

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

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	5457.08	69.23	74.00	-4.77	61.47	6.60	34.22	33.06	141	353	Peak	HORIZONTAL
2	5459.49	52.41	54.00	-1.59	44.65	6.60	34.22	33.06	141	353	Average	HORIZONTAL
3	5467.50	52.89	54.00	-1.11	45.10	6.60	34.25	33.06	141	353	Average	HORIZONTAL
4	5467.50	72.98	74.00	-1.02	65.19	6.60	34.25	33.06	141	353	Peak	HORIZONTAL
5	5505.96	109.85			101.97	6.65	34.30	33.07	141	353	Peak	HORIZONTAL
6	5532.40	98.37			90.45	6.68	34.32	33.08	141	353	Average	HORIZONTAL
7	5728.21	61.31	74.00	-12.69	53.18	6.83	34.43	33.13	141	353	Peak	HORIZONTAL
8	5744.74	47.89	54.00	-6.11	39.73	6.86	34.44	33.14	141	353	Average	HORIZONTAL

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	5454.55	52.19	54.00	-1.81	44.43	6.60	34.22	33.06	187	358	Average	HORIZONTAL
2	5459.36	67.96	74.00	-6.04	60.20	6.60	34.22	33.06	187	358	Peak	HORIZONTAL
3	5460.16	52.57	54.00	-1.43	44.81	6.60	34.22	33.06	187	358	Average	HORIZONTAL
4	5461.76	67.98	74.00	-6.02	60.22	6.60	34.22	33.06	187	358	Peak	HORIZONTAL
5	5574.74	101.53			93.57	6.70	34.34	33.08	187	358	Average	HORIZONTAL
6	5579.55	112.31			104.34	6.72	34.34	33.09	187	358	Peak	HORIZONTAL
7	5725.00	51.82	54.00	-2.18	43.69	6.83	34.43	33.13	187	358	Average	HORIZONTAL
8	5745.42	68.62	74.00	-5.38	60.46	6.86	34.44	33.14	187	358	Peak	HORIZONTAL

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

Channel 155

	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	5697.28	66.83	68.20	-1.37	58.73	6.81	34.41	33.12	174	359	Peak	HORIZONTAL
2	5718.59	66.64	78.20	-11.56	58.51	6.83	34.43	33.13	174	359	Peak	HORIZONTAL
3	5741.35	107.72			99.56	6.86	34.44	33.14	174	359	Peak	HORIZONTAL
4	5749.36	95.18			87.02	6.86	34.44	33.14	174	359	Average	HORIZONTAL
5	5850.00	67.27	78.20	-10.93	58.98	6.95	34.51	33.17	174	359	Peak	HORIZONTAL
6	5860.74	64.75	68.20	-3.45	56.44	6.97	34.52	33.18	174	359	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5722.40	113.05			104.92	6.83	34.43	33.13	154	353	Average	HORIZONTAL
2	5724.01	122.75			114.62	6.83	34.43	33.13	154	353	Peak	HORIZONTAL
3	5884.26	66.62	68.20	-1.58	58.29	6.99	34.53	33.19	154	353	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	Loss	Factor	Factor	cm	deg		
1	5692.37	111.15			103.05	6.81	34.41	33.12	188	332	Average	HORIZONTAL
2	5692.37	119.76			111.66	6.81	34.41	33.12	188	332	Peak	HORIZONTAL
3	5852.63	67.00	68.20	-1.20	58.71	6.95	34.51	33.17	188	332	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5691.60	106.96			98.86	6.81	34.41	33.12	149	329	Average	HORIZONTAL
2	5691.60	116.74			108.64	6.81	34.41	33.12	149	329	Peak	HORIZONTAL
3	5853.46	66.98	68.20	-1.22	58.69	6.95	34.51	33.17	149	329	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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 36

	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	5149.23	67.82	74.00	-6.18	60.92	6.21	33.74	33.05	175	5 Peak	VERTICAL
2	5149.71	52.66	54.00	-1.34	45.76	6.21	33.74	33.05	175	5 Average	VERTICAL
3	5173.27	103.35			96.39	6.24	33.77	33.05	175	5 Average	VERTICAL
4	5183.85	113.28			106.30	6.24	33.79	33.05	175	5 Peak	VERTICAL

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

Channel 40

	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	5116.83	52.74	54.00	-1.26	45.96	6.14	33.69	33.05	168	2 Average	VERTICAL
2	5145.19	69.14	74.00	-4.86	62.24	6.21	33.74	33.05	168	2 Peak	VERTICAL
3	5193.27	108.03			101.02	6.24	33.82	33.05	168	2 Average	VERTICAL
4	5195.19	117.33			110.29	6.27	33.82	33.05	168	2 Peak	VERTICAL

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

Channel 48

	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	5111.64	51.75	54.00	-2.25	44.97	6.14	33.69	33.05	111	353 Average	HORIZONTAL
2	5111.64	62.61	74.00	-11.39	55.83	6.14	33.69	33.05	111	353 Peak	HORIZONTAL
3	5231.83	107.72			100.60	6.30	33.87	33.05	111	353 Average	HORIZONTAL
4	5232.79	116.73			109.61	6.30	33.87	33.05	111	353 Peak	HORIZONTAL
5	5352.02	51.95	54.00	-2.05	44.48	6.47	34.06	33.06	111	353 Average	HORIZONTAL
6	5352.98	63.72	74.00	-10.28	56.25	6.47	34.06	33.06	111	353 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 27, 2015 ~ Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5147.02	52.95	54.00	-1.05	46.05	6.21	33.74	33.05	163	356 Average	VERTICAL
2	5147.98	64.19	74.00	-9.81	57.29	6.21	33.74	33.05	163	356 Peak	VERTICAL
3	5267.21	109.61			102.40	6.34	33.93	33.06	163	356 Average	VERTICAL
4	5267.21	119.76			112.55	6.34	33.93	33.06	163	356 Peak	VERTICAL
5	5386.92	52.75	54.00	-1.25	45.20	6.50	34.11	33.06	163	356 Average	VERTICAL
6	5387.40	63.55	74.00	-10.45	56.00	6.50	34.11	33.06	163	356 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	5294.71	107.75			100.46	6.37	33.98	33.06	176	355 Average	VERTICAL
2	5298.56	117.69			110.37	6.40	33.98	33.06	176	355 Peak	VERTICAL
3	5350.00	66.78	74.00	-7.22	59.31	6.47	34.06	33.06	176	355 Peak	VERTICAL
4	5373.56	52.89	54.00	-1.11	45.36	6.50	34.09	33.06	176	355 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	5319.04	104.93			97.58	6.40	34.01	33.06	109	345 Average	HORIZONTAL
2	5319.04	114.51			107.16	6.40	34.01	33.06	109	345 Peak	HORIZONTAL
3	5350.00	52.79	54.00	-1.21	45.32	6.47	34.06	33.06	109	345 Average	HORIZONTAL
4	5350.29	65.76	74.00	-8.24	58.29	6.47	34.06	33.06	109	345 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 100

	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	5378.85	50.01	54.00	-3.99	42.46	6.50	34.11	33.06	100	351	Average	HORIZONTAL
2	5416.35	61.46	74.00	-12.54	53.82	6.53	34.17	33.06	100	351	Peak	HORIZONTAL
3	5469.71	72.94	74.00	-1.06	65.15	6.60	34.25	33.06	100	351	Peak	HORIZONTAL
4	5470.00	52.88	54.00	-1.12	45.09	6.60	34.25	33.06	100	351	Average	HORIZONTAL
5	5498.56	115.02			107.15	6.63	34.30	33.06	100	351	Peak	HORIZONTAL
6	5499.04	105.65			97.78	6.63	34.30	33.06	100	351	Average	HORIZONTAL

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	Loss	Factor	Factor	cm	deg		
1	5121.67	52.98	54.00	-1.02	46.17	6.17	33.69	33.05	100	360	Average	HORIZONTAL
2	5121.67	62.67	74.00	-11.33	55.86	6.17	33.69	33.05	100	360	Peak	HORIZONTAL
3	5427.95	50.96	54.00	-3.04	43.29	6.56	34.17	33.06	100	360	Average	HORIZONTAL
4	5427.95	62.10	74.00	-11.90	54.43	6.56	34.17	33.06	100	360	Peak	HORIZONTAL
5	5468.40	50.13	54.00	-3.87	42.34	6.60	34.25	33.06	100	360	Average	HORIZONTAL
6	5468.40	61.70	74.00	-12.30	53.91	6.60	34.25	33.06	100	360	Peak	HORIZONTAL
7	5586.41	119.30			111.32	6.72	34.35	33.09	100	360	Peak	HORIZONTAL
8	5588.01	109.18			101.20	6.72	34.35	33.09	100	360	Average	HORIZONTAL
9	5820.39	62.42	74.00	-11.58	54.16	6.92	34.50	33.16	100	360	Peak	HORIZONTAL
10	5828.40	51.19	54.00	-2.81	42.93	6.92	34.50	33.16	100	360	Average	HORIZONTAL

Item 7, 8 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	Loss	Factor	Factor	cm	deg		
1	5706.25	106.52			98.40	6.83	34.42	33.13	167	12	Average	VERTICAL
2	5708.17	115.66			107.54	6.83	34.42	33.13	167	12	Peak	VERTICAL
3	5729.81	69.04	74.00	-4.96	60.91	6.83	34.43	33.13	167	12	Peak	VERTICAL
4	5787.98	52.85	54.00	-1.15	44.63	6.90	34.48	33.16	167	12	Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 149

	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	5711.35	66.51	68.20	-1.69	58.39	6.83	34.42	33.13	141	1	Peak	HORIZONTAL
2	5724.17	74.67	78.20	-3.53	66.54	6.83	34.43	33.13	141	1	Peak	HORIZONTAL
3	5736.99	113.14			104.98	6.86	34.44	33.14	141	1	Peak	HORIZONTAL
4	5737.31	103.81			95.65	6.86	34.44	33.14	141	1	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5709.68	66.79	68.20	-1.41	58.67	6.83	34.42	33.13	160	4	Peak	HORIZONTAL
2	5724.62	63.60	78.20	-14.60	55.47	6.83	34.43	33.13	160	4	Peak	HORIZONTAL
3	5788.21	108.37			100.15	6.90	34.48	33.16	160	4	Average	HORIZONTAL
4	5788.21	118.69			110.47	6.90	34.48	33.16	160	4	Peak	HORIZONTAL
5	5858.40	66.19	78.20	-12.01	57.88	6.97	34.52	33.18	160	4	Peak	HORIZONTAL
6	5871.54	67.12	68.20	-1.08	58.80	6.97	34.53	33.18	160	4	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5821.80	105.50			97.24	6.92	34.50	33.16	152	354	Average	HORIZONTAL
2	5821.80	114.62			106.36	6.92	34.50	33.16	152	354	Peak	HORIZONTAL
3	5852.24	74.71	78.20	-3.49	66.42	6.95	34.51	33.17	152	354	Peak	HORIZONTAL
4	5865.06	66.85	68.20	-1.35	58.54	6.97	34.52	33.18	152	354	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 38

	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	5147.05	72.62	74.00	-1.38	65.72	6.21	33.74	33.05	127	359 Peak	HORIZONTAL
2	5150.00	50.74	54.00	-3.26	43.84	6.21	33.74	33.05	127	359 Average	HORIZONTAL
3	5203.78	110.10			103.06	6.27	33.82	33.05	127	359 Peak	HORIZONTAL
4	5207.31	100.40			93.36	6.27	33.82	33.05	127	359 Average	HORIZONTAL

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

Channel 46

	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	5147.95	52.86	54.00	-1.14	45.96	6.21	33.74	33.05	222	359 Average	VERTICAL
2	5148.27	66.68	74.00	-7.32	59.78	6.21	33.74	33.05	222	359 Peak	VERTICAL
3	5215.58	103.99			96.92	6.27	33.85	33.05	222	359 Average	VERTICAL
4	5234.81	114.32			107.20	6.30	33.87	33.05	222	359 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

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	5264.87	105.09			97.88	6.34	33.93	33.06	165	5 Average	HORIZONTAL
2	5264.87	114.77			107.56	6.34	33.93	33.06	165	5 Peak	HORIZONTAL
3	5352.37	52.65	54.00	-1.35	45.18	6.47	34.06	33.06	165	5 Average	HORIZONTAL
4	5353.97	66.01	74.00	-7.99	58.54	6.47	34.06	33.06	165	5 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	Loss	Factor	Factor	cm	deg	
1	5312.24	101.97			94.62	6.40	34.01	33.06	186	358 Average	HORIZONTAL
2	5312.56	110.78			103.43	6.40	34.01	33.06	186	358 Peak	HORIZONTAL
3	5350.39	52.38	54.00	-1.62	44.91	6.47	34.06	33.06	186	358 Average	HORIZONTAL
4	5352.95	67.24	74.00	-6.76	59.77	6.47	34.06	33.06	186	358 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5460.00	49.75	54.00	-4.25	41.99	6.60	34.22	33.06	177	354 Average	VERTICAL
2	5460.00	63.49	74.00	-10.51	55.73	6.60	34.22	33.06	177	354 Peak	VERTICAL
3	5469.30	68.41	74.00	-5.59	60.62	6.60	34.25	33.06	177	354 Peak	VERTICAL
4	5469.62	52.98	54.00	-1.02	45.19	6.60	34.25	33.06	177	354 Average	VERTICAL
5	5523.14	100.64			92.75	6.65	34.31	33.07	177	354 Average	VERTICAL
6	5523.14	110.34			102.45	6.65	34.31	33.07	177	354 Peak	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	5453.53	64.78	74.00	-9.22	57.02	6.60	34.22	33.06	130	351 Peak	HORIZONTAL
2	5459.30	51.59	54.00	-2.41	43.83	6.60	34.22	33.06	130	351 Average	HORIZONTAL
3	5465.39	70.01	74.00	-3.99	62.22	6.60	34.25	33.06	130	351 Peak	HORIZONTAL
4	5468.27	52.70	54.00	-1.30	44.91	6.60	34.25	33.06	130	351 Average	HORIZONTAL
5	5544.55	113.50			105.58	6.68	34.32	33.08	130	351 Peak	HORIZONTAL
6	5553.53	103.53			95.58	6.70	34.33	33.08	130	351 Average	HORIZONTAL

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	5675.77	100.66			92.59	6.79	34.40	33.12	100	348 Average	HORIZONTAL
2	5675.77	111.02			102.95	6.79	34.40	33.12	100	348 Peak	HORIZONTAL
3	5725.00	52.90	54.00	-1.10	44.77	6.83	34.43	33.13	100	348 Average	HORIZONTAL
4	5725.45	69.21	74.00	-4.79	61.08	6.83	34.43	33.13	100	348 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 151

	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	5709.33	67.09	68.20	-1.11	58.97	6.83	34.42	33.13	198	5 Peak	HORIZONTAL
2	5722.15	69.44	78.20	-8.76	61.31	6.83	34.43	33.13	198	5 Peak	HORIZONTAL
3	5737.37	112.14			103.98	6.86	34.44	33.14	198	5 Peak	HORIZONTAL
4	5737.69	102.54			94.38	6.86	34.44	33.14	198	5 Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5690.51	61.99	68.20	-6.21	53.89	6.81	34.41	33.12	125	3 Peak	HORIZONTAL
2	5725.00	61.94	78.20	-16.26	53.81	6.83	34.43	33.13	125	3 Peak	HORIZONTAL
3	5809.10	104.63			96.38	6.92	34.49	33.16	125	3 Average	HORIZONTAL
4	5811.67	114.77			106.52	6.92	34.49	33.16	125	3 Peak	HORIZONTAL
5	5853.97	71.43	78.20	-6.77	63.13	6.95	34.52	33.17	125	3 Peak	HORIZONTAL
6	5861.03	66.95	68.20	-1.25	58.64	6.97	34.52	33.18	125	3 Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5795 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 42

