

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10610.88	57.93	74.00	-16.07	41.48	11.67	38.40	33.62	208	147 Peak	HORIZONTAL
2	10620.14	45.35	54.00	-8.65	28.90	11.67	38.40	33.62	208	147 Average	HORIZONTAL
3	15923.75	47.71	54.00	-6.29	29.79	14.49	37.51	34.08	188	136 Average	HORIZONTAL
4	15928.64	61.13	74.00	-12.87	43.21	14.49	37.51	34.08	188	136 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10619.80	57.80	74.00	-16.20	41.35	11.67	38.40	33.62	215	138 Peak	VERTICAL
2	10624.25	45.24	54.00	-8.76	28.79	11.67	38.40	33.62	215	138 Average	VERTICAL
3	15924.53	60.46	74.00	-13.54	42.54	14.49	37.51	34.08	208	144 Peak	VERTICAL
4	15929.77	47.93	54.00	-6.07	30.01	14.49	37.51	34.08	208	144 Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	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	11012.45	45.55	54.00	-8.45	28.27	12.24	38.42	33.38	182	133	Average	HORIZONTAL
2	11013.55	58.34	74.00	-15.66	41.06	12.24	38.42	33.38	182	133	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11010.77	45.57	54.00	-8.43	28.29	12.24	38.42	33.38	188	136	Average
2	11010.97	57.71	74.00	-16.29	40.43	12.24	38.42	33.38	188	136	Peak

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	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	11092.74	46.06	54.00	-7.94	28.60	12.34	38.50	33.38	210	161	Average
2	11104.92	59.12	74.00	-14.88	41.61	12.39	38.50	33.38	210	161	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11090.28	45.90	54.00	-8.10	28.44	12.34	38.50	33.38	196	150	Average	VERTICAL
2	11097.83	58.72	74.00	-15.28	41.26	12.34	38.50	33.38	196	150	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	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	11331.63	60.32	74.00	-13.68	42.26	12.70	38.73	33.37	201	154 Peak	HORIZONTAL
2	11333.86	47.03	54.00	-6.97	28.97	12.70	38.73	33.37	201	154 Average	HORIZONTAL

Vertical

	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	11336.90	47.04	54.00	-6.96	28.98	12.70	38.73	33.37	209	160 Average	VERTICAL
2	11336.93	60.45	74.00	-13.55	42.39	12.70	38.73	33.37	209	160 Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	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	15870.96	48.29	54.00	-5.71	30.26	14.47	37.59	34.03	204	157	Average	HORIZONTAL
2	15874.03	61.70	74.00	-12.30	43.67	14.47	37.59	34.03	204	157	Peak	HORIZONTAL

Vertical

	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	15867.98	48.30	54.00	-5.70	30.27	14.47	37.59	34.03	219	169	Average
2	15870.87	61.75	74.00	-12.25	43.72	14.47	37.59	34.03	219	169	Peak

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	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	11060.08	45.85	54.00	-8.15	28.47	12.29	38.47	33.38	197	154	Average	HORIZONTAL
2	11062.27	59.55	74.00	-14.45	42.17	12.29	38.47	33.38	197	154	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11056.17	59.01	74.00	-14.99	41.63	12.29	38.47	33.38	228	131	Peak	VERTICAL
2	11061.01	45.88	54.00	-8.12	28.50	12.29	38.47	33.38	228	131	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	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	11218.74	46.51	54.00	-7.49	28.72	12.55	38.62	33.38	235	112	Average	HORIZONTAL
2	11222.48	60.08	74.00	-13.92	42.29	12.55	38.62	33.38	235	112	Peak	HORIZONTAL

Vertical

	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	11218.19	46.55	54.00	-7.45	28.76	12.55	38.62	33.38	245	122	Average	VERTICAL
2	11219.23	59.64	74.00	-14.36	41.85	12.55	38.62	33.38	245	122	Peak	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	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	11436.64	46.67	54.00	-7.33	28.35	12.86	38.83	33.37	184	132	Average	HORIZONTAL
2	11445.21	59.44	74.00	-14.56	41.12	12.86	38.83	33.37	184	132	Peak	HORIZONTAL

Vertical

	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	11435.57	46.80	54.00	-7.20	28.48	12.86	38.83	33.37	190	141	Average	VERTICAL
2	11435.57	58.72	74.00	-15.28	40.40	12.86	38.83	33.37	190	141	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	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	11430.36	46.64	54.00	-7.36	28.37	12.81	38.83	33.37	213	83	Average	HORIZONTAL
2	11436.27	59.60	74.00	-14.40	41.28	12.86	38.83	33.37	213	83	Peak	HORIZONTAL

Vertical

	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	11431.90	46.60	54.00	-7.40	28.33	12.81	38.83	33.37	193	117	Average	VERTICAL
2	11447.79	59.42	74.00	-14.58	41.08	12.86	38.85	33.37	193	117	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	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	11410.36	48.22	54.00	-5.78	29.98	12.81	38.80	33.37	180	174	Average	HORIZONTAL
2	11418.90	60.01	74.00	-13.99	41.75	12.81	38.82	33.37	180	174	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11424.37	46.92	54.00	-7.08	28.66	12.81	38.82	33.37	201	183	Average	VERTICAL
2	11428.74	59.95	74.00	-14.05	41.69	12.81	38.82	33.37	201	183	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	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	11382.08	46.97	54.00	-7.03	28.81	12.75	38.78	33.37	227	101	Average	HORIZONTAL
2	11383.72	60.18	74.00	-13.82	42.02	12.75	38.78	33.37	227	101	Peak	HORIZONTAL

Vertical

	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	11375.05	46.27	54.00	-7.73	28.12	12.75	38.77	33.37	220	94	Average	VERTICAL
2	11376.52	59.79	74.00	-14.21	41.64	12.75	38.77	33.37	220	94	Peak	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

4.7. Band Edge Emissions Measurement

4.7.1. Limit

For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.470-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

In addition, In case the emission fall within the restricted band specified on 2.7, then the 2.8 limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.7.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RBW / VBW (Emission in restricted band)	1 MHz / 3MHz for Peak, 1 MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1 MHz / 3MHz for Peak

4.7.3. Test Procedures

1. The test procedure is the same as section 4.6.3.

4.7.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.6.4.

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

For Non-Beamforming Mode

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5252.76	101.86			93.67	7.35	33.90	33.06	202	318	Average	VERTICAL
2	5261.74	112.03			103.82	7.34	33.93	33.06	202	318	Peak	VERTICAL
3	5350.00	48.69	54.00	-5.31	40.39	7.30	34.06	33.06	202	318	Average	VERTICAL
4	5350.29	59.75	74.00	-14.25	51.45	7.30	34.06	33.06	202	318	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.84	103.27			95.02	7.33	33.98	33.06	202	317	Average	VERTICAL
2	5298.26	113.11			104.87	7.32	33.98	33.06	202	317	Peak	VERTICAL
3	5350.00	48.47	54.00	-5.53	40.17	7.30	34.06	33.06	202	317	Average	VERTICAL
4	5350.22	60.85	74.00	-13.15	52.55	7.30	34.06	33.06	202	317	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.63	101.22			92.95	7.32	34.01	33.06	202	307	Average	VERTICAL
2	5317.97	113.05			104.78	7.32	34.01	33.06	202	307	Peak	VERTICAL
3	5350.00	51.94	54.00	-2.06	43.64	7.30	34.06	33.06	202	307	Average	VERTICAL
4	5350.43	69.53	74.00	-4.47	61.23	7.30	34.06	33.06	202	307	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 100

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.57	61.69	74.00	-12.31	53.15	7.38	34.22	33.06	202	308	Peak	VERTICAL
2	5460.00	48.50	54.00	-5.50	39.96	7.38	34.22	33.06	202	308	Average	VERTICAL
3	5469.71	68.76	74.00	-5.24	60.16	7.41	34.25	33.06	202	308	Peak	VERTICAL
4	5470.00	51.79	54.00	-2.21	43.19	7.41	34.25	33.06	202	308	Average	VERTICAL
5	5493.49	102.16			93.51	7.44	34.27	33.06	202	308	Average	VERTICAL
6	5497.97	114.34			105.66	7.44	34.30	33.06	202	308	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	5426.44	49.91	54.00	-4.09	41.49	7.31	34.17	33.06	202	319	Average	VERTICAL
2	5426.95	60.59	74.00	-13.41	52.17	7.31	34.17	33.06	202	319	Peak	VERTICAL
3	5468.99	58.06	74.00	-15.94	49.49	7.38	34.25	33.06	202	319	Peak	VERTICAL
4	5470.00	47.91	54.00	-6.09	39.31	7.41	34.25	33.06	202	319	Average	VERTICAL
5	5586.08	112.52			103.65	7.61	34.35	33.09	202	319	Peak	VERTICAL
6	5586.58	103.01			94.14	7.61	34.35	33.09	202	319	Average	VERTICAL
7	5733.61	48.27	54.00	-5.73	39.61	7.37	34.43	33.14	202	319	Average	VERTICAL
8	5735.64	61.13	74.00	-12.87	52.46	7.37	34.44	33.14	202	319	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.83	109.23			100.50	7.44	34.41	33.12	202	341	Peak	VERTICAL
2	5701.16	97.20			88.46	7.44	34.42	33.12	202	341	Average	VERTICAL
3	5725.00	52.98	54.00	-1.02	44.27	7.41	34.43	33.13	202	341	Average	VERTICAL
4	5725.43	69.00	74.00	-5.00	60.29	7.41	34.43	33.13	202	341	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

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	5252.19	110.93			102.74	7.35	33.90	33.06	202	312 Peak	VERTICAL
2	5261.74	101.54			93.33	7.34	33.93	33.06	202	312 Average	VERTICAL
3	5350.00	47.07	54.00	-6.93	38.77	7.30	34.06	33.06	202	312 Average	VERTICAL
4	5350.29	58.17	74.00	-15.83	49.87	7.30	34.06	33.06	202	312 Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5292.84	112.39			104.14	7.33	33.98	33.06	202	317 Peak	VERTICAL
2	5293.49	101.67			93.43	7.32	33.98	33.06	202	317 Average	VERTICAL
3	5350.00	47.67	54.00	-6.33	39.37	7.30	34.06	33.06	202	317 Average	VERTICAL
4	5350.00	61.43	74.00	-12.57	53.13	7.30	34.06	33.06	202	317 Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5312.76	111.80			103.53	7.32	34.01	33.06	202	307 Peak	VERTICAL
2	5313.34	100.48			92.21	7.32	34.01	33.06	202	307 Average	VERTICAL
3	5350.00	52.81	54.00	-1.19	44.51	7.30	34.06	33.06	202	307 Average	VERTICAL
4	5350.87	70.62	74.00	-3.38	62.32	7.30	34.06	33.06	202	307 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5458.70	60.85	74.00	-13.15	52.31	7.38	34.22	33.06	202	307 Peak	VERTICAL
2	5460.00	48.69	54.00	-5.31	40.15	7.38	34.22	33.06	202	307 Average	VERTICAL
3	5469.28	68.36	74.00	-5.64	59.79	7.38	34.25	33.06	202	307 Peak	VERTICAL
4	5470.00	52.54	54.00	-1.46	43.94	7.41	34.25	33.06	202	307 Average	VERTICAL
5	5494.50	102.52			93.87	7.44	34.27	33.06	202	307 Average	VERTICAL
6	5497.11	113.33			104.65	7.44	34.30	33.06	202	307 Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5427.08	61.14	74.00	-12.86	52.72	7.31	34.17	33.06	202	316 Peak	VERTICAL
2	5428.60	49.69	54.00	-4.31	41.25	7.31	34.19	33.06	202	316 Average	VERTICAL
3	5470.00	47.89	54.00	-6.11	39.29	7.41	34.25	33.06	202	316 Average	VERTICAL
4	5470.00	59.19	74.00	-14.81	50.59	7.41	34.25	33.06	202	316 Peak	VERTICAL
5	5586.58	103.14			94.27	7.61	34.35	33.09	202	316 Average	VERTICAL
6	5587.09	113.12			104.25	7.61	34.35	33.09	202	316 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	dB	dB/m	dB	cm	deg	
1	5693.20	108.70			99.97	7.44	34.41	33.12	202	313 Peak	VERTICAL
2	5693.49	97.61			88.88	7.44	34.41	33.12	202	313 Average	VERTICAL
3	5725.00	52.57	54.00	-1.43	43.86	7.41	34.43	33.13	202	313 Average	VERTICAL
4	5728.62	66.95	74.00	-7.05	58.28	7.37	34.43	33.13	202	313 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

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	5254.95	97.97			89.78	7.35	33.90	33.06	202	320 Average	VERTICAL
2	5260.74	109.93			101.72	7.34	33.93	33.06	202	320 Peak	VERTICAL
3	5350.00	48.15	54.00	-5.85	39.85	7.30	34.06	33.06	202	320 Average	VERTICAL
4	5351.16	62.20	74.00	-11.80	53.90	7.30	34.06	33.06	202	320 Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5294.95	94.69			86.45	7.32	33.98	33.06	202	318 Average	VERTICAL
2	5299.29	104.87			96.63	7.32	33.98	33.06	202	318 Peak	VERTICAL
3	5350.00	52.41	54.00	-1.59	44.11	7.30	34.06	33.06	202	318 Average	VERTICAL
4	5352.03	66.32	74.00	-7.68	58.02	7.30	34.06	33.06	202	318 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 102

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.79	60.62	74.00	-13.38	52.08	7.38	34.22	33.06	202	311	Peak	VERTICAL
2	5458.26	49.18	54.00	-4.82	40.64	7.38	34.22	33.06	202	311	Average	VERTICAL
3	5469.71	71.59	74.00	-2.41	62.99	7.41	34.25	33.06	202	311	Peak	VERTICAL
4	5470.00	52.40	54.00	-1.60	43.80	7.41	34.25	33.06	202	311	Average	VERTICAL
5	5519.26	110.42			101.70	7.48	34.31	33.07	202	311	Peak	VERTICAL
6	5522.74	98.46			89.74	7.48	34.31	33.07	202	311	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	5459.13	63.98	74.00	-10.02	55.44	7.38	34.22	33.06	202	312	Peak	VERTICAL
2	5460.00	49.35	54.00	-4.65	40.81	7.38	34.22	33.06	202	312	Average	VERTICAL
3	5468.84	64.31	74.00	-9.69	55.74	7.38	34.25	33.06	202	312	Peak	VERTICAL
4	5470.00	50.97	54.00	-3.03	42.37	7.41	34.25	33.06	202	312	Average	VERTICAL
5	5545.95	113.33			104.55	7.54	34.32	33.08	202	312	Peak	VERTICAL
6	5553.76	102.10			93.31	7.54	34.33	33.08	202	312	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	5652.63	96.35			87.55	7.52	34.39	33.11	202	312	Average	VERTICAL
2	5653.07	106.86			98.06	7.52	34.39	33.11	202	312	Peak	VERTICAL
3	5725.00	52.36	54.00	-1.64	43.65	7.41	34.43	33.13	202	312	Average	VERTICAL
4	5726.30	67.37	74.00	-6.63	58.66	7.41	34.43	33.13	202	312	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5261.35	89.18			80.97	7.34	33.93	33.06	202	315	Average	VERTICAL
2	5300.71	102.69			94.45	7.32	33.98	33.06	202	315	Peak	VERTICAL
3	5350.00	52.44	54.00	-1.56	44.14	7.30	34.06	33.06	202	315	Average	VERTICAL
4	5350.87	66.69	74.00	-7.31	58.39	7.30	34.06	33.06	202	315	Peak	VERTICAL

