.00	-12.01	53.69	7.30	34.06	33.06	203	353	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.22	96.75			88.51	7.32	33.98	33.06	203	50	Average	VERTICAL
2	5297.50	108.95			100.71	7.32	33.98	33.06	203	50	Peak	VERTICAL
3	5350.00	65.04	74.00	-8.96	56.74	7.30	34.06	33.06	203	50	Peak	VERTICAL
4	5350.39	52.56	54.00	-1.44	44.26	7.30	34.06	33.06	203	50	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
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5458.08	62.02	74.00	-11.98	53.46	7.39	34.23	33.06	202	332	Peak
2	5458.08	50.11	54.00	-3.89	41.55	7.39	34.23	33.06	202	332	Average
3	5470.00	67.15	68.20	-1.05	58.54	7.42	34.25	33.06	202	332	Peak
4	5524.74	112.96			104.22	7.50	34.31	33.07	202	332	Peak
5	5526.35	102.50			93.76	7.50	34.31	33.07	202	332	Average

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5454.17	49.43	54.00	-4.57	40.87	7.39	34.23	33.06	207	332	Average
2	5458.97	61.34	74.00	-12.66	52.78	7.39	34.23	33.06	207	332	Peak
3	5467.95	61.11	68.20	-7.09	52.50	7.42	34.25	33.06	207	332	Peak
4	5534.30	105.02			96.24	7.53	34.32	33.07	207	332	Average
5	5535.90	114.89			106.11	7.53	34.32	33.07	207	332	Peak

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5677.37	100.85			92.08	7.48	34.41	33.12	195	48	Average
2	5677.69	111.53			102.76	7.48	34.41	33.12	195	48	Peak
3	5727.69	67.12	68.20	-1.08	58.44	7.38	34.44	33.14	195	48	Peak

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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 58

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5060.83	59.39	74.00	-14.61	51.92	6.92	33.60	33.05	195	323	Peak	VERTICAL
2	5060.83	46.70	54.00	-7.30	39.23	6.92	33.60	33.05	195	323	Average	VERTICAL
3	5298.00	104.43			96.19	7.32	33.98	33.06	195	323	Peak	VERTICAL
4	5299.62	94.22			85.98	7.32	33.98	33.06	195	323	Average	VERTICAL
5	5350.00	52.78	54.00	-1.22	44.48	7.30	34.06	33.06	195	323	Average	VERTICAL
6	5351.70	64.38	74.00	-9.62	56.08	7.30	34.06	33.06	195	323	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5433.85	67.14	74.00	-6.86	58.64	7.36	34.20	33.06	202	6	Peak	VERTICAL
2	5460.00	52.57	54.00	-1.43	44.01	7.39	34.23	33.06	202	6	Average	VERTICAL
3	5468.40	66.84	68.20	-1.36	58.23	7.42	34.25	33.06	202	6	Peak	VERTICAL
4	5513.00	110.37			101.63	7.50	34.31	33.07	202	6	Peak	VERTICAL
5	5513.17	101.23			92.49	7.50	34.31	33.07	202	6	Average	VERTICAL
6	5733.53	59.74	68.20	-8.46	51.06	7.38	34.44	33.14	202	6	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5451.35	63.43	74.00	-10.57	54.87	7.39	34.23	33.06	189	132	Peak	VERTICAL
2	5459.36	51.05	54.00	-2.95	42.49	7.39	34.23	33.06	189	132	Average	VERTICAL
3	5470.00	64.57	68.20	-3.63	55.96	7.42	34.25	33.06	189	132	Peak	VERTICAL
4	5594.78	101.03			92.12	7.64	34.36	33.09	189	132	Average	VERTICAL
5	5601.19	112.98			104.08	7.64	34.36	33.10	189	132	Peak	VERTICAL
6	5725.00	67.17	68.20	-1.03	58.48	7.38	34.44	33.13	189	132	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 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5718.56	114.38			105.67	7.41	34.43	33.13	185	227	Peak	VERTICAL
2	5722.40	104.88			96.19	7.38	34.44	33.13	185	227	Average	VERTICAL
3	5857.02	59.74	68.20	-8.46	50.78	7.61	34.52	33.17	185	227	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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 142

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.26	111.47			102.74	7.44	34.42	33.13	183	55	Peak	VERTICAL
2	5696.54	101.90			93.17	7.44	34.42	33.13	183	55	Average	VERTICAL
3	5856.15	61.90	68.20	-6.30	52.94	7.61	34.52	33.17	183	55	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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5676.38	110.35			101.58	7.48	34.41	33.12	186	130	Peak	VERTICAL
2	5676.38	99.77			91.00	7.48	34.41	33.12	186	130	Average	VERTICAL
3	5851.86	62.13	68.20	-6.07	53.27	7.52	34.51	33.17	186	130	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5137.41	60.98	74.00	-13.02	53.14	7.17	33.72	33.05	201	323	Peak	VERTICAL
2	5150.00	48.87	54.00	-5.13	40.96	7.22	33.74	33.05	201	323	Average	VERTICAL
3	5252.19	109.95			101.76	7.34	33.91	33.06	201	323	Average	VERTICAL
4	5253.05	119.71			111.52	7.34	33.91	33.06	201	323	Peak	VERTICAL
5	5350.87	49.56	54.00	-4.44	41.26	7.30	34.06	33.06	201	323	Average	VERTICAL
6	5351.30	62.45	74.00	-11.55	54.15	7.30	34.06	33.06	201	323	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5291.61	109.09			100.86	7.33	33.96	33.06	203	48	Average	VERTICAL
2	5293.34	118.62			110.38	7.32	33.98	33.06	203	48	Peak	VERTICAL
3	5354.34	63.64	74.00	-10.36	55.33	7.29	34.08	33.06	203	48	Peak	VERTICAL
4	5372.58	51.23	54.00	-2.77	42.89	7.29	34.11	33.06	203	48	Average	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5323.91	117.95			109.67	7.31	34.03	33.06	204	48	Peak	VERTICAL
2	5325.35	104.05			95.77	7.31	34.03	33.06	204	48	Average	VERTICAL
3	5350.00	52.71	54.00	-1.29	44.41	7.30	34.06	33.06	204	48	Average	VERTICAL
4	5351.30	68.86	74.00	-5.14	60.56	7.30	34.06	33.06	204	48	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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5458.01	61.99	74.00	-12.01	53.43	7.39	34.23	33.06	222	34 Peak	VERTICAL
2	5458.49	49.87	54.00	-4.13	41.31	7.39	34.23	33.06	222	34 Average	VERTICAL
3	5464.58	66.93	68.20	-1.27	58.32	7.42	34.25	33.06	222	34 Peak	VERTICAL
4	5508.01	115.66			106.96	7.47	34.30	33.07	222	34 Peak	VERTICAL
5	5508.17	106.81			98.11	7.47	34.30	33.07	222	34 Average	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5447.79	59.93	74.00	-14.07	51.37	7.39	34.23	33.06	223	57 Peak	VERTICAL
2	5453.56	47.90	54.00	-6.10	39.34	7.39	34.23	33.06	223	57 Average	VERTICAL
3	5466.64	59.90	68.20	-8.30	51.29	7.42	34.25	33.06	223	57 Peak	VERTICAL
4	5586.25	117.26			108.39	7.61	34.35	33.09	223	57 Peak	VERTICAL
5	5587.21	108.00			99.13	7.61	34.35	33.09	223	57 Average	VERTICAL
6	5725.67	59.36	68.20	-8.84	50.67	7.38	34.44	33.13	223	57 Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5705.45	113.06			104.33	7.44	34.42	33.13	218	229 Peak	VERTICAL
2	5708.17	103.94			95.23	7.41	34.43	33.13	218	229 Average	VERTICAL
3	5725.00	67.07	68.20	-1.13	58.38	7.38	34.44	33.13	218	229 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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5263.34	118.02			109.80	7.34	33.94	33.06	203	46 Peak	VERTICAL
2	5287.08	106.94			98.71	7.33	33.96	33.06	203	46 Average	VERTICAL
3	5350.00	69.04	74.00	-4.96	60.74	7.30	34.06	33.06	203	46 Peak	VERTICAL
4	5350.00	52.09	54.00	-1.91	43.79	7.30	34.06	33.06	203	46 Average	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5312.89	108.90			100.64	7.31	34.01	33.06	204	46 Peak	VERTICAL
2	5315.50	97.49			89.23	7.31	34.01	33.06	204	46 Average	VERTICAL
3	5350.00	52.75	54.00	-1.25	44.45	7.30	34.06	33.06	204	46 Average	VERTICAL
4	5350.29	66.49	74.00	-7.51	58.19	7.30	34.06	33.06	204	46 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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 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	5457.76	64.41	74.00	-9.59	55.85	7.39	34.23	33.06	194	133	Peak	VERTICAL
2	5458.08	51.03	54.00	-2.97	42.47	7.39	34.23	33.06	194	133	Average	VERTICAL
3	5464.49	67.11	68.20	-1.09	58.50	7.42	34.25	33.06	194	133	Peak	VERTICAL
4	5524.10	114.88			106.14	7.50	34.31	33.07	194	133	Peak	VERTICAL
5	5524.10	104.66			95.92	7.50	34.31	33.07	194	133	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.33	65.64	74.00	-8.36	57.08	7.39	34.23	33.06	192	227	Peak	VERTICAL
2	5459.30	52.18	54.00	-1.82	43.62	7.39	34.23	33.06	192	227	Average	VERTICAL
3	5468.27	66.61	68.20	-1.59	58.00	7.42	34.25	33.06	192	227	Peak	VERTICAL
4	5535.58	108.34			99.56	7.53	34.32	33.07	192	227	Average	VERTICAL
5	5536.80	117.24			108.46	7.53	34.32	33.07	192	227	Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5685.06	112.73			103.96	7.48	34.41	33.12	218	54	Peak	VERTICAL
2	5685.71	103.39			94.62	7.48	34.41	33.12	218	54	Average	VERTICAL
3	5725.00	67.06	68.20	-1.14	58.37	7.38	34.44	33.13	218	54	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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 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	5259.61	95.43			87.24	7.34	33.91	33.06	199	321	Average	VERTICAL
2	5277.70	105.31			97.08	7.33	33.96	33.06	199	321	Peak	VERTICAL
3	5350.72	52.72	54.00	-1.28	44.42	7.30	34.06	33.06	199	321	Average	VERTICAL
4	5351.45	64.09	74.00	-9.91	55.79	7.30	34.06	33.06	199	321	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	5438.65	68.91	74.00	-5.09	60.41	7.36	34.20	33.06	210	127	Peak	VERTICAL
2	5460.00	52.49	54.00	-1.51	43.93	7.39	34.23	33.06	210	127	Average	VERTICAL
3	5470.00	66.23	68.20	-1.97	57.62	7.42	34.25	33.06	210	127	Peak	VERTICAL
4	5516.38	109.69			100.95	7.50	34.31	33.07	210	127	Peak	VERTICAL
5	5518.78	99.47			90.73	7.50	34.31	33.07	210	127	Average	VERTICAL
6	5731.12	61.61	68.20	-6.59	52.93	7.38	34.44	33.14	210	127	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	5459.36	64.10	74.00	-9.90	55.54	7.39	34.23	33.06	200	38	Peak	VERTICAL
2	5459.36	51.49	54.00	-2.51	42.93	7.39	34.23	33.06	200	38	Average	VERTICAL
3	5467.37	67.00	68.20	-1.20	58.39	7.42	34.25	33.06	200	38	Peak	VERTICAL
4	5581.96	101.32			92.45	7.61	34.35	33.09	200	38	Average	VERTICAL
5	5594.78	113.62			104.71	7.64	34.36	33.09	200	38	Peak	VERTICAL
6	5732.60	65.35	68.20	-2.85	56.67	7.38	34.44	33.14	200	38	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 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5723.21	108.04			99.35	7.38	34.44	33.13	224	56 Average	VERTICAL
2	5725.13	117.28			108.59	7.38	34.44	33.13	224	56 Peak	VERTICAL
3	5885.39	64.13	68.20	-4.07	55.08	7.70	34.53	33.18	224	56 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	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 142