	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	5147.50	67.55	74.00	-6.45	60.65	6.21	33.74	33.05	226	3 Peak	VERTICAL
2	5150.00	52.70	54.00	-1.30	45.80	6.21	33.74	33.05	226	3 Average	VERTICAL
3	5218.01	107.06			99.99	6.27	33.85	33.05	226	3 Peak	VERTICAL
4	5221.22	96.50			89.40	6.30	33.85	33.05	226	3 Average	VERTICAL
5	5350.00	47.39	54.00	-6.61	39.92	6.47	34.06	33.06	226	3 Average	VERTICAL
6	5354.23	58.99	74.00	-15.01	51.52	6.47	34.06	33.06	226	3 Peak	VERTICAL

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

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	5063.24	57.32	74.00	-16.68	50.68	6.08	33.61	33.05	212	341 Peak	HORIZONTAL
2	5150.00	46.95	54.00	-7.05	40.05	6.21	33.74	33.05	212	341 Average	HORIZONTAL
3	5312.44	99.27			91.92	6.40	34.01	33.06	212	341 Average	HORIZONTAL
4	5314.04	108.48			101.13	6.40	34.01	33.06	212	341 Peak	HORIZONTAL
5	5351.70	70.84	74.00	-3.16	63.37	6.47	34.06	33.06	212	341 Peak	HORIZONTAL
6	5357.31	52.61	54.00	-1.39	45.14	6.47	34.06	33.06	212	341 Average	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

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	5457.08	65.92	74.00	-8.08	58.16	6.60	34.22	33.06	252	354	Peak	VERTICAL
2	5457.89	51.88	54.00	-2.12	44.12	6.60	34.22	33.06	252	354	Average	VERTICAL
3	5470.00	52.85	54.00	-1.15	45.06	6.60	34.25	33.06	252	354	Average	VERTICAL
4	5470.00	68.36	74.00	-5.64	60.57	6.60	34.25	33.06	252	354	Peak	VERTICAL
5	5503.56	108.68			100.80	6.65	34.30	33.07	252	354	Peak	VERTICAL
6	5542.82	97.56			89.64	6.68	34.32	33.08	252	354	Average	VERTICAL
7	5741.54	59.16	74.00	-14.84	51.00	6.86	34.44	33.14	252	354	Peak	VERTICAL
8	5779.20	47.77	54.00	-6.23	39.57	6.88	34.47	33.15	252	354	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	5457.76	62.25	74.00	-11.75	54.49	6.60	34.22	33.06	148	358	Peak	HORIZONTAL
2	5459.36	50.54	54.00	-3.46	42.78	6.60	34.22	33.06	148	358	Average	HORIZONTAL
3	5464.01	63.43	68.20	-4.77	55.64	6.60	34.25	33.06	148	358	Peak	HORIZONTAL
4	5639.65	109.32			101.29	6.76	34.38	33.11	148	358	Peak	HORIZONTAL
5	5640.45	99.66			91.63	6.76	34.38	33.11	148	358	Average	HORIZONTAL
6	5739.81	66.76	68.20	-1.44	58.60	6.86	34.44	33.14	148	358	Peak	HORIZONTAL

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

Channel 155

	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	5678.85	67.17	68.20	-1.03	59.10	6.79	34.40	33.12	184	2	Peak	HORIZONTAL
2	5722.92	69.51	78.20	-8.69	61.38	6.83	34.43	33.13	184	2	Peak	HORIZONTAL
3	5737.34	98.34			90.18	6.86	34.44	33.14	184	2	Average	HORIZONTAL
4	5738.14	108.27			100.11	6.86	34.44	33.14	184	2	Peak	HORIZONTAL
5	5858.81	64.28	78.20	-13.92	55.97	6.97	34.52	33.18	184	2	Peak	HORIZONTAL
6	5876.76	65.61	68.20	-2.59	57.29	6.97	34.53	33.18	184	2	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5727.05	123.06			114.93	6.83	34.43	33.13	114		1 Peak	VERTICAL
2	5727.69	113.26			105.13	6.83	34.43	33.13	114		1 Average	VERTICAL
3	5884.74	66.88	68.20	-1.32	58.55	6.99	34.53	33.19	114		1 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	Loss	Factor	Factor	cm	deg		
1	5726.03	119.52			111.39	6.83	34.43	33.13	108		1 Peak	VERTICAL
2	5727.63	110.20			102.07	6.83	34.43	33.13	108		1 Average	VERTICAL
3	5853.43	67.14	68.20	-1.06	58.85	6.95	34.51	33.17	108		1 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5726.86	103.61			95.48	6.83	34.43	33.13	176	4	Average	HORIZONTAL
2	5726.86	112.69			104.56	6.83	34.43	33.13	176	4	Peak	HORIZONTAL
3	5855.06	66.77	68.20	-1.43	58.47	6.95	34.52	33.17	176	4	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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 36

	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	5148.80	72.16	74.00	-1.84	65.26	6.21	33.74	196	228	Peak	VERTICAL
2	5150.00	52.84	54.00	-1.16	45.94	6.21	33.74	196	228	Average	VERTICAL
3	5178.00	113.25			106.27	6.24	33.79	196	228	Peak	VERTICAL
4	5181.80	101.33			94.35	6.24	33.79	196	228	Average	VERTICAL

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

Channel 40

	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	5149.60	52.99	54.00	-1.01	46.09	6.21	33.74	222	231	Average	VERTICAL
2	5150.00	68.30	74.00	-5.70	61.40	6.21	33.74	222	231	Peak	VERTICAL
3	5198.80	105.48			98.44	6.27	33.82	222	231	Average	VERTICAL
4	5201.80	115.39			108.35	6.27	33.82	222	231	Peak	VERTICAL

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

Channel 48

	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	5112.20	49.45	54.00	-4.55	42.67	6.14	33.69	201	227	Average	VERTICAL
2	5118.80	62.33	74.00	-11.67	55.52	6.17	33.69	201	227	Peak	VERTICAL
3	5233.40	106.26			99.14	6.30	33.87	201	227	Average	VERTICAL
4	5234.00	116.62			109.50	6.30	33.87	201	227	Peak	VERTICAL
5	5354.00	63.06	74.00	-10.94	55.59	6.47	34.06	201	227	Peak	VERTICAL
6	5358.20	51.21	54.00	-2.79	43.74	6.47	34.06	201	227	Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5138.80	63.84	74.00	-10.16	57.01	6.17	33.71	33.05	194	307	Peak	VERTICAL
2	5140.00	50.91	54.00	-3.09	44.05	6.17	33.74	33.05	194	307	Average	VERTICAL
3	5258.80	107.44			100.23	6.34	33.93	33.06	194	307	Average	VERTICAL
4	5258.80	118.19			110.98	6.34	33.93	33.06	194	307	Peak	VERTICAL
5	5378.20	50.77	54.00	-3.23	43.22	6.50	34.11	33.06	194	307	Average	VERTICAL
6	5378.20	64.34	74.00	-9.66	56.79	6.50	34.11	33.06	194	307	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	5299.20	106.78			99.46	6.40	33.98	33.06	197	304	Average	VERTICAL
2	5301.60	117.17			109.85	6.40	33.98	33.06	197	304	Peak	VERTICAL
3	5350.00	52.87	54.00	-1.13	45.40	6.47	34.06	33.06	197	304	Average	VERTICAL
4	5354.40	66.41	74.00	-7.59	58.94	6.47	34.06	33.06	197	304	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	5318.60	102.45			95.10	6.40	34.01	33.06	203	229	Average	VERTICAL
2	5321.80	112.43			105.08	6.40	34.01	33.06	203	229	Peak	VERTICAL
3	5350.00	52.98	54.00	-1.02	45.51	6.47	34.06	33.06	203	229	Average	VERTICAL
4	5351.20	69.25	74.00	-4.75	61.78	6.47	34.06	33.06	203	229	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 100

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.80	64.07	74.00	-9.93	56.31	6.60	34.22	33.06	190	14	Peak	VERTICAL
2	5460.00	49.14	54.00	-4.86	41.38	6.60	34.22	33.06	190	14	Average	VERTICAL
3	5469.80	71.19	74.00	-2.81	63.40	6.60	34.25	33.06	190	14	Peak	VERTICAL
4	5470.00	52.79	54.00	-1.21	45.00	6.60	34.25	33.06	190	14	Average	VERTICAL
5	5492.60	112.71			104.87	6.63	34.27	33.06	190	14	Peak	VERTICAL
6	5498.20	102.31			94.44	6.63	34.30	33.06	190	14	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5428.00	50.67	54.00	-3.33	43.00	6.56	34.17	33.06	240	3	Average	VERTICAL
2	5428.00	62.70	74.00	-11.30	55.03	6.56	34.17	33.06	240	3	Peak	VERTICAL
3	5467.60	50.57	54.00	-3.43	42.78	6.60	34.25	33.06	240	3	Average	VERTICAL
4	5467.60	62.37	74.00	-11.63	54.58	6.60	34.25	33.06	240	3	Peak	VERTICAL
5	5588.00	107.87			99.89	6.72	34.35	33.09	240	3	Average	VERTICAL
6	5588.00	116.82			108.84	6.72	34.35	33.09	240	3	Peak	VERTICAL
7	5747.20	61.66	74.00	-12.34	53.50	6.86	34.44	33.14	240	3	Peak	VERTICAL
8	5748.80	48.89	54.00	-5.11	40.73	6.86	34.44	33.14	240	3	Average	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5691.60	102.85			94.75	6.81	34.41	33.12	145	321	Average	VERTICAL
2	5692.00	112.47			104.37	6.81	34.41	33.12	145	321	Peak	VERTICAL
3	5725.00	52.98	54.00	-1.02	44.85	6.83	34.43	33.13	145	321	Average	VERTICAL
4	5725.20	70.49	74.00	-3.51	62.36	6.83	34.43	33.13	145	321	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 06, 2015 ~ Aug. 11, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 149

	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	5713.60	69.12	74.00	-4.88	61.00	6.83	34.42	33.13	200	339	Peak	VERTICAL
2	5714.80	49.99	54.00	-4.01	41.87	6.83	34.42	33.13	200	339	Average	VERTICAL
3	5724.40	76.95	78.20	-1.25	68.82	6.83	34.43	33.13	200	339	Peak	VERTICAL
4	5743.00	110.55			102.39	6.86	34.44	33.14	200	339	Peak	VERTICAL
5	5743.40	99.86			91.70	6.86	34.44	33.14	200	339	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5711.20	51.79	54.00	-2.21	43.67	6.83	34.42	33.13	202	315	Average	VERTICAL
2	5713.60	64.50	74.00	-9.50	56.38	6.83	34.42	33.13	202	315	Peak	VERTICAL
3	5723.20	64.23	78.20	-13.97	56.10	6.83	34.43	33.13	202	315	Peak	VERTICAL
4	5782.60	105.26			97.05	6.90	34.47	33.16	202	315	Average	VERTICAL
5	5783.20	115.11			106.90	6.90	34.47	33.16	202	315	Peak	VERTICAL
6	5850.60	66.95	78.20	-11.25	58.66	6.95	34.51	33.17	202	315	Peak	VERTICAL
7	5860.00	67.84	74.00	-6.16	59.53	6.97	34.52	33.18	202	315	Peak	VERTICAL
8	5863.60	52.69	54.00	-1.31	44.38	6.97	34.52	33.18	202	315	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5817.00	111.99			103.74	6.92	34.49	33.16	200	108	Peak	VERTICAL
2	5817.80	102.63			94.38	6.92	34.49	33.16	200	108	Average	VERTICAL
3	5850.40	74.62	78.20	-3.58	66.33	6.95	34.51	33.17	200	108	Peak	VERTICAL
4	5860.00	52.36	54.00	-1.64	44.05	6.97	34.52	33.18	200	108	Average	VERTICAL
5	5862.00	72.73	74.00	-1.27	64.42	6.97	34.52	33.18	200	108	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 38

	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	5148.00	70.94	74.00	-3.06	64.04	6.21	33.74	33.05	216	230	Peak	VERTICAL
2	5149.60	52.92	54.00	-1.08	46.02	6.21	33.74	33.05	216	230	Average	VERTICAL
3	5194.00	97.36			90.35	6.24	33.82	33.05	216	230	Average	VERTICAL
4	5194.00	107.23			100.22	6.24	33.82	33.05	216	230	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.00	66.66	74.00	-7.34	59.76	6.21	33.74	33.05	198	228	Peak	VERTICAL
2	5148.80	52.59	54.00	-1.41	45.69	6.21	33.74	33.05	198	228	Average	VERTICAL
3	5226.00	102.95			95.83	6.30	33.87	33.05	198	228	Average	VERTICAL
4	5236.00	113.73			106.61	6.30	33.87	33.05	198	228	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 54

	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	5264.80	112.16			104.95	6.34	33.93	33.06	187	229	Peak	VERTICAL
2	5265.20	102.15			94.94	6.34	33.93	33.06	187	229	Average	VERTICAL
3	5354.40	52.80	54.00	-1.20	45.33	6.47	34.06	33.06	187	229	Average	VERTICAL
4	5358.80	64.99	74.00	-9.01	57.52	6.47	34.06	33.06	187	229	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	Loss	Factor	Factor	cm	deg		
1	5297.20	107.82			100.50	6.40	33.98	33.06	195	303	Peak	VERTICAL
2	5304.80	97.39			90.07	6.40	33.98	33.06	195	303	Average	VERTICAL
3	5350.00	52.66	54.00	-1.34	45.19	6.47	34.06	33.06	195	303	Average	VERTICAL
4	5350.80	68.68	74.00	-5.32	61.21	6.47	34.06	33.06	195	303	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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	5457.20	68.92	74.00	-5.08	61.16	6.60	34.22	33.06	201	18	Peak	VERTICAL
2	5460.00	50.34	54.00	-3.66	42.58	6.60	34.22	33.06	201	18	Average	VERTICAL
3	5466.80	72.66	74.00	-1.34	64.87	6.60	34.25	33.06	201	18	Peak	VERTICAL
4	5470.00	52.21	54.00	-1.79	44.42	6.60	34.25	33.06	201	18	Average	VERTICAL
5	5513.20	107.87			99.99	6.65	34.30	33.07	201	18	Peak	VERTICAL
6	5514.80	97.48			89.59	6.65	34.31	33.07	201	18	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	5460.00	51.85	54.00	-2.15	44.09	6.60	34.22	33.06	206	321	Average	VERTICAL
2	5460.00	64.68	74.00	-9.32	56.92	6.60	34.22	33.06	206	321	Peak	VERTICAL
3	5466.00	52.96	54.00	-1.04	45.17	6.60	34.25	33.06	206	321	Average	VERTICAL
4	5467.20	70.46	74.00	-3.54	62.67	6.60	34.25	33.06	206	321	Peak	VERTICAL
5	5545.60	112.85			104.93	6.68	34.32	33.08	206	321	Peak	VERTICAL
6	5546.00	102.37			94.45	6.68	34.32	33.08	206	321	Average	VERTICAL