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

Channel 106

	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	5437.42	67.60	74.00	-6.40	59.12	7.35	34.19	33.06	202	314	Peak	VERTICAL
2	5460.00	51.38	54.00	-2.62	42.84	7.38	34.22	33.06	202	314	Average	VERTICAL
3	5468.26	64.92	74.00	-9.08	56.35	7.38	34.25	33.06	202	314	Peak	VERTICAL
4	5470.00	52.99	54.00	-1.01	44.39	7.41	34.25	33.06	202	314	Average	VERTICAL
5	5518.71	94.06			85.34	7.48	34.31	33.07	202	314	Average	VERTICAL
6	5555.62	106.76			97.97	7.54	34.33	33.08	202	314	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5581.64	106.22			97.35	7.61	34.35	33.09	202	315	Peak	VERTICAL
2	5599.00	95.05			86.14	7.64	34.36	33.09	202	315	Average	VERTICAL
3	5728.47	67.48	74.00	-6.52	58.81	7.37	34.43	33.13	202	315	Peak	VERTICAL
4	5733.68	52.44	54.00	-1.56	43.78	7.37	34.43	33.14	202	315	Average	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5723.62	109.41			100.70	7.41	34.43	33.13	213	224	Peak	VERTICAL
2	5727.24	100.10			91.43	7.37	34.43	33.13	213	224	Average	VERTICAL
3	5870.98	62.16	68.20	-6.04	53.17	7.64	34.53	33.18	213	224	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.89	108.67			99.96	7.41	34.43	33.13	221	227	Peak	VERTICAL
2	5726.51	99.75			91.08	7.37	34.43	33.13	221	227	Average	VERTICAL
3	5881.11	62.14	68.20	-6.06	53.05	7.74	34.53	33.18	221	227	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5721.58	106.89			98.18	7.41	34.43	33.13	221	227 Peak	VERTICAL
2	5723.75	96.93			88.22	7.41	34.43	33.13	221	227 Average	VERTICAL
3	5870.26	61.68	68.20	-6.52	52.70	7.64	34.52	33.18	221	227 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.33	102.88			94.18	7.41	34.42	33.13	229	200	Peak	VERTICAL
2	5718.94	93.04			84.33	7.41	34.43	33.13	229	200	Average	VERTICAL
3	5855.79	62.52	68.20	-5.68	53.63	7.54	34.52	33.17	229	200	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.03	107.23			99.02	7.34	33.93	33.06	202	195	Average	VERTICAL
2	5262.32	118.32			110.11	7.34	33.93	33.06	202	195	Peak	VERTICAL
3	5350.00	48.39	54.00	-5.61	40.09	7.30	34.06	33.06	202	195	Average	VERTICAL
4	5351.74	59.58	74.00	-14.42	51.28	7.30	34.06	33.06	202	195	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5301.95	106.90			98.66	7.32	33.98	33.06	202	198	Average	VERTICAL
2	5302.17	117.46			109.22	7.32	33.98	33.06	202	198	Peak	VERTICAL
3	5350.00	49.21	54.00	-4.79	40.91	7.30	34.06	33.06	202	198	Average	VERTICAL
4	5351.74	61.83	74.00	-12.17	53.53	7.30	34.06	33.06	202	198	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.47	107.43			99.16	7.32	34.01	33.06	202	224	Average	VERTICAL
2	5322.46	118.74			110.47	7.32	34.01	33.06	202	224	Peak	VERTICAL
3	5352.75	52.80	54.00	-1.20	44.50	7.30	34.06	33.06	202	224	Average	VERTICAL
4	5353.62	69.56	74.00	-4.44	61.26	7.30	34.06	33.06	202	224	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 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	5453.63	50.52	54.00	-3.48	41.98	7.38	34.22	33.06	202	226	Average	VERTICAL
2	5453.78	63.31	74.00	-10.69	54.77	7.38	34.22	33.06	202	226	Peak	VERTICAL
3	5463.49	50.72	54.00	-3.28	42.15	7.38	34.25	33.06	202	226	Average	VERTICAL
4	5464.65	67.77	74.00	-6.23	59.20	7.38	34.25	33.06	202	226	Peak	VERTICAL
5	5493.20	107.23			98.58	7.44	34.27	33.06	202	226	Average	VERTICAL
6	5502.75	118.02			109.35	7.44	34.30	33.07	202	226	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	5582.53	107.78			98.91	7.61	34.35	33.09	202	193	Average	VERTICAL
2	5582.53	117.15			108.28	7.61	34.35	33.09	202	193	Peak	VERTICAL
3	5732.60	51.15	54.00	-2.85	42.49	7.37	34.43	33.14	202	193	Average	VERTICAL
4	5742.22	62.39	74.00	-11.61	53.72	7.37	34.44	33.14	202	193	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.62	103.27			94.54	7.44	34.41	33.12	202	220	Average	VERTICAL
2	5702.46	114.47			105.73	7.44	34.42	33.12	202	220	Peak	VERTICAL
3	5724.86	52.60	54.00	-1.40	43.89	7.41	34.43	33.13	202	220	Average	VERTICAL
4	5732.67	70.32	74.00	-3.68	61.66	7.37	34.43	33.14	202	220	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5257.97	113.48			105.29	7.35	33.90	33.06	202	221	Peak	VERTICAL
2	5258.55	102.91			94.69	7.35	33.93	33.06	202	221	Average	VERTICAL
3	5350.00	47.87	54.00	-6.13	39.57	7.30	34.06	33.06	202	221	Average	VERTICAL
4	5350.00	59.97	74.00	-14.03	51.67	7.30	34.06	33.06	202	221	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5293.27	102.95			94.71	7.32	33.98	33.06	202	223	Average	VERTICAL
2	5296.09	113.79			105.55	7.32	33.98	33.06	202	223	Peak	VERTICAL
3	5350.00	48.04	54.00	-5.96	39.74	7.30	34.06	33.06	202	223	Average	VERTICAL
4	5357.81	60.38	74.00	-13.62	52.08	7.30	34.06	33.06	202	223	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	5326.51	113.36			105.07	7.32	34.03	33.06	202	222	Peak	VERTICAL
2	5328.39	103.03			94.75	7.31	34.03	33.06	202	222	Average	VERTICAL
3	5350.87	51.09	54.00	-2.91	42.79	7.30	34.06	33.06	202	222	Average	VERTICAL
4	5351.45	65.54	74.00	-8.46	57.24	7.30	34.06	33.06	202	222	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.71	62.17	74.00	-11.83	53.63	7.38	34.22	33.06	202	168	Peak	VERTICAL
2	5460.00	50.40	54.00	-3.60	41.86	7.38	34.22	33.06	202	168	Average	VERTICAL
3	5467.97	70.13	74.00	-3.87	61.56	7.38	34.25	33.06	202	168	Peak	VERTICAL
4	5470.00	52.87	54.00	-1.13	44.27	7.41	34.25	33.06	202	168	Average	VERTICAL
5	5507.81	104.81			96.10	7.48	34.30	33.07	202	168	Average	VERTICAL
6	5508.10	115.52			106.81	7.48	34.30	33.07	202	168	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5581.01	114.55			105.69	7.61	34.34	33.09	202	193	Peak	VERTICAL
2	5588.10	105.10			96.23	7.61	34.35	33.09	202	193	Average	VERTICAL
3	5733.61	49.72	54.00	-4.28	41.06	7.37	34.43	33.14	202	193	Average	VERTICAL
4	5744.25	62.18	74.00	-11.82	53.51	7.37	34.44	33.14	202	193	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.96	112.15			103.42	7.44	34.41	33.12	202	182	Peak	VERTICAL
2	5699.13	100.60			91.87	7.44	34.41	33.12	202	182	Average	VERTICAL
3	5725.00	69.59	74.00	-4.41	60.88	7.41	34.43	33.13	202	182	Peak	VERTICAL
4	5726.45	52.90	54.00	-1.10	44.23	7.37	34.43	33.13	202	182	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5273.18	99.70			91.49	7.34	33.93	33.06	202	190 Average	VERTICAL
2	5273.47	110.08			101.87	7.34	33.93	33.06	202	190 Peak	VERTICAL
3	5350.00	48.13	54.00	-5.87	39.83	7.30	34.06	33.06	202	190 Average	VERTICAL
4	5350.00	60.44	74.00	-13.56	52.14	7.30	34.06	33.06	202	190 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	5313.26	107.07			98.80	7.32	34.01	33.06	202	194 Peak	VERTICAL
2	5315.64	95.94			87.67	7.32	34.01	33.06	202	194 Average	VERTICAL
3	5350.22	52.82	54.00	-1.18	44.52	7.30	34.06	33.06	202	194 Average	VERTICAL
4	5352.39	66.01	74.00	-7.99	57.71	7.30	34.06	33.06	202	194 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5459.71	49.57	54.00	-4.43	41.03	7.38	34.22	33.06	202	233	Average	VERTICAL
2	5459.71	61.75	74.00	-12.25	53.21	7.38	34.22	33.06	202	233	Peak	VERTICAL
3	5467.40	72.34	74.00	-1.66	63.77	7.38	34.25	33.06	202	233	Peak	VERTICAL
4	5470.00	52.47	54.00	-1.53	43.87	7.41	34.25	33.06	202	233	Average	VERTICAL
5	5514.92	110.27			101.55	7.48	34.31	33.07	202	233	Peak	VERTICAL
6	5515.21	99.35			90.63	7.48	34.31	33.07	202	233	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5449.00	62.47	74.00	-11.53	53.96	7.35	34.22	33.06	202	197	Peak	VERTICAL
2	5457.68	49.78	54.00	-4.22	41.24	7.38	34.22	33.06	202	197	Average	VERTICAL
3	5469.42	62.48	74.00	-11.52	53.91	7.38	34.25	33.06	202	197	Peak	VERTICAL
4	5470.00	49.52	54.00	-4.48	40.92	7.41	34.25	33.06	202	197	Average	VERTICAL
5	5535.53	102.92			94.17	7.51	34.32	33.08	202	197	Average	VERTICAL
6	5537.84	112.63			103.88	7.51	34.32	33.08	202	197	Peak	VERTICAL
7	5726.16	60.66	74.00	-13.34	51.95	7.41	34.43	33.13	202	197	Peak	VERTICAL
8	5727.89	49.17	54.00	-4.83	40.50	7.37	34.43	33.13	202	197	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	Loss	Factor	Factor	cm	deg		
1	5680.71	108.31			99.55	7.48	34.40	33.12	202	224	Peak	VERTICAL
2	5685.34	96.95			88.18	7.48	34.41	33.12	202	224	Average	VERTICAL
3	5725.58	52.25	54.00	-1.75	43.54	7.41	34.43	33.13	202	224	Average	VERTICAL
4	5725.58	66.36	74.00	-7.64	57.65	7.41	34.43	33.13	202	224	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5278.28	103.99			95.77	7.33	33.95	33.06	202	222	Peak	VERTICAL
2	5285.66	92.29			84.07	7.33	33.95	33.06	202	222	Average	VERTICAL
3	5350.87	52.64	54.00	-1.36	44.34	7.30	34.06	33.06	202	222	Average	VERTICAL
4	5351.74	63.89	74.00	-10.11	55.59	7.30	34.06	33.06	202	222	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.24	64.90	74.00	-9.10	56.36	7.38	34.22	33.06	202	223	Peak	VERTICAL
2	5457.97	52.60	54.00	-1.40	44.06	7.38	34.22	33.06	202	223	Average	VERTICAL
3	5460.58	52.47	54.00	-1.53	43.93	7.38	34.22	33.06	202	223	Average	VERTICAL
4	5463.63	68.10	74.00	-5.90	59.53	7.38	34.25	33.06	202	223	Peak	VERTICAL
5	5543.02	96.64			87.86	7.54	34.32	33.08	202	223	Average	VERTICAL
6	5555.18	107.25			98.46	7.54	34.33	33.08	202	223	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5585.25	96.18			87.31	7.61	34.35	33.09	202	225	Average	VERTICAL
2	5585.69	106.80			97.93	7.61	34.35	33.09	202	225	Peak	VERTICAL
3	5725.43	52.90	54.00	-1.10	44.19	7.41	34.43	33.13	202	225	Average	VERTICAL
4	5727.17	66.35	74.00	-7.65	57.68	7.37	34.43	33.13	202	225	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5716.38	104.85			96.15	7.41	34.42	33.13	229	191	Average	VERTICAL
2	5716.38	113.87			105.17	7.41	34.42	33.13	229	191	Peak	VERTICAL
3	5876.05	62.50	68.20	-5.70	53.51	7.64	34.53	33.18	229	191	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.76	103.37			94.67	7.41	34.42	33.13	220	193	Average	VERTICAL
2	5715.66	113.30			104.60	7.41	34.42	33.13	220	193	Peak	VERTICAL
3	5855.79	61.65	68.20	-6.55	52.76	7.54	34.52	33.17	220	193	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.62	109.05			100.35	7.41	34.42	33.13	226	191	Peak	VERTICAL
2	5715.79	99.90			91.20	7.41	34.42	33.13	226	191	Average	VERTICAL
3	5853.62	61.71	68.20	-6.49	52.82	7.54	34.52	33.17	226	191	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5679.15	107.44			98.68	7.48	34.40	33.12	222	192	Peak	VERTICAL
2	5718.22	96.44			87.73	7.41	34.43	33.13	222	192	Average	VERTICAL
3	5863.02	63.63	68.20	-4.57	54.65	7.64	34.52	33.18	222	192	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5262.03	117.55			109.34	7.34	33.93	33.06	202	226 Peak	VERTICAL
2	5262.60	107.49			99.28	7.34	33.93	33.06	202	226 Average	VERTICAL
3	5350.00	48.37	54.00	-5.63	40.07	7.30	34.06	33.06	202	226 Average	VERTICAL
4	5350.87	59.91	74.00	-14.09	51.61	7.30	34.06	33.06	202	226 Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5295.01	117.73			109.49	7.32	33.98	33.06	202	319 Peak	VERTICAL
2	5304.99	107.46			99.22	7.32	33.98	33.06	202	319 Average	VERTICAL
3	5350.00	49.28	54.00	-4.72	40.98	7.30	34.06	33.06	202	319 Average	VERTICAL
4	5354.99	62.86	74.00	-11.14	54.56	7.30	34.06	33.06	202	319 Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5314.79	107.21			98.94	7.32	34.01	33.06	202	320 Average	VERTICAL
2	5314.93	117.45			109.18	7.32	34.01	33.06	202	320 Peak	VERTICAL
3	5354.92	51.48	54.00	-2.52	43.18	7.30	34.06	33.06	202	320 Average	VERTICAL
4	5355.07	65.40	74.00	-8.60	57.10	7.30	34.06	33.06	202	320 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 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	5460.00	50.61	54.00	-3.39	42.07	7.38	34.22	33.06	202	311	Average	VERTICAL
2	5460.00	63.95	74.00	-10.05	55.41	7.38	34.22	33.06	202	311	Peak	VERTICAL
3	5469.42	70.20	74.00	-3.80	61.63	7.38	34.25	33.06	202	311	Peak	VERTICAL
4	5470.00	52.34	54.00	-1.66	43.74	7.41	34.25	33.06	202	311	Average	VERTICAL
5	5499.28	116.96			108.28	7.44	34.30	33.06	202	311	Peak	VERTICAL
6	5499.42	105.83			97.15	7.44	34.30	33.06	202	311	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5579.49	108.83			99.97	7.61	34.34	33.09	202	309	Average	VERTICAL
2	5579.49	118.70			109.84	7.61	34.34	33.09	202	309	Peak	VERTICAL
3	5740.70	52.02	54.00	-1.98	43.35	7.37	34.44	33.14	202	309	Average	VERTICAL
4	5741.21	63.28	74.00	-10.72	54.61	7.37	34.44	33.14	202	309	Peak	VERTICAL