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.97	105.66			96.93	7.44	34.42	33.13	220	54	Average	VERTICAL
2	5694.62	115.87			107.14	7.44	34.42	33.13	220	54	Peak	VERTICAL
3	5863.21	63.15	68.20	-5.05	54.20	7.61	34.52	33.18	220	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 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5681.19	113.73			104.96	7.48	34.41	33.12	196	52	Peak	VERTICAL
2	5686.80	101.52			92.75	7.48	34.41	33.12	196	52	Average	VERTICAL
3	5854.26	64.70	68.20	-3.50	55.84	7.52	34.51	33.17	196	52	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5267.80	119.11			110.89	7.34	33.94	33.06	171	286 Peak	VERTICAL
2	5268.40	110.44			102.22	7.34	33.94	33.06	171	286 Average	VERTICAL
3	5359.60	49.57	54.00	-4.43	41.26	7.29	34.08	33.06	171	286 Average	VERTICAL
4	5363.20	61.99	74.00	-12.01	53.68	7.29	34.08	33.06	171	286 Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5292.00	109.39			101.16	7.33	33.96	33.06	204	49 Average	VERTICAL
2	5293.20	118.96			110.72	7.32	33.98	33.06	204	49 Peak	VERTICAL
3	5358.80	51.78	54.00	-2.22	43.47	7.29	34.08	33.06	204	49 Average	VERTICAL
4	5374.00	62.84	74.00	-11.16	54.50	7.29	34.11	33.06	204	49 Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5316.00	119.48			111.22	7.31	34.01	33.06	180	47 Peak	VERTICAL
2	5316.80	107.84			99.58	7.31	34.01	33.06	180	47 Average	VERTICAL
3	5350.00	52.44	54.00	-1.56	44.14	7.30	34.06	33.06	180	47 Average	VERTICAL
4	5352.00	65.84	74.00	-8.16	57.54	7.30	34.06	33.06	180	47 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	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5453.80	66.03	74.00	-7.97	57.47	7.39	34.23	33.06	173	127 Peak	VERTICAL
2	5457.60	52.91	54.00	-1.09	44.35	7.39	34.23	33.06	173	127 Average	VERTICAL
3	5467.80	66.96	68.20	-1.24	58.35	7.42	34.25	33.06	173	127 Peak	VERTICAL
4	5494.80	109.73			101.06	7.45	34.28	33.06	173	127 Average	VERTICAL
5	5502.60	120.03			111.32	7.47	34.30	33.06	173	127 Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5449.80	61.82	74.00	-12.18	53.26	7.39	34.23	33.06	170	131 Peak	VERTICAL
2	5451.60	50.10	54.00	-3.90	41.54	7.39	34.23	33.06	170	131 Average	VERTICAL
3	5463.00	63.02	68.20	-5.18	54.46	7.39	34.23	33.06	170	131 Peak	VERTICAL
4	5583.60	110.83			101.96	7.61	34.35	33.09	170	131 Average	VERTICAL
5	5587.20	120.77			111.90	7.61	34.35	33.09	170	131 Peak	VERTICAL
6	5725.80	61.31	68.20	-6.89	52.62	7.38	34.44	33.13	170	131 Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5693.40	105.15			96.42	7.44	34.42	33.13	173	229 Average	VERTICAL
2	5693.80	115.55			106.82	7.44	34.42	33.13	173	229 Peak	VERTICAL
3	5725.00	67.05	68.20	-1.15	58.36	7.38	34.44	33.13	173	229 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	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	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	105.50			97.31	7.34	33.91	33.06	180	347	Average	VERTICAL
2	5263.20	115.10			106.88	7.34	33.94	33.06	180	347	Peak	VERTICAL
3	5350.40	70.55	74.00	-3.45	62.25	7.30	34.06	33.06	180	347	Peak	VERTICAL
4	5350.40	52.85	54.00	-1.15	44.55	7.30	34.06	33.06	180	347	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	5316.80	109.60			101.34	7.31	34.01	33.06	181	45	Peak	VERTICAL
2	5320.80	99.28			91.02	7.31	34.01	33.06	181	45	Average	VERTICAL
3	5350.00	52.75	54.00	-1.25	44.45	7.30	34.06	33.06	181	45	Average	VERTICAL
4	5351.60	65.13	74.00	-8.87	56.83	7.30	34.06	33.06	181	45	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	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5457.60	51.68	54.00	-2.32	43.12	7.39	34.23	33.06	177	340 Average	VERTICAL
2	5459.20	65.00	74.00	-9.00	56.44	7.39	34.23	33.06	177	340 Peak	VERTICAL
3	5467.20	66.86	68.20	-1.34	58.25	7.42	34.25	33.06	177	340 Peak	VERTICAL
4	5526.80	114.29			105.55	7.50	34.31	33.07	177	340 Peak	VERTICAL
5	5527.20	104.81			96.03	7.53	34.32	33.07	177	340 Average	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5453.20	64.95	74.00	-9.05	56.39	7.39	34.23	33.06	202	4 Peak	VERTICAL
2	5457.20	52.26	54.00	-1.74	43.70	7.39	34.23	33.06	202	4 Average	VERTICAL
3	5469.60	63.79	68.20	-4.41	55.18	7.42	34.25	33.06	202	4 Peak	VERTICAL
4	5536.40	107.68			98.90	7.53	34.32	33.07	202	4 Average	VERTICAL
5	5538.40	117.55			108.77	7.53	34.32	33.07	202	4 Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5666.80	113.32			104.52	7.51	34.40	33.11	189	135 Peak	VERTICAL
2	5685.20	102.06			93.29	7.48	34.41	33.12	189	135 Average	VERTICAL
3	5726.40	66.97	68.20	-1.23	58.29	7.38	34.44	33.14	189	135 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	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.00	95.76			87.57	7.34	33.91	33.06	201	44	Average	VERTICAL
2	5284.00	107.52			99.29	7.33	33.96	33.06	201	44	Peak	VERTICAL
3	5350.00	64.18	74.00	-9.82	55.88	7.30	34.06	33.06	201	44	Peak	VERTICAL
4	5350.00	52.72	54.00	-1.28	44.42	7.30	34.06	33.06	201	44	Average	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor				
						dB	dB/m	dB	cm	deg		
1	5452.00	52.37	54.00	-1.63	43.81	7.39	34.23	33.06	195	128	Average	VERTICAL
2	5454.00	65.01	74.00	-8.99	56.45	7.39	34.23	33.06	195	128	Peak	VERTICAL
3	5465.00	64.84	68.20	-3.36	56.23	7.42	34.25	33.06	195	128	Peak	VERTICAL
4	5538.00	109.88			101.10	7.53	34.32	33.07	195	128	Peak	VERTICAL
5	5542.00	98.95			90.18	7.53	34.32	33.08	195	128	Average	VERTICAL
6	5769.00	61.29	68.20	-6.91	52.66	7.32	34.46	33.15	195	128	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.00	66.26	74.00	-7.74	57.70	7.39	34.23	33.06	176	134	Peak	VERTICAL
2	5460.00	52.69	54.00	-1.31	44.13	7.39	34.23	33.06	176	134	Average	VERTICAL
3	5464.00	65.79	68.20	-2.41	57.18	7.42	34.25	33.06	176	134	Peak	VERTICAL
4	5580.00	103.03			94.16	7.61	34.35	33.09	176	134	Average	VERTICAL
5	5581.00	112.50			103.63	7.61	34.35	33.09	176	134	Peak	VERTICAL
6	5728.00	64.84	68.20	-3.36	56.16	7.38	34.44	33.14	176	134	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 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5717.00	116.86			108.15	7.41	34.43	33.13	196	235 Peak	VERTICAL
2	5726.60	106.94			98.26	7.38	34.44	33.14	196	235 Average	VERTICAL
3	5868.80	61.93	68.20	-6.27	52.98	7.61	34.52	33.18	196	235 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	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5695.60	103.96			95.23	7.44	34.42	33.13	173	119 Average	VERTICAL
2	5696.40	112.89			104.16	7.44	34.42	33.13	173	119 Peak	VERTICAL
3	5857.20	64.49	68.20	-3.71	55.53	7.61	34.52	33.17	173	119 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	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5718.00	112.01			103.30	7.41	34.43	33.13	196	226	Peak	VERTICAL
2	5721.00	102.69			93.98	7.41	34.43	33.13	196	226	Average	VERTICAL
3	5854.00	67.10	68.20	-1.10	58.24	7.52	34.51	33.17	196	226	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5110.60	47.85	54.00	-6.15	39.26	7.97	33.67	33.05	192	308	Average	VERTICAL
2	5118.40	60.83	74.00	-13.17	52.16	8.03	33.69	33.05	192	308	Peak	VERTICAL
3	5262.40	111.47			102.33	8.26	33.94	33.06	192	308	Peak	VERTICAL
4	5263.00	102.22			93.08	8.26	33.94	33.06	192	308	Average	VERTICAL
5	5372.20	49.58	54.00	-4.42	40.35	8.18	34.11	33.06	192	308	Average	VERTICAL
6	5381.80	61.86	74.00	-12.14	52.63	8.18	34.11	33.06	192	308	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5308.00	113.39			104.21	8.23	34.01	33.06	208	340	Peak	VERTICAL
2	5308.00	104.47			95.29	8.23	34.01	33.06	208	340	Average	VERTICAL
3	5358.00	49.96	54.00	-4.04	40.75	8.19	34.08	33.06	208	340	Average	VERTICAL
4	5370.40	61.35	74.00	-12.65	52.12	8.18	34.11	33.06	208	340	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.00	104.71			95.53	8.23	34.01	33.06	183	168	Average	VERTICAL
2	5312.20	113.31			104.13	8.23	34.01	33.06	183	168	Peak	VERTICAL
3	5351.80	51.96	54.00	-2.04	42.76	8.20	34.06	33.06	183	168	Average	VERTICAL
4	5355.80	65.51	74.00	-8.49	56.30	8.19	34.08	33.06	183	168	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	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.20	62.61	74.00	-11.39	53.08	8.36	34.23	33.06	200	49	Peak	HORIZONTAL
2	5460.00	50.20	54.00	-3.80	40.67	8.36	34.23	33.06	200	49	Average	HORIZONTAL
3	5467.80	64.18	68.20	-4.02	54.58	8.41	34.25	33.06	200	49	Peak	HORIZONTAL
4	5506.80	115.13			105.39	8.51	34.30	33.07	200	49	Peak	HORIZONTAL
5	5508.40	105.28			95.54	8.51	34.30	33.07	200	49	Average	HORIZONTAL