Item 5, 6 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	5683.20	88.37			80.28	6.81	34.40	33.12	121	201	Average	HORIZONTAL
2	5683.60	98.78			90.68	6.81	34.41	33.12	121	201	Peak	HORIZONTAL
3	5725.00	61.23	74.00	-12.77	53.10	6.83	34.43	33.13	121	201	Peak	HORIZONTAL
4	5725.60	48.21	54.00	-5.79	40.08	6.83	34.43	33.13	121	201	Average	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.00	67.26	74.00	-6.74	59.14	6.83	34.42	33.13	198	325	Peak	VERTICAL
2	5713.40	52.78	54.00	-1.22	44.66	6.83	34.42	33.13	198	325	Average	VERTICAL
3	5719.00	71.68	78.20	-6.52	63.55	6.83	34.43	33.13	198	325	Peak	VERTICAL
4	5767.00	107.78			99.59	6.88	34.46	33.15	198	325	Peak	VERTICAL
5	5767.40	97.05			88.86	6.88	34.46	33.15	198	325	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5707.00	49.88	54.00	-4.12	41.76	6.83	34.42	33.13	196	322	Average	VERTICAL
2	5713.40	63.11	74.00	-10.89	54.99	6.83	34.42	33.13	196	322	Peak	VERTICAL
3	5720.20	63.56	78.20	-14.64	55.43	6.83	34.43	33.13	196	322	Peak	VERTICAL
4	5785.00	109.23			101.02	6.90	34.47	33.16	196	322	Peak	VERTICAL
5	5787.00	98.94			90.72	6.90	34.48	33.16	196	322	Average	VERTICAL
6	5853.40	71.33	78.20	-6.87	63.04	6.95	34.51	33.17	196	322	Peak	VERTICAL
7	5861.80	52.65	54.00	-1.35	44.34	6.97	34.52	33.18	196	322	Average	VERTICAL
8	5863.00	68.71	74.00	-5.29	60.40	6.97	34.52	33.18	196	322	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5795 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 42

	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	5138.00	52.54	54.00	-1.46	45.71	6.17	33.71	33.05	194	248 Average	VERTICAL
2	5147.00	68.71	74.00	-5.29	61.81	6.21	33.74	33.05	194	248 Peak	VERTICAL
3	5179.00	105.74			98.76	6.24	33.79	33.05	194	248 Peak	VERTICAL
4	5221.00	94.96			87.86	6.30	33.85	33.05	194	248 Average	VERTICAL
5	5351.00	60.25	74.00	-13.75	52.78	6.47	34.06	33.06	194	248 Peak	VERTICAL
6	5354.00	48.60	54.00	-5.40	41.13	6.47	34.06	33.06	194	248 Average	VERTICAL

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

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	5085.00	57.84	74.00	-16.16	51.15	6.11	33.63	33.05	195	327 Peak	VERTICAL
2	5132.00	47.20	54.00	-6.80	40.37	6.17	33.71	33.05	195	327 Average	VERTICAL
3	5300.00	94.09			86.77	6.40	33.98	33.06	195	327 Average	VERTICAL
4	5304.00	103.83			96.51	6.40	33.98	33.06	195	327 Peak	VERTICAL
5	5350.00	52.74	54.00	-1.26	45.27	6.47	34.06	33.06	195	327 Average	VERTICAL
6	5354.00	67.47	74.00	-6.53	60.00	6.47	34.06	33.06	195	327 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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	5454.00	52.16	54.00	-1.84	44.40	6.60	34.22	33.06	175	246	Average	VERTICAL
2	5454.00	67.70	74.00	-6.30	59.94	6.60	34.22	33.06	175	246	Peak	VERTICAL
3	5466.00	68.94	74.00	-5.06	61.15	6.60	34.25	33.06	175	246	Peak	VERTICAL
4	5470.00	52.55	54.00	-1.45	44.76	6.60	34.25	33.06	175	246	Average	VERTICAL
5	5517.00	95.45			87.56	6.65	34.31	33.07	175	246	Average	VERTICAL
6	5521.00	104.05			96.16	6.65	34.31	33.07	175	246	Peak	VERTICAL
7	5753.00	60.46	74.00	-13.54	52.28	6.86	34.46	33.14	175	246	Peak	VERTICAL
8	5772.00	48.75	54.00	-5.25	40.55	6.88	34.47	33.15	175	246	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	5458.00	65.68	74.00	-8.32	57.92	6.60	34.22	33.06	174	36	Peak	VERTICAL
2	5460.00	52.67	54.00	-1.33	44.91	6.60	34.22	33.06	174	36	Average	VERTICAL
3	5462.00	64.67	68.20	-3.53	56.91	6.60	34.22	33.06	174	36	Peak	VERTICAL
4	5584.00	107.58			99.60	6.72	34.35	33.09	174	36	Peak	VERTICAL
5	5585.00	99.53			91.55	6.72	34.35	33.09	174	36	Average	VERTICAL
6	5728.00	67.15	68.20	-1.05	59.02	6.83	34.43	33.13	174	36	Average	VERTICAL

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

Channel 155

	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	5712.00	67.76	74.00	-6.24	59.64	6.83	34.42	33.13	355	355	Peak	VERTICAL
2	5713.00	52.37	54.00	-1.63	44.25	6.83	34.42	33.13	203	355	Average	VERTICAL
3	5722.00	71.85	78.20	-6.35	63.72	6.83	34.43	33.13	203	355	Peak	VERTICAL
4	5801.00	92.94			84.72	6.90	34.48	33.16	203	355	Average	VERTICAL
5	5809.00	102.42			94.17	6.92	34.49	33.16	203	355	Peak	VERTICAL
6	5850.00	70.34	78.20	-7.86	62.05	6.95	34.51	33.17	203	355	Peak	VERTICAL
7	5863.00	67.32	74.00	-6.68	59.01	6.97	34.52	33.18	203	355	Peak	VERTICAL
8	5870.00	52.81	54.00	-1.19	44.50	6.97	34.52	33.18	203	355	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5775 MHz.

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	107.43			99.31	6.83	34.42	33.13	168	330	Average	VERTICAL
2	5714.00	117.75			109.63	6.83	34.42	33.13	168	330	Peak	VERTICAL
3	5851.40	63.04	68.20	-5.16	54.75	6.95	34.51	33.17	168	330	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5696.40	102.58			94.48	6.81	34.41	33.12	184	333	Average	VERTICAL
2	5702.80	112.62			104.51	6.81	34.42	33.12	184	333	Peak	VERTICAL
3	5878.80	65.11	68.20	-3.09	56.79	6.97	34.53	33.18	184	333	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5699.00	97.11			89.01	6.81	34.41	33.12	210	321	Average	VERTICAL
2	5704.00	106.44			98.33	6.81	34.42	33.12	210	321	Peak	VERTICAL
3	5854.00	66.83	68.20	-1.37	58.53	6.95	34.52	33.17	210	321	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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 36

	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	5148.00	70.36	74.00	-3.64	63.46	6.21	33.74	33.05	172	359	Peak	VERTICAL
2	5149.60	52.95	54.00	-1.05	46.05	6.21	33.74	33.05	172	359	Average	VERTICAL
3	5188.00	106.65			99.67	6.24	33.79	33.05	172	359	Average	VERTICAL
4	5188.00	115.73			108.75	6.24	33.79	33.05	172	359	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5150.00	52.96	54.00	-1.04	46.06	6.21	33.74	33.05	158	352	Average	VERTICAL
2	5150.00	68.86	74.00	-5.14	61.96	6.21	33.74	33.05	158	352	Peak	VERTICAL
3	5191.60	110.59			103.58	6.24	33.82	33.05	158	352	Average	VERTICAL
4	5193.40	120.43			113.42	6.24	33.82	33.05	158	352	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5112.20	50.51	54.00	-3.49	43.73	6.14	33.69	33.05	174	330	Average	VERTICAL
2	5112.80	61.08	74.00	-12.92	54.30	6.14	33.69	33.05	174	330	Peak	VERTICAL
3	5232.20	109.42			102.30	6.30	33.87	33.05	174	330	Average	VERTICAL
4	5233.40	118.37			111.25	6.30	33.87	33.05	174	330	Peak	VERTICAL
5	5352.20	52.64	54.00	-1.36	45.17	6.47	34.06	33.06	174	330	Average	VERTICAL
6	5353.40	63.53	74.00	-10.47	56.06	6.47	34.06	33.06	174	330	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.40	48.26	54.00	-5.74	41.40	6.17	33.74	33.05	160	353	Average	VERTICAL
2	5144.80	59.48	74.00	-14.52	52.58	6.21	33.74	33.05	160	353	Peak	VERTICAL
3	5260.60	119.41			112.20	6.34	33.93	33.06	160	353	Peak	VERTICAL
4	5261.20	109.19			101.98	6.34	33.93	33.06	160	353	Average	VERTICAL
5	5378.20	52.95	54.00	-1.05	45.40	6.50	34.11	33.06	160	353	Average	VERTICAL
6	5382.40	64.96	74.00	-9.04	57.41	6.50	34.11	33.06	160	353	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	5295.80	118.57			111.28	6.37	33.98	33.06	153	331	Peak	VERTICAL
2	5297.60	108.80			101.48	6.40	33.98	33.06	153	331	Average	VERTICAL
3	5351.60	64.18	74.00	-9.82	56.71	6.47	34.06	33.06	153	331	Peak	VERTICAL
4	5377.40	52.79	54.00	-1.21	45.26	6.50	34.09	33.06	153	331	Average	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.40	107.43			100.08	6.40	34.01	33.06	183	357	Average	VERTICAL
2	5312.80	116.60			109.25	6.40	34.01	33.06	183	357	Peak	VERTICAL
3	5351.60	52.68	54.00	-1.32	45.21	6.47	34.06	33.06	183	357	Average	VERTICAL
4	5352.40	67.45	74.00	-6.55	59.98	6.47	34.06	33.06	183	357	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 100

	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	5416.00	63.15	74.00	-10.85	55.51	6.53	34.17	33.06	149	349 Peak	VERTICAL
2	5420.00	50.82	54.00	-3.18	43.18	6.53	34.17	33.06	149	349 Average	VERTICAL
3	5468.00	67.02	68.20	-1.18	59.23	6.60	34.25	33.06	149	349 Peak	VERTICAL
4	5492.80	106.23			98.39	6.63	34.27	33.06	149	349 Average	VERTICAL
5	5495.20	115.94			108.10	6.63	34.27	33.06	149	349 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	Loss	Factor	Factor	cm	deg	
1	5416.00	67.79	74.00	-6.21	60.15	6.53	34.17	33.06	166	347 Peak	VERTICAL
2	5422.00	52.35	54.00	-1.65	44.71	6.53	34.17	33.06	166	347 Average	VERTICAL
3	5462.00	52.16	54.00	-1.84	44.40	6.60	34.22	33.06	166	347 Average	VERTICAL
4	5464.00	67.51	74.00	-6.49	59.72	6.60	34.25	33.06	166	347 Peak	VERTICAL
5	5582.00	110.24			102.26	6.72	34.35	33.09	166	347 Average	VERTICAL
6	5582.00	121.36			113.38	6.72	34.35	33.09	166	347 Peak	VERTICAL
7	5734.00	49.25	54.00	-4.75	41.10	6.86	34.43	33.14	166	347 Average	VERTICAL
8	5736.00	64.93	74.00	-9.07	56.77	6.86	34.44	33.14	166	347 Peak	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	Loss	Factor	Factor	cm	deg	
1	5696.00	113.70			105.60	6.81	34.41	33.12	171	342 Peak	VERTICAL
2	5697.60	103.67			95.57	6.81	34.41	33.12	171	342 Average	VERTICAL
3	5725.00	52.99	54.00	-1.01	44.86	6.83	34.43	33.13	171	342 Average	VERTICAL
4	5725.60	72.46	74.00	-1.54	64.33	6.83	34.43	33.13	171	342 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 149

	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	5657.80	50.45	54.00	-3.55	42.39	6.79	34.39	33.12	175	342 Average	VERTICAL
2	5712.20	68.85	74.00	-5.15	60.73	6.83	34.42	33.13	175	342 Peak	VERTICAL
3	5725.00	76.89	78.20	-1.31	68.76	6.83	34.43	33.13	175	342 Peak	VERTICAL
4	5743.40	101.53			93.37	6.86	34.44	33.14	175	342 Average	VERTICAL
5	5744.20	112.04			103.88	6.86	34.44	33.14	175	342 Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5709.00	66.99	68.20	-1.21	58.87	6.83	34.42	33.13	148	340 Peak	VERTICAL
2	5725.00	68.36	78.20	-9.84	60.23	6.83	34.43	33.13	148	340 Peak	VERTICAL
3	5789.00	108.46			100.24	6.90	34.48	33.16	148	340 Average	VERTICAL
4	5792.20	117.84			109.62	6.90	34.48	33.16	148	340 Peak	VERTICAL
5	5851.40	68.54	78.20	-9.66	60.25	6.95	34.51	33.17	148	340 Peak	VERTICAL
6	5870.60	65.95	68.20	-2.25	57.63	6.97	34.53	33.18	148	340 Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5821.80	114.30			106.04	6.92	34.50	33.16	166	338 Peak	VERTICAL
2	5822.60	104.15			95.89	6.92	34.50	33.16	166	338 Average	VERTICAL
3	5853.00	75.96	78.20	-2.24	67.67	6.95	34.51	33.17	166	338 Peak	VERTICAL
4	5860.00	52.82	54.00	-1.18	44.51	6.97	34.52	33.18	166	338 Average	VERTICAL
5	5860.00	70.54	74.00	-3.46	62.23	6.97	34.52	33.18	166	338 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 38

	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	5148.40	69.58	74.00	-4.42	62.68	6.21	33.74	33.05	175	357 Peak	VERTICAL
2	5148.80	52.91	54.00	-1.09	46.01	6.21	33.74	33.05	175	357 Average	VERTICAL
3	5194.00	100.76			93.75	6.24	33.82	33.05	175	357 Average	VERTICAL
4	5195.20	111.32			104.28	6.27	33.82	33.05	175	357 Peak	VERTICAL

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

Channel 46

	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	5146.00	67.09	74.00	-6.91	60.19	6.21	33.74	33.05	171	333 Peak	VERTICAL
2	5149.60	52.56	54.00	-1.44	45.66	6.21	33.74	33.05	171	333 Average	VERTICAL
3	5236.40	116.42			109.30	6.30	33.87	33.05	171	333 Peak	VERTICAL
4	5237.20	106.51			99.39	6.30	33.87	33.05	171	333 Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	Loss	Factor	Factor	cm	deg		
1	5264.80	104.09			96.88	6.34	33.93	33.06	166	353	Average	VERTICAL
2	5267.20	114.90			107.69	6.34	33.93	33.06	166	353	Peak	VERTICAL
3	5352.00	52.73	54.00	-1.27	45.26	6.47	34.06	33.06	166	353	Average	VERTICAL
4	5353.20	64.24	74.00	-9.76	56.77	6.47	34.06	33.06	166	353	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	Loss	Factor	Factor	cm	deg		
1	5303.20	111.81			104.49	6.40	33.98	33.06	167	359	Peak	VERTICAL
2	5305.60	100.92			93.60	6.40	33.98	33.06	167	359	Average	VERTICAL
3	5350.00	52.74	54.00	-1.26	45.27	6.47	34.06	33.06	167	359	Average	VERTICAL
4	5354.40	67.93	74.00	-6.07	60.46	6.47	34.06	33.06	167	359	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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	5456.40	65.56	74.00	-8.44	57.80	6.60	34.22	33.06	175	346	Peak	VERTICAL
2	5460.00	50.69	54.00	-3.31	42.93	6.60	34.22	33.06	175	346	Average	VERTICAL
3	5463.60	69.88	74.00	-4.12	62.09	6.60	34.25	33.06	175	346	Peak	VERTICAL
4	5470.00	52.59	54.00	-1.41	44.80	6.60	34.25	33.06	175	346	Average	VERTICAL
5	5515.60	112.96			105.07	6.65	34.31	33.07	175	346	Peak	VERTICAL
6	5523.60	102.43			94.54	6.65	34.31	33.07	175	346	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	5456.80	52.20	54.00	-1.80	44.44	6.60	34.22	33.06	170	347	Average	VERTICAL
2	5463.60	65.98	74.00	-8.02	58.19	6.60	34.25	33.06	170	347	Peak	VERTICAL
3	5468.00	52.83	54.00	-1.17	45.04	6.60	34.25	33.06	170	347	Average	VERTICAL
4	5470.00	68.74	74.00	-5.26	60.95	6.60	34.25	33.06	170	347	Peak	VERTICAL
5	5536.00	103.55			95.63	6.68	34.32	33.08	170	347	Average	VERTICAL
6	5536.80	113.32			105.40	6.68	34.32	33.08	170	347	Peak	VERTICAL