Item 1, 2 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	5699.42	115.61			106.88	7.44	34.41	33.12	202	309	Peak	VERTICAL
2	5700.58	104.58			95.84	7.44	34.42	33.12	202	309	Average	VERTICAL
3	5729.49	52.77	54.00	-1.23	44.10	7.37	34.43	33.13	202	309	Average	VERTICAL
4	5731.22	71.35	74.00	-2.65	62.69	7.37	34.43	33.14	202	309	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5266.66	106.37			98.16	7.34	33.93	33.06	202	214	Average	VERTICAL
2	5266.66	117.52			109.31	7.34	33.93	33.06	202	214	Peak	VERTICAL
3	5350.00	48.42	54.00	-5.58	40.12	7.30	34.06	33.06	202	214	Average	VERTICAL
4	5355.21	61.76	74.00	-12.24	53.46	7.30	34.06	33.06	202	214	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.17	116.82			108.58	7.32	33.98	33.06	202	195	Peak	VERTICAL
2	5308.25	105.99			97.75	7.32	33.98	33.06	202	195	Average	VERTICAL
3	5351.30	49.46	54.00	-4.54	41.16	7.30	34.06	33.06	202	195	Average	VERTICAL
4	5353.04	62.60	74.00	-11.40	54.30	7.30	34.06	33.06	202	195	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.05	116.79			108.52	7.32	34.01	33.06	202	225	Peak	VERTICAL
2	5313.34	106.31			98.04	7.32	34.01	33.06	202	225	Average	VERTICAL
3	5353.18	52.31	54.00	-1.69	44.01	7.30	34.06	33.06	202	225	Average	VERTICAL
4	5353.33	64.25	74.00	-9.75	55.95	7.30	34.06	33.06	202	225	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5457.83	50.93	54.00	-3.07	42.39	7.38	34.22	33.06	202	226 Average	VERTICAL
2	5457.83	62.78	74.00	-11.22	54.24	7.38	34.22	33.06	202	226 Peak	VERTICAL
3	5467.54	67.04	74.00	-6.96	58.47	7.38	34.25	33.06	202	226 Peak	VERTICAL
4	5468.26	52.25	54.00	-1.75	43.68	7.38	34.25	33.06	202	226 Average	VERTICAL
5	5493.05	107.51			98.86	7.44	34.27	33.06	202	226 Average	VERTICAL
6	5493.20	118.19			109.54	7.44	34.27	33.06	202	226 Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5583.55	117.45			108.58	7.61	34.35	33.09	202	226 Peak	VERTICAL
2	5588.10	108.36			99.49	7.61	34.35	33.09	202	226 Average	VERTICAL
3	5733.10	51.49	54.00	-2.51	42.83	7.37	34.43	33.14	202	226 Average	VERTICAL
4	5733.61	67.60	74.00	-6.40	58.94	7.37	34.43	33.14	202	226 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5703.04	114.47			105.73	7.44	34.42	33.12	202	227 Peak	VERTICAL
2	5707.81	103.56			94.86	7.41	34.42	33.13	202	227 Average	VERTICAL
3	5728.04	52.98	54.00	-1.02	44.31	7.37	34.43	33.13	202	227 Average	VERTICAL
4	5728.62	67.92	74.00	-6.08	59.25	7.37	34.43	33.13	202	227 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5263.34	103.39			95.18	7.34	33.93	33.06	202	227 Average	VERTICAL
2	5268.55	114.43			106.22	7.34	33.93	33.06	202	227 Peak	VERTICAL
3	5353.18	49.52	54.00	-4.48	41.22	7.30	34.06	33.06	202	227 Average	VERTICAL
4	5353.47	63.00	74.00	-11.00	54.70	7.30	34.06	33.06	202	227 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	5323.31	97.79			89.52	7.32	34.01	33.06	202	226 Average	VERTICAL
2	5323.89	108.76			100.49	7.32	34.01	33.06	202	226 Peak	VERTICAL
3	5353.33	52.40	54.00	-1.60	44.10	7.30	34.06	33.06	202	226 Average	VERTICAL
4	5353.47	67.92	74.00	-6.08	59.62	7.30	34.06	33.06	202	226 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 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	5457.61	61.76	74.00	-12.24	53.22	7.38	34.22	33.06	202	226 Peak	VERTICAL
2	5458.05	51.94	54.00	-2.06	43.40	7.38	34.22	33.06	202	226 Average	VERTICAL
3	5467.61	52.43	54.00	-1.57	43.86	7.38	34.25	33.06	202	226 Average	VERTICAL
4	5467.83	72.24	74.00	-1.76	63.67	7.38	34.25	33.06	202	226 Peak	VERTICAL
5	5498.28	113.97			105.29	7.44	34.30	33.06	202	226 Peak	VERTICAL
6	5527.80	103.00			94.26	7.51	34.31	33.08	202	226 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	5456.96	62.65	74.00	-11.35	54.11	7.38	34.22	33.06	202	225 Peak	VERTICAL
2	5457.83	51.60	54.00	-2.40	43.06	7.38	34.22	33.06	202	225 Average	VERTICAL
3	5467.83	51.20	54.00	-2.80	42.63	7.38	34.25	33.06	202	225 Average	VERTICAL
4	5468.70	64.90	74.00	-9.10	56.33	7.38	34.25	33.06	202	225 Peak	VERTICAL
5	5538.28	117.23			108.48	7.51	34.32	33.08	202	225 Peak	VERTICAL
6	5543.05	107.23			98.45	7.54	34.32	33.08	202	225 Average	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5682.45	111.23			102.47	7.48	34.40	33.12	202	228 Peak	VERTICAL
2	5682.74	101.16			92.40	7.48	34.40	33.12	202	228 Average	VERTICAL
3	5727.89	52.93	54.00	-1.07	44.26	7.37	34.43	33.13	202	228 Average	VERTICAL
4	5743.23	68.14	74.00	-5.86	59.47	7.37	34.44	33.14	202	228 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5273.50	93.28			85.07	7.34	33.93	33.06	204	226 Average	VERTICAL
2	5318.65	105.54			97.27	7.32	34.01	33.06	204	226 Peak	VERTICAL
3	5352.89	52.77	54.00	-1.23	44.47	7.30	34.06	33.06	204	226 Average	VERTICAL
4	5353.47	67.79	74.00	-6.21	59.49	7.30	34.06	33.06	204	226 Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5442.63	68.00	74.00	-6.00	59.52	7.35	34.19	33.06	204	225 Peak	VERTICAL
2	5453.05	52.31	54.00	-1.69	43.77	7.38	34.22	33.06	204	225 Average	VERTICAL
3	5462.19	64.38	74.00	-9.62	55.84	7.38	34.22	33.06	204	225 Peak	VERTICAL
4	5467.97	51.21	54.00	-2.79	42.64	7.38	34.25	33.06	204	225 Average	VERTICAL
5	5538.10	107.88			99.13	7.51	34.32	33.08	204	225 Peak	VERTICAL
6	5543.02	97.70			88.92	7.54	34.32	33.08	204	225 Average	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5578.31	109.66			100.80	7.61	34.34	33.09	202	197 Peak	VERTICAL
2	5583.08	99.08			90.21	7.61	34.35	33.09	202	197 Average	VERTICAL
3	5727.60	52.21	54.00	-1.79	43.54	7.37	34.43	33.13	202	197 Average	VERTICAL
4	5728.04	67.61	74.00	-6.39	58.94	7.37	34.43	33.13	202	197 Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 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	5716.45	110.02			101.32	7.41	34.42	33.13	204	234	Average	VERTICAL
2	5716.96	119.55			110.85	7.41	34.42	33.13	204	234	Peak	VERTICAL
3	5875.83	63.34	68.20	-4.86	54.35	7.64	34.53	33.18	204	234	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.96	109.16			100.46	7.41	34.42	33.13	204	231	Average	VERTICAL
2	5717.47	119.15			110.45	7.41	34.42	33.13	204	231	Peak	VERTICAL
3	5872.79	64.28	68.20	-3.92	55.29	7.64	34.53	33.18	204	231	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.89	113.48			104.78	7.41	34.42	33.13	204	222	Peak	VERTICAL
2	5718.10	103.84			95.13	7.41	34.43	33.13	204	222	Average	VERTICAL
3	5858.68	62.03	68.20	-6.17	53.15	7.54	34.52	33.18	204	222	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5683.05	110.98			102.22	7.48	34.40	33.12	204	223	Peak	VERTICAL
2	5718.36	99.80			91.09	7.41	34.43	33.13	204	223	Average	VERTICAL
3	5853.47	63.55	68.20	-4.65	54.67	7.54	34.51	33.17	204	223	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5146.96	60.06	74.00	-13.94	52.16	7.21	33.74	33.05	194	316 Peak	VERTICAL
2	5150.00	47.52	54.00	-6.48	39.62	7.21	33.74	33.05	194	316 Average	VERTICAL
3	5266.08	120.60			112.39	7.34	33.93	33.06	194	316 Peak	VERTICAL
4	5266.51	110.23			102.02	7.34	33.93	33.06	194	316 Average	VERTICAL
5	5350.87	47.97	54.00	-6.03	39.67	7.30	34.06	33.06	194	316 Average	VERTICAL
6	5353.47	61.37	74.00	-12.63	53.07	7.30	34.06	33.06	194	316 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	5302.89	108.18			99.94	7.32	33.98	33.06	203	189 Average	VERTICAL
2	5302.89	119.25			111.01	7.32	33.98	33.06	203	189 Peak	VERTICAL
3	5370.84	62.48	74.00	-11.52	54.15	7.30	34.09	33.06	203	189 Peak	VERTICAL
4	5383.29	49.80	54.00	-4.20	41.46	7.29	34.11	33.06	203	189 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	5323.62	107.52			99.25	7.32	34.01	33.06	201	224 Average	VERTICAL
2	5323.91	118.64			110.37	7.32	34.01	33.06	201	224 Peak	VERTICAL
3	5350.14	67.70	74.00	-6.30	59.40	7.30	34.06	33.06	201	224 Peak	VERTICAL
4	5350.58	51.24	54.00	-2.76	42.94	7.30	34.06	33.06	201	224 Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5458.41	52.51	54.00	-1.49	43.97	7.38	34.22	33.06	202	304 Average	VERTICAL
2	5459.13	65.78	74.00	-8.22	57.24	7.38	34.22	33.06	202	304 Peak	VERTICAL
3	5469.13	52.34	54.00	-1.66	43.77	7.38	34.25	33.06	202	304 Average	VERTICAL
4	5469.28	69.74	74.00	-4.26	61.17	7.38	34.25	33.06	202	304 Peak	VERTICAL
5	5499.28	109.61			100.93	7.44	34.30	33.06	202	304 Average	VERTICAL
6	5499.28	120.62			111.94	7.44	34.30	33.06	202	304 Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5458.26	61.53	74.00	-12.47	52.99	7.38	34.22	33.06	202	307 Peak	VERTICAL
2	5460.00	48.88	54.00	-5.12	40.34	7.38	34.22	33.06	202	307 Average	VERTICAL
3	5467.83	62.65	74.00	-11.35	54.08	7.38	34.25	33.06	202	307 Peak	VERTICAL
4	5470.00	49.15	54.00	-4.85	40.55	7.41	34.25	33.06	202	307 Average	VERTICAL
5	5577.40	121.42			112.60	7.57	34.34	33.09	202	307 Peak	VERTICAL
6	5579.13	111.59			102.73	7.61	34.34	33.09	202	307 Average	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5693.34	106.80			98.07	7.44	34.41	33.12	202	180 Average	VERTICAL
2	5694.50	117.52			108.79	7.44	34.41	33.12	202	180 Peak	VERTICAL
3	5725.00	52.82	54.00	-1.18	44.11	7.41	34.43	33.13	202	180 Average	VERTICAL
4	5731.95	71.66	74.00	-2.34	63.00	7.37	34.43	33.14	202	180 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5255.37	119.38			111.19	7.35	33.90	33.06	202	343	Peak	VERTICAL
2	5260.29	108.19			99.98	7.34	33.93	33.06	202	343	Average	VERTICAL
3	5350.00	48.48	54.00	-5.52	40.18	7.30	34.06	33.06	202	343	Average	VERTICAL
4	5355.21	61.82	74.00	-12.18	53.52	7.30	34.06	33.06	202	343	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5295.66	107.53			99.29	7.32	33.98	33.06	205	315	Average	VERTICAL
2	5305.64	118.51			110.27	7.32	33.98	33.06	205	315	Peak	VERTICAL
3	5350.00	49.54	54.00	-4.46	41.24	7.30	34.06	33.06	205	315	Average	VERTICAL
4	5351.09	61.86	74.00	-12.14	53.56	7.30	34.06	33.06	205	315	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.80	105.89			97.62	7.32	34.01	33.06	205	316	Average	VERTICAL
2	5315.80	116.82			108.55	7.32	34.01	33.06	205	316	Peak	VERTICAL
3	5350.29	66.07	74.00	-7.93	57.77	7.30	34.06	33.06	205	316	Peak	VERTICAL
4	5350.58	52.63	54.00	-1.37	44.33	7.30	34.06	33.06	205	316	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.53	64.11	74.00	-9.89	55.57	7.38	34.22	33.06	203	233	Peak	VERTICAL
2	5456.96	51.41	54.00	-2.59	42.87	7.38	34.22	33.06	203	233	Average	VERTICAL
3	5467.25	52.74	54.00	-1.26	44.17	7.38	34.25	33.06	203	233	Average	VERTICAL
4	5467.68	69.47	74.00	-4.53	60.90	7.38	34.25	33.06	203	233	Peak	VERTICAL
5	5507.09	107.34			98.63	7.48	34.30	33.07	203	233	Average	VERTICAL
6	5507.53	118.94			110.23	7.48	34.30	33.07	203	233	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	48.72	54.00	-5.28	40.18	7.38	34.22	33.06	204	231	Average	VERTICAL
2	5460.00	61.77	74.00	-12.23	53.23	7.38	34.22	33.06	204	231	Peak	VERTICAL
3	5467.83	61.93	74.00	-12.07	53.36	7.38	34.25	33.06	204	231	Peak	VERTICAL
4	5470.00	48.92	54.00	-5.08	40.32	7.41	34.25	33.06	204	231	Average	VERTICAL
5	5572.62	119.36			110.53	7.57	34.34	33.08	204	231	Peak	VERTICAL
6	5586.95	109.14			100.27	7.61	34.35	33.09	204	231	Average	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor				
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.47	104.49			95.76	7.44	34.41	33.12	204	229	Average	VERTICAL
2	5692.62	116.19			107.46	7.44	34.41	33.12	204	229	Peak	VERTICAL
3	5726.88	67.71	74.00	-6.29	59.04	7.37	34.43	33.13	204	229	Peak	VERTICAL
4	5727.46	52.92	54.00	-1.08	44.25	7.37	34.43	33.13	204	229	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5254.95	116.37			108.18	7.35	33.90	33.06	202	343	Peak	VERTICAL
2	5255.53	105.29			97.10	7.35	33.90	33.06	202	343	Average	VERTICAL
3	5350.58	50.25	54.00	-3.75	41.95	7.30	34.06	33.06	202	343	Average	VERTICAL
4	5350.87	64.85	74.00	-9.15	56.55	7.30	34.06	33.06	202	343	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5295.24	98.11			89.87	7.32	33.98	33.06	202	341	Average	VERTICAL
2	5305.22	109.18			100.94	7.32	33.98	33.06	202	341	Peak	VERTICAL
3	5350.43	52.76	54.00	-1.24	44.46	7.30	34.06	33.06	202	341	Average	VERTICAL
4	5350.58	66.46	74.00	-7.54	58.16	7.30	34.06	33.06	202	341	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5460.00	50.77	54.00	-3.23	42.23	7.38	34.22	33.06	202	339 Average	VERTICAL
2	5460.00	63.85	74.00	-10.15	55.31	7.38	34.22	33.06	202	339 Peak	VERTICAL
3	5469.57	68.62	74.00	-5.38	60.02	7.41	34.25	33.06	202	339 Peak	VERTICAL
4	5470.22	52.47	54.00	-1.53	43.87	7.41	34.25	33.06	202	339 Average	VERTICAL
5	5514.99	103.28			94.56	7.48	34.31	33.07	202	339 Average	VERTICAL
6	5524.98	114.32			105.57	7.51	34.31	33.07	202	339 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	5452.62	63.55	74.00	-10.45	55.01	7.38	34.22	33.06	202	231 Peak	VERTICAL
2	5456.96	51.52	54.00	-2.48	42.98	7.38	34.22	33.06	202	231 Average	VERTICAL
3	5466.09	67.88	74.00	-6.12	59.31	7.38	34.25	33.06	202	231 Peak	VERTICAL
4	5466.96	51.75	54.00	-2.25	43.18	7.38	34.25	33.06	202	231 Average	VERTICAL
5	5557.38	106.29			97.50	7.54	34.33	33.08	202	231 Average	VERTICAL
6	5557.81	116.94			108.15	7.54	34.33	33.08	202	231 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	5682.45	112.57			103.81	7.48	34.40	33.12	202	233 Peak	VERTICAL
2	5687.08	101.68			92.91	7.48	34.41	33.12	202	233 Average	VERTICAL
3	5727.32	52.91	54.00	-1.09	44.24	7.37	34.43	33.13	202	233 Average	VERTICAL
4	5732.53	68.08	74.00	-5.92	59.42	7.37	34.43	33.14	202	233 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5260.77	104.39			96.18	7.34	33.93	33.06	202	215	Peak	VERTICAL
2	5261.06	94.93			86.72	7.34	33.93	33.06	202	215	Average	VERTICAL
3	5350.87	52.70	54.00	-1.30	44.40	7.30	34.06	33.06	202	215	Average	VERTICAL
4	5351.45	66.44	74.00	-7.56	58.14	7.30	34.06	33.06	202	215	Peak	VERTICAL