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	5455.20	61.57	74.00	-12.43	52.04	8.36	34.23	33.06	201	348	Peak	HORIZONTAL
2	5459.40	49.41	54.00	-4.59	39.88	8.36	34.23	33.06	201	348	Average	HORIZONTAL
3	5461.80	62.06	68.20	-6.14	52.53	8.36	34.23	33.06	201	348	Peak	HORIZONTAL
4	5587.20	114.00			103.99	8.75	34.35	33.09	201	348	Peak	HORIZONTAL
5	5587.20	103.82			93.81	8.75	34.35	33.09	201	348	Average	HORIZONTAL
6	5725.00	60.53	68.20	-7.67	50.75	8.47	34.44	33.13	201	348	Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5708.00	107.64			97.83	8.51	34.43	33.13	201	203	Peak	VERTICAL
2	5708.80	98.88			89.07	8.51	34.43	33.13	201	203	Average	VERTICAL
3	5725.00	67.04	68.20	-1.16	57.26	8.47	34.44	33.13	201	203	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	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5280.40	110.26			101.11	8.25	33.96	33.06	195	40 Peak	VERTICAL
2	5283.60	100.75			91.60	8.25	33.96	33.06	195	40 Average	VERTICAL
3	5363.20	49.80	54.00	-4.20	40.59	8.19	34.08	33.06	195	40 Average	VERTICAL
4	5368.40	61.80	74.00	-12.20	52.59	8.19	34.08	33.06	195	40 Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5312.80	96.01			86.83	8.23	34.01	33.06	190	16 Average	VERTICAL
2	5313.20	106.05			96.87	8.23	34.01	33.06	190	16 Peak	VERTICAL
3	5350.00	52.90	54.00	-1.10	43.70	8.20	34.06	33.06	190	16 Average	VERTICAL
4	5350.40	66.12	74.00	-7.88	56.92	8.20	34.06	33.06	190	16 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	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5458.80	65.73	74.00	-8.27	56.20	8.36	34.23	33.06	190	306 Peak	HORIZONTAL
2	5460.00	50.67	54.00	-3.33	41.14	8.36	34.23	33.06	190	306 Average	HORIZONTAL
3	5462.00	67.07	68.20	-1.13	57.54	8.36	34.23	33.06	190	306 Peak	HORIZONTAL
4	5495.20	100.78			91.03	8.51	34.30	33.06	190	306 Average	HORIZONTAL
5	5495.60	109.91			100.16	8.51	34.30	33.06	190	306 Peak	HORIZONTAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5456.40	50.81	54.00	-3.19	41.28	8.36	34.23	33.06	184	46 Average	VERTICAL
2	5459.20	61.88	74.00	-12.12	52.35	8.36	34.23	33.06	184	46 Peak	VERTICAL
3	5466.80	62.09	68.20	-6.11	52.49	8.41	34.25	33.06	184	46 Peak	VERTICAL
4	5535.20	105.54			95.68	8.61	34.32	33.07	184	46 Average	VERTICAL
5	5538.00	115.79			105.93	8.61	34.32	33.07	184	46 Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5661.20	109.86			99.93	8.64	34.40	33.11	190	23 Peak	HORIZONTAL
2	5671.60	100.22			90.30	8.64	34.40	33.12	190	23 Average	HORIZONTAL
3	5726.40	67.16	68.20	-1.04	57.39	8.47	34.44	33.14	190	23 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
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5040.00	46.70	54.00	-7.30	38.44	7.74	33.57	33.05	184	229 Average	VERTICAL
2	5106.00	59.37	74.00	-14.63	50.78	7.97	33.67	33.05	184	229 Peak	VERTICAL
3	5254.00	104.29			95.17	8.27	33.91	33.06	184	229 Peak	VERTICAL
4	5254.00	94.65			85.53	8.27	33.91	33.06	184	229 Average	VERTICAL
5	5350.00	52.97	54.00	-1.03	43.77	8.20	34.06	33.06	184	229 Average	VERTICAL
6	5352.00	64.89	74.00	-9.11	55.69	8.20	34.06	33.06	184	229 Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5456.00	64.58	74.00	-9.42	55.05	8.36	34.23	33.06	183	360 Peak	HORIZONTAL
2	5457.00	52.99	54.00	-1.01	43.46	8.36	34.23	33.06	183	360 Average	HORIZONTAL
3	5465.00	66.25	68.20	-1.95	56.65	8.41	34.25	33.06	183	360 Peak	HORIZONTAL
4	5516.00	105.85			96.05	8.56	34.31	33.07	183	360 Peak	HORIZONTAL
5	5527.00	98.98			89.18	8.56	34.31	33.07	183	360 Average	HORIZONTAL
6	5769.00	61.14	68.20	-7.06	51.44	8.39	34.46	33.15	183	360 Peak	HORIZONTAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5454.00	63.20	74.00	-10.80	53.67	8.36	34.23	33.06	202	26 Peak	HORIZONTAL
2	5460.00	50.88	54.00	-3.12	41.35	8.36	34.23	33.06	202	26 Average	HORIZONTAL
3	5469.00	64.70	68.20	-3.50	55.10	8.41	34.25	33.06	202	26 Peak	HORIZONTAL
4	5583.00	98.34			88.33	8.75	34.35	33.09	202	26 Average	HORIZONTAL
5	5587.00	111.73			101.72	8.75	34.35	33.09	202	26 Peak	HORIZONTAL
6	5726.00	67.03	68.20	-1.17	57.25	8.47	34.44	33.13	202	26 Peak	HORIZONTAL

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 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	100.47			90.66	8.51	34.43	33.13	200	23	Average	HORIZONTAL
2	5723.60	110.37			100.59	8.47	34.44	33.13	200	23	Peak	HORIZONTAL
3	5856.60	62.11	68.20	-6.09	52.12	8.64	34.52	33.17	200	23	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	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5696.40	98.29			88.44	8.56	34.42	33.13	192	354 Average	HORIZONTAL
2	5702.80	108.95			99.10	8.56	34.42	33.13	192	354 Peak	HORIZONTAL
3	5858.00	62.12	68.20	-6.08	52.13	8.64	34.52	33.17	192	354 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
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.00	97.11			87.26	8.56	34.42	33.13	185	27	Average	HORIZONTAL
2	5708.00	107.07			97.26	8.51	34.43	33.13	185	27	Peak	HORIZONTAL
3	5861.00	63.76	68.20	-4.44	53.78	8.64	34.52	33.18	185	27	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5132.00	47.76	54.00	-6.24	39.00	8.09	33.72	33.05	201	319 Average	VERTICAL
2	5136.40	60.95	74.00	-13.05	52.19	8.09	33.72	33.05	201	319 Peak	VERTICAL
3	5252.80	119.25			110.13	8.27	33.91	33.06	201	319 Peak	VERTICAL
4	5254.00	108.36			99.24	8.27	33.91	33.06	201	319 Average	VERTICAL
5	5356.00	49.71	54.00	-4.29	40.50	8.19	34.08	33.06	201	319 Average	VERTICAL
6	5360.20	62.22	74.00	-11.78	53.01	8.19	34.08	33.06	201	319 Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5305.60	106.89			97.73	8.24	33.98	33.06	200	49 Average	VERTICAL
2	5306.00	117.03			107.87	8.24	33.98	33.06	200	49 Peak	VERTICAL
3	5370.40	63.50	74.00	-10.50	54.27	8.18	34.11	33.06	200	49 Peak	VERTICAL
4	5374.40	51.17	54.00	-2.83	41.94	8.18	34.11	33.06	200	49 Average	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5328.00	111.71			102.52	8.22	34.03	33.06	173	80 Peak	HORIZONTAL
2	5328.00	103.26			94.07	8.22	34.03	33.06	173	80 Average	HORIZONTAL
3	5350.00	52.78	54.00	-1.22	43.58	8.20	34.06	33.06	173	80 Average	HORIZONTAL
4	5359.40	68.61	74.00	-5.39	59.40	8.19	34.08	33.06	173	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 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5453.60	50.85	54.00	-3.15	41.32	8.36	34.23	33.06	197	58 Average	HORIZONTAL
2	5459.00	62.92	74.00	-11.08	53.39	8.36	34.23	33.06	197	58 Peak	HORIZONTAL
3	5469.80	66.96	68.20	-1.24	57.36	8.41	34.25	33.06	197	58 Peak	HORIZONTAL
4	5493.60	104.84			95.16	8.46	34.28	33.06	197	58 Average	HORIZONTAL
5	5493.80	114.11			104.43	8.46	34.28	33.06	197	58 Peak	HORIZONTAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5412.00	51.68	54.00	-2.32	42.37	8.22	34.15	33.06	197	52 Average	VERTICAL
2	5424.80	62.43	74.00	-11.57	53.04	8.27	34.18	33.06	197	52 Peak	VERTICAL
3	5470.00	61.69	68.20	-6.51	52.09	8.41	34.25	33.06	197	52 Peak	VERTICAL
4	5572.00	116.46			106.50	8.70	34.34	33.08	197	52 Peak	VERTICAL
5	5572.00	107.65			97.69	8.70	34.34	33.08	197	52 Average	VERTICAL
6	5737.60	62.03	68.20	-6.17	52.26	8.47	34.44	33.14	197	52 Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5707.80	109.25			99.44	8.51	34.43	33.13	197	23 Peak	HORIZONTAL
2	5708.60	100.46			90.65	8.51	34.43	33.13	197	23 Average	HORIZONTAL
3	5725.00	67.13	68.20	-1.07	57.35	8.47	34.44	33.13	197	23 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	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 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	5275.60	104.22			95.08	8.26	33.94	33.06	170	174	Average	VERTICAL
2	5278.00	113.97			104.82	8.25	33.96	33.06	170	174	Peak	VERTICAL
3	5356.00	62.46	74.00	-11.54	53.25	8.19	34.08	33.06	170	174	Peak	VERTICAL
4	5366.40	49.90	54.00	-4.10	40.69	8.19	34.08	33.06	170	174	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	5312.00	90.00			80.82	8.23	34.01	33.06	184	311	Average	VERTICAL
2	5318.00	107.50			98.32	8.23	34.01	33.06	184	311	Peak	VERTICAL
3	5350.00	52.82	54.00	-1.18	43.62	8.20	34.06	33.06	184	311	Average	VERTICAL
4	5350.80	66.58	74.00	-7.42	57.38	8.20	34.06	33.06	184	311	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	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	65.06	74.00	-8.94	55.53	8.36	34.23	33.06	199	306 Peak	HORIZONTAL
2	5460.00	52.10	54.00	-1.90	42.57	8.36	34.23	33.06	199	306 Average	HORIZONTAL
3	5462.40	67.08	68.20	-1.12	57.55	8.36	34.23	33.06	199	306 Peak	HORIZONTAL
4	5492.40	110.26			100.58	8.46	34.28	33.06	199	306 Peak	HORIZONTAL
5	5492.80	100.62			90.94	8.46	34.28	33.06	199	306 Average	HORIZONTAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5453.60	63.16	74.00	-10.84	53.63	8.36	34.23	33.06	220	45 Peak	VERTICAL
2	5455.60	51.88	54.00	-2.12	42.35	8.36	34.23	33.06	220	45 Average	VERTICAL
3	5468.40	65.72	68.20	-2.48	56.12	8.41	34.25	33.06	220	45 Peak	VERTICAL
4	5535.20	107.77			97.91	8.61	34.32	33.07	220	45 Average	VERTICAL
5	5536.80	117.37			107.51	8.61	34.32	33.07	220	45 Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5687.60	108.33			98.44	8.60	34.41	33.12	161	69 Peak	HORIZONTAL
2	5687.60	99.41			89.52	8.60	34.41	33.12	161	69 Average	HORIZONTAL
3	5750.00	66.73	68.20	-1.47	56.99	8.43	34.45	33.14	161	69 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	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 58

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5057.00	47.07	54.00	-6.93	38.72	7.80	33.60	33.05	201	15	Average	VERTICAL
2	5076.00	59.61	74.00	-14.39	51.18	7.86	33.62	33.05	201	15	Peak	VERTICAL
3	5285.00	104.73			95.58	8.25	33.96	33.06	201	15	Peak	VERTICAL
4	5286.00	93.89			84.74	8.25	33.96	33.06	201	15	Average	VERTICAL
5	5350.00	52.80	54.00	-1.20	43.60	8.20	34.06	33.06	201	15	Average	VERTICAL
6	5356.00	64.49	74.00	-9.51	55.28	8.19	34.08	33.06	201	15	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5445.00	52.64	54.00	-1.36	43.18	8.32	34.20	33.06	197	168	Average	VERTICAL
2	5449.00	66.19	74.00	-7.81	56.66	8.36	34.23	33.06	197	168	Peak	VERTICAL
3	5470.00	64.84	68.20	-3.36	55.24	8.41	34.25	33.06	197	168	Peak	VERTICAL
4	5541.00	100.02			90.16	8.61	34.32	33.07	197	168	Average	VERTICAL
5	5542.00	109.69			99.84	8.61	34.32	33.08	197	168	Peak	VERTICAL
6	5741.00	60.33	68.20	-7.87	50.59	8.43	34.45	33.14	197	168	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5451.00	63.25	74.00	-10.75	53.72	8.36	34.23	33.06	192	21	Peak	VERTICAL
2	5459.00	51.48	54.00	-2.52	41.95	8.36	34.23	33.06	192	21	Average	VERTICAL
3	5469.00	66.71	68.20	-1.49	57.11	8.41	34.25	33.06	192	21	Peak	VERTICAL
4	5598.00	108.55			98.49	8.80	34.36	33.10	192	21	Peak	VERTICAL
5	5600.00	99.45			89.39	8.80	34.36	33.10	192	21	Average	VERTICAL
6	5739.00	65.85	68.20	-2.35	56.11	8.43	34.45	33.14	192	21	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 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5719.40	114.13			104.32	8.51	34.43	33.13	192	45 Peak	VERTICAL
2	5719.40	105.75			95.94	8.51	34.43	33.13	192	45 Average	VERTICAL
3	5859.20	61.64	68.20	-6.56	51.65	8.64	34.52	33.17	192	45 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	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 142