Item 5, 6 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	5673.60	111.35			103.28	6.79	34.40	33.12	153	341	Peak	VERTICAL
2	5674.80	101.21			93.14	6.79	34.40	33.12	153	341	Average	VERTICAL
3	5725.00	52.61	54.00	-1.39	44.48	6.83	34.43	33.13	153	341	Average	VERTICAL
4	5725.60	68.14	74.00	-5.86	60.01	6.83	34.43	33.13	153	341	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 151

	Freq	Level	Limit	Over	Read	CableAntenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5710.60	68.61	74.00	-5.39	60.49	6.83	34.42	33.13	149	356 Peak	VERTICAL
2	5714.60	52.84	54.00	-1.16	44.72	6.83	34.42	33.13	149	356 Average	VERTICAL
3	5724.60	71.83	78.20	-6.37	63.70	6.83	34.43	33.13	149	356 Peak	VERTICAL
4	5768.20	108.45			100.26	6.88	34.46	33.15	149	356 Peak	VERTICAL
5	5772.60	98.53			90.33	6.88	34.47	33.15	149	356 Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit	Over	Read	CableAntenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5707.00	61.89	74.00	-12.11	53.77	6.83	34.42	33.13	175	356 Peak	VERTICAL
2	5710.60	48.97	54.00	-5.03	40.85	6.83	34.42	33.13	175	356 Average	VERTICAL
3	5721.40	62.16	78.20	-16.04	54.03	6.83	34.43	33.13	175	356 Peak	VERTICAL
4	5801.00	110.64			102.42	6.90	34.48	33.16	175	356 Peak	VERTICAL
5	5809.80	100.46			92.21	6.92	34.49	33.16	175	356 Average	VERTICAL
6	5858.20	69.73	78.20	-8.47	61.42	6.97	34.52	33.18	175	356 Peak	VERTICAL
7	5862.20	52.94	54.00	-1.06	44.63	6.97	34.52	33.18	175	356 Average	VERTICAL
8	5862.20	68.53	74.00	-5.47	60.22	6.97	34.52	33.18	175	356 Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5795 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 42

	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	5134.80	67.67	74.00	-6.33	60.84	6.17	33.71	33.05	176	318 Peak	VERTICAL
2	5137.20	52.80	54.00	-1.20	45.97	6.17	33.71	33.05	176	318 Average	VERTICAL
3	5236.40	106.28			99.16	6.30	33.87	33.05	176	318 Peak	VERTICAL
4	5238.00	98.11			90.99	6.30	33.87	33.05	176	318 Average	VERTICAL
5	5360.40	48.17	54.00	-5.83	40.70	6.47	34.06	33.06	176	318 Average	VERTICAL
6	5382.00	59.03	74.00	-14.97	51.48	6.50	34.11	33.06	176	318 Peak	VERTICAL

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

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	5142.00	47.00	54.00	-7.00	40.14	6.17	33.74	33.05	160	340 Average	VERTICAL
2	5146.00	59.29	74.00	-14.71	52.39	6.21	33.74	33.05	160	340 Peak	VERTICAL
3	5300.40	96.94			89.62	6.40	33.98	33.06	160	340 Average	VERTICAL
4	5300.40	107.06			99.74	6.40	33.98	33.06	160	340 Peak	VERTICAL
5	5355.60	52.76	54.00	-1.24	45.29	6.47	34.06	33.06	160	340 Average	VERTICAL
6	5368.40	68.76	74.00	-5.24	61.26	6.47	34.09	33.06	160	340 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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	5456.40	52.86	54.00	-1.14	45.10	6.60	34.22	33.06	171	329 Average	VERTICAL
2	5457.20	70.38	74.00	-3.62	62.62	6.60	34.22	33.06	171	329 Peak	VERTICAL
3	5466.00	52.99	54.00	-1.01	45.20	6.60	34.25	33.06	171	329 Average	VERTICAL
4	5470.00	68.69	74.00	-5.31	60.90	6.60	34.25	33.06	171	329 Peak	VERTICAL
5	5519.60	97.98			90.09	6.65	34.31	33.07	171	329 Average	VERTICAL
6	5522.80	107.83			99.94	6.65	34.31	33.07	171	329 Peak	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	5446.80	66.95	74.00	-7.05	59.23	6.56	34.22	33.06	159	327 Peak	VERTICAL
2	5459.60	51.08	54.00	-2.92	43.32	6.60	34.22	33.06	159	327 Average	VERTICAL
3	5464.40	67.12	74.00	-6.88	59.33	6.60	34.25	33.06	159	327 Peak	VERTICAL
4	5469.20	52.46	54.00	-1.54	44.67	6.60	34.25	33.06	159	327 Average	VERTICAL
5	5586.80	112.66			104.68	6.72	34.35	33.09	159	327 Peak	VERTICAL
6	5620.40	99.77			91.76	6.74	34.37	33.10	159	327 Average	VERTICAL
7	5727.60	52.89	54.00	-1.11	44.76	6.83	34.43	33.13	159	327 Average	VERTICAL
8	5729.20	66.73	74.00	-7.27	58.60	6.83	34.43	33.13	159	327 Peak	VERTICAL

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

Channel 155

	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	5707.00	65.40	74.00	-8.60	57.28	6.83	34.42	33.13	163	350 Peak	VERTICAL
2	5713.00	50.01	54.00	-3.99	41.89	6.83	34.42	33.13	163	350 Average	VERTICAL
3	5723.00	70.50	78.20	-7.70	62.37	6.83	34.43	33.13	163	350 Peak	VERTICAL
4	5799.00	105.93			97.71	6.90	34.48	33.16	163	350 Peak	VERTICAL
5	5802.00	95.73			87.51	6.90	34.48	33.16	163	350 Average	VERTICAL
6	5852.00	73.47	78.20	-4.73	65.18	6.95	34.51	33.17	163	350 Peak	VERTICAL
7	5860.00	72.42	74.00	-1.58	64.11	6.97	34.52	33.18	163	350 Peak	VERTICAL
8	5863.00	52.78	54.00	-1.22	44.47	6.97	34.52	33.18	163	350 Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5775 MHz.

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5712.00	109.31			101.19	6.83	34.42	33.13	224	347	Average	VERTICAL
2	5712.00	117.79			109.67	6.83	34.42	33.13	224	347	Peak	VERTICAL
3	5872.00	52.00	54.00	-2.00	43.68	6.97	34.53	33.18	224	347	Average	VERTICAL
4	5872.80	63.89	74.00	-10.11	55.57	6.97	34.53	33.18	224	347	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5695.00	114.46			106.36	6.81	34.41	33.12	187	333	Peak	VERTICAL
2	5696.80	104.72			96.62	6.81	34.41	33.12	187	333	Average	VERTICAL
3	5850.00	68.15	74.00	-5.85	59.86	6.95	34.51	33.17	187	333	Peak	VERTICAL
4	5852.80	52.63	54.00	-1.37	44.34	6.95	34.51	33.17	187	333	Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 10, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5696.00	100.36			92.26	6.81	34.41	33.12	172	325	Average	VERTICAL
2	5698.00	110.75			102.65	6.81	34.41	33.12	172	325	Peak	VERTICAL
3	5854.00	67.14	68.20	-1.06	58.84	6.95	34.52	33.17	172	325	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 STBC Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5067.50	61.02	74.00	-12.98	54.35	6.11	33.61	33.05	166	342	Peak	HORIZONTAL
2	5150.00	52.79	54.00	-1.21	45.89	6.21	33.74	33.05	166	342	Average	HORIZONTAL
3	5178.08	102.75			95.77	6.24	33.79	33.05	166	342	Average	HORIZONTAL
4	5180.96	113.38			106.40	6.24	33.79	33.05	166	342	Peak	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5143.27	68.26	74.00	-5.74	61.40	6.17	33.74	33.05	155	342	Peak	HORIZONTAL
2	5150.00	52.51	54.00	-1.49	45.61	6.21	33.74	33.05	155	342	Average	HORIZONTAL
3	5200.96	105.99			98.95	6.27	33.82	33.05	155	342	Average	HORIZONTAL
4	5202.89	118.14			111.10	6.27	33.82	33.05	155	342	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5118.85	60.90	74.00	-13.10	54.09	6.17	33.69	33.05	163	342	Peak	HORIZONTAL
2	5121.73	50.24	54.00	-3.76	43.43	6.17	33.69	33.05	163	342	Average	HORIZONTAL
3	5238.08	104.95			97.83	6.30	33.87	33.05	163	342	Average	HORIZONTAL
4	5240.96	115.46			108.34	6.30	33.87	33.05	163	342	Peak	HORIZONTAL
5	5353.46	61.79	74.00	-12.21	54.32	6.47	34.06	33.06	163	342	Peak	HORIZONTAL
6	5358.27	50.42	54.00	-3.58	42.95	6.47	34.06	33.06	163	342	Average	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5138.85	52.60	54.00	-1.40	45.77	6.17	33.71	33.05	153	346 Average	HORIZONTAL
2	5143.65	65.01	74.00	-8.99	58.15	6.17	33.74	33.05	153	346 Peak	HORIZONTAL
3	5261.92	108.10			100.89	6.34	33.93	33.06	153	346 Average	HORIZONTAL
4	5266.73	119.52			112.31	6.34	33.93	33.06	153	346 Peak	HORIZONTAL
5	5381.15	51.79	54.00	-2.21	44.24	6.50	34.11	33.06	153	346 Average	HORIZONTAL
6	5385.00	65.24	74.00	-8.76	57.69	6.50	34.11	33.06	153	346 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	5299.04	105.48			98.16	6.40	33.98	33.06	159	351 Average	HORIZONTAL
2	5302.89	117.02			109.70	6.40	33.98	33.06	159	351 Peak	HORIZONTAL
3	5350.00	52.98	54.00	-1.02	45.51	6.47	34.06	33.06	159	351 Average	HORIZONTAL
4	5352.89	66.93	74.00	-7.07	59.46	6.47	34.06	33.06	159	351 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	5319.04	102.04			94.69	6.40	34.01	33.06	161	344 Average	HORIZONTAL
2	5326.73	113.80			106.40	6.43	34.03	33.06	161	344 Peak	HORIZONTAL
3	5350.00	52.28	54.00	-1.72	44.81	6.47	34.06	33.06	161	344 Average	HORIZONTAL
4	5350.00	67.95	74.00	-6.05	60.48	6.47	34.06	33.06	161	344 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5341.35	49.96	54.00	-4.04	42.56	6.43	34.03	33.06	159	352	Average	HORIZONTAL
2	5460.00	65.32	74.00	-8.68	57.56	6.60	34.22	33.06	159	352	Peak	HORIZONTAL
3	5470.00	52.29	54.00	-1.71	44.50	6.60	34.25	33.06	159	352	Average	HORIZONTAL
4	5470.00	72.50	74.00	-1.50	64.71	6.60	34.25	33.06	159	352	Peak	HORIZONTAL
5	5498.08	102.67			94.80	6.63	34.30	33.06	159	352	Average	HORIZONTAL
6	5500.96	114.53			106.65	6.65	34.30	33.07	159	352	Peak	HORIZONTAL

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	5417.50	52.33	54.00	-1.67	44.69	6.53	34.17	33.06	160	355	Average	HORIZONTAL
2	5457.89	64.65	74.00	-9.35	56.89	6.60	34.22	33.06	160	355	Peak	HORIZONTAL
3	5460.77	66.53	74.00	-7.47	58.77	6.60	34.22	33.06	160	355	Peak	HORIZONTAL
4	5460.96	52.11	54.00	-1.89	44.35	6.60	34.22	33.06	160	355	Average	HORIZONTAL
5	5580.00	120.42			112.45	6.72	34.34	33.09	160	355	Peak	HORIZONTAL
6	5581.92	109.52			101.54	6.72	34.35	33.09	160	355	Average	HORIZONTAL
7	5738.65	52.50	54.00	-1.50	44.34	6.86	34.44	33.14	160	355	Average	HORIZONTAL
8	5812.69	63.39	74.00	-10.61	55.14	6.92	34.49	33.16	160	355	Peak	HORIZONTAL

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	5699.04	101.01			92.91	6.81	34.41	33.12	159	355	Average	HORIZONTAL
2	5699.04	112.59			104.49	6.81	34.41	33.12	159	355	Peak	HORIZONTAL
3	5725.00	52.87	54.00	-1.13	44.74	6.83	34.43	33.13	159	355	Average	HORIZONTAL
4	5825.96	61.96	74.00	-12.04	53.70	6.92	34.50	33.16	159	355	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 149

	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	5715.00	50.64	54.00	-3.36	42.52	6.83	34.42	33.13	157	353	Average	HORIZONTAL
2	5715.00	70.86	74.00	-3.14	62.74	6.83	34.42	33.13	157	353	Peak	HORIZONTAL
3	5725.00	76.86	78.20	-1.34	68.73	6.83	34.43	33.13	157	353	Peak	HORIZONTAL
4	5742.44	100.63			92.47	6.86	34.44	33.14	157	353	Average	HORIZONTAL
5	5745.64	113.31			105.15	6.86	34.44	33.14	157	353	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5712.89	66.79	68.20	-1.41	58.67	6.83	34.42	33.13	147	353	Peak	HORIZONTAL
2	5720.58	71.60	78.20	-6.60	63.47	6.83	34.43	33.13	147	353	Peak	HORIZONTAL
3	5782.12	118.75			110.54	6.90	34.47	33.16	147	353	Peak	HORIZONTAL
4	5784.04	105.93			97.72	6.90	34.47	33.16	147	353	Average	HORIZONTAL
5	5854.23	68.78	78.20	-9.42	60.48	6.95	34.52	33.17	147	353	Peak	HORIZONTAL
6	5868.65	66.87	68.20	-1.33	58.56	6.97	34.52	33.18	147	353	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5826.92	100.59			92.33	6.92	34.50	33.16	148	358	Average	HORIZONTAL
2	5826.92	113.34			105.08	6.92	34.50	33.16	148	358	Peak	HORIZONTAL
3	5851.92	75.15	78.20	-3.05	66.86	6.95	34.51	33.17	148	358	Peak	HORIZONTAL
4	5860.00	66.35	68.20	-1.85	58.04	6.97	34.52	33.18	148	358	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 38

	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	5140.00	70.10	74.00	-3.90	63.24	6.17	33.74	33.05	148	347 Peak	HORIZONTAL
2	5150.00	52.59	54.00	-1.41	45.69	6.21	33.74	33.05	148	347 Average	HORIZONTAL
3	5193.85	99.57			92.56	6.24	33.82	33.05	148	347 Average	HORIZONTAL
4	5194.81	110.65			103.61	6.27	33.82	33.05	148	347 Peak	HORIZONTAL