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

Channel 106

	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	5453.92	69.16	74.00	-4.84	60.62	7.38	34.22	33.06	202	215	Peak	VERTICAL
2	5456.24	52.96	54.00	-1.04	44.42	7.38	34.22	33.06	202	215	Average	VERTICAL
3	5465.95	52.68	54.00	-1.32	44.11	7.38	34.25	33.06	202	215	Average	VERTICAL
4	5466.24	68.14	74.00	-5.86	59.57	7.38	34.25	33.06	202	215	Peak	VERTICAL
5	5514.95	108.20			99.48	7.48	34.31	33.07	202	215	Peak	VERTICAL
6	5521.03	95.61			86.89	7.48	34.31	33.07	202	215	Average	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5586.56	109.89			101.02	7.61	34.35	33.09	202	236	Peak	VERTICAL
2	5586.99	99.54			90.67	7.61	34.35	33.09	202	236	Average	VERTICAL
3	5727.17	52.15	54.00	-1.85	43.48	7.37	34.43	33.13	202	236	Average	VERTICAL
4	5727.17	67.65	74.00	-6.35	58.98	7.37	34.43	33.13	202	236	Peak	VERTICAL

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5714.43	108.51			99.81	7.41	34.42	33.13	202	229 Average	VERTICAL
2	5715.95	118.54			109.84	7.41	34.42	33.13	202	229 Peak	VERTICAL
3	5875.83	64.07	68.20	-4.13	55.08	7.64	34.53	33.18	202	229 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.03	108.54			99.83	7.41	34.43	33.13	202	229	Average	VERTICAL
2	5727.60	117.78			109.11	7.37	34.43	33.13	202	229	Peak	VERTICAL
3	5871.78	66.69	68.20	-1.51	57.70	7.64	34.53	33.18	202	229	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 142

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.16	106.10			97.39	7.41	34.43	33.13	202	233	Average	VERTICAL
2	5727.95	116.09			107.42	7.37	34.43	33.13	202	233	Peak	VERTICAL
3	5853.47	65.47	68.20	-2.73	56.59	7.54	34.51	33.17	202	233	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5687.68	102.39			93.62	7.48	34.41	33.12	202	230	Average	VERTICAL
2	5687.68	113.28			104.51	7.48	34.41	33.12	202	230	Peak	VERTICAL
3	5852.32	66.42	68.20	-1.78	57.54	7.54	34.51	33.17	202	230	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5265.45	112.36			103.22	8.26	33.94	33.06	175	174	Peak	VERTICAL
2	5266.41	102.88			93.74	8.26	33.94	33.06	175	174	Average	VERTICAL
3	5350.00	47.93	54.00	-6.07	38.73	8.20	34.06	33.06	175	174	Average	VERTICAL
4	5350.96	58.23	74.00	-15.77	49.03	8.20	34.06	33.06	175	174	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor				
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5301.92	113.23			104.07	8.24	33.98	33.06	175	172	Peak	VERTICAL
2	5306.49	102.26			93.10	8.24	33.98	33.06	175	172	Average	VERTICAL
3	5350.00	48.71	54.00	-5.29	39.51	8.20	34.06	33.06	175	172	Average	VERTICAL
4	5350.96	59.65	74.00	-14.35	50.45	8.20	34.06	33.06	175	172	Peak	VERTICAL

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

Channel 64

	Freq	Level	Line	Limit	Level	Loss	Factor	Factor			Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.91	102.04			92.86	8.23	34.01	33.06	176	166	Average	VERTICAL
2	5318.08	113.90			104.72	8.23	34.01	33.06	176	166	Peak	VERTICAL
3	5350.00	71.03	74.00	-2.97	61.83	8.20	34.06	33.06	176	166	Peak	VERTICAL
4	5350.00	52.63	54.00	-1.37	43.43	8.20	34.06	33.06	176	166	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 100

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.80	64.27	74.00	-9.73	54.74	8.36	34.23	33.06	176	166	Peak	VERTICAL
2	5460.00	49.46	54.00	-4.54	39.93	8.36	34.23	33.06	176	166	Average	VERTICAL
3	5470.00	65.91	74.00	-8.09	56.31	8.41	34.25	33.06	176	166	Peak	VERTICAL
4	5470.00	51.89	54.00	-2.11	42.29	8.41	34.25	33.06	176	166	Average	VERTICAL
5	5493.99	113.70			104.02	8.46	34.28	33.06	176	166	Peak	VERTICAL
6	5494.23	103.34			93.66	8.46	34.28	33.06	176	166	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5577.60	103.17			93.15	8.75	34.35	33.08	176	166	Average	VERTICAL
2	5581.92	113.62			103.61	8.75	34.35	33.09	176	166	Peak	VERTICAL
3	5725.00	58.49	74.00	-15.51	48.71	8.47	34.44	33.13	176	166	Peak	VERTICAL
4	5725.00	47.49	54.00	-6.51	37.71	8.47	34.44	33.13	176	166	Average	VERTICAL

Item 1, 2 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	5693.59	99.12			89.27	8.56	34.42	33.13	176	182	Average	VERTICAL
2	5697.76	109.47			99.62	8.56	34.42	33.13	176	182	Peak	VERTICAL
3	5725.00	52.75	54.00	-1.25	42.97	8.47	34.44	33.13	176	182	Average	VERTICAL
4	5725.96	67.56	74.00	-6.44	57.78	8.47	34.44	33.13	176	182	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	dB	cm	deg		
1	5263.21	111.72			102.58	8.26	33.94	33.06	176	170	Peak	VERTICAL
2	5268.01	101.74			92.60	8.26	33.94	33.06	176	170	Average	VERTICAL
3	5350.00	58.62	74.00	-15.38	49.42	8.20	34.06	33.06	176	170	Peak	VERTICAL
4	5350.00	47.30	54.00	-6.70	38.10	8.20	34.06	33.06	176	170	Average	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.89	112.62			103.46	8.24	33.98	33.06	176	174	Peak	VERTICAL
2	5307.45	101.41			92.25	8.24	33.98	33.06	176	174	Average	VERTICAL
3	5350.00	48.30	54.00	-5.70	39.10	8.20	34.06	33.06	176	174	Average	VERTICAL
4	5352.16	60.94	74.00	-13.06	51.74	8.20	34.06	33.06	176	174	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.79	112.23			103.05	8.23	34.01	33.06	176	165	Peak	VERTICAL
2	5313.43	101.34			92.16	8.23	34.01	33.06	176	165	Average	VERTICAL
3	5350.00	52.63	54.00	-1.37	43.43	8.20	34.06	33.06	176	165	Average	VERTICAL
4	5350.80	68.36	74.00	-5.64	59.16	8.20	34.06	33.06	176	165	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 100

	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	5460.00	63.02	74.00	-10.98	53.49	8.36	34.23	33.06	176	154	Peak	VERTICAL
2	5460.00	49.72	54.00	-4.28	40.19	8.36	34.23	33.06	176	154	Average	VERTICAL
3	5469.04	65.91	74.00	-8.09	56.31	8.41	34.25	33.06	176	154	Peak	VERTICAL
4	5470.00	52.96	54.00	-1.04	43.36	8.41	34.25	33.06	176	154	Average	VERTICAL
5	5498.40	114.60			104.85	8.51	34.30	33.06	176	154	Peak	VERTICAL
6	5506.09	103.41			93.67	8.51	34.30	33.07	176	154	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor				
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5586.25	114.70			104.69	8.75	34.35	33.09	176	152	Peak	VERTICAL
2	5586.73	104.86			94.85	8.75	34.35	33.09	176	152	Average	VERTICAL
3	5725.00	58.11	74.00	-15.89	48.33	8.47	34.44	33.13	176	152	Peak	VERTICAL
4	5725.00	47.74	54.00	-6.26	37.96	8.47	34.44	33.13	176	152	Average	VERTICAL

Item 1, 2 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	Line	Limit	Level	Loss	Factor	Factor				
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.59	98.11			88.26	8.56	34.42	33.13	176	182	Average	VERTICAL
2	5694.23	109.12			99.27	8.56	34.42	33.13	176	182	Peak	VERTICAL
3	5725.00	68.78	74.00	-5.22	59.00	8.47	34.44	33.13	176	182	Peak	VERTICAL
4	5725.00	52.61	54.00	-1.39	42.83	8.47	34.44	33.13	176	182	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5267.20	99.73			90.59	8.26	33.94	33.06	176	172	Average	VERTICAL
2	5272.40	111.04			101.90	8.26	33.94	33.06	176	172	Peak	VERTICAL
3	5350.00	62.69	74.00	-11.31	53.49	8.20	34.06	33.06	176	172	Peak	VERTICAL
4	5350.00	49.84	54.00	-4.16	40.64	8.20	34.06	33.06	176	172	Average	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5307.60	93.29			84.13	8.24	33.98	33.06	176	177	Average
2	5313.53	105.05			95.87	8.23	34.01	33.06	176	177	Peak
3	5350.00	52.54	54.00	-1.46	43.34	8.20	34.06	33.06	176	177	Average
4	5350.32	65.48	74.00	-8.52	56.28	8.20	34.06	33.06	176	177	Peak

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 102

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	64.23	74.00	-9.77	54.70	8.36	34.23	33.06	176	225	Peak	VERTICAL
2	5460.00	49.44	54.00	-4.56	39.91	8.36	34.23	33.06	176	225	Average	VERTICAL
3	5468.72	69.20	74.00	-4.80	59.60	8.41	34.25	33.06	176	225	Peak	VERTICAL
4	5470.00	52.95	54.00	-1.05	43.35	8.41	34.25	33.06	176	225	Average	VERTICAL
5	5494.94	107.81			98.13	8.46	34.28	33.06	176	225	Peak	VERTICAL
6	5525.39	96.01			86.21	8.56	34.31	33.07	176	225	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.08	64.81	74.00	-9.19	55.28	8.36	34.23	33.06	176	225	Peak	VERTICAL
2	5460.00	50.09	54.00	-3.91	40.56	8.36	34.23	33.06	176	225	Average	VERTICAL
3	5470.00	63.43	74.00	-10.57	53.83	8.41	34.25	33.06	176	225	Peak	VERTICAL
4	5470.00	50.39	54.00	-3.61	40.79	8.41	34.25	33.06	176	225	Average	VERTICAL
5	5542.31	100.22			90.37	8.61	34.32	33.08	176	225	Average	VERTICAL
6	5544.71	111.98			102.08	8.65	34.33	33.08	176	225	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	5684.10	107.63			97.74	8.60	34.41	33.12	176	144	Peak	VERTICAL
2	5685.06	96.13			86.24	8.60	34.41	33.12	176	144	Average	VERTICAL
3	5725.00	52.82	54.00	-1.18	43.04	8.47	34.44	33.13	176	144	Average	VERTICAL
4	5726.92	67.16	74.00	-6.84	57.39	8.47	34.44	33.14	176	144	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5266.92	91.13			81.99	8.26	33.94	33.06	176	170	Average	VERTICAL
2	5269.81	101.83			92.69	8.26	33.94	33.06	176	170	Peak	VERTICAL
3	5352.89	52.91	54.00	-1.09	43.71	8.20	34.06	33.06	176	170	Average	VERTICAL
4	5356.25	65.44	74.00	-8.56	56.23	8.19	34.08	33.06	176	170	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.15	63.73	74.00	-10.27	54.20	8.36	34.23	33.06	176	223	Peak	VERTICAL
2	5459.04	52.89	54.00	-1.11	43.36	8.36	34.23	33.06	176	223	Average	VERTICAL
3	5460.87	52.82	54.00	-1.18	43.29	8.36	34.23	33.06	176	223	Average	VERTICAL
4	5470.00	66.19	74.00	-7.81	56.59	8.41	34.25	33.06	176	223	Peak	VERTICAL
5	5540.10	105.11			95.25	8.61	34.32	33.07	176	223	Peak	VERTICAL
6	5543.94	93.05			83.15	8.65	34.33	33.08	176	223	Average	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor				
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5580.19	105.21			95.20	8.75	34.35	33.09	176	163	Peak	VERTICAL
2	5580.19	94.88			84.87	8.75	34.35	33.09	176	163	Average	VERTICAL
3	5725.00	64.50	74.00	-9.50	54.72	8.47	34.44	33.13	176	163	Peak	VERTICAL
4	5725.00	52.42	54.00	-1.58	42.64	8.47	34.44	33.13	176	163	Average	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor				
						dB	dB/m	dB	cm	deg		
1	5718.56	110.30			100.49	8.51	34.43	33.13	176	194	Peak	VERTICAL
2	5723.37	100.38			90.60	8.47	34.44	33.13	176	194	Average	VERTICAL
3	5850.00	59.44	68.20	-8.76	49.54	8.56	34.51	33.17	176	194	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5723.85	99.70			89.92	8.47	34.44	33.13	176	193	Average	VERTICAL
2	5724.33	110.25			100.47	8.47	34.44	33.13	176	193	Peak	VERTICAL
3	5850.00	60.04	68.20	-8.16	50.14	8.56	34.51	33.17	176	193	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5724.58	106.46			96.68	8.47	34.44	33.13	176	193	Peak	VERTICAL
2	5724.58	96.98			87.20	8.47	34.44	33.13	176	193	Average	VERTICAL
3	5858.41	60.23	68.20	-7.97	50.24	8.64	34.52	33.17	176	193	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.61	102.93			93.08	8.56	34.42	33.13	176	178	Peak	VERTICAL
2	5699.54	92.11			82.26	8.56	34.42	33.13	176	178	Average	VERTICAL
3	5850.00	60.30	68.20	-7.90	50.40	8.56	34.51	33.17	176	178	Peak	VERTICAL

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

Note:

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

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

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

Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.22	59.83	74.00	-14.17	51.93	7.21	33.74	33.05	220	347	Peak	VERTICAL
2	5148.26	47.46	54.00	-6.54	39.56	7.21	33.74	33.05	220	347	Average	VERTICAL
3	5262.17	100.41			92.20	7.34	33.93	33.06	220	347	Average	VERTICAL
4	5266.95	109.72			101.51	7.34	33.93	33.06	220	347	Peak	VERTICAL
5	5350.00	48.49	54.00	-5.51	40.19	7.30	34.06	33.06	220	347	Average	VERTICAL
6	5352.17	59.69	74.00	-14.31	51.39	7.30	34.06	33.06	220	347	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	5294.50	100.75			92.51	7.32	33.98	33.06	218	87	Average	HORIZONTAL
2	5303.76	111.21			102.97	7.32	33.98	33.06	218	87	Peak	HORIZONTAL
3	5373.81	48.53	54.00	-5.47	40.20	7.30	34.09	33.06	218	87	Average	HORIZONTAL
4	5389.44	61.38	74.00	-12.62	53.04	7.29	34.11	33.06	218	87	Peak	HORIZONTAL