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.40	101.56			91.71	8.56	34.42	33.13	244	17	Average	VERTICAL
2	5702.00	111.01			101.16	8.56	34.42	33.13	244	17	Peak	VERTICAL
3	5868.40	63.13	68.20	-5.07	53.15	8.64	34.52	33.18	244	17	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	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.00	108.70			98.85	8.56	34.42	33.13	173	160	Peak	VERTICAL
2	5692.00	99.81			89.96	8.56	34.42	33.13	173	160	Average	VERTICAL
3	5874.00	62.06	68.20	-6.14	51.99	8.72	34.53	33.18	173	160	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 22, 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	5251.83	105.97			96.85	8.27	33.91	33.06	200	322	Average	VERTICAL
2	5253.27	115.52			106.40	8.27	33.91	33.06	200	322	Peak	VERTICAL
3	5350.39	47.72	54.00	-6.28	38.52	8.20	34.06	33.06	200	322	Average	VERTICAL
4	5351.92	59.56	74.00	-14.44	50.36	8.20	34.06	33.06	200	322	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	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	104.78			95.63	8.25	33.96	33.06	174	217	Average	HORIZONTAL
2	5292.40	113.68			104.53	8.25	33.96	33.06	174	217	Peak	HORIZONTAL
3	5358.00	63.37	74.00	-10.63	54.16	8.19	34.08	33.06	174	217	Peak	HORIZONTAL
4	5372.00	50.59	54.00	-3.41	41.36	8.18	34.11	33.06	174	217	Average	HORIZONTAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5327.60	114.66			105.47	8.22	34.03	33.06	174	73	Peak	HORIZONTAL
2	5328.00	105.50			96.31	8.22	34.03	33.06	174	73	Average	HORIZONTAL
3	5350.60	52.99	54.00	-1.01	43.79	8.20	34.06	33.06	174	73	Average	HORIZONTAL
4	5353.40	66.78	74.00	-7.22	57.58	8.20	34.06	33.06	174	73	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	Dec. 22, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5456.60	63.59	74.00	-10.41	54.06	8.36	34.23	33.06	177	226 Peak	HORIZONTAL
2	5458.60	51.03	54.00	-2.97	41.50	8.36	34.23	33.06	177	226 Average	HORIZONTAL
3	5469.60	67.18	74.00	-6.82	57.58	8.41	34.25	33.06	177	226 Peak	HORIZONTAL
4	5469.80	52.77	54.00	-1.23	43.17	8.41	34.25	33.06	177	226 Average	HORIZONTAL
5	5491.80	114.68			105.00	8.46	34.28	33.06	177	226 Peak	HORIZONTAL
6	5494.00	103.88			94.20	8.46	34.28	33.06	177	226 Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5437.20	61.42	74.00	-12.58	51.96	8.32	34.20	33.06	171	149 Peak	HORIZONTAL
2	5455.80	49.69	54.00	-4.31	40.16	8.36	34.23	33.06	171	149 Average	HORIZONTAL
3	5470.00	61.57	74.00	-12.43	51.97	8.41	34.25	33.06	171	149 Peak	HORIZONTAL
4	5470.00	49.96	54.00	-4.04	40.36	8.41	34.25	33.06	171	149 Average	HORIZONTAL
5	5587.80	117.88			107.87	8.75	34.35	33.09	171	149 Peak	HORIZONTAL
6	5588.40	109.01			99.00	8.75	34.35	33.09	171	149 Average	HORIZONTAL
7	5725.00	49.32	54.00	-4.68	39.54	8.47	34.44	33.13	171	149 Average	HORIZONTAL
8	5726.40	62.18	74.00	-11.82	52.41	8.47	34.44	33.14	171	149 Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5692.20	102.27			92.42	8.56	34.42	33.13	176	277 Average	HORIZONTAL
2	5694.00	111.93			102.08	8.56	34.42	33.13	176	277 Peak	HORIZONTAL
3	5725.00	71.56	74.00	-2.44	61.78	8.47	34.44	33.13	176	277 Peak	HORIZONTAL
4	5725.00	52.77	54.00	-1.23	42.99	8.47	34.44	33.13	176	277 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	Dec. 22, 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	5252.40	104.96			95.84	8.27	33.91	33.06	203	318	Average	VERTICAL
2	5255.60	114.70			105.58	8.27	33.91	33.06	203	318	Peak	VERTICAL
3	5350.00	52.43	54.00	-1.57	43.23	8.20	34.06	33.06	203	318	Average	VERTICAL
4	5350.40	68.66	74.00	-5.34	59.46	8.20	34.06	33.06	203	318	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	5327.20	107.33			98.14	8.22	34.03	33.06	175	205	Peak	HORIZONTAL
2	5327.60	98.66			89.47	8.22	34.03	33.06	175	205	Average	HORIZONTAL
3	5350.00	52.94	54.00	-1.06	43.74	8.20	34.06	33.06	175	205	Average	HORIZONTAL
4	5361.60	65.11	74.00	-8.89	55.90	8.19	34.08	33.06	175	205	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 + Chain 4
Test Date	Dec. 22, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5454.40	62.58	74.00	-11.42	53.05	8.36	34.23	33.06	173	269 Peak	HORIZONTAL
2	5458.00	50.46	54.00	-3.54	40.93	8.36	34.23	33.06	173	269 Average	HORIZONTAL
3	5463.20	68.43	74.00	-5.57	58.90	8.36	34.23	33.06	173	269 Peak	HORIZONTAL
4	5470.00	52.85	54.00	-1.15	43.25	8.41	34.25	33.06	173	269 Average	HORIZONTAL
5	5516.80	111.21			101.41	8.56	34.31	33.07	173	269 Peak	HORIZONTAL
6	5516.80	99.87			90.07	8.56	34.31	33.07	173	269 Average	HORIZONTAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5459.20	63.92	74.00	-10.08	54.39	8.36	34.23	33.06	199	49 Peak	VERTICAL
2	5460.00	51.71	54.00	-2.29	42.18	8.36	34.23	33.06	199	49 Average	VERTICAL
3	5460.80	51.83	54.00	-2.17	42.30	8.36	34.23	33.06	199	49 Average	VERTICAL
4	5468.80	64.33	74.00	-9.67	54.73	8.41	34.25	33.06	199	49 Peak	VERTICAL
5	5539.20	117.24			107.38	8.61	34.32	33.07	199	49 Peak	VERTICAL
6	5543.60	105.86			95.96	8.65	34.33	33.08	199	49 Average	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5684.80	99.77			89.88	8.60	34.41	33.12	174	319 Average	HORIZONTAL
2	5686.80	109.10			99.21	8.60	34.41	33.12	174	319 Peak	HORIZONTAL
3	5732.00	52.98	54.00	-1.02	43.21	8.47	34.44	33.14	174	319 Average	HORIZONTAL
4	5734.80	67.62	74.00	-6.38	57.85	8.47	34.44	33.14	174	319 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	Dec. 22, 2015 ~ Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 58

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5059.00	48.07	54.00	-5.93	39.72	7.80	33.60	33.05	198	50	Average	VERTICAL
2	5106.00	61.30	74.00	-12.70	52.71	7.97	33.67	33.05	198	50	Peak	VERTICAL
3	5259.00	106.58			97.46	8.27	33.91	33.06	198	50	Peak	VERTICAL
4	5303.00	95.09			85.93	8.24	33.98	33.06	198	50	Average	VERTICAL
5	5351.00	52.67	54.00	-1.33	43.47	8.20	34.06	33.06	198	50	Average	VERTICAL
6	5353.00	65.49	74.00	-8.51	56.29	8.20	34.06	33.06	198	50	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5438.00	67.30	74.00	-6.70	57.84	8.32	34.20	33.06	200	53	Peak	VERTICAL
2	5457.00	52.91	54.00	-1.09	43.38	8.36	34.23	33.06	200	53	Average	VERTICAL
3	5462.00	65.03	74.00	-8.97	55.50	8.36	34.23	33.06	200	53	Peak	VERTICAL
4	5462.00	52.93	54.00	-1.07	43.40	8.36	34.23	33.06	200	53	Average	VERTICAL
5	5508.00	111.90			102.16	8.51	34.30	33.07	200	53	Peak	VERTICAL
6	5543.00	99.56			89.71	8.61	34.32	33.08	200	53	Average	VERTICAL
7	5728.00	62.02	74.00	-11.98	52.25	8.47	34.44	33.14	200	53	Peak	VERTICAL
8	5728.00	49.67	54.00	-4.33	39.90	8.47	34.44	33.14	200	53	Average	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.00	64.71	74.00	-9.29	55.18	8.36	34.23	33.06	198	48	Peak	VERTICAL
2	5460.00	52.49	54.00	-1.51	42.96	8.36	34.23	33.06	198	48	Average	VERTICAL
3	5462.00	67.04	74.00	-6.96	57.51	8.36	34.23	33.06	198	48	Peak	VERTICAL
4	5463.00	52.71	54.00	-1.29	43.18	8.36	34.23	33.06	198	48	Average	VERTICAL
5	5581.00	113.89			103.88	8.75	34.35	33.09	198	48	Peak	VERTICAL
6	5583.00	101.19			91.18	8.75	34.35	33.09	198	48	Average	VERTICAL
7	5726.00	52.15	54.00	-1.85	42.37	8.47	34.44	33.13	198	48	Average	VERTICAL
8	5727.00	64.21	74.00	-9.79	54.44	8.47	34.44	33.14	198	48	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Straddle Channel

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	Dec. 22, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5726.60	113.11			103.34	8.47	34.44	33.14	172	320	Peak	HORIZONTAL
2	5727.80	102.99			93.22	8.47	34.44	33.14	172	320	Average	HORIZONTAL
3	5851.80	62.50	68.20	-5.70	52.60	8.56	34.51	33.17	172	320	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	Dec. 22, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5695.60	113.25			103.40	8.56	34.42	33.13	176	270 Peak	HORIZONTAL
2	5695.60	103.80			93.95	8.56	34.42	33.13	176	270 Average	HORIZONTAL
3	5857.20	63.56	68.20	-4.64	53.57	8.64	34.52	33.17	176	270 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	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5653.00	107.61			97.65	8.68	34.39	33.11	180	52	Peak	HORIZONTAL
2	5653.00	97.07			87.11	8.68	34.39	33.11	180	52	Average	HORIZONTAL
3	5854.00	65.12	68.20	-3.08	55.22	8.56	34.51	33.17	180	52	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5143.60	61.10	74.00	-12.90	52.26	8.15	33.74	33.05	221	341	Peak	VERTICAL
2	5146.60	49.22	54.00	-4.78	40.38	8.15	33.74	33.05	221	341	Average	VERTICAL
3	5267.20	117.85			108.71	8.26	33.94	33.06	221	341	Peak	VERTICAL
4	5267.20	108.65			99.51	8.26	33.94	33.06	221	341	Average	VERTICAL
5	5362.00	50.26	54.00	-3.74	41.05	8.19	34.08	33.06	221	341	Average	VERTICAL
6	5381.80	61.71	74.00	-12.29	52.48	8.18	34.11	33.06	221	341	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5308.00	118.86			109.68	8.23	34.01	33.06	211	338	Peak	VERTICAL
2	5308.00	110.29			101.11	8.23	34.01	33.06	211	338	Average	VERTICAL
3	5374.00	63.24	74.00	-10.76	54.01	8.18	34.11	33.06	211	338	Peak	VERTICAL
4	5386.80	51.45	54.00	-2.55	42.21	8.17	34.13	33.06	211	338	Average	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5313.00	117.46			108.28	8.23	34.01	33.06	219	350	Peak	VERTICAL
2	5313.00	106.53			97.35	8.23	34.01	33.06	219	350	Average	VERTICAL
3	5351.00	65.62	74.00	-8.38	56.42	8.20	34.06	33.06	219	350	Peak	VERTICAL
4	5351.40	52.73	54.00	-1.27	43.53	8.20	34.06	33.06	219	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 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.80	64.70	74.00	-9.30	55.17	8.36	34.23	33.06	210	360	Peak	VERTICAL
2	5459.60	51.19	54.00	-2.81	41.66	8.36	34.23	33.06	210	360	Average	VERTICAL
3	5460.80	67.15	68.20	-1.05	57.62	8.36	34.23	33.06	210	360	Peak	VERTICAL
4	5491.80	107.80			98.12	8.46	34.28	33.06	210	360	Average	VERTICAL
5	5492.00	116.33			106.65	8.46	34.28	33.06	210	360	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	5427.20	62.92	74.00	-11.08	53.53	8.27	34.18	33.06	225	13	Peak	VERTICAL
2	5427.20	52.65	54.00	-1.35	43.26	8.27	34.18	33.06	225	13	Average	VERTICAL
3	5462.00	62.47	68.20	-5.73	52.94	8.36	34.23	33.06	225	13	Peak	VERTICAL
4	5587.20	117.38			107.37	8.75	34.35	33.09	225	13	Peak	VERTICAL
5	5587.20	107.49			97.48	8.75	34.35	33.09	225	13	Average	VERTICAL
6	5735.20	62.98	68.20	-5.22	53.21	8.47	34.44	33.14	225	13	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	113.81			103.96	8.56	34.42	33.13	219	1	Peak	VERTICAL
2	5698.60	103.36			93.51	8.56	34.42	33.13	219	1	Average	VERTICAL
3	5734.20	67.11	68.20	-1.09	57.34	8.47	34.44	33.14	219	1	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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor			
						dB	dB/m	dB	cm	deg	
1	5284.00	115.88			106.73	8.25	33.96	33.06	221	310 Peak	VERTICAL
2	5284.80	105.46			96.31	8.25	33.96	33.06	221	310 Average	VERTICAL
3	5350.80	50.36	54.00	-3.64	41.16	8.20	34.06	33.06	221	310 Average	VERTICAL
4	5351.60	62.19	74.00	-11.81	52.99	8.20	34.06	33.06	221	310 Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor			
						dB	dB/m	dB	cm	deg	
1	5297.60	100.98			91.82	8.24	33.98	33.06	224	353 Average	VERTICAL
2	5299.20	112.05			102.89	8.24	33.98	33.06	224	353 Peak	VERTICAL
3	5350.00	52.84	54.00	-1.16	43.64	8.20	34.06	33.06	224	353 Average	VERTICAL
4	5357.20	66.91	74.00	-7.09	57.70	8.19	34.08	33.06	224	353 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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp 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	52.31	54.00	-1.69	42.78	8.36	34.23	33.06	252	354	Average	VERTICAL
2	5458.40	66.39	74.00	-7.61	56.86	8.36	34.23	33.06	252	354	Peak	VERTICAL
3	5462.80	67.17	68.20	-1.03	57.64	8.36	34.23	33.06	252	354	Peak	VERTICAL
4	5496.00	112.81			103.06	8.51	34.30	33.06	252	354	Peak	VERTICAL
5	5521.60	101.76			91.96	8.56	34.31	33.07	252	354	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5451.60	63.83	74.00	-10.17	54.30	8.36	34.23	33.06	247	344	Peak	VERTICAL
2	5452.00	51.67	54.00	-2.33	42.14	8.36	34.23	33.06	247	344	Average	VERTICAL
3	5465.20	65.82	68.20	-2.38	56.22	8.41	34.25	33.06	247	344	Peak	VERTICAL
4	5532.40	118.62			108.76	8.61	34.32	33.07	247	344	Peak	VERTICAL
5	5532.40	110.00			100.14	8.61	34.32	33.07	247	344	Average	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor				
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5677.60	102.06			92.17	8.60	34.41	33.12	248	341	Average	VERTICAL
2	5680.00	112.28			102.39	8.60	34.41	33.12	248	341	Peak	VERTICAL
3	5728.80	66.91	68.20	-1.29	57.14	8.47	34.44	33.14	248	341	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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 58