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

Channel 46

	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	5144.42	63.77	74.00	-10.23	56.87	6.21	33.74	33.05	149	356 Peak	HORIZONTAL
2	5147.31	52.52	54.00	-1.48	45.62	6.21	33.74	33.05	149	356 Average	HORIZONTAL
3	5225.19	102.04			94.92	6.30	33.87	33.05	149	356 Average	HORIZONTAL
4	5232.89	113.17			106.05	6.30	33.87	33.05	149	356 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 54

	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	5273.85	102.72			95.48	6.37	33.93	33.06	154	355	Average	HORIZONTAL
2	5273.85	114.13			106.89	6.37	33.93	33.06	154	355	Peak	HORIZONTAL
3	5350.00	52.63	54.00	-1.37	45.16	6.47	34.06	33.06	154	355	Average	HORIZONTAL
4	5350.00	65.05	74.00	-8.95	57.58	6.47	34.06	33.06	154	355	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	Loss	Factor	Factor	cm	deg		
1	5307.12	108.39			101.07	6.40	33.98	33.06	159	356	Peak	HORIZONTAL
2	5315.77	97.74			90.39	6.40	34.01	33.06	159	356	Average	HORIZONTAL
3	5350.00	52.89	54.00	-1.11	45.42	6.47	34.06	33.06	159	356	Average	HORIZONTAL
4	5350.00	69.80	74.00	-4.20	62.33	6.47	34.06	33.06	159	356	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 102

	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	5459.04	67.55	74.00	-6.45	59.79	6.60	34.22	33.06	150	354	Peak	HORIZONTAL
2	5460.00	50.79	54.00	-3.21	43.03	6.60	34.22	33.06	150	354	Average	HORIZONTAL
3	5468.65	52.80	54.00	-1.20	45.01	6.60	34.25	33.06	150	354	Average	HORIZONTAL
4	5468.65	72.62	74.00	-1.38	64.83	6.60	34.25	33.06	150	354	Peak	HORIZONTAL
5	5515.77	100.19			92.30	6.65	34.31	33.07	150	354	Average	HORIZONTAL
6	5516.73	111.16			103.27	6.65	34.31	33.07	150	354	Peak	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	cm	deg		
1	5456.73	51.53	54.00	-2.47	43.77	6.60	34.22	33.06	157	358	Average	HORIZONTAL
2	5460.00	66.90	74.00	-7.10	59.14	6.60	34.22	33.06	157	358	Peak	HORIZONTAL
3	5463.46	67.18	74.00	-6.82	59.39	6.60	34.25	33.06	157	358	Peak	HORIZONTAL
4	5468.27	52.69	54.00	-1.31	44.90	6.60	34.25	33.06	157	358	Average	HORIZONTAL
5	5548.08	113.39			105.46	6.68	34.33	33.08	157	358	Peak	HORIZONTAL
6	5553.85	101.86			93.91	6.70	34.33	33.08	157	358	Average	HORIZONTAL

Item 5, 6 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	Loss	Factor	Factor	cm	deg		
1	5672.89	110.64			102.57	6.79	34.40	33.12	155	345	Peak	HORIZONTAL
2	5674.81	99.49			91.42	6.79	34.40	33.12	155	345	Average	HORIZONTAL
3	5725.77	69.41	74.00	-4.59	61.28	6.83	34.43	33.13	155	345	Peak	HORIZONTAL
4	5726.73	52.84	54.00	-1.16	44.71	6.83	34.43	33.13	155	345	Average	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 151

	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	5710.77	69.86	74.00	-4.14	61.74	6.83	34.42	33.13	149	356 Peak	HORIZONTAL
2	5715.00	52.71	54.00	-1.29	44.59	6.83	34.42	33.13	149	356 Average	HORIZONTAL
3	5724.23	77.15	78.20	-1.05	69.02	6.83	34.43	33.13	149	356 Peak	HORIZONTAL
4	5737.37	97.41			89.25	6.86	34.44	33.14	149	356 Average	HORIZONTAL
5	5768.78	108.60			100.40	6.88	34.47	33.15	149	356 Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5711.99	50.21	54.00	-3.79	42.09	6.83	34.42	33.13	161	356 Average	HORIZONTAL
2	5713.59	65.59	74.00	-8.41	57.47	6.83	34.42	33.13	161	356 Peak	HORIZONTAL
3	5725.00	67.22	78.20	-10.98	59.09	6.83	34.43	33.13	161	356 Peak	HORIZONTAL
4	5807.50	111.80			103.55	6.92	34.49	33.16	161	356 Peak	HORIZONTAL
5	5808.14	99.95			91.70	6.92	34.49	33.16	161	356 Average	HORIZONTAL
6	5852.05	72.92	78.20	-5.28	64.63	6.95	34.51	33.17	161	356 Peak	HORIZONTAL
7	5860.00	52.72	54.00	-1.28	44.41	6.97	34.52	33.18	161	356 Average	HORIZONTAL
8	5860.39	71.70	74.00	-2.30	63.39	6.97	34.52	33.18	161	356 Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5795 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 42

	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	5143.65	52.87	54.00	-1.13	46.01	6.17	33.74	33.05	158	346 Average	HORIZONTAL
2	5146.54	70.14	74.00	-3.86	63.24	6.21	33.74	33.05	158	346 Peak	HORIZONTAL
3	5199.42	96.20			89.16	6.27	33.82	33.05	158	346 Average	HORIZONTAL
4	5223.46	107.57			100.47	6.30	33.85	33.05	158	346 Peak	HORIZONTAL
5	5351.35	60.40	74.00	-13.60	52.93	6.47	34.06	33.06	158	346 Peak	HORIZONTAL
6	5357.12	48.71	54.00	-5.29	41.24	6.47	34.06	33.06	158	346 Average	HORIZONTAL

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

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	5125.58	58.87	74.00	-15.13	52.04	6.17	33.71	33.05	161	348 Peak	HORIZONTAL
2	5145.77	47.66	54.00	-6.34	40.76	6.21	33.74	33.05	161	348 Average	HORIZONTAL
3	5283.27	94.76			87.50	6.37	33.95	33.06	161	348 Average	HORIZONTAL
4	5284.23	105.87			98.61	6.37	33.95	33.06	161	348 Peak	HORIZONTAL
5	5350.00	52.96	54.00	-1.04	45.49	6.47	34.06	33.06	161	348 Average	HORIZONTAL
6	5350.00	68.07	74.00	-5.93	60.60	6.47	34.06	33.06	161	348 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

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	cm	deg		
1	5456.92	65.87	74.00	-8.13	58.11	6.60	34.22	33.06	151	352	Peak	HORIZONTAL
2	5458.85	52.17	54.00	-1.83	44.41	6.60	34.22	33.06	151	352	Average	HORIZONTAL
3	5469.42	52.48	54.00	-1.52	44.69	6.60	34.25	33.06	151	352	Average	HORIZONTAL
4	5469.42	70.67	74.00	-3.33	62.88	6.60	34.25	33.06	151	352	Peak	HORIZONTAL
5	5520.39	96.32			88.43	6.65	34.31	33.07	151	352	Average	HORIZONTAL
6	5523.27	106.71			98.82	6.65	34.31	33.07	151	352	Peak	HORIZONTAL
7	5736.73	48.39	54.00	-5.61	40.23	6.86	34.44	33.14	151	352	Average	HORIZONTAL
8	5765.58	58.53	74.00	-15.47	50.34	6.88	34.46	33.15	151	352	Peak	HORIZONTAL

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	Loss	Factor	Factor	cm	deg		
1	5460.00	49.68	54.00	-4.32	41.92	6.60	34.22	33.06	156	353	Average	HORIZONTAL
2	5460.00	61.55	74.00	-12.45	53.79	6.60	34.22	33.06	156	353	Peak	HORIZONTAL
3	5465.77	61.68	74.00	-12.32	53.89	6.60	34.25	33.06	156	353	Peak	HORIZONTAL
4	5470.20	50.01	54.00	-3.99	42.22	6.60	34.25	33.06	156	353	Average	HORIZONTAL
5	5617.69	97.71			89.70	6.74	34.37	33.10	156	353	Average	HORIZONTAL
6	5619.62	108.00			99.99	6.74	34.37	33.10	156	353	Peak	HORIZONTAL
7	5726.35	52.21	54.00	-1.79	44.08	6.83	34.43	33.13	156	353	Average	HORIZONTAL
8	5732.12	65.05	74.00	-8.95	56.90	6.86	34.43	33.14	156	353	Peak	HORIZONTAL

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

Channel 155

	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	5702.89	66.35	68.20	-1.85	58.24	6.81	34.42	33.12	156	358	Peak	HORIZONTAL
2	5718.27	71.34	78.20	-6.86	63.21	6.83	34.43	33.13	156	358	Peak	HORIZONTAL
3	5803.85	94.54			86.31	6.90	34.49	33.16	156	358	Average	HORIZONTAL
4	5805.77	105.84			97.61	6.90	34.49	33.16	156	358	Peak	HORIZONTAL
5	5850.00	67.03	78.20	-11.17	58.74	6.95	34.51	33.17	156	358	Peak	HORIZONTAL
6	5861.54	66.27	68.20	-1.93	57.96	6.97	34.52	33.18	156	358	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	cm	deg		
1	5719.04	109.06			100.93	6.83	34.43	33.13	153	352	Average	HORIZONTAL
2	5723.85	120.51			112.38	6.83	34.43	33.13	153	352	Peak	HORIZONTAL
3	5858.46	65.52	68.20	-2.68	57.21	6.97	34.52	33.18	153	352	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	Loss	Factor	Factor	cm	deg		
1	5704.23	104.92			96.81	6.81	34.42	33.12	157	355	Average	HORIZONTAL
2	5708.08	116.01			107.89	6.83	34.42	33.13	157	355	Peak	HORIZONTAL
3	5871.54	66.98	68.20	-1.22	58.66	6.97	34.53	33.18	157	355	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5679.42	99.99			91.90	6.81	34.40	33.12	152	349	Average	HORIZONTAL
2	5685.19	110.56			102.46	6.81	34.41	33.12	152	349	Peak	HORIZONTAL
3	5850.58	67.04	68.20	-1.16	58.75	6.95	34.51	33.17	152	349	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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5150.00	52.89	54.00	-1.11	48.55	5.51	33.17	34.34	132	4 VERTICAL	Average
2	5150.00	69.90	74.00	-4.10	65.56	5.51	33.17	34.34	132	4 VERTICAL	Peak
3	5181.60	106.24			101.83	5.52	33.23	34.34	132	4 VERTICAL	Average
4	5184.80	116.94			112.53	5.52	33.23	34.34	132	4 VERTICAL	Peak

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5117.60	52.80	54.00	-1.20	48.53	5.50	33.12	34.35	148	3 VERTICAL	Average
2	5127.20	64.36	74.00	-9.64	60.06	5.50	33.15	34.35	148	3 VERTICAL	Peak
3	5197.60	107.54			103.10	5.53	33.25	34.34	148	3 VERTICAL	Average
4	5198.40	118.54			114.10	5.53	33.25	34.34	148	3 VERTICAL	Peak

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5117.60	51.24	54.00	-2.76	46.97	5.50	33.12	34.35	151	0 VERTICAL	Average
2	5120.80	63.62	74.00	-10.38	59.35	5.50	33.12	34.35	151	0 VERTICAL	Peak
3	5237.60	107.77			103.23	5.54	33.34	34.34	151	0 VERTICAL	Average
4	5238.40	119.32			114.78	5.54	33.34	34.34	151	0 VERTICAL	Peak
5	5358.40	52.83	54.00	-1.17	48.01	5.59	33.55	34.32	151	0 VERTICAL	Average
6	5364.00	65.02	74.00	-8.98	60.19	5.60	33.55	34.32	151	0 VERTICAL	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5140.80	51.27	54.00	-2.73	46.95	5.51	33.15	34.34	117	4	VERTICAL	Average
2	5141.60	63.76	74.00	-10.24	59.44	5.51	33.15	34.34	117	4	VERTICAL	Peak
3	5258.40	119.09			114.50	5.56	33.36	34.33	117	4	VERTICAL	Peak
4	5261.60	107.43			102.84	5.56	33.36	34.33	117	4	VERTICAL	Average
5	5376.80	64.87	74.00	-9.13	60.01	5.60	33.58	34.32	117	4	VERTICAL	Peak
6	5381.60	52.87	54.00	-1.13	48.01	5.60	33.58	34.32	117	4	VERTICAL	Average

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

Channel 60

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5297.60	105.32			100.63	5.57	33.45	34.33	151	2	VERTICAL	Average
2	5301.60	115.75			111.06	5.57	33.45	34.33	151	2	VERTICAL	Peak
3	5377.60	52.63	54.00	-1.37	47.77	5.60	33.58	34.32	151	2	VERTICAL	Average
4	5378.40	64.63	74.00	-9.37	59.77	5.60	33.58	34.32	151	2	VERTICAL	Peak

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

Channel 64

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5320.80	103.19			98.47	5.58	33.47	34.33	149	360	HORIZONTAL	Average
2	5326.40	115.90			111.15	5.58	33.50	34.33	149	360	HORIZONTAL	Peak
3	5350.00	52.65	54.00	-1.35	47.85	5.59	33.53	34.32	149	360	HORIZONTAL	Average
4	5354.40	70.56	74.00	-3.44	65.74	5.59	33.55	34.32	149	360	HORIZONTAL	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 24, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 100

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5338.40	51.48	54.00	-2.52	46.73	5.58	33.50	34.33	132	6	VERTICAL	Average
2	5460.00	66.71	74.00	-7.29	61.67	5.63	33.72	34.31	132	6	VERTICAL	Peak
3	5468.40	70.69	74.00	-3.31	65.62	5.63	33.75	34.31	132	6	VERTICAL	Peak
4	5470.00	52.67	54.00	-1.33	47.59	5.64	33.75	34.31	132	6	VERTICAL	Average
5	5497.60	117.69			112.55	5.65	33.80	34.31	132	6	VERTICAL	Peak
6	5499.20	106.32			101.18	5.65	33.80	34.31	132	6	VERTICAL	Average

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

Channel 116

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5418.40	52.99	54.00	-1.01	48.03	5.62	33.66	34.32	100	5	VERTICAL	Average
2	5428.80	63.96	74.00	-10.04	59.00	5.62	33.66	34.32	100	5	VERTICAL	Peak
3	5460.80	52.15	54.00	-1.85	47.11	5.63	33.72	34.31	100	5	VERTICAL	Average
4	5466.80	65.19	74.00	-8.81	60.12	5.63	33.75	34.31	100	5	VERTICAL	Peak
5	5579.20	111.44			106.00	5.72	34.05	34.33	100	5	VERTICAL	Average
6	5584.80	121.94			116.50	5.72	34.05	34.33	100	5	VERTICAL	Peak
7	5734.40	63.82	74.00	-10.18	57.81	5.87	34.50	34.36	100	5	VERTICAL	Peak
8	5740.80	52.15	54.00	-1.85	46.09	5.87	34.55	34.36	100	5	VERTICAL	Average

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

Channel 140

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.00	112.21			106.33	5.83	34.40	34.35	152	359	HORIZONTAL	Peak
2	5698.40	100.53			94.65	5.83	34.40	34.35	152	359	HORIZONTAL	Average
3	5725.00	50.68	54.00	-3.32	44.69	5.85	34.50	34.36	152	359	HORIZONTAL	Average
4	5725.00	72.86	74.00	-1.14	66.87	5.85	34.50	34.36	152	359	HORIZONTAL	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 24, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 149