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

Channel 64

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.92	99.76			91.49	7.32	34.01	33.06	224	84	Average	HORIZONTAL
2	5318.12	110.49			102.22	7.32	34.01	33.06	224	84	Peak	HORIZONTAL
3	5350.10	65.84	74.00	-8.16	57.54	7.30	34.06	33.06	224	84	Peak	HORIZONTAL
4	5350.97	51.18	54.00	-2.82	42.88	7.30	34.06	33.06	224	84	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 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	5423.88	62.15	74.00	-11.85	53.73	7.31	34.17	33.06	231	94	Peak	HORIZONTAL
2	5452.82	49.26	54.00	-4.74	40.72	7.38	34.22	33.06	231	94	Average	HORIZONTAL
3	5469.32	64.61	74.00	-9.39	56.04	7.38	34.25	33.06	231	94	Peak	HORIZONTAL
4	5470.00	50.81	54.00	-3.19	42.21	7.41	34.25	33.06	231	94	Average	HORIZONTAL
5	5505.79	101.00			92.29	7.48	34.30	33.07	231	94	Average	HORIZONTAL
6	5505.79	111.56			102.85	7.48	34.30	33.07	231	94	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	5339.77	49.27	54.00	-4.73	40.99	7.31	34.03	33.06	235	134	Average	HORIZONTAL
2	5341.22	62.92	74.00	-11.08	54.64	7.31	34.03	33.06	235	134	Peak	HORIZONTAL
3	5467.83	48.08	54.00	-5.92	39.51	7.38	34.25	33.06	235	134	Average	HORIZONTAL
4	5469.28	60.20	74.00	-13.80	51.63	7.38	34.25	33.06	235	134	Peak	HORIZONTAL
5	5582.17	99.86			90.99	7.61	34.35	33.09	235	134	Average	HORIZONTAL
6	5582.89	110.22			101.35	7.61	34.35	33.09	235	134	Peak	HORIZONTAL
7	5746.71	61.37	74.00	-12.63	52.74	7.33	34.44	33.14	235	134	Peak	HORIZONTAL
8	5819.79	49.79	54.00	-4.21	41.10	7.35	34.50	33.16	235	134	Average	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	5696.53	97.55			88.82	7.44	34.41	33.12	237	140	Average	HORIZONTAL
2	5704.34	108.63			99.89	7.44	34.42	33.12	237	140	Peak	HORIZONTAL
3	5725.90	52.25	54.00	-1.75	43.54	7.41	34.43	33.13	237	140	Average	HORIZONTAL
4	5728.22	67.41	74.00	-6.59	58.74	7.37	34.43	33.13	237	140	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5266.08	109.49			101.28	7.34	33.93	33.06	235	134 Peak	HORIZONTAL
2	5267.81	99.09			90.88	7.34	33.93	33.06	235	134 Average	HORIZONTAL
3	5350.87	48.15	54.00	-5.85	39.85	7.30	34.06	33.06	235	134 Average	HORIZONTAL
4	5373.01	60.61	74.00	-13.39	52.28	7.30	34.09	33.06	235	134 Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5292.19	99.97			91.75	7.33	33.95	33.06	224	90 Average	HORIZONTAL
2	5302.03	111.13			102.89	7.32	33.98	33.06	224	90 Peak	HORIZONTAL
3	5350.58	48.70	54.00	-5.30	40.40	7.30	34.06	33.06	224	90 Average	HORIZONTAL
4	5358.39	61.82	74.00	-12.18	53.52	7.30	34.06	33.06	224	90 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	dB	dB/m	dB	cm	deg	
1	5312.19	99.67			91.40	7.32	34.01	33.06	224	87 Average	HORIZONTAL
2	5316.67	110.37			102.10	7.32	34.01	33.06	224	87 Peak	HORIZONTAL
3	5350.00	51.56	54.00	-2.44	43.26	7.30	34.06	33.06	224	87 Average	HORIZONTAL
4	5353.29	66.93	74.00	-7.07	58.63	7.30	34.06	33.06	224	87 Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 100

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.58	62.17	74.00	-11.83	53.63	7.38	34.22	33.06	232	359	Peak	HORIZONTAL
2	5458.03	49.07	54.00	-4.93	40.53	7.38	34.22	33.06	232	359	Average	HORIZONTAL
3	5464.40	63.70	74.00	-10.30	55.13	7.38	34.25	33.06	232	359	Peak	HORIZONTAL
4	5470.00	50.89	54.00	-3.11	42.29	7.41	34.25	33.06	232	359	Average	HORIZONTAL
5	5495.08	111.14			102.49	7.44	34.27	33.06	232	359	Peak	HORIZONTAL
6	5497.68	100.13			91.45	7.44	34.30	33.06	232	359	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	dB	dB/m	dB	cm	deg		
1	5339.04	49.11	54.00	-4.89	40.83	7.31	34.03	33.06	228	4	Average	HORIZONTAL
2	5343.39	61.55	74.00	-12.45	53.27	7.31	34.03	33.06	228	4	Peak	HORIZONTAL
3	5461.45	47.92	54.00	-6.08	39.38	7.38	34.22	33.06	228	4	Average	HORIZONTAL
4	5465.07	60.62	74.00	-13.38	52.05	7.38	34.25	33.06	228	4	Peak	HORIZONTAL
5	5584.34	111.60			102.73	7.61	34.35	33.09	228	4	Peak	HORIZONTAL
6	5587.24	99.95			91.08	7.61	34.35	33.09	228	4	Average	HORIZONTAL
7	5815.45	61.41	74.00	-12.59	52.73	7.35	34.49	33.16	228	4	Peak	HORIZONTAL
8	5821.24	49.82	54.00	-4.18	41.03	7.45	34.50	33.16	228	4	Average	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	5692.62	95.98			87.25	7.44	34.41	33.12	202	92	Average	HORIZONTAL
2	5694.36	107.19			98.46	7.44	34.41	33.12	202	92	Peak	HORIZONTAL
3	5725.00	51.92	54.00	-2.08	43.21	7.41	34.43	33.13	202	92	Average	HORIZONTAL
4	5725.00	69.16	74.00	-4.84	60.45	7.41	34.43	33.13	202	92	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 54

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5282.16	95.47			87.25	7.33	33.95	33.06	229	64	Average	HORIZONTAL
2	5285.20	107.21			98.99	7.33	33.95	33.06	229	64	Peak	HORIZONTAL
3	5350.87	48.31	54.00	-5.69	40.01	7.30	34.06	33.06	229	64	Average	HORIZONTAL
4	5353.91	60.70	74.00	-13.30	52.40	7.30	34.06	33.06	229	64	Peak	HORIZONTAL

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

Channel 62

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.11	105.53			97.29	7.32	33.98	33.06	223	313	Peak	VERTICAL
2	5298.42	95.47			87.23	7.32	33.98	33.06	223	313	Average	VERTICAL
3	5350.81	52.66	54.00	-1.34	44.36	7.30	34.06	33.06	223	313	Average	VERTICAL
4	5351.39	65.27	74.00	-8.73	56.97	7.30	34.06	33.06	223	313	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 102

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.64	66.41	74.00	-7.59	57.87	7.38	34.22	33.06	236	93	Peak	HORIZONTAL
2	5460.00	49.76	54.00	-4.24	41.22	7.38	34.22	33.06	236	93	Average	HORIZONTAL
3	5466.87	67.86	74.00	-6.14	59.29	7.38	34.25	33.06	236	93	Peak	HORIZONTAL
4	5470.00	52.67	54.00	-1.33	44.07	7.41	34.25	33.06	236	93	Average	HORIZONTAL
5	5515.50	107.79			99.07	7.48	34.31	33.07	236	93	Peak	HORIZONTAL
6	5522.74	96.50			87.78	7.48	34.31	33.07	236	93	Average	HORIZONTAL

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

Channel 110

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5448.41	61.35	74.00	-12.65	52.84	7.35	34.22	33.06	226	6	Peak	VERTICAL
2	5456.66	48.65	54.00	-5.35	40.11	7.38	34.22	33.06	226	6	Average	VERTICAL
3	5465.77	48.86	54.00	-5.14	40.29	7.38	34.25	33.06	226	6	Average	VERTICAL
4	5468.81	61.50	74.00	-12.50	52.93	7.38	34.25	33.06	226	6	Peak	VERTICAL
5	5545.66	99.22			90.44	7.54	34.32	33.08	226	6	Average	VERTICAL
6	5546.53	109.00			100.22	7.54	34.32	33.08	226	6	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	5653.94	93.83			85.04	7.52	34.39	33.12	233	6	Average	HORIZONTAL
2	5656.11	105.56			96.77	7.52	34.39	33.12	233	6	Peak	HORIZONTAL
3	5727.17	50.71	54.00	-3.29	42.04	7.37	34.43	33.13	233	6	Average	HORIZONTAL
4	5728.04	64.26	74.00	-9.74	55.59	7.37	34.43	33.13	233	6	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 58

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5078.36	59.83	74.00	-14.17	52.26	6.99	33.63	33.05	226	306	Peak	VERTICAL
2	5137.70	47.18	54.00	-6.82	39.37	7.15	33.71	33.05	226	306	Average	VERTICAL
3	5261.06	90.30			82.09	7.34	33.93	33.06	226	306	Average	VERTICAL
4	5262.50	99.42			91.21	7.34	33.93	33.06	226	306	Peak	VERTICAL
5	5350.78	50.34	54.00	-3.66	42.04	7.30	34.06	33.06	226	306	Average	VERTICAL
6	5358.74	61.69	74.00	-12.31	53.39	7.30	34.06	33.06	226	306	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.92	63.73	74.00	-10.27	55.19	7.38	34.22	33.06	242	76	Peak	HORIZONTAL
2	5457.64	50.38	54.00	-3.62	41.84	7.38	34.22	33.06	242	76	Average	HORIZONTAL
3	5461.45	50.49	54.00	-3.51	41.95	7.38	34.22	33.06	242	76	Average	HORIZONTAL
4	5467.96	63.18	74.00	-10.82	54.61	7.38	34.25	33.06	242	76	Peak	HORIZONTAL
5	5520.59	91.70			82.98	7.48	34.31	33.07	242	76	Average	HORIZONTAL
6	5524.21	103.01			94.26	7.51	34.31	33.07	242	76	Peak	HORIZONTAL
7	5725.37	48.37	54.00	-5.63	39.66	7.41	34.43	33.13	242	76	Average	HORIZONTAL
8	5773.85	60.72	74.00	-13.28	52.11	7.29	34.47	33.15	242	76	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	dB	dB/m	dB	cm	deg		
1	5453.70	48.39	54.00	-5.61	39.85	7.38	34.22	33.06	229	2	Average	HORIZONTAL
2	5454.43	61.47	74.00	-12.53	52.93	7.38	34.22	33.06	229	2	Peak	HORIZONTAL
3	5460.22	60.99	74.00	-13.01	52.45	7.38	34.22	33.06	229	2	Peak	HORIZONTAL
4	5466.01	48.55	54.00	-5.45	39.98	7.38	34.25	33.06	229	2	Average	HORIZONTAL
5	5582.50	91.42			82.55	7.61	34.35	33.09	229	2	Average	HORIZONTAL
6	5586.12	102.80			93.93	7.61	34.35	33.09	229	2	Peak	HORIZONTAL
7	5731.51	61.91	74.00	-12.09	53.25	7.37	34.43	33.14	229	2	Peak	HORIZONTAL
8	5732.24	50.41	54.00	-3.59	41.75	7.37	34.43	33.14	229	2	Average	HORIZONTAL

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

Straddle Channel

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

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5717.11	109.58			100.88	7.41	34.42	33.13	246	16	Peak	HORIZONTAL
2	5722.89	98.80			90.09	7.41	34.43	33.13	246	16	Average	HORIZONTAL
3	5946.48	61.16	68.20	-7.04	51.75	8.04	34.57	33.20	246	16	Peak	HORIZONTAL

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

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

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.21	109.63			100.93	7.41	34.42	33.13	245	10	Peak	HORIZONTAL
2	5718.55	98.73			90.02	7.41	34.43	33.13	245	10	Average	HORIZONTAL
3	5856.76	61.71	68.20	-6.49	52.82	7.54	34.52	33.17	245	10	Peak	HORIZONTAL

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

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

Channel 142

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.28	106.94			98.24	7.41	34.42	33.13	245	12	Peak	HORIZONTAL
2	5715.79	95.31			86.61	7.41	34.42	33.13	245	12	Average	HORIZONTAL
3	5936.48	62.59	68.20	-5.61	53.29	7.94	34.56	33.20	245	12	Peak	HORIZONTAL

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

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

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.20	103.53			94.80	7.44	34.42	33.13	245	3	Peak	HORIZONTAL
2	5706.64	91.90			83.17	7.44	34.42	33.13	245	3	Average	HORIZONTAL
3	5854.25	63.00	68.20	-5.20	54.11	7.54	34.52	33.17	245	3	Peak	HORIZONTAL

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

Note:

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

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

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

Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.13	59.92	74.00	-14.08	52.02	7.21	33.74	33.05	149	355	Peak	VERTICAL
2	5150.00	47.63	54.00	-6.37	39.73	7.21	33.74	33.05	149	355	Average	VERTICAL
3	5263.04	111.93			103.72	7.34	33.93	33.06	149	355	Peak	VERTICAL
4	5263.47	102.60			94.39	7.34	33.93	33.06	149	355	Average	VERTICAL
5	5350.00	48.51	54.00	-5.49	40.21	7.30	34.06	33.06	149	355	Average	VERTICAL
6	5354.34	60.28	74.00	-13.72	51.98	7.30	34.06	33.06	149	355	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	5297.40	113.94			105.70	7.32	33.98	33.06	190	321	Peak	VERTICAL
2	5306.95	104.15			95.91	7.32	33.98	33.06	190	321	Average	VERTICAL
3	5350.87	49.15	54.00	-4.85	40.85	7.30	34.06	33.06	190	321	Average	VERTICAL
4	5353.18	61.87	74.00	-12.13	53.57	7.30	34.06	33.06	190	321	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5321.45	104.52			96.25	7.32	34.01	33.06	188	340	Average	VERTICAL
2	5321.74	114.52			106.25	7.32	34.01	33.06	188	340	Peak	VERTICAL
3	5351.74	52.03	54.00	-1.97	43.73	7.30	34.06	33.06	188	340	Average	VERTICAL
4	5352.60	66.50	74.00	-7.50	58.20	7.30	34.06	33.06	188	340	Peak	VERTICAL