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5071.00	59.99	74.00	-14.01	51.56	7.86	33.62	33.05	257	348	Peak	VERTICAL
2	5112.00	47.59	54.00	-6.41	39.00	7.97	33.67	33.05	257	348	Average	VERTICAL
3	5266.00	106.63			97.49	8.26	33.94	33.06	257	348	Peak	VERTICAL
4	5267.00	95.97			86.83	8.26	33.94	33.06	257	348	Average	VERTICAL
5	5350.00	52.84	54.00	-1.16	43.64	8.20	34.06	33.06	257	348	Average	VERTICAL
6	5356.00	65.06	74.00	-8.94	55.85	8.19	34.08	33.06	257	348	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	65.20	74.00	-8.80	55.67	8.36	34.23	33.06	229	353	Peak	VERTICAL
2	5460.00	52.85	54.00	-1.15	43.32	8.36	34.23	33.06	229	353	Average	VERTICAL
3	5467.00	66.28	68.20	-1.92	56.68	8.41	34.25	33.06	229	353	Peak	VERTICAL
4	5521.00	98.89			89.09	8.56	34.31	33.07	229	353	Average	VERTICAL
5	5522.00	113.51			103.71	8.56	34.31	33.07	229	353	Peak	VERTICAL
6	5769.00	61.71	68.20	-6.49	52.01	8.39	34.46	33.15	229	353	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.00	65.77	74.00	-8.23	56.24	8.36	34.23	33.06	217	17	Peak	VERTICAL
2	5459.00	51.94	54.00	-2.06	42.41	8.36	34.23	33.06	217	17	Average	VERTICAL
3	5466.00	65.49	68.20	-2.71	55.89	8.41	34.25	33.06	217	17	Peak	VERTICAL
4	5573.00	110.44			100.48	8.70	34.34	33.08	217	17	Peak	VERTICAL
5	5601.00	101.42			91.36	8.80	34.36	33.10	217	17	Average	VERTICAL
6	5738.00	67.00	68.20	-1.20	57.23	8.47	34.44	33.14	217	17	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 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5726.60	114.49			104.72	8.47	34.44	33.14	228	351	Peak	VERTICAL
2	5726.60	105.70			95.93	8.47	34.44	33.14	228	351	Average	VERTICAL
3	5862.80	62.62	68.20	-5.58	52.64	8.64	34.52	33.18	228	351	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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5702.80	110.55			100.70	8.56	34.42	33.13	246	5 Peak	VERTICAL
2	5702.80	101.87			92.02	8.56	34.42	33.13	246	5 Average	VERTICAL
3	5877.20	64.55	68.20	-3.65	54.48	8.72	34.53	33.18	246	5 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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5673.00	99.79			89.90	8.60	34.41	33.12	247	3	Average	VERTICAL
2	5684.00	113.35			103.46	8.60	34.41	33.12	247	3	Peak	VERTICAL
3	5862.00	65.42	68.20	-2.78	55.44	8.64	34.52	33.18	247	3	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 24, 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	5147.20	59.88	74.00	-14.12	51.04	8.15	33.74	33.05	257	63	Peak	VERTICAL
2	5150.00	47.47	54.00	-6.53	38.63	8.15	33.74	33.05	257	63	Average	VERTICAL
3	5252.20	105.80			96.68	8.27	33.91	33.06	257	63	Average	VERTICAL
4	5255.80	116.13			107.01	8.27	33.91	33.06	257	63	Peak	VERTICAL
5	5353.60	62.25	74.00	-11.75	53.05	8.20	34.06	33.06	257	63	Peak	VERTICAL
6	5359.60	48.96	54.00	-5.04	39.75	8.19	34.08	33.06	257	63	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	5300.00	116.74			107.58	8.24	33.98	33.06	255	54	Peak	VERTICAL
2	5302.00	106.51			97.35	8.24	33.98	33.06	255	54	Average	VERTICAL
3	5360.00	62.98	74.00	-11.02	53.77	8.19	34.08	33.06	255	54	Peak	VERTICAL
4	5381.20	50.27	54.00	-3.73	41.04	8.18	34.11	33.06	255	54	Average	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.00	106.20			97.02	8.23	34.01	33.06	254	44	Average	VERTICAL
2	5313.80	115.90			106.72	8.23	34.01	33.06	254	44	Peak	VERTICAL
3	5351.40	52.81	54.00	-1.19	43.61	8.20	34.06	33.06	254	44	Average	VERTICAL
4	5354.60	69.97	74.00	-4.03	60.76	8.19	34.08	33.06	254	44	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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5451.80	65.18	74.00	-8.82	55.65	8.36	34.23	33.06	219	32 Peak	VERTICAL
2	5459.60	52.92	54.00	-1.08	43.39	8.36	34.23	33.06	219	32 Average	VERTICAL
3	5464.60	66.89	68.20	-1.31	57.29	8.41	34.25	33.06	219	32 Peak	VERTICAL
4	5497.60	118.61			108.86	8.51	34.30	33.06	219	32 Peak	VERTICAL
5	5508.20	108.29			98.55	8.51	34.30	33.07	219	32 Average	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5454.00	62.29	74.00	-11.71	52.76	8.36	34.23	33.06	205	345 Peak	VERTICAL
2	5460.00	50.72	54.00	-3.28	41.19	8.36	34.23	33.06	205	345 Average	VERTICAL
3	5468.80	62.43	68.20	-5.77	52.83	8.41	34.25	33.06	205	345 Peak	VERTICAL
4	5574.60	110.90			100.94	8.70	34.34	33.08	205	345 Average	VERTICAL
5	5575.80	121.13			111.11	8.75	34.35	33.08	205	345 Peak	VERTICAL
6	5730.00	61.16	68.20	-7.04	51.39	8.47	34.44	33.14	205	345 Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5694.40	116.50			106.65	8.56	34.42	33.13	213	350 Peak	VERTICAL
2	5694.40	107.61			97.76	8.56	34.42	33.13	213	350 Average	VERTICAL
3	5727.20	66.62	68.20	-1.58	56.85	8.47	34.44	33.14	213	350 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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5264.40	115.99			106.85	8.26	33.94	33.06	189	317 Peak	VERTICAL
2	5264.80	105.72			96.58	8.26	33.94	33.06	189	317 Average	VERTICAL
3	5352.00	50.91	54.00	-3.09	41.71	8.20	34.06	33.06	189	317 Average	VERTICAL
4	5354.40	63.34	74.00	-10.66	54.13	8.19	34.08	33.06	189	317 Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5308.40	100.98			91.80	8.23	34.01	33.06	182	0 Average	VERTICAL
2	5311.60	111.63			102.45	8.23	34.01	33.06	182	0 Peak	VERTICAL
3	5352.00	68.16	74.00	-5.84	58.96	8.20	34.06	33.06	182	0 Peak	VERTICAL
4	5354.00	52.89	54.00	-1.11	43.69	8.20	34.06	33.06	182	0 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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5458.00	52.90	54.00	-1.10	43.37	8.36	34.23	33.06	239	347 Average	VERTICAL
2	5460.00	67.63	74.00	-6.37	58.10	8.36	34.23	33.06	239	347 Peak	VERTICAL
3	5464.80	67.16	68.20	-1.04	57.56	8.41	34.25	33.06	239	347 Peak	VERTICAL
4	5527.60	117.80			107.94	8.61	34.32	33.07	239	347 Peak	VERTICAL
5	5527.60	104.15			94.29	8.61	34.32	33.07	239	347 Average	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5452.80	52.76	54.00	-1.24	43.23	8.36	34.23	33.06	248	342 Average	VERTICAL
2	5457.20	63.22	74.00	-10.78	53.69	8.36	34.23	33.06	248	342 Peak	VERTICAL
3	5469.20	64.27	68.20	-3.93	54.67	8.41	34.25	33.06	248	342 Peak	VERTICAL
4	5532.40	119.07			109.21	8.61	34.32	33.07	248	342 Peak	VERTICAL
5	5533.60	109.60			99.74	8.61	34.32	33.07	248	342 Average	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5657.20	114.27			104.34	8.64	34.40	33.11	217	29 Peak	VERTICAL
2	5687.60	103.72			93.83	8.60	34.41	33.12	217	29 Average	VERTICAL
3	5725.00	66.93	68.20	-1.27	57.15	8.47	34.44	33.13	217	29 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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5058.00	60.14	74.00	-13.86	51.79	7.80	33.60	33.05	181	339 Peak	VERTICAL
2	5103.00	47.59	54.00	-6.41	39.00	7.97	33.67	33.05	181	339 Average	VERTICAL
3	5260.00	107.02			97.90	8.27	33.91	33.06	181	339 Peak	VERTICAL
4	5261.00	95.92			86.80	8.27	33.91	33.06	181	339 Average	VERTICAL
5	5354.00	65.72	74.00	-8.28	56.52	8.20	34.06	33.06	181	339 Peak	VERTICAL
6	5357.00	52.70	54.00	-1.30	43.49	8.19	34.08	33.06	181	339 Average	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5460.00	65.31	74.00	-8.69	55.78	8.36	34.23	33.06	189	11 Peak	VERTICAL
2	5460.00	52.76	54.00	-1.24	43.23	8.36	34.23	33.06	189	11 Average	VERTICAL
3	5465.00	66.17	68.20	-2.03	56.57	8.41	34.25	33.06	189	11 Peak	VERTICAL
4	5495.00	106.93			97.25	8.46	34.28	33.06	189	11 Peak	VERTICAL
5	5515.00	96.94			87.14	8.56	34.31	33.07	189	11 Average	VERTICAL
6	5770.00	60.14	68.20	-8.06	50.44	8.39	34.46	33.15	189	11 Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5453.00	66.20	74.00	-7.80	56.67	8.36	34.23	33.06	178	346 Peak	VERTICAL
2	5460.00	52.25	54.00	-1.75	42.72	8.36	34.23	33.06	178	346 Average	VERTICAL