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5715.00	66.76	68.20	-1.44	60.82	5.85	34.45	34.36	100	5 VERTICAL	Peak
2	5725.00	74.87	78.20	-3.33	68.88	5.85	34.50	34.36	100	5 VERTICAL	Peak
3	5743.40	102.89			96.83	5.87	34.55	34.36	100	5 VERTICAL	Average
4	5744.20	113.50			107.44	5.87	34.55	34.36	100	5 VERTICAL	Peak

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5702.60	66.43	68.20	-1.77	60.55	5.83	34.40	34.35	100	4 VERTICAL	Peak
2	5725.00	62.36	78.20	-15.84	56.37	5.85	34.50	34.36	100	4 VERTICAL	Peak
3	5786.60	107.13			100.94	5.92	34.65	34.38	100	4 VERTICAL	Average
4	5787.40	117.56			111.37	5.92	34.65	34.38	100	4 VERTICAL	Peak
5	5857.20	66.55	78.20	-11.65	60.09	5.95	34.90	34.39	100	4 VERTICAL	Peak
6	5872.20	66.67	68.20	-1.53	60.19	5.97	34.90	34.39	100	4 VERTICAL	Peak

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5824.20	113.61			107.25	5.94	34.80	34.38	100	4 VERTICAL	Peak
2	5825.80	102.99			96.63	5.94	34.80	34.38	100	4 VERTICAL	Average
3	5850.80	75.14	78.20	-3.06	68.73	5.95	34.85	34.39	100	4 VERTICAL	Peak
4	5863.40	67.17	68.20	-1.03	60.69	5.97	34.90	34.39	100	4 VERTICAL	Peak

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 24, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 38

	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	5143.53	64.52	74.00	-9.48	57.66	6.17	33.74	33.05	104	1 Peak	VERTICAL
2	5150.00	52.78	54.00	-1.22	45.88	6.21	33.74	33.05	104	1 Average	VERTICAL
3	5194.81	100.39			93.35	6.27	33.82	33.05	104	1 Average	VERTICAL
4	5194.81	110.02			102.98	6.27	33.82	33.05	104	1 Peak	VERTICAL

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

Channel 46

	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	5148.27	52.75	54.00	-1.25	45.85	6.21	33.74	33.05	108	2 Average	VERTICAL
2	5149.07	65.25	74.00	-8.75	58.35	6.21	33.74	33.05	108	2 Peak	VERTICAL
3	5226.80	104.31			97.19	6.30	33.87	33.05	108	2 Average	VERTICAL
4	5235.61	113.96			106.84	6.30	33.87	33.05	108	2 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 24, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5264.39	104.39			97.18	6.34	33.93	33.06	130	1 Average	VERTICAL
2	5265.19	114.02			106.81	6.34	33.93	33.06	130	1 Peak	VERTICAL
3	5354.14	52.64	54.00	-1.36	45.17	6.47	34.06	33.06	130	1 Average	VERTICAL
4	5355.74	64.22	74.00	-9.78	56.75	6.47	34.06	33.06	130	1 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	108.55			101.23	6.40	33.98	33.06	175	352 Peak	HORIZONTAL
2	5313.21	97.54			90.19	6.40	34.01	33.06	175	352 Average	HORIZONTAL
3	5350.00	52.88	54.00	-1.12	45.41	6.47	34.06	33.06	175	352 Average	HORIZONTAL
4	5356.47	71.48	74.00	-2.52	64.01	6.47	34.06	33.06	175	352 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 24, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5459.04	63.07	74.00	-10.93	55.31	6.60	34.22	33.06	102	360 Peak	VERTICAL
2	5460.00	50.14	54.00	-3.86	42.38	6.60	34.22	33.06	102	360 Average	VERTICAL
3	5468.01	69.45	74.00	-4.55	61.66	6.60	34.25	33.06	102	360 Peak	VERTICAL
4	5470.00	52.95	54.00	-1.05	45.16	6.60	34.25	33.06	102	360 Average	VERTICAL
5	5513.53	101.31			93.42	6.65	34.31	33.07	102	360 Average	VERTICAL
6	5523.78	111.18			103.29	6.65	34.31	33.07	102	360 Peak	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	5433.65	52.86	54.00	-1.14	45.17	6.56	34.19	33.06	102	3 Average	VERTICAL
2	5454.81	67.88	74.00	-6.12	60.12	6.60	34.22	33.06	102	3 Peak	VERTICAL
3	5461.06	67.06	74.00	-6.94	59.30	6.60	34.22	33.06	102	3 Peak	VERTICAL
4	5467.60	52.32	54.00	-1.68	44.53	6.60	34.25	33.06	102	3 Average	VERTICAL
5	5546.15	104.75			96.83	6.68	34.32	33.08	102	3 Average	VERTICAL
6	5556.25	115.11			107.16	6.70	34.33	33.08	102	3 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	5682.50	97.45			89.36	6.81	34.40	33.12	175	2 Average	HORIZONTAL
2	5683.46	108.48			100.39	6.81	34.40	33.12	175	2 Peak	HORIZONTAL
3	5725.00	52.94	54.00	-1.06	44.81	6.83	34.43	33.13	175	2 Average	HORIZONTAL
4	5726.25	69.07	74.00	-4.93	60.94	6.83	34.43	33.13	175	2 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 24, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 151

	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	5712.69	67.17	68.20	-1.03	59.05	6.83	34.42	33.13	100	359	Peak	HORIZONTAL
2	5722.31	72.56	78.20	-5.64	64.43	6.83	34.43	33.13	100	359	Peak	HORIZONTAL
3	5741.54	96.79			88.63	6.86	34.44	33.14	100	359	Average	HORIZONTAL
4	5758.85	108.19			100.00	6.88	34.46	33.15	100	359	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5710.00	50.08	54.00	-3.92	41.96	6.83	34.42	33.13	132	1	Average	VERTICAL
2	5713.40	63.10	74.00	-10.90	54.98	6.83	34.42	33.13	132	1	Peak	VERTICAL
3	5723.08	64.90	78.20	-13.30	56.77	6.83	34.43	33.13	132	1	Peak	VERTICAL
4	5798.53	101.50			93.28	6.90	34.48	33.16	132	1	Average	VERTICAL
5	5798.85	111.59			103.37	6.90	34.48	33.16	132	1	Peak	VERTICAL
6	5853.53	70.98	78.20	-7.22	62.68	6.95	34.52	33.17	132	1	Peak	VERTICAL
7	5860.00	52.83	54.00	-1.17	44.52	6.97	34.52	33.18	132	1	Average	VERTICAL
8	5865.13	69.95	74.00	-4.05	61.64	6.97	34.52	33.18	132	1	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5795 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 24, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 42

	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	5147.50	65.50	74.00	-8.50	58.60	6.21	33.74	33.05	160	3	Peak	VERTICAL
2	5150.00	52.78	54.00	-1.22	45.88	6.21	33.74	33.05	160	3	Average	VERTICAL
3	5197.98	106.70			99.66	6.27	33.82	33.05	160	3	Peak	VERTICAL
4	5222.02	96.76			89.66	6.30	33.85	33.05	160	3	Average	VERTICAL
5	5351.03	47.99	54.00	-6.01	40.52	6.47	34.06	33.06	160	3	Average	VERTICAL
6	5386.28	59.89	74.00	-14.11	52.34	6.50	34.11	33.06	160	3	Peak	VERTICAL

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

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	5139.36	59.14	74.00	-14.86	52.31	6.17	33.71	33.05	153	1	Peak	VERTICAL
2	5144.97	47.99	54.00	-6.01	41.09	6.21	33.74	33.05	153	1	Average	VERTICAL
3	5299.62	96.30			88.98	6.40	33.98	33.06	153	1	Average	VERTICAL
4	5302.02	106.59			99.27	6.40	33.98	33.06	153	1	Peak	VERTICAL
5	5350.90	52.94	54.00	-1.06	45.47	6.47	34.06	33.06	153	1	Average	VERTICAL
6	5354.10	66.46	74.00	-7.54	58.99	6.47	34.06	33.06	153	1	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 25, 2015 ~ Aug. 04, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

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	5459.49	52.09	54.00	-1.91	44.33	6.60	34.22	33.06	148	2	Average	VERTICAL
2	5460.00	64.12	74.00	-9.88	56.36	6.60	34.22	33.06	148	2	Peak	VERTICAL
3	5463.49	67.76	74.00	-6.24	59.97	6.60	34.25	33.06	148	2	Peak	VERTICAL
4	5468.30	52.74	54.00	-1.26	44.95	6.60	34.25	33.06	148	2	Average	VERTICAL
5	5534.81	107.31			99.39	6.68	34.32	33.08	148	2	Peak	VERTICAL
6	5538.81	96.59			88.67	6.68	34.32	33.08	148	2	Average	VERTICAL
7	5727.12	47.86	54.00	-6.14	39.73	6.83	34.43	33.13	148	2	Average	VERTICAL
8	5730.32	60.87	74.00	-13.13	52.72	6.86	34.43	33.14	148	2	Peak	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	5456.96	62.62	74.00	-11.38	54.86	6.60	34.22	33.06	117	360	Peak	HORIZONTAL
2	5457.76	49.87	54.00	-4.13	42.11	6.60	34.22	33.06	117	360	Average	HORIZONTAL
3	5469.20	63.29	74.00	-10.71	55.50	6.60	34.25	33.06	117	360	Peak	HORIZONTAL
4	5470.00	50.09	54.00	-3.91	42.30	6.60	34.25	33.06	117	360	Average	HORIZONTAL
5	5603.59	108.58			100.58	6.74	34.36	33.10	117	360	Peak	HORIZONTAL
6	5620.42	97.16			89.15	6.74	34.37	33.10	117	360	Average	HORIZONTAL
7	5725.00	66.88	74.00	-7.12	58.75	6.83	34.43	33.13	117	360	Peak	HORIZONTAL
8	5726.99	52.84	54.00	-1.16	44.71	6.83	34.43	33.13	117	360	Average	HORIZONTAL

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

Channel 155

	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	5691.76	65.93	74.00	-8.07	57.83	6.81	34.41	33.12	204	6	Peak	VERTICAL
2	5715.00	52.63	54.00	-1.37	44.51	6.83	34.42	33.13	204	6	Average	VERTICAL
3	5725.00	67.27	78.20	-10.93	59.14	6.83	34.43	33.13	204	6	Peak	VERTICAL
4	5800.64	107.18			98.96	6.90	34.48	33.16	204	6	Peak	VERTICAL
5	5802.24	97.14			88.92	6.90	34.48	33.16	204	6	Average	VERTICAL
6	5850.80	68.74	78.20	-9.46	60.45	6.95	34.51	33.17	204	6	Peak	VERTICAL
7	5861.60	52.75	54.00	-1.25	44.44	6.97	34.52	33.18	204	6	Average	VERTICAL
8	5861.60	68.37	74.00	-5.63	60.06	6.97	34.52	33.18	204	6	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5775 MHz.

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 24, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.20	119.69			113.75	5.85	34.45	34.36	100	5	VERTICAL	Peak
2	5718.40	109.39			103.45	5.85	34.45	34.36	100	5	VERTICAL	Average
3	5881.60	66.99	68.20	-1.21	60.46	5.98	34.95	34.40	100	5	VERTICAL	Peak

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 24, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5704.71	106.66			98.55	6.81	34.42	33.12	138	1	Average	VERTICAL
2	5705.19	117.20			109.08	6.83	34.42	33.13	138	1	Peak	VERTICAL
3	5851.35	66.95	68.20	-1.25	58.66	6.95	34.51	33.17	138	1	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 25, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 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	5681.99	111.45			103.36	6.81	34.40	33.12	100	10	Peak	HORIZONTAL
2	5682.79	100.01			91.92	6.81	34.40	33.12	100	10	Average	HORIZONTAL
3	5864.68	67.17	68.20	-1.03	58.86	6.97	34.52	33.18	100	10	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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 36

	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	5149.00	70.01	74.00	-3.99	63.11	6.21	33.74	33.05	201	4 Peak	VERTICAL
2	5150.00	52.99	54.00	-1.01	46.09	6.21	33.74	33.05	201	4 Average	VERTICAL
3	5181.00	110.84			103.86	6.24	33.79	33.05	201	4 Peak	VERTICAL
4	5182.00	99.34			92.36	6.24	33.79	33.05	201	4 Average	VERTICAL

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

Channel 40

	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	66.64	74.00	-7.36	59.74	6.21	33.74	33.05	195	257 Peak	VERTICAL
2	5150.00	52.84	54.00	-1.16	45.94	6.21	33.74	33.05	195	257 Average	VERTICAL
3	5194.80	114.85			107.81	6.27	33.82	33.05	195	257 Peak	VERTICAL
4	5197.60	103.42			96.38	6.27	33.82	33.05	195	257 Average	VERTICAL

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

Channel 48

	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	5117.60	48.00	54.00	-6.00	41.22	6.14	33.69	33.05	204	257 Average	VERTICAL
2	5125.40	60.95	74.00	-13.05	54.12	6.17	33.71	33.05	204	257 Peak	VERTICAL
3	5237.00	113.87			106.75	6.30	33.87	33.05	204	257 Peak	VERTICAL
4	5237.60	102.52			95.40	6.30	33.87	33.05	204	257 Average	VERTICAL
5	5358.20	48.69	54.00	-5.31	41.22	6.47	34.06	33.06	204	257 Average	VERTICAL
6	5360.60	61.91	74.00	-12.09	54.41	6.47	34.09	33.06	204	257 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5134.60	61.61	74.00	-12.39	54.78	6.17	33.71	33.05	214	2 Peak	VERTICAL
2	5138.20	49.19	54.00	-4.81	42.36	6.17	33.71	33.05	214	2 Average	VERTICAL
3	5260.60	115.16			107.95	6.34	33.93	33.06	214	2 Peak	VERTICAL
4	5261.80	102.87			95.66	6.34	33.93	33.06	214	2 Average	VERTICAL
5	5350.60	62.34	74.00	-11.66	54.87	6.47	34.06	33.06	214	2 Peak	VERTICAL
6	5381.20	49.21	54.00	-4.79	41.66	6.50	34.11	33.06	214	2 Average	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	5302.80	113.41			106.09	6.40	33.98	33.06	210	6 Peak	VERTICAL
2	5306.40	101.94			94.62	6.40	33.98	33.06	210	6 Average	VERTICAL
3	5350.00	52.94	54.00	-1.06	45.47	6.47	34.06	33.06	210	6 Average	VERTICAL
4	5353.20	68.93	74.00	-5.07	61.46	6.47	34.06	33.06	210	6 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	5317.00	111.63			104.28	6.40	34.01	33.06	174	258 Peak	VERTICAL
2	5317.80	100.60			93.25	6.40	34.01	33.06	174	258 Average	VERTICAL
3	5350.00	52.78	54.00	-1.22	45.31	6.47	34.06	33.06	174	258 Average	VERTICAL
4	5350.40	71.38	74.00	-2.62	63.91	6.47	34.06	33.06	174	258 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5459.20	61.81	74.00	-12.19	54.05	6.60	34.22	33.06	198	255	Peak	VERTICAL
2	5460.00	48.64	54.00	-5.36	40.88	6.60	34.22	33.06	198	255	Average	VERTICAL
3	5466.00	68.39	74.00	-5.61	60.60	6.60	34.25	33.06	198	255	Peak	VERTICAL
4	5470.00	52.69	54.00	-1.31	44.90	6.60	34.25	33.06	198	255	Average	VERTICAL
5	5497.60	100.03			92.16	6.63	34.30	33.06	198	255	Average	VERTICAL
6	5500.80	110.67			102.79	6.65	34.30	33.07	198	255	Peak	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	5422.40	59.82	74.00	-14.18	52.18	6.53	34.17	33.06	207	34	Peak	VERTICAL
2	5460.00	48.57	54.00	-5.43	40.81	6.60	34.22	33.06	207	34	Average	VERTICAL
3	5462.40	48.76	54.00	-5.24	41.00	6.60	34.22	33.06	207	34	Average	VERTICAL
4	5462.40	61.70	74.00	-12.30	53.94	6.60	34.22	33.06	207	34	Peak	VERTICAL
5	5582.40	102.94			94.96	6.72	34.35	33.09	207	34	Average	VERTICAL
6	5582.40	114.51			106.53	6.72	34.35	33.09	207	34	Peak	VERTICAL
7	5737.60	47.53	54.00	-6.47	39.37	6.86	34.44	33.14	207	34	Average	VERTICAL
8	5740.80	60.23	74.00	-13.77	52.07	6.86	34.44	33.14	207	34	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	5702.60	109.77			101.66	6.81	34.42	33.12	202	350	Peak	VERTICAL
2	5706.60	98.92			90.80	6.83	34.42	33.13	202	350	Average	VERTICAL
3	5725.00	52.70	54.00	-1.30	44.57	6.83	34.43	33.13	202	350	Average	VERTICAL
4	5725.00	72.87	74.00	-1.13	64.74	6.83	34.43	33.13	202	350	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 149