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

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

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.42	61.70	74.00	-12.30	53.16	7.38	34.22	33.06	244	64	Peak	HORIZONTAL
2	5459.71	49.17	54.00	-4.83	40.63	7.38	34.22	33.06	244	64	Average	HORIZONTAL
3	5470.00	50.34	54.00	-3.66	41.74	7.41	34.25	33.06	244	64	Average	HORIZONTAL
4	5470.00	66.29	74.00	-7.71	57.69	7.41	34.25	33.06	244	64	Peak	HORIZONTAL
5	5499.42	109.87			101.19	7.44	34.30	33.06	244	64	Peak	HORIZONTAL
6	5501.45	99.99			91.32	7.44	34.30	33.07	244	64	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.70	60.28	74.00	-13.72	51.74	7.38	34.22	33.06	186	308	Peak	VERTICAL
2	5459.57	48.38	54.00	-5.62	39.84	7.38	34.22	33.06	186	308	Average	VERTICAL
3	5470.00	48.43	54.00	-5.57	39.83	7.41	34.25	33.06	186	308	Average	VERTICAL
4	5470.00	60.60	74.00	-13.40	52.00	7.41	34.25	33.06	186	308	Peak	VERTICAL
5	5581.30	105.38			96.52	7.61	34.34	33.09	186	308	Average	VERTICAL
6	5581.74	115.08			106.21	7.61	34.35	33.09	186	308	Peak	VERTICAL
7	5725.00	48.80	54.00	-5.20	40.09	7.41	34.43	33.13	186	308	Average	VERTICAL
8	5725.43	60.70	74.00	-13.30	51.99	7.41	34.43	33.13	186	308	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.50	96.45			87.72	7.44	34.42	33.13	189	17	Average	HORIZONTAL
2	5706.08	107.67			98.94	7.44	34.42	33.13	189	17	Peak	HORIZONTAL
3	5725.00	52.97	54.00	-1.03	44.26	7.41	34.43	33.13	189	17	Average	HORIZONTAL
4	5725.29	66.43	74.00	-7.57	57.72	7.41	34.43	33.13	189	17	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5265.64	104.73			96.52	7.34	33.93	33.06	210	341	Average	VERTICAL
2	5266.08	113.90			105.69	7.34	33.93	33.06	210	341	Peak	VERTICAL
3	5350.00	48.69	54.00	-5.31	40.39	7.30	34.06	33.06	210	341	Average	VERTICAL
4	5350.87	60.51	74.00	-13.49	52.21	7.30	34.06	33.06	210	341	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5324.63	102.09			93.82	7.32	34.01	33.06	151	331	Average	VERTICAL
2	5325.21	111.77			103.50	7.32	34.01	33.06	151	331	Peak	VERTICAL
3	5350.00	50.98	54.00	-3.02	42.68	7.30	34.06	33.06	151	331	Average	VERTICAL
4	5350.29	65.10	74.00	-8.90	56.80	7.30	34.06	33.06	151	331	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor				
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5324.63	102.09			93.82	7.32	34.01	33.06	151	331	Average	VERTICAL
2	5325.21	111.77			103.50	7.32	34.01	33.06	151	331	Peak	VERTICAL
3	5350.00	50.98	54.00	-3.02	42.68	7.30	34.06	33.06	151	331	Average	VERTICAL
4	5350.29	65.10	74.00	-8.90	56.80	7.30	34.06	33.06	151	331	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5451.90	62.48	74.00	-11.52	53.94	7.38	34.22	33.06	240	63	Peak	HORIZONTAL
2	5460.00	49.00	54.00	-5.00	40.46	7.38	34.22	33.06	240	63	Average	HORIZONTAL
3	5468.26	64.38	74.00	-9.62	55.81	7.38	34.25	33.06	240	63	Peak	HORIZONTAL
4	5470.00	50.34	54.00	-3.66	41.74	7.41	34.25	33.06	240	63	Average	HORIZONTAL
5	5495.37	110.39			101.74	7.44	34.27	33.06	240	63	Peak	HORIZONTAL
6	5505.79	99.46			90.75	7.48	34.30	33.07	240	63	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.96	59.98	74.00	-14.02	51.44	7.38	34.22	33.06	179	305	Peak	VERTICAL
2	5459.13	48.53	54.00	-5.47	39.99	7.38	34.22	33.06	179	305	Average	VERTICAL
3	5468.26	60.67	74.00	-13.33	52.10	7.38	34.25	33.06	179	305	Peak	VERTICAL
4	5470.00	48.40	54.00	-5.60	39.80	7.41	34.25	33.06	179	305	Average	VERTICAL
5	5584.78	104.44			95.57	7.61	34.35	33.09	179	305	Average	VERTICAL
6	5585.21	114.62			105.75	7.61	34.35	33.09	179	305	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.19	97.76			89.03	7.44	34.41	33.12	244	1	Average	HORIZONTAL
2	5696.82	109.05			100.32	7.44	34.41	33.12	244	1	Peak	HORIZONTAL
3	5725.00	52.81	54.00	-1.19	44.10	7.41	34.43	33.13	244	1	Average	HORIZONTAL
4	5725.58	68.88	74.00	-5.12	60.17	7.41	34.43	33.13	244	1	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5280.71	101.77			93.55	7.33	33.95	33.06	184	341	Average	VERTICAL
2	5281.29	111.87			103.65	7.33	33.95	33.06	184	341	Peak	VERTICAL
3	5350.87	49.74	54.00	-4.26	41.44	7.30	34.06	33.06	184	341	Average	VERTICAL
4	5352.32	62.99	74.00	-11.01	54.69	7.30	34.06	33.06	184	341	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	5307.97	96.63			88.39	7.32	33.98	33.06	194	306	Average	VERTICAL
2	5313.18	106.88			98.61	7.32	34.01	33.06	194	306	Peak	VERTICAL
3	5352.32	65.66	74.00	-8.34	57.36	7.30	34.06	33.06	194	306	Peak	VERTICAL
4	5353.18	52.95	54.00	-1.05	44.65	7.30	34.06	33.06	194	306	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 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	49.63	54.00	-4.37	41.09	7.38	34.22	33.06	240	68 Average	HORIZONTAL
2	5460.00	62.13	74.00	-11.87	53.59	7.38	34.22	33.06	240	68 Peak	HORIZONTAL
3	5469.42	71.65	74.00	-2.35	63.08	7.38	34.25	33.06	240	68 Peak	HORIZONTAL
4	5470.00	52.75	54.00	-1.25	44.15	7.41	34.25	33.06	240	68 Average	HORIZONTAL
5	5520.71	107.50			98.78	7.48	34.31	33.07	240	68 Peak	HORIZONTAL
6	5521.00	96.59			87.87	7.48	34.31	33.07	240	68 Average	HORIZONTAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5459.57	49.56	54.00	-4.44	41.02	7.38	34.22	33.06	151	338 Average	VERTICAL
2	5459.57	61.38	74.00	-12.62	52.84	7.38	34.22	33.06	151	338 Peak	VERTICAL
3	5470.00	49.94	54.00	-4.06	41.34	7.41	34.25	33.06	151	338 Average	VERTICAL
4	5470.00	62.19	74.00	-11.81	53.59	7.41	34.25	33.06	151	338 Peak	VERTICAL
5	5534.80	103.77			95.02	7.51	34.32	33.08	151	338 Average	VERTICAL
6	5535.24	113.18			104.43	7.51	34.32	33.08	151	338 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	5655.53	99.45			90.66	7.52	34.39	33.12	179	308 Average	VERTICAL
2	5655.53	109.91			101.12	7.52	34.39	33.12	179	308 Peak	VERTICAL
3	5725.00	52.69	54.00	-1.31	43.98	7.41	34.43	33.13	179	308 Average	VERTICAL
4	5725.87	68.32	74.00	-5.68	59.61	7.41	34.43	33.13	179	308 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 58

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.66	60.69	74.00	-13.31	52.79	7.21	33.74	33.05	156	308	Peak	VERTICAL
2	5150.00	47.83	54.00	-6.17	39.93	7.21	33.74	33.05	156	308	Average	VERTICAL
3	5260.33	91.58			83.37	7.34	33.93	33.06	156	308	Average	VERTICAL
4	5300.13	101.42			93.18	7.32	33.98	33.06	156	308	Peak	VERTICAL
5	5350.00	63.96	74.00	-10.04	55.66	7.30	34.06	33.06	156	308	Peak	VERTICAL
6	5350.72	52.63	54.00	-1.37	44.33	7.30	34.06	33.06	156	308	Average	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5439.02	68.34	74.00	-5.66	59.86	7.35	34.19	33.06	151	337	Peak	VERTICAL
2	5454.93	52.81	54.00	-1.19	44.27	7.38	34.22	33.06	151	337	Average	VERTICAL
3	5470.00	63.88	74.00	-10.12	55.28	7.41	34.25	33.06	151	337	Peak	VERTICAL
4	5470.00	51.91	54.00	-2.09	43.31	7.41	34.25	33.06	151	337	Average	VERTICAL
5	5534.50	107.02			98.27	7.51	34.32	33.08	151	337	Peak	VERTICAL
6	5539.41	98.10			89.35	7.51	34.32	33.08	151	337	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	5453.49	64.74	74.00	-9.26	56.20	7.38	34.22	33.06	203	309	Peak	VERTICAL
2	5460.00	51.00	54.00	-3.00	42.46	7.38	34.22	33.06	203	309	Average	VERTICAL
3	5465.66	64.55	74.00	-9.45	55.98	7.38	34.25	33.06	203	309	Peak	VERTICAL
4	5470.00	51.67	54.00	-2.33	43.07	7.41	34.25	33.06	203	309	Average	VERTICAL
5	5584.67	98.67			89.80	7.61	34.35	33.09	203	309	Average	VERTICAL
6	5594.80	108.92			100.05	7.61	34.35	33.09	203	309	Peak	VERTICAL
7	5725.00	52.72	54.00	-1.28	44.01	7.41	34.43	33.13	203	309	Average	VERTICAL
8	5735.13	65.05	74.00	-8.95	56.38	7.37	34.44	33.14	203	309	Peak	VERTICAL

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

Straddle Channel

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

Channel 144

	Freq	Level	Limit	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	5720.58	100.65			91.94	7.41	34.43	33.13	186	36	Average	VERTICAL
2	5721.16	109.63			100.92	7.41	34.43	33.13	186	36	Peak	VERTICAL
3	5852.32	62.94	74.00	-11.06	54.06	7.54	34.51	33.17	186	36	Peak	VERTICAL
4	5881.26	50.27	54.00	-3.73	41.18	7.74	34.53	33.18	186	36	Average	VERTICAL

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

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

Channel 144

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

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

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

Channel 142

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

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

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

Channel 138

	Freq	Level	Limit	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	5681.32	94.29			85.53	7.48	34.40	33.12	243	17	Average	HORIZONTAL
2	5686.38	105.28			96.51	7.48	34.41	33.12	243	17	Peak	HORIZONTAL
3	5851.45	51.01	54.00	-2.99	42.13	7.54	34.51	33.17	243	17	Average	HORIZONTAL
4	5859.41	62.86	74.00	-11.14	53.88	7.64	34.52	33.18	243	17	Peak	HORIZONTAL

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

Note:

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

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

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

Channel 52

	Freq	Level	Limit	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	5146.53	60.81	74.00	-13.19	52.91	7.21	33.74	33.05	182	257 Peak	HORIZONTAL
2	5149.57	48.37	54.00	-5.63	40.47	7.21	33.74	33.05	182	257 Average	HORIZONTAL
3	5262.60	114.24			106.03	7.34	33.93	33.06	182	257 Peak	HORIZONTAL
4	5263.47	104.00			95.79	7.34	33.93	33.06	182	257 Average	HORIZONTAL
5	5350.00	49.01	54.00	-4.99	40.71	7.30	34.06	33.06	182	257 Average	HORIZONTAL
6	5350.00	61.52	74.00	-12.48	53.22	7.30	34.06	33.06	182	257 Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	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	5302.89	113.00			104.76	7.32	33.98	33.06	153	255 Peak	HORIZONTAL
2	5303.47	103.36			95.12	7.32	33.98	33.06	153	255 Average	HORIZONTAL
3	5373.44	49.94	54.00	-4.06	41.61	7.30	34.09	33.06	153	255 Average	HORIZONTAL
4	5377.79	63.57	74.00	-10.43	55.22	7.30	34.11	33.06	153	255 Peak	HORIZONTAL

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

Channel 64

	Freq	Level	Limit	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	5317.25	113.81			105.54	7.32	34.01	33.06	183	144 Peak	HORIZONTAL
2	5326.51	103.50			95.21	7.32	34.03	33.06	183	144 Average	HORIZONTAL
3	5350.14	51.37	54.00	-2.63	43.07	7.30	34.06	33.06	183	144 Average	HORIZONTAL
4	5355.93	66.07	74.00	-7.93	57.77	7.30	34.06	33.06	183	144 Peak	HORIZONTAL

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

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

Channel 100

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

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

Channel 116

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

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

Channel 140

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

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

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

Channel 52

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

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

Channel 60

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

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

Channel 64

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

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

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

Channel 100

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

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	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	5415.86	62.76	74.00	-11.24	53.45	8.22	34.15	33.06	175	143	Peak	HORIZONTAL
2	5426.71	50.05	54.00	-3.95	40.66	8.27	34.18	33.06	175	143	Average	HORIZONTAL
3	5470.00	48.48	54.00	-5.52	38.88	8.41	34.25	33.06	175	143	Average	HORIZONTAL
4	5470.00	61.29	74.00	-12.71	51.69	8.41	34.25	33.06	175	143	Peak	HORIZONTAL
5	5577.83	116.03			106.01	8.75	34.35	33.08	175	143	Peak	HORIZONTAL
6	5582.17	104.40			94.39	8.75	34.35	33.09	175	143	Average	HORIZONTAL
7	5751.77	62.87	74.00	-11.13	53.13	8.43	34.45	33.14	175	143	Peak	HORIZONTAL
8	5820.51	50.24	54.00	-3.76	40.52	8.39	34.49	33.16	175	143	Average	HORIZONTAL

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

Channel 140

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

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

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

Channel 54

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

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

Channel 62

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

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

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

Channel 102

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

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

Channel 110

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

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

Channel 134

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

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

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

Channel 58

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

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

Channel 106

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

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

Channel 122

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

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

Note:

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

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

Straddle Channel

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

Channel 144

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

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

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

Channel 144

	Freq	Level	Limit	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	5720.72	115.08			105.27	8.51	34.43	33.13	175	245	Peak	HORIZONTAL
2	5725.79	103.68			93.90	8.47	34.44	33.13	175	245	Average	HORIZONTAL
3	5885.46	50.50	54.00	-3.50	40.43	8.72	34.53	33.18	175	245	Average	HORIZONTAL
4	5886.90	63.25	74.00	-10.75	53.18	8.72	34.53	33.18	175	245	Peak	HORIZONTAL

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

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

Channel 142

	Freq	Level	Limit	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	5705.66	101.41			91.60	8.51	34.43	33.13	175	254	Average	HORIZONTAL
2	5725.92	111.94			102.16	8.47	34.44	33.13	175	254	Peak	HORIZONTAL
3	5870.98	50.53	54.00	-3.47	40.55	8.64	34.52	33.18	175	254	Average	HORIZONTAL
4	5893.42	62.42	74.00	-11.58	52.26	8.80	34.54	33.18	175	254	Peak	HORIZONTAL

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

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

Channel 138

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

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

Note:

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

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

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

Channel 52

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

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

Channel 60

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

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

Channel 64

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

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

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

Channel 100

	Freq	Level	Limit	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	5452.80	49.10	54.00	-4.90	41.34	6.60	34.22	33.06	252	0	Average	VERTICAL
2	5457.40	62.14	74.00	-11.86	54.38	6.60	34.22	33.06	252	0	Peak	VERTICAL
3	5469.60	66.22	68.20	-1.98	58.43	6.60	34.25	33.06	252	0	Peak	VERTICAL
4	5492.80	100.94			93.10	6.63	34.27	33.06	252	0	Average	VERTICAL
5	5498.00	112.06			104.19	6.63	34.30	33.06	252	0	Peak	VERTICAL

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

Channel 116

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

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

Channel 140

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

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

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

Channel 52

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

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

Channel 60

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

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

Channel 64

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

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

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

Channel 100

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

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

Channel 116

	Freq	Level	Limit	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	5424.00	48.85	54.00	-5.15	41.21	6.53	34.17	33.06	229	360	Average	VERTICAL
2	5427.00	60.60	74.00	-13.40	52.93	6.56	34.17	33.06	229	360	Peak	VERTICAL
3	5463.00	59.59	68.20	-8.61	51.80	6.60	34.25	33.06	229	360	Peak	VERTICAL
4	5582.00	100.76			92.78	6.72	34.35	33.09	229	360	Average	VERTICAL
5	5583.00	110.04			102.06	6.72	34.35	33.09	229	360	Peak	VERTICAL
6	5821.00	61.13	68.20	-7.07	52.87	6.92	34.50	33.16	229	360	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit	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	97.14			89.04	6.81	34.41	33.12	231	337	Average	VERTICAL
2	5698.00	107.72			99.62	6.81	34.41	33.12	231	337	Peak	VERTICAL
3	5731.60	67.13	68.20	-1.07	58.98	6.86	34.43	33.14	231	337	Peak	VERTICAL

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

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

Channel 54

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

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

Channel 62

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

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

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

Channel 102

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

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

Channel 110

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

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

Channel 134

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

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

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

Channel 58

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

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	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	5454.00	67.51	74.00	-6.49	59.75	6.60	34.22	33.06	213	336	Peak	VERTICAL
2	5460.00	52.09	54.00	-1.91	44.33	6.60	34.22	33.06	213	336	Average	VERTICAL
3	5465.00	67.05	68.20	-1.15	59.26	6.60	34.25	33.06	213	336	Peak	VERTICAL
4	5543.00	105.42			97.50	6.68	34.32	33.08	213	336	Peak	VERTICAL
5	5543.00	94.49			86.57	6.68	34.32	33.08	213	336	Average	VERTICAL
6	5747.00	60.62	68.20	-7.58	52.46	6.86	34.44	33.14	213	336	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	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	5460.00	61.45	74.00	-12.55	53.69	6.60	34.22	33.06	234	3	Peak	VERTICAL
2	5465.00	63.14	68.20	-5.06	55.35	6.60	34.25	33.06	234	3	Peak	VERTICAL
3	5582.00	93.81			85.83	6.72	34.35	33.09	234	3	Average	VERTICAL
4	5594.00	103.80			95.82	6.72	34.35	33.09	234	3	Peak	VERTICAL
5	5727.00	64.04	68.20	-4.16	55.91	6.83	34.43	33.13	234	3	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

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

Channel 144

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

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

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

Channel 144

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

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

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

Channel 142

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

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

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

Channel 138

	Freq	Level	Limit	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	5682.00	91.97			83.88	6.81	34.40	33.12	236	359	Average	VERTICAL
2	5724.00	100.97			92.84	6.83	34.43	33.13	236	359	Peak	VERTICAL
3	5869.00	61.44	68.20	-6.76	53.13	6.97	34.52	33.18	236	359	Peak	VERTICAL

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

Note:

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

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

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

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit	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	5317.20	103.84			96.49	6.40	34.01	33.06	194	331	Average	VERTICAL
2	5317.60	114.06			106.71	6.40	34.01	33.06	194	331	Peak	VERTICAL
3	5350.80	66.53	74.00	-7.47	59.06	6.47	34.06	33.06	194	331	Peak	VERTICAL
4	5352.00	51.95	54.00	-2.05	44.48	6.47	34.06	33.06	194	331	Average	VERTICAL