3	5462.00	65.61	68.20	-2.59	56.08	8.36	34.23	33.06	178	346 Peak	VERTICAL
4	5593.00	116.74			106.67	8.80	34.36	33.09	178	346 Peak	VERTICAL
5	5619.00	102.24			92.21	8.76	34.37	33.10	178	346 Average	VERTICAL
6	5746.00	66.97	68.20	-1.23	57.23	8.43	34.45	33.14	178	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 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5717.00	108.11			98.30	8.51	34.43	33.13	240	4 Average	VERTICAL
2	5717.60	118.18			108.37	8.51	34.43	33.13	240	4 Peak	VERTICAL
3	5858.00	62.32	68.20	-5.88	52.33	8.64	34.52	33.17	240	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 + Chain 3
Test Date	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5694.00	114.69			104.84	8.56	34.42	33.13	218	319 Peak	VERTICAL
2	5727.60	105.51			95.74	8.47	34.44	33.14	218	319 Average	VERTICAL
3	5886.80	65.57	68.20	-2.63	55.50	8.72	34.53	33.18	218	319 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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5684.00	100.78			90.89	8.60	34.41	33.12	186	0	Average	VERTICAL
2	5686.00	109.94			100.05	8.60	34.41	33.12	186	0	Peak	VERTICAL
3	5851.00	66.74	68.20	-1.46	56.84	8.56	34.51	33.17	186	0	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5118.40	59.98	74.00	-14.02	51.31	8.03	33.69	33.05	270	49 Peak	VERTICAL
2	5148.40	47.79	54.00	-6.21	38.95	8.15	33.74	33.05	270	49 Average	VERTICAL
3	5251.60	107.73			98.61	8.27	33.91	33.06	270	49 Average	VERTICAL
4	5253.40	117.17			108.05	8.27	33.91	33.06	270	49 Peak	VERTICAL
5	5351.20	49.28	54.00	-4.72	40.08	8.20	34.06	33.06	270	49 Average	VERTICAL
6	5359.60	62.22	74.00	-11.78	53.01	8.19	34.08	33.06	270	49 Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5298.40	106.79			97.63	8.24	33.98	33.06	255	53 Average	VERTICAL
2	5300.80	115.81			106.65	8.24	33.98	33.06	255	53 Peak	VERTICAL
3	5350.80	62.75	74.00	-11.25	53.55	8.20	34.06	33.06	255	53 Peak	VERTICAL
4	5380.80	50.10	54.00	-3.90	40.87	8.18	34.11	33.06	255	53 Average	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5313.00	105.93			96.75	8.23	34.01	33.06	266	44 Average	VERTICAL
2	5313.20	117.03			107.85	8.23	34.01	33.06	266	44 Peak	VERTICAL
3	5350.00	52.88	54.00	-1.12	43.68	8.20	34.06	33.06	266	44 Average	VERTICAL
4	5353.40	66.68	74.00	-7.32	57.48	8.20	34.06	33.06	266	44 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	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5451.80	52.13	54.00	-1.87	42.60	8.36	34.23	33.06	289	314 Average	VERTICAL
2	5452.00	63.73	74.00	-10.27	54.20	8.36	34.23	33.06	289	314 Peak	VERTICAL
3	5469.40	52.56	54.00	-1.44	42.96	8.41	34.25	33.06	289	314 Average	VERTICAL
4	5470.00	67.68	74.00	-6.32	58.08	8.41	34.25	33.06	289	314 Peak	VERTICAL
5	5491.80	109.95			100.27	8.46	34.28	33.06	289	314 Average	VERTICAL
6	5492.40	119.85			110.17	8.46	34.28	33.06	289	314 Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5446.20	61.84	74.00	-12.16	52.38	8.32	34.20	33.06	267	42 Peak	VERTICAL
2	5458.80	49.64	54.00	-4.36	40.11	8.36	34.23	33.06	267	42 Average	VERTICAL
3	5467.80	64.61	74.00	-9.39	55.01	8.41	34.25	33.06	267	42 Peak	VERTICAL
4	5470.00	49.79	54.00	-4.21	40.19	8.41	34.25	33.06	267	42 Average	VERTICAL
5	5581.80	118.58			108.57	8.75	34.35	33.09	267	42 Peak	VERTICAL
6	5587.20	108.43			98.42	8.75	34.35	33.09	267	42 Average	VERTICAL
7	5725.00	60.55	74.00	-13.45	50.77	8.47	34.44	33.13	267	42 Peak	VERTICAL
8	5725.00	48.33	54.00	-5.67	38.55	8.47	34.44	33.13	267	42 Average	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5701.40	115.16			105.31	8.56	34.42	33.13	250	8 Peak	VERTICAL
2	5702.20	105.15			95.30	8.56	34.42	33.13	250	8 Average	VERTICAL
3	5725.00	52.98	54.00	-1.02	43.20	8.47	34.44	33.13	250	8 Average	VERTICAL
4	5726.40	68.57	74.00	-5.43	58.80	8.47	34.44	33.14	250	8 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	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5252.40	113.45			104.33	8.27	33.91	33.06	255	55 Peak	VERTICAL
2	5252.80	104.03			94.91	8.27	33.91	33.06	255	55 Average	VERTICAL
3	5350.80	49.98	54.00	-4.02	40.78	8.20	34.06	33.06	255	55 Average	VERTICAL
4	5354.40	63.31	74.00	-10.69	54.10	8.19	34.08	33.06	255	55 Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5294.40	99.29			90.13	8.24	33.98	33.06	258	16 Average	VERTICAL
2	5304.80	112.09			102.93	8.24	33.98	33.06	258	16 Peak	VERTICAL
3	5350.00	52.92	54.00	-1.08	43.72	8.20	34.06	33.06	258	16 Average	VERTICAL
4	5350.80	65.08	74.00	-8.92	55.88	8.20	34.06	33.06	258	16 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	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5450.00	63.38	74.00	-10.62	53.85	8.36	34.23	33.06	250	47 Peak	VERTICAL
2	5457.20	51.87	54.00	-2.13	42.34	8.36	34.23	33.06	250	47 Average	VERTICAL
3	5466.40	67.20	74.00	-6.80	57.60	8.41	34.25	33.06	250	47 Peak	VERTICAL
4	5470.00	52.80	54.00	-1.20	43.20	8.41	34.25	33.06	250	47 Average	VERTICAL
5	5504.00	114.26			104.51	8.51	34.30	33.06	250	47 Peak	VERTICAL
6	5513.20	102.24			92.44	8.56	34.31	33.07	250	47 Average	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5374.80	52.53	54.00	-1.47	43.30	8.18	34.11	33.06	265	352 Average	VERTICAL
2	5454.00	63.80	74.00	-10.20	54.27	8.36	34.23	33.06	265	352 Peak	VERTICAL
3	5470.00	67.04	74.00	-6.96	57.44	8.41	34.25	33.06	265	352 Peak	VERTICAL
4	5470.00	51.55	54.00	-2.45	41.95	8.41	34.25	33.06	265	352 Average	VERTICAL
5	5535.60	108.99			99.13	8.61	34.32	33.07	265	352 Average	VERTICAL
6	5536.40	119.20			109.34	8.61	34.32	33.07	265	352 Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5684.00	102.18			92.29	8.60	34.41	33.12	288	22 Average	VERTICAL
2	5684.40	112.68			102.79	8.60	34.41	33.12	288	22 Peak	VERTICAL
3	5725.00	52.57	54.00	-1.43	42.79	8.47	34.44	33.13	288	22 Average	VERTICAL
4	5725.60	67.00	74.00	-7.00	57.22	8.47	34.44	33.13	288	22 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	Dec. 23, 2015 ~ Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5102.00	48.01	54.00	-5.99	39.42	7.97	33.67	33.05	295	37 Average	VERTICAL
2	5116.00	60.02	74.00	-13.98	51.35	8.03	33.69	33.05	295	37 Peak	VERTICAL
3	5253.00	106.93			97.81	8.27	33.91	33.06	295	37 Peak	VERTICAL
4	5263.00	94.78			85.64	8.26	33.94	33.06	295	37 Average	VERTICAL
5	5350.00	52.79	54.00	-1.21	43.59	8.20	34.06	33.06	295	37 Average	VERTICAL
6	5360.00	64.74	74.00	-9.26	55.53	8.19	34.08	33.06	295	37 Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5457.00	52.67	54.00	-1.33	43.14	8.36	34.23	33.06	271	51 Average	VERTICAL
2	5460.00	63.84	74.00	-10.16	54.31	8.36	34.23	33.06	271	51 Peak	VERTICAL
3	5462.00	52.70	54.00	-1.30	43.17	8.36	34.23	33.06	271	51 Average	VERTICAL
4	5463.00	64.43	74.00	-9.57	54.90	8.36	34.23	33.06	271	51 Peak	VERTICAL
5	5505.00	98.65			88.90	8.51	34.30	33.06	271	51 Average	VERTICAL
6	5508.00	110.11			100.37	8.51	34.30	33.07	271	51 Peak	VERTICAL
7	5747.00	61.69	74.00	-12.31	51.95	8.43	34.45	33.14	271	51 Peak	VERTICAL
8	5754.00	49.03	54.00	-4.97	39.29	8.43	34.45	33.14	271	51 Average	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5456.00	62.76	74.00	-11.24	53.23	8.36	34.23	33.06	280	39 Peak	VERTICAL
2	5460.00	51.23	54.00	-2.77	41.70	8.36	34.23	33.06	280	39 Average	VERTICAL
3	5463.00	51.55	54.00	-2.45	42.02	8.36	34.23	33.06	280	39 Average	VERTICAL
4	5465.00	64.13	74.00	-9.87	54.53	8.41	34.25	33.06	280	39 Peak	VERTICAL
5	5578.00	102.23			92.21	8.75	34.35	33.08	280	39 Average	VERTICAL
6	5581.00	111.36			101.35	8.75	34.35	33.09	280	39 Peak	VERTICAL
7	5725.00	52.61	54.00	-1.39	42.83	8.47	34.44	33.13	280	39 Average	VERTICAL
8	5728.00	67.06	74.00	-6.94	57.29	8.47	34.44	33.14	280	39 Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Straddle Channel