	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	5714.80	70.41	74.00	-3.59	62.29	6.83	34.42	33.13	177	255	Peak	VERTICAL
2	5715.00	51.70	54.00	-2.30	43.58	6.83	34.42	33.13	177	255	Average	VERTICAL
3	5724.80	77.05	78.20	-1.15	68.92	6.83	34.43	33.13	177	255	Peak	VERTICAL
4	5742.60	98.71			90.55	6.86	34.44	33.14	177	255	Average	VERTICAL
5	5747.20	110.40			102.24	6.86	34.44	33.14	177	255	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5707.00	51.44	54.00	-2.56	43.32	6.83	34.42	33.13	208	20	Average	VERTICAL
2	5710.20	64.82	74.00	-9.18	56.70	6.83	34.42	33.13	208	20	Peak	VERTICAL
3	5725.00	66.68	78.20	-11.52	58.55	6.83	34.43	33.13	208	20	Peak	VERTICAL
4	5783.80	115.03			106.82	6.90	34.47	33.16	208	20	Peak	VERTICAL
5	5787.00	102.76			94.54	6.90	34.48	33.16	208	20	Average	VERTICAL
6	5858.20	68.99	78.20	-9.21	60.68	6.97	34.52	33.18	208	20	Peak	VERTICAL
7	5867.40	52.79	54.00	-1.21	44.48	6.97	34.52	33.18	208	20	Average	VERTICAL
8	5868.60	68.10	74.00	-5.90	59.79	6.97	34.52	33.18	208	20	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5831.60	100.02			91.76	6.92	34.50	33.16	208	347	Average	VERTICAL
2	5831.80	112.05			103.79	6.92	34.50	33.16	208	347	Peak	VERTICAL
3	5851.40	75.44	78.20	-2.76	67.15	6.95	34.51	33.17	208	347	Peak	VERTICAL
4	5860.00	52.78	54.00	-1.22	44.47	6.97	34.52	33.18	208	347	Average	VERTICAL
5	5864.20	72.27	74.00	-1.73	63.96	6.97	34.52	33.18	208	347	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 38

	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	5148.40	70.57	74.00	-3.43	63.67	6.21	33.74	33.05	215	11	Peak	VERTICAL
2	5149.20	52.61	54.00	-1.39	45.71	6.21	33.74	33.05	215	11	Average	VERTICAL
3	5183.60	106.20			99.22	6.24	33.79	33.05	215	11	Peak	VERTICAL
4	5186.80	95.15			88.17	6.24	33.79	33.05	215	11	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.20	64.42	74.00	-9.58	57.52	6.21	33.74	33.05	215	256	Peak	VERTICAL
2	5149.20	51.80	54.00	-2.20	44.90	6.21	33.74	33.05	215	256	Average	VERTICAL
3	5235.20	110.70			103.58	6.30	33.87	33.05	215	256	Peak	VERTICAL
4	5238.00	100.05			92.93	6.30	33.87	33.05	215	256	Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	cm	deg	
1	5262.00	99.03			91.82	6.34	33.93	33.06	197	7 Average	VERTICAL
2	5266.80	110.25			103.04	6.34	33.93	33.06	197	7 Peak	VERTICAL
3	5351.60	52.97	54.00	-1.03	45.50	6.47	34.06	33.06	197	7 Average	VERTICAL
4	5356.00	65.95	74.00	-8.05	58.48	6.47	34.06	33.06	197	7 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	5306.40	94.41			87.09	6.40	33.98	33.06	217	3 Average	VERTICAL
2	5306.40	105.46			98.14	6.40	33.98	33.06	217	3 Peak	VERTICAL
3	5350.00	52.66	54.00	-1.34	45.19	6.47	34.06	33.06	217	3 Average	VERTICAL
4	5350.40	69.43	74.00	-4.57	61.96	6.47	34.06	33.06	217	3 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	64.66	74.00	-9.34	56.90	6.60	34.22	33.06	222	253 Peak	VERTICAL
2	5460.00	49.86	54.00	-4.14	42.10	6.60	34.22	33.06	222	253 Average	VERTICAL
3	5468.80	70.73	74.00	-3.27	62.94	6.60	34.25	33.06	222	253 Peak	VERTICAL
4	5469.60	52.59	54.00	-1.41	44.80	6.60	34.25	33.06	222	253 Average	VERTICAL
5	5515.20	106.30			98.41	6.65	34.31	33.07	222	253 Peak	VERTICAL
6	5518.00	95.85			87.96	6.65	34.31	33.07	222	253 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	5455.20	65.26	74.00	-8.74	57.50	6.60	34.22	33.06	200	259 Peak	VERTICAL
2	5459.20	51.15	54.00	-2.85	43.39	6.60	34.22	33.06	200	259 Average	VERTICAL
3	5466.80	67.32	74.00	-6.68	59.53	6.60	34.25	33.06	200	259 Peak	VERTICAL
4	5469.60	52.87	54.00	-1.13	45.08	6.60	34.25	33.06	200	259 Average	VERTICAL
5	5544.80	99.63			91.71	6.68	34.32	33.08	200	259 Average	VERTICAL
6	5545.60	110.56			102.64	6.68	34.32	33.08	200	259 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	5674.80	105.89			97.82	6.79	34.40	33.12	213	257 Peak	VERTICAL
2	5678.00	95.44			87.37	6.79	34.40	33.12	213	257 Average	VERTICAL
3	5725.00	52.69	54.00	-1.31	44.56	6.83	34.43	33.13	213	257 Average	VERTICAL
4	5725.00	68.47	74.00	-5.53	60.34	6.83	34.43	33.13	213	257 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.00	67.56	74.00	-6.44	59.44	6.83	34.42	33.13	186	254	Peak	VERTICAL
2	5715.00	52.80	54.00	-1.20	44.68	6.83	34.42	33.13	186	254	Average	VERTICAL
3	5725.00	71.33	78.20	-6.87	63.20	6.83	34.43	33.13	186	254	Peak	VERTICAL
4	5759.80	105.94			97.75	6.88	34.46	33.15	186	254	Peak	VERTICAL
5	5762.60	95.29			87.10	6.88	34.46	33.15	186	254	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.60	49.34	54.00	-4.66	41.22	6.83	34.42	33.13	239	349	Average	VERTICAL
2	5714.00	61.11	74.00	-12.89	52.99	6.83	34.42	33.13	239	349	Peak	VERTICAL
3	5725.00	63.90	78.20	-14.30	55.77	6.83	34.43	33.13	239	349	Peak	VERTICAL
4	5811.80	96.86			88.61	6.92	34.49	33.16	239	349	Average	VERTICAL
5	5811.80	107.37			99.12	6.92	34.49	33.16	239	349	Peak	VERTICAL
6	5850.80	70.74	78.20	-7.46	62.45	6.95	34.51	33.17	239	349	Peak	VERTICAL
7	5860.00	52.93	54.00	-1.07	44.62	6.97	34.52	33.18	239	349	Average	VERTICAL
8	5863.40	68.44	74.00	-5.56	60.13	6.97	34.52	33.18	239	349	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5795 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 42

	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	68.78	74.00	-5.22	61.88	6.21	33.74	33.05	196	7 Peak	VERTICAL
2	5150.00	52.83	54.00	-1.17	45.93	6.21	33.74	33.05	196	7 Average	VERTICAL
3	5219.00	103.01			95.94	6.27	33.85	33.05	196	7 Peak	VERTICAL
4	5222.00	92.22			85.12	6.30	33.85	33.05	196	7 Average	VERTICAL
5	5355.00	48.62	54.00	-5.38	41.15	6.47	34.06	33.06	196	7 Average	VERTICAL
6	5374.00	60.24	74.00	-13.76	52.71	6.50	34.09	33.06	196	7 Peak	VERTICAL

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

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	5143.00	59.41	74.00	-14.59	52.55	6.17	33.74	33.05	192	359 Peak	VERTICAL
2	5150.00	47.26	54.00	-6.74	40.36	6.21	33.74	33.05	192	359 Average	VERTICAL
3	5298.00	100.74			93.42	6.40	33.98	33.06	192	359 Peak	VERTICAL
4	5302.00	89.83			82.51	6.40	33.98	33.06	192	359 Average	VERTICAL
5	5351.00	65.94	74.00	-8.06	58.47	6.47	34.06	33.06	192	359 Peak	VERTICAL
6	5353.00	52.72	54.00	-1.28	45.25	6.47	34.06	33.06	192	359 Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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	5457.00	51.20	54.00	-2.80	43.44	6.60	34.22	33.06	201	252	Average	VERTICAL
2	5459.00	63.83	74.00	-10.17	56.07	6.60	34.22	33.06	201	252	Peak	VERTICAL
3	5470.00	52.73	54.00	-1.27	44.94	6.60	34.25	33.06	201	252	Average	VERTICAL
4	5470.00	67.62	74.00	-6.38	59.83	6.60	34.25	33.06	201	252	Peak	VERTICAL
5	5515.00	102.11			94.22	6.65	34.31	33.07	201	252	Peak	VERTICAL
6	5518.00	92.34			84.45	6.65	34.31	33.07	201	252	Average	VERTICAL
7	5725.00	48.14	54.00	-5.86	40.01	6.83	34.43	33.13	201	252	Average	VERTICAL
8	5736.00	60.31	74.00	-13.69	52.15	6.86	34.44	33.14	201	252	Peak	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	5457.00	64.26	74.00	-9.74	56.50	6.60	34.22	33.06	163	351	Peak	VERTICAL
2	5458.00	52.32	54.00	-1.68	44.56	6.60	34.22	33.06	163	351	Average	VERTICAL
3	5464.00	65.01	68.20	-3.19	57.22	6.60	34.25	33.06	163	351	Peak	VERTICAL
4	5607.00	94.79			86.79	6.74	34.36	33.10	163	351	Average	VERTICAL
5	5619.00	105.02			97.01	6.74	34.37	33.10	163	351	Peak	VERTICAL
6	5737.00	66.82	68.20	-1.38	58.66	6.86	34.44	33.14	163	351	Peak	VERTICAL

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

Channel 155

	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	5712.00	52.99	54.00	-1.01	44.87	6.83	34.42	33.13	200	341	Average	VERTICAL
2	5713.00	68.79	74.00	-5.21	60.67	6.83	34.42	33.13	200	341	Peak	VERTICAL
3	5721.00	69.40	78.20	-8.80	61.27	6.83	34.43	33.13	200	341	Peak	VERTICAL
4	5804.00	91.56			83.33	6.90	34.49	33.16	200	341	Average	VERTICAL
5	5804.00	103.05			94.82	6.90	34.49	33.16	200	341	Peak	VERTICAL
6	5851.00	66.76	78.20	-11.44	58.47	6.95	34.51	33.17	200	341	Peak	VERTICAL
7	5869.00	52.11	54.00	-1.89	43.80	6.97	34.52	33.18	200	341	Average	VERTICAL
8	5869.00	65.95	74.00	-8.05	57.64	6.97	34.52	33.18	200	341	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5775 MHz.

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5715.20	113.69			105.57	6.83	34.42	33.13	197	253	Peak	VERTICAL
2	5717.60	102.77			94.64	6.83	34.43	33.13	197	253	Average	VERTICAL
3	5850.00	60.84	68.20	-7.36	52.55	6.95	34.51	33.17	197	253	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5705.80	112.56			104.44	6.83	34.42	33.13	198	347	Peak	VERTICAL
2	5706.40	102.23			94.11	6.83	34.42	33.13	198	347	Average	VERTICAL
3	5851.00	65.83	68.20	-2.37	57.54	6.95	34.51	33.17	198	347	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5704.00	95.06			86.95	6.81	34.42	33.12	186	344	Average	VERTICAL
2	5707.00	106.74			98.62	6.83	34.42	33.13	186	344	Peak	VERTICAL
3	5850.00	66.97	68.20	-1.23	58.68	6.95	34.51	33.17	186	344	Peak	VERTICAL

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

Note:

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 36

	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	5148.40	70.43	74.00	-3.57	63.53	6.21	33.74	33.05	200	244	Peak	VERTICAL
2	5150.00	52.95	54.00	-1.05	46.05	6.21	33.74	33.05	200	244	Average	VERTICAL
3	5182.00	101.76			94.78	6.24	33.79	33.05	200	244	Average	VERTICAL
4	5184.40	112.40			105.42	6.24	33.79	33.05	200	244	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.20	66.05	74.00	-7.95	59.15	6.21	33.74	33.05	163	320	Peak	VERTICAL
2	5150.00	52.17	54.00	-1.83	45.27	6.21	33.74	33.05	163	320	Average	VERTICAL
3	5193.60	117.04			110.03	6.24	33.82	33.05	163	320	Peak	VERTICAL
4	5197.60	106.22			99.18	6.27	33.82	33.05	163	320	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5121.80	49.52	54.00	-4.48	42.71	6.17	33.69	33.05	199	244	Average	VERTICAL
2	5123.00	62.62	74.00	-11.38	55.79	6.17	33.71	33.05	199	244	Peak	VERTICAL
3	5237.60	116.51			109.39	6.30	33.87	33.05	199	244	Peak	VERTICAL
4	5242.40	105.21			98.06	6.30	33.90	33.05	199	244	Average	VERTICAL
5	5355.80	62.91	74.00	-11.09	55.44	6.47	34.06	33.06	199	244	Peak	VERTICAL
6	5362.40	50.46	54.00	-3.54	42.96	6.47	34.09	33.06	199	244	Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5132.20	63.98	74.00	-10.02	57.15	6.17	33.71	33.05	186	241	Peak	VERTICAL
2	5141.80	50.70	54.00	-3.30	43.84	6.17	33.74	33.05	186	241	Average	VERTICAL
3	5261.80	117.58			110.37	6.34	33.93	33.06	186	241	Peak	VERTICAL
4	5262.40	106.45			99.24	6.34	33.93	33.06	186	241	Average	VERTICAL
5	5382.40	50.67	54.00	-3.33	43.12	6.50	34.11	33.06	186	241	Average	VERTICAL
6	5388.40	63.07	74.00	-10.93	55.52	6.50	34.11	33.06	186	241	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	5302.40	105.18			97.86	6.40	33.98	33.06	175	242	Average	VERTICAL
2	5302.40	117.20			109.88	6.40	33.98	33.06	175	242	Peak	VERTICAL
3	5350.00	52.75	54.00	-1.25	45.28	6.47	34.06	33.06	175	242	Average	VERTICAL
4	5351.20	66.63	74.00	-7.37	59.16	6.47	34.06	33.06	175	242	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	5317.00	113.71			106.36	6.40	34.01	33.06	199	245	Peak	VERTICAL
2	5321.80	102.01			94.66	6.40	34.01	33.06	199	245	Average	VERTICAL
3	5350.00	52.85	54.00	-1.15	45.38	6.47	34.06	33.06	199	245	Average	VERTICAL
4	5350.00	66.95	74.00	-7.05	59.48	6.47	34.06	33.06	199	245	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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	5458.20	61.63	74.00	-12.37	53.87	6.60	34.22	33.06	202	129	Peak	VERTICAL
2	5460.00	49.31	54.00	-4.69	41.55	6.60	34.22	33.06	202	129	Average	VERTICAL
3	5469.40	68.01	74.00	-5.99	60.22	6.60	34.25	33.06	202	129	Peak	VERTICAL
4	5470.00	52.61	54.00	-1.39	44.82	6.60	34.25	33.06	202	129	Average	VERTICAL
5	5501.80	100.68			92.80	6.65	34.30	33.07	202	129	Average	VERTICAL
6	5503.00	111.78			103.90	6.65	34.30	33.07	202	129	Peak	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	5455.20	63.92	74.00	-10.08	56.16	6.60	34.22	33.06	201	244	Peak	VERTICAL
2	5457.60	52.43	54.00	-1.57	44.67	6.60	34.22	33.06	201	244	Average	VERTICAL
3	5461.60	52.78	54.00	-1.22	45.02	6.60	34.22	33.06	201	244	Average	VERTICAL
4	5463.40	64.21	74.00	-9.79	56.42	6.60	34.25	33.06	201	244	Peak	VERTICAL
5	5581.20	115.89			107.92	6.72	34.34	33.09	201	244	Peak	VERTICAL
6	5581.80	104.62			96.64	6.72	34.35	33.09	201	244	Average	VERTICAL
7	5725.20	46.96	54.00	-7.04	38.83	6.83	34.43	33.13	201	244	Average	VERTICAL
8	5725.20	57.96	74.00	-16.04	49.83	6.83	34.43	33.13	201	244	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	5702.60	110.83			102.72	6.81	34.42	33.12	196	356	Peak	VERTICAL
2	5706.60	98.98			90.86	6.83	34.42	33.13	196	356	Average	VERTICAL
3	5725.00	52.91	54.00	-1.09	44.78	6.83	34.43	33.13	196	356	Average	VERTICAL
4	5727.60	72.54	74.00	-1.46	64.41	6.83	34.43	33.13	196	356	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 149