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

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

Channel 100

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

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

Channel 116

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

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

Channel 140

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

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

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

Channel 52

	Freq	Level	Limit	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	5259.40	112.04			104.83	6.34	33.93	33.06	227	355 Peak	VERTICAL
2	5261.20	102.33			95.12	6.34	33.93	33.06	227	355 Average	VERTICAL
3	5352.40	47.59	54.00	-6.41	40.12	6.47	34.06	33.06	227	355 Average	VERTICAL
4	5366.20	60.29	74.00	-13.71	52.79	6.47	34.09	33.06	227	355 Peak	VERTICAL

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

Channel 60

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

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

Channel 64

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

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

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

Channel 100

	Freq	Level	Limit	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	61.83	74.00	-12.17	54.07	6.60	34.22	33.06	187	360	Peak	VERTICAL
2	5458.40	50.29	54.00	-3.71	42.53	6.60	34.22	33.06	187	360	Average	VERTICAL
3	5468.80	52.50	54.00	-1.50	44.71	6.60	34.25	33.06	187	360	Average	VERTICAL
4	5469.00	66.20	74.00	-7.80	58.41	6.60	34.25	33.06	187	360	Peak	VERTICAL
5	5493.40	103.92			96.08	6.63	34.27	33.06	187	360	Average	VERTICAL
6	5498.20	113.50			105.63	6.63	34.30	33.06	187	360	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit	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	5413.00	60.60	74.00	-13.40	52.96	6.53	34.17	33.06	195	334	Peak	VERTICAL
2	5425.00	50.32	54.00	-3.68	42.65	6.56	34.17	33.06	195	334	Average	VERTICAL
3	5461.00	59.45	74.00	-14.55	51.69	6.60	34.22	33.06	195	334	Peak	VERTICAL
4	5470.00	48.18	54.00	-5.82	40.39	6.60	34.25	33.06	195	334	Average	VERTICAL
5	5583.00	103.87			95.89	6.72	34.35	33.09	195	334	Average	VERTICAL
6	5586.00	113.49			105.51	6.72	34.35	33.09	195	334	Peak	VERTICAL
7	5821.00	50.31	54.00	-3.69	42.05	6.92	34.50	33.16	195	334	Average	VERTICAL
8	5821.00	61.31	74.00	-12.69	53.05	6.92	34.50	33.16	195	334	Peak	VERTICAL

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

Channel 140

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

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

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

Channel 54

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

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

Channel 62

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

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

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

Channel 102

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

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

Channel 110

	Freq	Level	Limit	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	5453.00	60.51	74.00	-13.49	52.75	6.60	34.22	33.06	194	335 Peak	VERTICAL
2	5468.00	62.28	68.20	-5.92	54.49	6.60	34.25	33.06	194	335 Peak	VERTICAL
3	5536.00	102.83			94.91	6.68	34.32	33.08	194	335 Average	VERTICAL
4	5536.00	112.84			104.92	6.68	34.32	33.08	194	335 Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit	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	5679.60	108.18			100.09	6.81	34.40	33.12	194	346 Peak	VERTICAL
2	5684.40	98.37			90.27	6.81	34.41	33.12	194	346 Average	VERTICAL
3	5726.40	67.13	68.20	-1.07	59.00	6.83	34.43	33.13	194	346 Peak	VERTICAL

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

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

Channel 58

	Freq	Level	Limit	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	5261.00	92.28			85.07	6.34	33.93	33.06	196	0 Average	VERTICAL
2	5262.00	102.23			95.02	6.34	33.93	33.06	196	0 Peak	VERTICAL
3	5351.00	52.82	54.00	-1.18	45.35	6.47	34.06	33.06	196	0 Average	VERTICAL
4	5362.00	64.08	74.00	-9.92	56.58	6.47	34.09	33.06	196	0 Peak	VERTICAL

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

Channel 106

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

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

Channel 122

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

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

Note:

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

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

Straddle Channel

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

Channel 144

	Freq	Level	Limit	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	5714.00	101.10			92.98	6.83	34.42	33.13	149	14	Average	HORIZONTAL
2	5715.20	110.38			102.26	6.83	34.42	33.13	149	14	Peak	HORIZONTAL
3	5873.60	61.60	68.20	-6.60	53.28	6.97	34.53	33.18	149	14	Peak	HORIZONTAL

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

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

Channel 144

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

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

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

Channel 142

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

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

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

Channel 138

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

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

Note:

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

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

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

Channel 52

	Freq	Level	Limit	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	5118.40	57.95	74.00	-16.05	51.14	6.17	33.69	33.05	205	2	Peak	VERTICAL
2	5129.80	46.56	54.00	-7.44	39.73	6.17	33.71	33.05	205	2	Average	VERTICAL
3	5263.60	107.73			100.52	6.34	33.93	33.06	205	2	Average	VERTICAL
4	5264.20	116.89			109.68	6.34	33.93	33.06	205	2	Peak	VERTICAL
5	5359.60	47.92	54.00	-6.08	40.45	6.47	34.06	33.06	205	2	Average	VERTICAL
6	5363.80	59.88	74.00	-14.12	52.38	6.47	34.09	33.06	205	2	Peak	VERTICAL

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

Channel 60

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

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

Channel 64

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

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

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

Channel 100

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

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

Channel 116

	Freq	Level	Limit	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	5420.80	62.80	74.00	-11.20	55.16	6.53	34.17	33.06	188	338 Peak	VERTICAL
2	5421.60	52.58	54.00	-1.42	44.94	6.53	34.17	33.06	188	338 Average	VERTICAL
3	5470.00	58.88	68.20	-9.32	51.09	6.60	34.25	33.06	188	338 Peak	VERTICAL
4	5582.40	109.40			101.42	6.72	34.35	33.09	188	338 Average	VERTICAL
5	5582.40	118.96			110.98	6.72	34.35	33.09	188	338 Peak	VERTICAL

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

Channel 140

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

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

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

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	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	5142.40	58.21	74.00	-15.79	51.35	6.17	33.74	33.05	198	2 Peak	VERTICAL
2	5145.40	46.20	54.00	-7.80	39.30	6.21	33.74	33.05	198	2 Average	VERTICAL
3	5258.20	116.56			109.38	6.34	33.90	33.06	198	2 Peak	VERTICAL
4	5263.60	106.84			99.63	6.34	33.93	33.06	198	2 Average	VERTICAL
5	5351.20	47.96	54.00	-6.04	40.49	6.47	34.06	33.06	198	2 Average	VERTICAL
6	5387.20	59.73	74.00	-14.27	52.18	6.50	34.11	33.06	198	2 Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	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	5293.60	106.24			98.95	6.37	33.98	33.06	198	1 Average	VERTICAL
2	5298.00	116.10			108.78	6.40	33.98	33.06	198	1 Peak	VERTICAL
3	5368.40	61.04	74.00	-12.96	53.54	6.47	34.09	33.06	198	1 Peak	VERTICAL
4	5373.60	49.01	54.00	-4.99	41.48	6.50	34.09	33.06	198	1 Average	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	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	5314.80	104.44			97.09	6.40	34.01	33.06	194	11 Average	VERTICAL
2	5314.80	116.03			108.68	6.40	34.01	33.06	194	11 Peak	VERTICAL
3	5350.00	67.34	74.00	-6.66	59.87	6.47	34.06	33.06	194	11 Peak	VERTICAL
4	5350.80	52.98	54.00	-1.02	45.51	6.47	34.06	33.06	194	11 Average	VERTICAL

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

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

Channel 100

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

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

Channel 116

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

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

Channel 140

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

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

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

Channel 54

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

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

Channel 62

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

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

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

Channel 102

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

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

Channel 110

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

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

Channel 134

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

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

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

Channel 58

	Freq	Level	Limit	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	5100.00	46.52	54.00	-7.48	39.77	6.14	33.66	33.05	198	2	Average	VERTICAL
2	5118.00	58.41	74.00	-15.59	51.63	6.14	33.69	33.05	198	2	Peak	VERTICAL
3	5263.00	94.51			87.30	6.34	33.93	33.06	198	2	Average	VERTICAL
4	5263.00	104.45			97.24	6.34	33.93	33.06	198	2	Peak	VERTICAL
5	5354.00	52.99	54.00	-1.01	45.52	6.47	34.06	33.06	198	2	Average	VERTICAL
6	5359.00	63.10	74.00	-10.90	55.63	6.47	34.06	33.06	198	2	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	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	5450.00	63.11	74.00	-10.89	55.35	6.60	34.22	33.06	195	343	Peak	VERTICAL
2	5455.00	52.99	54.00	-1.01	45.23	6.60	34.22	33.06	195	343	Average	VERTICAL
3	5465.00	63.99	68.20	-4.21	56.20	6.60	34.25	33.06	195	343	Peak	VERTICAL
4	5540.00	98.61			90.69	6.68	34.32	33.08	195	343	Average	VERTICAL
5	5545.00	107.95			100.03	6.68	34.32	33.08	195	343	Peak	VERTICAL
6	5755.00	59.24	68.20	-8.96	51.06	6.86	34.46	33.14	195	343	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit	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	64.71	74.00	-9.29	56.95	6.60	34.22	33.06	195	346	Peak	VERTICAL
2	5459.00	52.65	54.00	-1.35	44.89	6.60	34.22	33.06	195	346	Average	VERTICAL
3	5470.00	65.25	68.20	-2.95	57.46	6.60	34.25	33.06	195	346	Peak	VERTICAL
4	5595.00	100.95			92.97	6.72	34.35	33.09	195	346	Average	VERTICAL
5	5625.00	110.35			102.34	6.74	34.37	33.10	195	346	Peak	VERTICAL
6	5741.00	67.18	68.20	-1.02	59.02	6.86	34.44	33.14	195	346	Peak	VERTICAL

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

Straddle Channel

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

Channel 144

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

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

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

Channel 144

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

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

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

Channel 142

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

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

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

Channel 138

	Freq	Level	Limit	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	5683.00	99.17			91.08	6.81	34.40	33.12	197	338	Average	VERTICAL
2	5683.00	109.52			101.43	6.81	34.40	33.12	197	338	Peak	VERTICAL
3	5853.00	67.01	68.20	-1.19	58.72	6.95	34.51	33.17	197	338	Peak	VERTICAL

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

Note:

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

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

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

Channel 52

	Freq	Level	Limit	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	5104.00	47.07	54.00	-6.93	40.32	6.14	33.66	33.05	193	5 Average	VERTICAL
2	5136.80	59.97	74.00	-14.03	53.14	6.17	33.71	33.05	193	5 Peak	VERTICAL
3	5264.00	109.42			102.21	6.34	33.93	33.06	193	5 Average	VERTICAL
4	5264.80	119.93			112.72	6.34	33.93	33.06	193	5 Peak	VERTICAL
5	5357.60	61.18	74.00	-12.82	53.71	6.47	34.06	33.06	193	5 Peak	VERTICAL
6	5425.60	49.06	54.00	-4.94	41.39	6.56	34.17	33.06	193	5 Average	VERTICAL

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

Channel 60

	Freq	Level	Limit	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	119.70			112.38	6.40	33.98	33.06	189	6 Peak	VERTICAL
2	5303.20	109.64			102.32	6.40	33.98	33.06	189	6 Average	VERTICAL
3	5383.20	50.20	54.00	-3.80	42.65	6.50	34.11	33.06	189	6 Average	VERTICAL
4	5385.20	62.33	74.00	-11.67	54.78	6.50	34.11	33.06	189	6 Peak	VERTICAL

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

Channel 64

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

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

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

Channel 100

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

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

Channel 116

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

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

Channel 140

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

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

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

Channel 52

	Freq	Level	Limit	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	5144.80	58.55	74.00	-15.45	51.65	6.21	33.74	33.05	195	1 Peak	VERTICAL
2	5149.00	46.25	54.00	-7.75	39.35	6.21	33.74	33.05	195	1 Average	VERTICAL
3	5258.80	118.55			111.34	6.34	33.93	33.06	195	1 Peak	VERTICAL
4	5263.60	107.50			100.29	6.34	33.93	33.06	195	1 Average	VERTICAL
5	5350.00	47.92	54.00	-6.08	40.45	6.47	34.06	33.06	195	1 Average	VERTICAL
6	5357.20	60.46	74.00	-13.54	52.99	6.47	34.06	33.06	195	1 Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit	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	5303.20	107.46			100.14	6.40	33.98	33.06	196	2 Average	VERTICAL
2	5308.00	117.61			110.29	6.40	33.98	33.06	196	2 Peak	VERTICAL
3	5357.20	61.87	74.00	-12.13	54.40	6.47	34.06	33.06	196	2 Peak	VERTICAL
4	5374.00	49.59	54.00	-4.41	42.06	6.50	34.09	33.06	196	2 Average	VERTICAL

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

Channel 64

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

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

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

Channel 100

	Freq	Level	Limit	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	5424.80	52.38	54.00	-1.62	44.71	6.56	34.17	33.06	198	11 Average	VERTICAL
2	5424.80	64.61	74.00	-9.39	56.94	6.56	34.17	33.06	198	11 Peak	VERTICAL
3	5469.60	67.08	68.20	-1.12	59.29	6.60	34.25	33.06	198	11 Peak	VERTICAL
4	5495.20	108.58			100.74	6.63	34.27	33.06	198	11 Average	VERTICAL
5	5504.80	118.28			110.40	6.65	34.30	33.07	198	11 Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit	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	5420.80	64.95	74.00	-9.05	57.31	6.53	34.17	33.06	198	10 Peak	VERTICAL
2	5424.80	52.99	54.00	-1.01	45.32	6.56	34.17	33.06	198	10 Average	VERTICAL
3	5462.00	60.45	68.20	-7.75	52.69	6.60	34.22	33.06	198	10 Peak	VERTICAL
4	5584.80	117.95			109.97	6.72	34.35	33.09	198	10 Peak	VERTICAL
5	5585.60	106.89			98.91	6.72	34.35	33.09	198	10 Average	VERTICAL

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

Channel 140

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

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

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

Channel 54

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

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

Channel 62

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

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

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

Channel 102

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

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

Channel 110

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

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

Channel 134

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

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

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

Channel 58

	Freq	Level	Limit	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	5067.00	47.13	54.00	-6.87	40.49	6.08	33.61	33.05	203	2 Average	VERTICAL
2	5073.00	59.40	74.00	-14.60	52.71	6.11	33.63	33.05	203	2 Peak	VERTICAL
3	5263.00	94.68			87.47	6.34	33.93	33.06	203	2 Average	VERTICAL
4	5264.00	104.46			97.25	6.34	33.93	33.06	203	2 Peak	VERTICAL
5	5354.00	52.94	54.00	-1.06	45.47	6.47	34.06	33.06	203	2 Average	VERTICAL
6	5359.00	63.21	74.00	-10.79	55.74	6.47	34.06	33.06	203	2 Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	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	5455.00	63.27	74.00	-10.73	55.51	6.60	34.22	33.06	210	343 Peak	VERTICAL
2	5460.00	52.94	54.00	-1.06	45.18	6.60	34.22	33.06	210	343 Average	VERTICAL
3	5465.00	65.37	68.20	-2.83	57.58	6.60	34.25	33.06	210	343 Peak	VERTICAL
4	5520.00	96.69			88.80	6.65	34.31	33.07	210	343 Average	VERTICAL
5	5535.00	105.90			97.98	6.68	34.32	33.08	210	343 Peak	VERTICAL
6	5769.00	60.15	68.20	-8.05	51.95	6.88	34.47	33.15	210	343 Peak	VERTICAL

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

Channel 122

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

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

Straddle Channel

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

Channel 144

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

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

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

Channel 144

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

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

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

Channel 142

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

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

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

Channel 138

	Freq	Level	Limit	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	109.74			101.64	6.81	34.41	33.12	125	344	Peak	VERTICAL
2	5700.00	102.00			93.90	6.81	34.41	33.12	125	344	Average	VERTICAL
3	5852.00	66.78	68.20	-1.42	58.49	6.95	34.51	33.17	125	344	Peak	VERTICAL

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

Note:

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

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

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

Channel 52

	Freq	Level	Limit	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	5257.11	97.42			89.23	7.35	33.90	33.06	235	68 Average	HORIZONTAL
2	5257.97	109.30			101.11	7.35	33.90	33.06	235	68 Peak	HORIZONTAL
3	5350.00	47.69	54.00	-6.31	39.39	7.30	34.06	33.06	235	68 Average	HORIZONTAL
4	5353.18	61.53	74.00	-12.47	53.23	7.30	34.06	33.06	235	68 Peak	HORIZONTAL