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	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5714.00	114.71			104.90	8.51	34.43	33.13	253	46 Peak	VERTICAL
2	5717.00	104.17			94.36	8.51	34.43	33.13	253	46 Average	VERTICAL
3	5856.20	61.90	68.20	-6.30	51.91	8.64	34.52	33.17	253	46 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	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 142

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.20	100.09			90.24	8.56	34.42	33.13	249	23	Peak	HORIZONTAL
2	5694.40	90.60			80.75	8.56	34.42	33.13	249	23	Average	HORIZONTAL
3	5858.20	61.09	68.20	-7.11	51.10	8.64	34.52	33.17	249	23	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	Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5658.00	114.77			104.84	8.64	34.40	33.11	256	10	Peak	VERTICAL
2	5702.00	99.88			90.03	8.56	34.42	33.13	256	10	Average	VERTICAL
3	5863.00	67.17	68.20	-1.03	57.19	8.64	34.52	33.18	256	10	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5110.00	60.16	74.00	-13.84	51.57	7.97	33.67	33.05	218	354 Peak	HORIZONTAL
2	5113.60	48.73	54.00	-5.27	40.06	8.03	33.69	33.05	218	354 Average	HORIZONTAL
3	5254.60	114.20			105.08	8.27	33.91	33.06	218	354 Peak	HORIZONTAL
4	5256.00	103.93			94.81	8.27	33.91	33.06	218	354 Average	HORIZONTAL
5	5351.20	50.07	54.00	-3.93	40.87	8.20	34.06	33.06	218	354 Average	HORIZONTAL
6	5360.20	63.00	74.00	-11.00	53.79	8.19	34.08	33.06	218	354 Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5292.00	105.79			96.64	8.25	33.96	33.06	227	0 Average	HORIZONTAL
2	5293.60	114.94			105.78	8.24	33.98	33.06	227	0 Peak	HORIZONTAL
3	5358.80	51.14	54.00	-2.86	41.93	8.19	34.08	33.06	227	0 Average	HORIZONTAL
4	5361.60	62.95	74.00	-11.05	53.74	8.19	34.08	33.06	227	0 Peak	HORIZONTAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5312.00	112.02			102.84	8.23	34.01	33.06	237	11 Peak	HORIZONTAL
2	5312.80	102.83			93.65	8.23	34.01	33.06	237	11 Average	HORIZONTAL
3	5350.00	52.61	54.00	-1.39	43.41	8.20	34.06	33.06	237	11 Average	HORIZONTAL
4	5352.00	68.03	74.00	-5.97	58.83	8.20	34.06	33.06	237	11 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	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5452.00	63.09	74.00	-10.91	53.56	8.36	34.23	33.06	197	1 Peak	HORIZONTAL
2	5456.20	51.43	54.00	-2.57	41.90	8.36	34.23	33.06	197	1 Average	HORIZONTAL
3	5464.20	67.15	68.20	-1.05	57.55	8.41	34.25	33.06	197	1 Peak	HORIZONTAL
4	5506.20	104.78			95.04	8.51	34.30	33.07	197	1 Average	HORIZONTAL
5	5507.40	113.83			104.09	8.51	34.30	33.07	197	1 Peak	HORIZONTAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5413.60	61.90	74.00	-12.10	52.59	8.22	34.15	33.06	203	0 Peak	HORIZONTAL
2	5416.00	51.14	54.00	-2.86	41.83	8.22	34.15	33.06	203	0 Average	HORIZONTAL
3	5462.80	61.97	68.20	-6.23	52.44	8.36	34.23	33.06	203	0 Peak	HORIZONTAL
4	5572.80	114.46			104.50	8.70	34.34	33.08	203	0 Peak	HORIZONTAL
5	5573.60	105.20			95.24	8.70	34.34	33.08	203	0 Average	HORIZONTAL
6	5757.60	62.44	68.20	-5.76	52.73	8.39	34.46	33.14	203	0 Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5707.40	109.78			99.97	8.51	34.43	33.13	227	360 Peak	HORIZONTAL
2	5708.20	100.03			90.22	8.51	34.43	33.13	227	360 Average	HORIZONTAL
3	5725.40	67.04	68.20	-1.16	57.26	8.47	34.44	33.13	227	360 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	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m		Level	Loss	Factor					
					dB	dB	dB/m	dB	cm	deg		
1	5264.40	102.19			93.05	8.26	33.94	33.06	214	353	Average	HORIZONTAL
2	5266.40	111.62			102.48	8.26	33.94	33.06	214	353	Peak	HORIZONTAL
3	5350.40	63.04	74.00	-10.96	53.84	8.20	34.06	33.06	214	353	Peak	HORIZONTAL
4	5358.80	50.66	54.00	-3.34	41.45	8.19	34.08	33.06	214	353	Average	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	5319.20	106.77			97.59	8.23	34.01	33.06	208	343	Peak	VERTICAL
2	5323.20	96.44			87.26	8.23	34.01	33.06	208	343	Average	VERTICAL
3	5350.00	52.99	54.00	-1.01	43.79	8.20	34.06	33.06	208	343	Average	VERTICAL
4	5351.60	66.44	74.00	-7.56	57.24	8.20	34.06	33.06	208	343	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	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5459.60	64.94	74.00	-9.06	55.41	8.36	34.23	33.06	220	39 Peak	VERTICAL
2	5460.00	52.01	54.00	-1.99	42.48	8.36	34.23	33.06	220	39 Average	VERTICAL
3	5465.60	67.13	68.20	-1.07	57.53	8.41	34.25	33.06	220	39 Peak	VERTICAL
4	5492.40	100.71			91.03	8.46	34.28	33.06	220	39 Average	VERTICAL
5	5493.20	109.63			99.95	8.46	34.28	33.06	220	39 Peak	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5455.60	63.11	74.00	-10.89	53.58	8.36	34.23	33.06	232	346 Peak	HORIZONTAL
2	5460.00	51.33	54.00	-2.67	41.80	8.36	34.23	33.06	232	346 Average	HORIZONTAL
3	5468.00	64.04	68.20	-4.16	54.44	8.41	34.25	33.06	232	346 Peak	HORIZONTAL
4	5557.20	104.02			94.12	8.65	34.33	33.08	232	346 Average	HORIZONTAL
5	5557.60	113.36			103.46	8.65	34.33	33.08	232	346 Peak	HORIZONTAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5686.00	111.00			101.11	8.60	34.41	33.12	189	350 Peak	HORIZONTAL
2	5686.80	101.70			91.81	8.60	34.41	33.12	189	350 Average	HORIZONTAL
3	5747.60	66.76	68.20	-1.44	57.02	8.43	34.45	33.14	189	350 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
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5045.00	48.00	54.00	-6.00	39.74	7.74	33.57	33.05	177	334 Average	VERTICAL
2	5116.00	61.85	74.00	-12.15	53.18	8.03	33.69	33.05	177	334 Peak	VERTICAL
3	5262.00	91.66			82.54	8.27	33.91	33.06	177	334 Average	VERTICAL
4	5263.00	101.96			92.82	8.26	33.94	33.06	177	334 Peak	VERTICAL
5	5351.00	52.98	54.00	-1.02	43.78	8.20	34.06	33.06	177	334 Average	VERTICAL
6	5354.00	65.42	74.00	-8.58	56.22	8.20	34.06	33.06	177	334 Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5454.00	66.77	74.00	-7.23	57.24	8.36	34.23	33.06	202	351 Peak	HORIZONTAL
2	5458.00	52.96	54.00	-1.04	43.43	8.36	34.23	33.06	202	351 Average	HORIZONTAL
3	5462.00	66.72	68.20	-1.48	57.19	8.36	34.23	33.06	202	351 Peak	HORIZONTAL
4	5514.00	111.84			102.04	8.56	34.31	33.07	202	351 Peak	HORIZONTAL
5	5560.00	97.18			87.22	8.70	34.34	33.08	202	351 Average	HORIZONTAL
6	5749.00	62.33	68.20	-5.87	52.59	8.43	34.45	33.14	202	351 Peak	HORIZONTAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5456.00	63.14	74.00	-10.86	53.61	8.36	34.23	33.06	217	351 Peak	HORIZONTAL
2	5458.00	51.81	54.00	-2.19	42.28	8.36	34.23	33.06	217	351 Average	HORIZONTAL
3	5463.00	63.91	68.20	-4.29	54.38	8.36	34.23	33.06	217	351 Peak	HORIZONTAL
4	5573.00	100.53			90.57	8.70	34.34	33.08	217	351 Average	HORIZONTAL
5	5577.00	109.86			99.84	8.75	34.35	33.08	217	351 Peak	HORIZONTAL
6	5737.00	65.85	68.20	-2.35	56.08	8.47	34.44	33.14	217	351 Peak	HORIZONTAL

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 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5717.60	110.17			100.36	8.51	34.43	33.13	234	2	Peak	HORIZONTAL
2	5718.20	100.43			90.62	8.51	34.43	33.13	234	2	Average	HORIZONTAL
3	5861.00	63.10	68.20	-5.10	53.12	8.64	34.52	33.18	234	2	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	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.60	100.75			90.90	8.56	34.42	33.13	198	351	Average	HORIZONTAL
2	5696.40	109.89			100.04	8.56	34.42	33.13	198	351	Peak	HORIZONTAL
3	5854.00	63.30	68.20	-4.90	53.40	8.56	34.51	33.17	198	351	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
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5680.00	109.47			99.58	8.60	34.41	33.12	215	0	Peak	HORIZONTAL
2	5722.00	95.92			86.11	8.51	34.43	33.13	215	0	Average	HORIZONTAL
3	5852.00	64.09	68.20	-4.11	54.19	8.56	34.51	33.17	215	0	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5146.40	60.00	74.00	-14.00	51.16	8.15	33.74	33.05	250	2 Peak	HORIZONTAL
2	5150.00	48.34	54.00	-5.66	39.50	8.15	33.74	33.05	250	2 Average	HORIZONTAL
3	5263.00	114.65			105.51	8.26	33.94	33.06	250	2 Peak	HORIZONTAL
4	5267.20	103.73			94.59	8.26	33.94	33.06	250	2 Average	HORIZONTAL
5	5350.00	50.09	54.00	-3.91	40.89	8.20	34.06	33.06	250	2 Average	HORIZONTAL
6	5372.20	61.70	74.00	-12.30	52.47	8.18	34.11	33.06	250	2 Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5301.20	113.78			104.62	8.24	33.98	33.06	201	352 Peak	VERTICAL
2	5302.40	104.77			95.61	8.24	33.98	33.06	201	352 Average	VERTICAL
3	5350.00	50.48	54.00	-3.52	41.28	8.20	34.06	33.06	201	352 Average	VERTICAL
4	5372.80	63.12	74.00	-10.88	53.89	8.18	34.11	33.06	201	352 Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5318.60	113.45			104.27	8.23	34.01	33.06	235	27 Peak	HORIZONTAL
2	5322.80	103.26			94.08	8.23	34.01	33.06	235	27 Average	HORIZONTAL
3	5350.00	52.94	54.00	-1.06	43.74	8.20	34.06	33.06	235	27 Average	HORIZONTAL
4	5353.20	66.83	74.00	-7.17	57.63	8.20	34.06	33.06	235	27 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	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5459.20	63.50	74.00	-10.50	53.97	8.36	34.23	33.06	250	4 Peak	HORIZONTAL
2	5460.00	51.52	54.00	-2.48	41.99	8.36	34.23	33.06	250	4 Average	HORIZONTAL
3	5470.00	66.66	68.20	-1.54	57.06	8.41	34.25	33.06	250	4 Peak	HORIZONTAL
4	5496.40	101.75			92.00	8.51	34.30	33.06	250	4 Average	HORIZONTAL
5	5505.20	114.16			104.41	8.51	34.30	33.06	250	4 Peak	HORIZONTAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5411.20	62.52	74.00	-11.48	53.21	8.22	34.15	33.06	249	2 Peak	HORIZONTAL
2	5423.20	50.95	54.00	-3.05	41.56	8.27	34.18	33.06	249	2 Average	HORIZONTAL
3	5470.00	60.53	68.20	-7.67	50.93	8.41	34.25	33.06	249	2 Peak	HORIZONTAL
4	5583.20	103.02			93.01	8.75	34.35	33.09	249	2 Average	HORIZONTAL
5	5584.80	114.25			104.24	8.75	34.35	33.09	249	2 Peak	HORIZONTAL
6	5725.00	60.53	68.20	-7.67	50.75	8.47	34.44	33.13	249	2 Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5700.40	110.81			100.96	8.56	34.42	33.13	250	5 Peak	HORIZONTAL
2	5703.60	98.59			88.74	8.56	34.42	33.13	250	5 Average	HORIZONTAL
3	5725.00	67.12	68.20	-1.08	57.34	8.47	34.44	33.13	250	5 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	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor				
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5267.20	100.55			91.41	8.26	33.94	33.06	260	355	Average	HORIZONTAL
2	5282.40	111.21			102.06	8.25	33.96	33.06	260	355	Peak	HORIZONTAL
3	5351.60	61.98	74.00	-12.02	52.78	8.20	34.06	33.06	260	355	Peak	HORIZONTAL
4	5352.00	50.55	54.00	-3.45	41.35	8.20	34.06	33.06	260	355	Average	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	5323.20	98.93			89.75	8.23	34.01	33.06	212	345	Average	VERTICAL
2	5324.40	108.64			99.45	8.22	34.03	33.06	212	345	Peak	VERTICAL
3	5350.80	52.97	54.00	-1.03	43.77	8.20	34.06	33.06	212	345	Average	VERTICAL
4	5352.80	64.19	74.00	-9.81	54.99	8.20	34.06	33.06	212	345	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	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5456.80	52.60	54.00	-1.40	43.07	8.36	34.23	33.06	177	350 Average	HORIZONTAL
2	5457.60	63.74	74.00	-10.26	54.21	8.36	34.23	33.06	177	350 Peak	HORIZONTAL
3	5465.20	67.17	68.20	-1.03	57.57	8.41	34.25	33.06	177	350 Peak	HORIZONTAL
4	5517.20	103.77			93.97	8.56	34.31	33.07	177	350 Average	HORIZONTAL
5	5518.40	113.68			103.88	8.56	34.31	33.07	177	350 Peak	HORIZONTAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5456.00	52.12	54.00	-1.88	42.59	8.36	34.23	33.06	194	3 Average	VERTICAL
2	5459.60	64.86	74.00	-9.14	55.33	8.36	34.23	33.06	194	3 Peak	VERTICAL
3	5468.80	66.72	68.20	-1.48	57.12	8.41	34.25	33.06	194	3 Peak	VERTICAL
4	5538.00	106.16			96.30	8.61	34.32	33.07	194	3 Average	VERTICAL
5	5538.80	115.62			105.76	8.61	34.32	33.07	194	3 Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5687.20	100.96			91.07	8.60	34.41	33.12	182	348 Average	VERTICAL
2	5687.60	110.11			100.22	8.60	34.41	33.12	182	348 Peak	VERTICAL
3	5750.40	67.12	68.20	-1.08	57.38	8.43	34.45	33.14	182	348 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	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 58