	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	5712.60	67.01	68.20	-1.19	58.89	6.83	34.42	33.13	200	349	Peak	VERTICAL
2	5725.00	76.40	78.20	-1.80	68.27	6.83	34.43	33.13	200	349	Peak	VERTICAL
3	5746.20	112.18			104.02	6.86	34.44	33.14	200	349	Peak	VERTICAL
4	5747.00	99.46			91.30	6.86	34.44	33.14	200	349	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5710.60	64.54	74.00	-9.46	56.42	6.83	34.42	33.13	203	354	Peak	VERTICAL
2	5711.40	52.29	54.00	-1.71	44.17	6.83	34.42	33.13	203	354	Average	VERTICAL
3	5721.80	66.27	78.20	-11.93	58.14	6.83	34.43	33.13	203	354	Peak	VERTICAL
4	5786.60	115.01			106.79	6.90	34.48	33.16	203	354	Peak	VERTICAL
5	5787.40	103.70			95.48	6.90	34.48	33.16	203	354	Average	VERTICAL
6	5850.00	68.64	78.20	-9.56	60.35	6.95	34.51	33.17	203	354	Peak	VERTICAL
7	5860.00	68.05	74.00	-5.95	59.74	6.97	34.52	33.18	203	354	Peak	VERTICAL
8	5867.40	52.93	54.00	-1.07	44.62	6.97	34.52	33.18	203	354	Average	VERTICAL

Item 4, 5 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5823.40	112.51			104.25	6.92	34.50	33.16	230	10	Peak	VERTICAL
2	5827.40	101.09			92.83	6.92	34.50	33.16	230	10	Average	VERTICAL
3	5850.00	76.28	78.20	-1.92	67.99	6.95	34.51	33.17	230	10	Peak	VERTICAL
4	5860.00	52.88	54.00	-1.12	44.57	6.97	34.52	33.18	230	10	Average	VERTICAL
5	5860.00	69.92	74.00	-4.08	61.61	6.97	34.52	33.18	230	10	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 38

	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	5148.00	68.26	74.00	-5.74	61.36	6.21	33.74	33.05	211	243	Peak	VERTICAL
2	5150.00	52.53	54.00	-1.47	45.63	6.21	33.74	33.05	211	243	Average	VERTICAL
3	5192.40	107.47			100.46	6.24	33.82	33.05	211	243	Peak	VERTICAL
4	5195.20	96.73			89.69	6.27	33.82	33.05	211	243	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.80	52.71	54.00	-1.29	45.81	6.21	33.74	33.05	200	241	Average	VERTICAL
2	5148.80	67.28	74.00	-6.72	60.38	6.21	33.74	33.05	200	241	Peak	VERTICAL
3	5235.20	102.01			94.89	6.30	33.87	33.05	200	241	Average	VERTICAL
4	5235.60	114.08			106.96	6.30	33.87	33.05	200	241	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.00	101.70			94.49	6.34	33.93	33.06	200	244	Average	VERTICAL
2	5266.40	112.53			105.32	6.34	33.93	33.06	200	244	Peak	VERTICAL
3	5351.20	52.91	54.00	-1.09	45.44	6.47	34.06	33.06	200	244	Average	VERTICAL
4	5358.00	66.20	74.00	-7.80	58.73	6.47	34.06	33.06	200	244	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	5307.20	107.38			100.06	6.40	33.98	33.06	181	244	Peak	VERTICAL
2	5307.60	96.42			89.10	6.40	33.98	33.06	181	244	Average	VERTICAL
3	5350.00	52.76	54.00	-1.24	45.29	6.47	34.06	33.06	181	244	Average	VERTICAL
4	5352.40	70.47	74.00	-3.53	63.00	6.47	34.06	33.06	181	244	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5459.20	64.39	74.00	-9.61	56.63	6.60	34.22	33.06	200	126 Peak	VERTICAL
2	5459.60	50.47	54.00	-3.53	42.71	6.60	34.22	33.06	200	126 Average	VERTICAL
3	5467.60	69.54	74.00	-4.46	61.75	6.60	34.25	33.06	200	126 Peak	VERTICAL
4	5470.00	52.99	54.00	-1.01	45.20	6.60	34.25	33.06	200	126 Average	VERTICAL
5	5506.40	95.99			88.11	6.65	34.30	33.07	200	126 Average	VERTICAL
6	5515.20	106.95			99.06	6.65	34.31	33.07	200	126 Peak	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	5457.20	64.96	74.00	-9.04	57.20	6.60	34.22	33.06	167	246 Peak	VERTICAL
2	5457.60	51.98	54.00	-2.02	44.22	6.60	34.22	33.06	167	246 Average	VERTICAL
3	5462.40	67.86	74.00	-6.14	60.10	6.60	34.22	33.06	167	246 Peak	VERTICAL
4	5469.20	52.97	54.00	-1.03	45.18	6.60	34.25	33.06	167	246 Average	VERTICAL
5	5542.00	100.28			92.36	6.68	34.32	33.08	167	246 Average	VERTICAL
6	5544.80	111.59			103.67	6.68	34.32	33.08	167	246 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	5652.40	97.45			89.41	6.76	34.39	33.11	192	32 Average	VERTICAL
2	5652.40	108.71			100.67	6.76	34.39	33.11	192	32 Peak	VERTICAL
3	5725.00	52.73	54.00	-1.27	44.60	6.83	34.43	33.13	192	32 Average	VERTICAL
4	5738.40	69.66	74.00	-4.34	61.50	6.86	34.44	33.14	192	32 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 151

	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	5712.60	71.08	74.00	-2.92	62.96	6.83	34.42	33.13	205	33	Peak	VERTICAL
2	5715.00	52.90	54.00	-1.10	44.78	6.83	34.42	33.13	205	33	Average	VERTICAL
3	5725.00	73.57	78.20	-4.63	65.44	6.83	34.43	33.13	205	33	Peak	VERTICAL
4	5759.00	96.72			88.53	6.88	34.46	33.15	205	33	Average	VERTICAL
5	5760.20	108.46			100.27	6.88	34.46	33.15	205	33	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5706.60	62.93	74.00	-11.07	54.81	6.83	34.42	33.13	199	14	Peak	VERTICAL
2	5709.80	49.77	54.00	-4.23	41.65	6.83	34.42	33.13	199	14	Average	VERTICAL
3	5722.20	64.64	78.20	-13.56	56.51	6.83	34.43	33.13	199	14	Peak	VERTICAL
4	5807.40	108.99			100.74	6.92	34.49	33.16	199	14	Peak	VERTICAL
5	5808.20	97.46			89.21	6.92	34.49	33.16	199	14	Average	VERTICAL
6	5853.00	70.11	78.20	-8.09	61.82	6.95	34.51	33.17	199	14	Peak	VERTICAL
7	5860.00	52.92	54.00	-1.08	44.61	6.97	34.52	33.18	199	14	Average	VERTICAL
8	5863.00	70.09	74.00	-3.91	61.78	6.97	34.52	33.18	199	14	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5795 MHz.

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 42

	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	5139.00	52.74	54.00	-1.26	45.91	6.17	33.71	33.05	187	241	Average	VERTICAL
2	5142.00	65.13	74.00	-8.87	58.27	6.17	33.74	33.05	187	241	Peak	VERTICAL
3	5222.00	104.55			97.45	6.30	33.85	33.05	187	241	Peak	VERTICAL
4	5223.00	94.08			86.98	6.30	33.85	33.05	187	241	Average	VERTICAL
5	5351.00	60.55	74.00	-13.45	53.08	6.47	34.06	33.06	187	241	Peak	VERTICAL
6	5367.00	49.09	54.00	-4.91	41.59	6.47	34.09	33.06	187	241	Average	VERTICAL

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

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	5117.00	47.84	54.00	-6.16	41.06	6.14	33.69	33.05	181	242	Average	VERTICAL
2	5133.00	59.22	74.00	-14.78	52.39	6.17	33.71	33.05	181	242	Peak	VERTICAL
3	5300.00	103.68			96.36	6.40	33.98	33.06	181	242	Peak	VERTICAL
4	5302.00	93.29			85.97	6.40	33.98	33.06	181	242	Average	VERTICAL
5	5350.00	52.98	54.00	-1.02	45.51	6.47	34.06	33.06	181	242	Average	VERTICAL
6	5350.00	67.01	74.00	-6.99	59.54	6.47	34.06	33.06	181	242	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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	5456.00	64.70	74.00	-9.30	56.94	6.60	34.22	33.06	169	244	Peak	VERTICAL
2	5460.00	52.51	54.00	-1.49	44.75	6.60	34.22	33.06	169	244	Average	VERTICAL
3	5465.00	52.80	54.00	-1.20	45.01	6.60	34.25	33.06	169	244	Average	VERTICAL
4	5467.00	68.02	74.00	-5.98	60.23	6.60	34.25	33.06	169	244	Peak	VERTICAL
5	5540.00	103.46			95.54	6.68	34.32	33.08	169	244	Peak	VERTICAL
6	5542.00	93.41			85.49	6.68	34.32	33.08	169	244	Average	VERTICAL
7	5726.00	48.56	54.00	-5.44	40.43	6.83	34.43	33.13	169	244	Average	VERTICAL
8	5726.00	60.33	74.00	-13.67	52.20	6.83	34.43	33.13	169	244	Peak	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	5441.00	63.85	74.00	-10.15	56.16	6.56	34.19	33.06	181	244	Peak	VERTICAL
2	5458.00	52.00	54.00	-2.00	44.24	6.60	34.22	33.06	181	244	Average	VERTICAL
3	5461.00	67.49	74.00	-6.51	59.73	6.60	34.22	33.06	181	244	Peak	VERTICAL
4	5469.00	52.99	54.00	-1.01	45.20	6.60	34.25	33.06	181	244	Average	VERTICAL
5	5622.00	97.24			89.23	6.74	34.37	33.10	181	244	Average	VERTICAL
6	5623.00	107.30			99.29	6.74	34.37	33.10	181	244	Peak	VERTICAL
7	5738.00	52.09	54.00	-1.91	43.93	6.86	34.44	33.14	181	244	Average	VERTICAL
8	5740.00	64.06	74.00	-9.94	55.90	6.86	34.44	33.14	181	244	Peak	VERTICAL

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

Channel 155

	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	5705.00	52.64	54.00	-1.36	44.52	6.83	34.42	33.13	199	34	Average	VERTICAL
2	5710.00	66.41	74.00	-7.59	58.29	6.83	34.42	33.13	199	34	Peak	VERTICAL
3	5719.00	68.61	78.20	-9.59	60.48	6.83	34.43	33.13	199	34	Peak	VERTICAL
4	5763.00	93.21			85.02	6.88	34.46	33.15	199	34	Average	VERTICAL
5	5763.00	104.45			96.26	6.88	34.46	33.15	199	34	Peak	VERTICAL
6	5851.00	66.38	78.20	-11.82	58.09	6.95	34.51	33.17	199	34	Peak	VERTICAL
7	5860.00	52.41	54.00	-1.59	44.10	6.97	34.52	33.18	199	34	Average	VERTICAL
8	5869.00	69.04	74.00	-4.96	60.73	6.97	34.52	33.18	199	34	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5775 MHz.

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5721.80	105.07			96.94	6.83	34.43	33.13	185	347	Average	VERTICAL
2	5723.00	116.11			107.98	6.83	34.43	33.13	185	347	Peak	VERTICAL
3	5850.00	49.18	54.00	-4.82	40.89	6.95	34.51	33.17	185	347	Average	VERTICAL
4	5861.60	61.84	74.00	-12.16	53.53	6.97	34.52	33.18	185	347	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5705.80	112.96			104.84	6.83	34.42	33.13	200	359	Peak	VERTICAL
2	5706.40	102.33			94.21	6.83	34.42	33.13	200	359	Average	VERTICAL
3	5851.60	67.15	68.20	-1.05	58.86	6.95	34.51	33.17	200	359	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 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	5687.00	97.14			89.04	6.81	34.41	33.12	195	3	Average	VERTICAL
2	5694.00	107.51			99.41	6.81	34.41	33.12	195	3	Peak	VERTICAL
3	5850.00	66.98	68.20	-1.22	58.69	6.95	34.51	33.17	195	3	Peak	VERTICAL

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

4.8. Antenna Requirements

4.8.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.8.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100355	9kHz ~ 2.75GHz	Apr. 22, 2015	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 02, 2014	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 02, 2014	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	Dec. 03, 2014	Conduction (CO01-CB)
Software	Audix	E3	5.410e	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	22021	20MHz ~ 2GHz	May 06, 2015	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 12, 2015*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 28, 2014	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2014	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Feb. 24, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 12, 2015	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Nov. 25, 2014	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 06, 2014	Radiation (03CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8.4GHz	Jan. 21, 2015	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESR26	101289	9kHz ~ 26GHz	Aug. 22, 2014	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100979	9kHz~40GHz	Dec. 12, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz ~ 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz ~ 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz ~ 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz ~ 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 03, 2014	Conducted (TH01-CB)



Note: Calibration Interval of instruments listed above is one year.

“*” Calibration Interval of instruments listed above is two years.

NCR means Non-Calibration required.

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%