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5042.00	47.73	54.00	-6.27	39.47	7.74	33.57	33.05	214	347	Average	VERTICAL
2	5140.00	60.82	74.00	-13.18	52.06	8.09	33.72	33.05	214	347	Peak	VERTICAL
3	5275.00	103.82			94.68	8.26	33.94	33.06	214	347	Peak	VERTICAL
4	5323.00	87.48			78.30	8.23	34.01	33.06	214	347	Average	VERTICAL
5	5351.00	64.24	74.00	-9.76	55.04	8.20	34.06	33.06	214	347	Peak	VERTICAL
6	5353.00	52.52	54.00	-1.48	43.32	8.20	34.06	33.06	214	347	Average	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	65.76	74.00	-8.24	56.23	8.36	34.23	33.06	157	357	Peak	VERTICAL
2	5458.00	52.11	54.00	-1.89	42.58	8.36	34.23	33.06	157	357	Average	VERTICAL
3	5469.00	67.18	68.20	-1.02	57.58	8.41	34.25	33.06	157	357	Peak	VERTICAL
4	5545.00	108.71			98.81	8.65	34.33	33.08	157	357	Peak	VERTICAL
5	5545.00	98.96			89.06	8.65	34.33	33.08	157	357	Average	VERTICAL
6	5744.00	63.33	68.20	-4.87	53.59	8.43	34.45	33.14	157	357	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	67.21	74.00	-6.79	57.68	8.36	34.23	33.06	197	345	Peak	HORIZONTAL
2	5459.00	52.83	54.00	-1.17	43.30	8.36	34.23	33.06	197	345	Average	HORIZONTAL
3	5468.00	66.41	68.20	-1.79	56.81	8.41	34.25	33.06	197	345	Peak	HORIZONTAL
4	5645.00	100.12			90.16	8.68	34.39	33.11	197	345	Average	HORIZONTAL
5	5647.00	110.51			100.55	8.68	34.39	33.11	197	345	Peak	HORIZONTAL
6	5728.00	67.17	68.20	-1.03	57.40	8.47	34.44	33.14	197	345	Peak	HORIZONTAL

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 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5716.80	99.76			89.95	8.51	34.43	33.13	250	2 Average	HORIZONTAL
2	5720.80	111.60			101.79	8.51	34.43	33.13	250	2 Peak	HORIZONTAL
3	5873.20	63.34	68.20	-4.86	53.27	8.72	34.53	33.18	250	2 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	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5726.00	110.46			100.68	8.47	34.44	33.13	231	342 Peak	VERTICAL
2	5727.60	101.06			91.29	8.47	34.44	33.14	231	342 Average	VERTICAL
3	5884.40	63.59	68.20	-4.61	53.52	8.72	34.53	33.18	231	342 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	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5676.00	110.15			100.26	8.60	34.41	33.12	191	355	Peak	HORIZONTAL
2	5685.00	99.38			89.49	8.60	34.41	33.12	191	355	Average	HORIZONTAL
3	5857.00	65.05	68.20	-3.15	55.06	8.64	34.52	33.17	191	355	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 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5135.20	60.05	74.00	-13.95	51.29	8.09	33.72	33.05	251	6 Peak	HORIZONTAL
2	5150.00	47.56	54.00	-6.44	38.72	8.15	33.74	33.05	251	6 Average	HORIZONTAL
3	5266.00	112.63			103.49	8.26	33.94	33.06	251	6 Peak	HORIZONTAL
4	5266.60	102.55			93.41	8.26	33.94	33.06	251	6 Average	HORIZONTAL
5	5369.20	49.19	54.00	-4.81	39.98	8.19	34.08	33.06	251	6 Average	HORIZONTAL
6	5376.40	62.16	74.00	-11.84	52.93	8.18	34.11	33.06	251	6 Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5302.80	103.34			94.18	8.24	33.98	33.06	203	348 Average	VERTICAL
2	5303.60	112.59			103.43	8.24	33.98	33.06	203	348 Peak	VERTICAL
3	5358.40	49.60	54.00	-4.40	40.39	8.19	34.08	33.06	203	348 Average	VERTICAL
4	5361.60	62.45	74.00	-11.55	53.24	8.19	34.08	33.06	203	348 Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5313.60	100.28			91.10	8.23	34.01	33.06	259	19 Average	HORIZONTAL
2	5314.40	110.19			101.01	8.23	34.01	33.06	259	19 Peak	HORIZONTAL
3	5350.00	52.44	54.00	-1.56	43.24	8.20	34.06	33.06	259	19 Average	HORIZONTAL
4	5353.40	67.81	74.00	-6.19	58.61	8.20	34.06	33.06	259	19 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	Dec. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5451.40	63.63	74.00	-10.37	54.10	8.36	34.23	33.06	218	341 Peak	VERTICAL
2	5451.80	51.52	54.00	-2.48	41.99	8.36	34.23	33.06	218	341 Average	VERTICAL
3	5468.20	66.43	68.20	-1.77	56.83	8.41	34.25	33.06	218	341 Peak	VERTICAL
4	5492.00	108.00			98.32	8.46	34.28	33.06	218	341 Average	VERTICAL
5	5492.60	117.88			108.20	8.46	34.28	33.06	218	341 Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5456.40	49.93	54.00	-4.07	40.40	8.36	34.23	33.06	252	343 Average	HORIZONTAL
2	5458.80	61.86	74.00	-12.14	52.33	8.36	34.23	33.06	252	343 Peak	HORIZONTAL
3	5466.60	62.44	68.20	-5.76	52.84	8.41	34.25	33.06	252	343 Peak	HORIZONTAL
4	5572.20	102.39			92.43	8.70	34.34	33.08	252	343 Average	HORIZONTAL
5	5581.20	115.18			105.17	8.75	34.35	33.09	252	343 Peak	HORIZONTAL
6	5725.00	60.58	68.20	-7.62	50.80	8.47	34.44	33.13	252	343 Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5692.20	99.28			89.43	8.56	34.42	33.13	250	344 Average	HORIZONTAL
2	5699.00	111.79			101.94	8.56	34.42	33.13	250	344 Peak	HORIZONTAL
3	5725.60	67.19	68.20	-1.01	57.41	8.47	34.44	33.13	250	344 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 + Chain 4
Test Date	Dec. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5263.20	100.38			91.24	8.26	33.94	33.06	264	356 Average	HORIZONTAL
2	5274.40	111.17			102.03	8.26	33.94	33.06	264	356 Peak	HORIZONTAL
3	5350.00	49.79	54.00	-4.21	40.59	8.20	34.06	33.06	264	356 Average	HORIZONTAL
4	5355.60	62.25	74.00	-11.75	53.04	8.19	34.08	33.06	264	356 Peak	HORIZONTAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5294.40	95.17			86.01	8.24	33.98	33.06	263	7 Average	HORIZONTAL
2	5296.80	105.17			96.01	8.24	33.98	33.06	263	7 Peak	HORIZONTAL
3	5351.20	52.59	54.00	-1.41	43.39	8.20	34.06	33.06	263	7 Average	HORIZONTAL
4	5353.60	66.22	74.00	-7.78	57.02	8.20	34.06	33.06	263	7 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 + Chain 4
Test Date	Dec. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.80	67.03	74.00	-6.97	57.50	8.36	34.23	33.06	235	352	Peak	HORIZONTAL
2	5460.00	51.52	54.00	-2.48	41.99	8.36	34.23	33.06	235	352	Average	HORIZONTAL
3	5462.80	70.55	74.00	-3.45	61.02	8.36	34.23	33.06	235	352	Peak	HORIZONTAL
4	5462.80	52.81	54.00	-1.19	43.28	8.36	34.23	33.06	235	352	Average	HORIZONTAL
5	5501.60	111.85			102.10	8.51	34.30	33.06	235	352	Peak	HORIZONTAL
6	5527.20	101.61			91.75	8.61	34.32	33.07	235	352	Average	HORIZONTAL

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

Channel 110

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor				
						dB	dB/m	dB	cm	deg		
1	5453.20	62.61	74.00	-11.39	53.08	8.36	34.23	33.06	251	351	Peak	HORIZONTAL
2	5456.80	50.88	54.00	-3.12	41.35	8.36	34.23	33.06	251	351	Average	HORIZONTAL
3	5465.60	51.13	54.00	-2.87	41.53	8.41	34.25	33.06	251	351	Average	HORIZONTAL
4	5469.60	63.29	74.00	-10.71	53.69	8.41	34.25	33.06	251	351	Peak	HORIZONTAL
5	5536.80	103.43			93.57	8.61	34.32	33.07	251	351	Average	HORIZONTAL
6	5542.40	115.28			105.43	8.61	34.32	33.08	251	351	Peak	HORIZONTAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5652.80	99.52			89.56	8.68	34.39	33.11	213	0	Average	VERTICAL
2	5656.80	108.97			99.04	8.64	34.40	33.11	213	0	Peak	VERTICAL
3	5725.60	52.57	54.00	-1.43	42.79	8.47	34.44	33.13	213	0	Average	VERTICAL
4	5727.20	66.79	74.00	-7.21	57.02	8.47	34.44	33.14	213	0	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	Dec. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5103.00	48.09	54.00	-5.91	39.50	7.97	33.67	33.05	204	324	Average	VERTICAL
2	5146.00	59.54	74.00	-14.46	50.70	8.15	33.74	33.05	204	324	Peak	VERTICAL
3	5263.00	94.42			85.28	8.26	33.94	33.06	204	324	Average	VERTICAL
4	5270.00	104.51			95.37	8.26	33.94	33.06	204	324	Peak	VERTICAL
5	5356.00	52.88	54.00	-1.12	43.67	8.19	34.08	33.06	204	324	Average	VERTICAL
6	5358.00	64.36	74.00	-9.64	55.15	8.19	34.08	33.06	204	324	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	5458.00	64.83	74.00	-9.17	55.30	8.36	34.23	33.06	210	340	Peak	VERTICAL
2	5460.00	52.72	54.00	-1.28	43.19	8.36	34.23	33.06	210	340	Average	VERTICAL
3	5466.00	64.44	68.20	-3.76	54.84	8.41	34.25	33.06	210	340	Peak	VERTICAL
4	5508.00	111.18			101.44	8.51	34.30	33.07	210	340	Peak	VERTICAL
5	5510.00	97.00			87.26	8.51	34.30	33.07	210	340	Average	VERTICAL
6	5736.00	61.33	68.20	-6.87	51.56	8.47	34.44	33.14	210	340	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	64.35	74.00	-9.65	54.82	8.36	34.23	33.06	272	345	Peak	HORIZONTAL
2	5460.00	51.66	54.00	-2.34	42.13	8.36	34.23	33.06	272	345	Average	HORIZONTAL
3	5468.00	64.84	68.20	-3.36	55.24	8.41	34.25	33.06	272	345	Peak	HORIZONTAL
4	5581.00	114.31			104.30	8.75	34.35	33.09	272	345	Peak	HORIZONTAL
5	5622.00	98.68			88.65	8.76	34.37	33.10	272	345	Average	HORIZONTAL
6	5727.00	67.12	68.20	-1.08	57.35	8.47	34.44	33.14	272	345	Peak	HORIZONTAL

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 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.40	111.80			102.02	8.47	34.44	33.13	251	348	Peak	HORIZONTAL
2	5727.20	101.62			91.85	8.47	34.44	33.14	251	348	Average	HORIZONTAL
3	5855.60	61.98	68.20	-6.22	52.08	8.56	34.51	33.17	251	348	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	Dec. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5727.40	110.81			101.04	8.47	34.44	33.14	302	332 Peak	HORIZONTAL
2	5728.00	100.81			91.04	8.47	34.44	33.14	302	332 Average	HORIZONTAL
3	5850.00	61.53	68.20	-6.67	51.63	8.56	34.51	33.17	302	332 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	Dec. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5703.00	104.44			94.59	8.56	34.42	33.13	204	0	Peak	VERTICAL
2	5706.00	94.96			85.15	8.51	34.43	33.13	204	0	Average	VERTICAL
3	5860.00	67.15	68.20	-1.05	57.17	8.64	34.52	33.18	204	0	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