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit	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	5317.11	95.00			86.73	7.32	34.01	33.06	220	64 Average	VERTICAL
2	5317.97	107.43			99.16	7.32	34.01	33.06	220	64 Peak	VERTICAL
3	5350.00	49.47	54.00	-4.53	41.17	7.30	34.06	33.06	220	64 Average	VERTICAL
4	5350.29	64.61	74.00	-9.39	56.31	7.30	34.06	33.06	220	64 Peak	VERTICAL

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

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

Channel 100

	Freq	Level	Limit	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	48.48	54.00	-5.52	39.94	7.38	34.22	33.06	232	77	Average	HORIZONTAL
2	5460.00	61.90	74.00	-12.10	53.36	7.38	34.22	33.06	232	77	Peak	HORIZONTAL
3	5470.00	49.60	54.00	-4.40	41.00	7.41	34.25	33.06	232	77	Average	HORIZONTAL
4	5470.00	65.18	74.00	-8.82	56.58	7.41	34.25	33.06	232	77	Peak	HORIZONTAL
5	5497.97	109.26			100.58	7.44	34.30	33.06	232	77	Peak	HORIZONTAL
6	5506.66	97.68			88.97	7.48	34.30	33.07	232	77	Average	HORIZONTAL

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

Channel 116

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

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

Channel 140

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

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

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

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit	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	5317.97	108.15			99.88	7.32	34.01	33.06	216	59 Peak	VERTICAL
2	5327.96	95.73			87.44	7.32	34.03	33.06	216	59 Average	VERTICAL
3	5350.00	50.62	54.00	-3.38	42.32	7.30	34.06	33.06	216	59 Average	VERTICAL
4	5351.30	66.25	74.00	-7.75	57.95	7.30	34.06	33.06	216	59 Peak	VERTICAL

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

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

Channel 100

	Freq	Level	Limit	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	48.39	54.00	-5.61	39.85	7.38	34.22	33.06	227	74	Average	HORIZONTAL
2	5460.00	61.97	74.00	-12.03	53.43	7.38	34.22	33.06	227	74	Peak	HORIZONTAL
3	5469.28	63.69	74.00	-10.31	55.12	7.38	34.25	33.06	227	74	Peak	HORIZONTAL
4	5470.00	49.92	54.00	-4.08	41.32	7.41	34.25	33.06	227	74	Average	HORIZONTAL
5	5503.62	108.60			99.93	7.44	34.30	33.07	227	74	Peak	HORIZONTAL
6	5506.22	97.27			88.56	7.48	34.30	33.07	227	74	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit	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	5459.57	60.17	74.00	-13.83	51.63	7.38	34.22	33.06	216	78	Peak	HORIZONTAL
2	5460.00	47.57	54.00	-6.43	39.03	7.38	34.22	33.06	216	78	Average	HORIZONTAL
3	5468.26	61.13	74.00	-12.87	52.56	7.38	34.25	33.06	216	78	Peak	HORIZONTAL
4	5470.00	47.76	54.00	-6.24	39.16	7.41	34.25	33.06	216	78	Average	HORIZONTAL
5	5577.40	97.75			88.93	7.57	34.34	33.09	216	78	Average	HORIZONTAL
6	5579.13	108.57			99.71	7.61	34.34	33.09	216	78	Peak	HORIZONTAL

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

Channel 140

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

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

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

Channel 54

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

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

Channel 62

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

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

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

Channel 102

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

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

Channel 110

	Freq	Level	Limit	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	5458.55	60.30	74.00	-13.70	51.76	7.38	34.22	33.06	230	75	Peak	HORIZONTAL
2	5460.00	48.36	54.00	-5.64	39.82	7.38	34.22	33.06	230	75	Average	HORIZONTAL
3	5468.55	62.37	74.00	-11.63	53.80	7.38	34.25	33.06	230	75	Peak	HORIZONTAL
4	5470.00	48.44	54.00	-5.56	39.84	7.41	34.25	33.06	230	75	Average	HORIZONTAL
5	5552.89	107.70			98.91	7.54	34.33	33.08	230	75	Peak	HORIZONTAL
6	5553.18	96.66			87.87	7.54	34.33	33.08	230	75	Average	HORIZONTAL

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

Channel 134

	Freq	Level	Limit	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	5652.63	91.22			82.42	7.52	34.39	33.11	223	72	Average	HORIZONTAL
2	5653.50	102.48			93.68	7.52	34.39	33.11	223	72	Peak	HORIZONTAL
3	5725.00	50.51	54.00	-3.49	41.80	7.41	34.43	33.13	223	72	Average	HORIZONTAL
4	5726.45	65.44	74.00	-8.56	56.77	7.37	34.43	33.13	223	72	Peak	HORIZONTAL

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

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

Channel 58

	Freq	Level	Limit	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	5254.69	100.08			91.89	7.35	33.90	33.06	231	79 Peak	HORIZONTAL
2	5262.50	88.89			80.68	7.34	33.93	33.06	231	79 Average	HORIZONTAL
3	5350.00	52.47	54.00	-1.53	44.17	7.30	34.06	33.06	231	79 Average	HORIZONTAL
4	5353.76	65.84	74.00	-8.16	57.54	7.30	34.06	33.06	231	79 Peak	HORIZONTAL

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

Channel 106

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

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

Channel 122

	Freq	Level	Limit	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	5576.57	100.85			92.02	7.57	34.34	33.08	211	72 Peak	VERTICAL
2	5580.91	89.71			80.85	7.61	34.34	33.09	211	72 Average	VERTICAL
3	5725.00	50.32	54.00	-3.68	41.61	7.41	34.43	33.13	211	72 Average	VERTICAL
4	5726.30	61.55	74.00	-12.45	52.84	7.41	34.43	33.13	211	72 Peak	VERTICAL

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

Note:

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

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

Straddle Channel

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

Channel 144

	Freq	Level	Limit	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	5712.91	93.56			84.86	7.41	34.42	33.13	229	59	Average	VERTICAL
2	5718.48	103.26			94.55	7.41	34.43	33.13	229	59	Peak	VERTICAL
3	5853.55	61.89	68.20	-6.31	53.00	7.54	34.52	33.17	229	59	Peak	VERTICAL

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

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

Channel 144

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

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

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

Channel 142

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

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

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

Channel 138

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

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

Note:

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

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

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

Channel 52

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

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

Channel 60

	Freq	Level	Limit	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	5296.09	111.45			103.21	7.32	33.98	33.06	225	74	Peak	HORIZONTAL
2	5305.64	101.08			92.84	7.32	33.98	33.06	225	74	Average	HORIZONTAL
3	5350.00	48.18	54.00	-5.82	39.88	7.30	34.06	33.06	225	74	Average	HORIZONTAL
4	5350.65	60.29	74.00	-13.71	51.99	7.30	34.06	33.06	225	74	Peak	HORIZONTAL

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

Channel 64

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

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

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

Channel 100

	Freq	Level	Limit	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	49.00	54.00	-5.00	40.46	7.38	34.22	33.06	227	70	Average	HORIZONTAL
2	5460.00	62.43	74.00	-11.57	53.89	7.38	34.22	33.06	227	70	Peak	HORIZONTAL
3	5469.86	66.26	74.00	-7.74	57.66	7.41	34.25	33.06	227	70	Peak	HORIZONTAL
4	5470.00	50.47	54.00	-3.53	41.87	7.41	34.25	33.06	227	70	Average	HORIZONTAL
5	5505.21	101.48			92.81	7.44	34.30	33.07	227	70	Average	HORIZONTAL
6	5505.79	112.43			103.72	7.48	34.30	33.07	227	70	Peak	HORIZONTAL

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit	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	5694.50	110.05			101.32	7.44	34.41	33.12	223	72	Peak	HORIZONTAL
2	5694.65	98.86			90.13	7.44	34.41	33.12	223	72	Average	HORIZONTAL
3	5725.58	67.76	74.00	-6.24	59.05	7.41	34.43	33.13	223	72	Peak	HORIZONTAL
4	5725.72	52.69	54.00	-1.31	43.98	7.41	34.43	33.13	223	72	Average	HORIZONTAL

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

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

Channel 52

	Freq	Level	Limit	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	5261.16	112.12			103.91	7.34	33.93	33.06	229	77 Peak	HORIZONTAL
2	5262.60	101.52			93.31	7.34	33.93	33.06	229	77 Average	HORIZONTAL
3	5350.00	47.45	54.00	-6.55	39.15	7.30	34.06	33.06	229	77 Average	HORIZONTAL
4	5351.45	60.50	74.00	-13.50	52.20	7.30	34.06	33.06	229	77 Peak	HORIZONTAL

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

Channel 60

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

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

Channel 64

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

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

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

Channel 100

	Freq	Level	Limit	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	49.11	54.00	-4.89	40.57	7.38	34.22	33.06	216	68	Average	HORIZONTAL
2	5460.00	62.20	74.00	-11.80	53.66	7.38	34.22	33.06	216	68	Peak	HORIZONTAL
3	5469.28	65.53	74.00	-8.47	56.96	7.38	34.25	33.06	216	68	Peak	HORIZONTAL
4	5470.00	51.48	54.00	-2.52	42.88	7.41	34.25	33.06	216	68	Average	HORIZONTAL
5	5492.76	100.94			92.29	7.44	34.27	33.06	216	68	Average	HORIZONTAL
6	5495.08	112.27			103.62	7.44	34.27	33.06	216	68	Peak	HORIZONTAL

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

Channel 116

	Freq	Level	Limit	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	5458.26	60.45	74.00	-13.55	51.91	7.38	34.22	33.06	216	70	Peak	HORIZONTAL
2	5460.00	47.76	54.00	-6.24	39.22	7.38	34.22	33.06	216	70	Average	HORIZONTAL
3	5470.00	47.86	54.00	-6.14	39.26	7.41	34.25	33.06	216	70	Average	HORIZONTAL
4	5470.00	60.51	74.00	-13.49	51.91	7.41	34.25	33.06	216	70	Peak	HORIZONTAL
5	5582.17	101.62			92.75	7.61	34.35	33.09	216	70	Average	HORIZONTAL
6	5582.60	112.67			103.80	7.61	34.35	33.09	216	70	Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit	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	5702.32	98.06			89.32	7.44	34.42	33.12	220	68	Average	HORIZONTAL
2	5704.92	109.70			100.97	7.44	34.42	33.13	220	68	Peak	HORIZONTAL
3	5725.00	52.83	54.00	-1.17	44.12	7.41	34.43	33.13	220	68	Average	HORIZONTAL
4	5725.00	70.34	74.00	-3.66	61.63	7.41	34.43	33.13	220	68	Peak	HORIZONTAL

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

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

Channel 54

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

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

Channel 62

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

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

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

Channel 102

	Freq	Level	Limit	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	5457.18	62.10	74.00	-11.90	53.56	7.38	34.22	33.06	234	78	Peak	VERTICAL
2	5458.48	49.56	54.00	-4.44	41.02	7.38	34.22	33.06	234	78	Average	VERTICAL
3	5468.91	52.80	54.00	-1.20	44.23	7.38	34.25	33.06	234	78	Average	VERTICAL
4	5469.13	72.31	74.00	-1.69	63.74	7.38	34.25	33.06	234	78	Peak	VERTICAL
5	5523.46	108.44			99.72	7.48	34.31	33.07	234	78	Peak	VERTICAL
6	5523.68	96.53			87.78	7.51	34.31	33.07	234	78	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit	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	49.14	54.00	-4.86	40.60	7.38	34.22	33.06	202	74	Average	HORIZONTAL
2	5460.00	61.76	74.00	-12.24	53.22	7.38	34.22	33.06	202	74	Peak	HORIZONTAL
3	5467.40	61.96	74.00	-12.04	53.39	7.38	34.25	33.06	202	74	Peak	HORIZONTAL
4	5469.42	49.22	54.00	-4.78	40.65	7.38	34.25	33.06	202	74	Average	HORIZONTAL
5	5534.66	100.21			91.46	7.51	34.32	33.08	202	74	Average	HORIZONTAL
6	5556.95	111.48			102.69	7.54	34.33	33.08	202	74	Peak	HORIZONTAL

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

Channel 134

	Freq	Level	Limit	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	5681.94	106.61			97.85	7.48	34.40	33.12	229	74	Peak	VERTICAL
2	5682.16	95.63			86.87	7.48	34.40	33.12	229	74	Average	VERTICAL
3	5725.22	52.68	54.00	-1.32	43.97	7.41	34.43	33.13	229	74	Average	VERTICAL
4	5725.65	66.40	74.00	-7.60	57.69	7.41	34.43	33.13	229	74	Peak	VERTICAL

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

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

Channel 58

	Freq	Level	Limit	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	5258.16	103.58			95.39	7.35	33.90	33.06	225	76 Peak	HORIZONTAL
2	5260.48	90.68			82.47	7.34	33.93	33.06	225	76 Average	HORIZONTAL
3	5350.29	52.96	54.00	-1.04	44.66	7.30	34.06	33.06	225	76 Average	HORIZONTAL
4	5350.29	65.80	74.00	-8.20	57.50	7.30	34.06	33.06	225	76 Peak	HORIZONTAL

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

Channel 106

	Freq	Level	Limit	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	52.68	54.00	-1.32	44.14	7.38	34.22	33.06	223	74 Average	HORIZONTAL
2	5460.00	65.04	74.00	-8.96	56.50	7.38	34.22	33.06	223	74 Peak	HORIZONTAL
3	5467.11	68.42	74.00	-5.58	59.85	7.38	34.25	33.06	223	74 Peak	HORIZONTAL
4	5469.71	52.74	54.00	-1.26	44.14	7.41	34.25	33.06	223	74 Average	HORIZONTAL
5	5540.71	105.06			96.31	7.51	34.32	33.08	223	74 Peak	HORIZONTAL
6	5545.05	93.65			84.87	7.54	34.32	33.08	223	74 Average	HORIZONTAL

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

Channel 122

	Freq	Level	Limit	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	5582.65	95.28			86.41	7.61	34.35	33.09	212	76 Average	HORIZONTAL
2	5586.99	106.07			97.20	7.61	34.35	33.09	212	76 Peak	HORIZONTAL
3	5725.43	52.93	54.00	-1.07	44.22	7.41	34.43	33.13	212	76 Average	HORIZONTAL
4	5727.17	65.39	74.00	-8.61	56.72	7.37	34.43	33.13	212	76 Peak	HORIZONTAL

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

Note:

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

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

Straddle Channel

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

Channel 144

	Freq	Level	Limit	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	5714.36	100.59			91.89	7.41	34.42	33.13	212	69	Average	HORIZONTAL
2	5724.78	110.53			101.82	7.41	34.43	33.13	212	69	Peak	HORIZONTAL
3	5851.30	61.12	68.20	-7.08	52.24	7.54	34.51	33.17	212	69	Peak	HORIZONTAL

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

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

Channel 144

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

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

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

Channel 142

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

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

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

Channel 138

	Freq	Level	Limit	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	5677.34	104.14			95.38	7.48	34.40	33.12	214	74	Peak	HORIZONTAL
2	5684.93	93.15			84.38	7.48	34.41	33.12	214	74	Average	HORIZONTAL
3	5850.00	62.28	68.20	-5.92	53.40	7.54	34.51	33.17	214	74	Peak	HORIZONTAL

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

Note:

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

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

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

Channel 52

	Freq	Level	Limit	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	5261.16	105.28			97.07	7.34	33.93	33.06	232	77 Average	HORIZONTAL
2	5261.45	115.44			107.23	7.34	33.93	33.06	232	77 Peak	HORIZONTAL
3	5350.00	47.81	54.00	-6.19	39.51	7.30	34.06	33.06	232	77 Average	HORIZONTAL
4	5350.29	60.28	74.00	-13.72	51.98	7.30	34.06	33.06	232	77 Peak	HORIZONTAL

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit	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	5321.01	102.43			94.16	7.32	34.01	33.06	210	75 Average	HORIZONTAL
2	5321.45	112.64			104.37	7.32	34.01	33.06	210	75 Peak	HORIZONTAL
3	5350.00	51.25	54.00	-2.75	42.95	7.30	34.06	33.06	210	75 Average	HORIZONTAL
4	5352.03	67.83	74.00	-6.17	59.53	7.30	34.06	33.06	210	75 Peak	HORIZONTAL

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

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

Channel 100

	Freq	Level	Limit	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	5459.57	62.74	74.00	-11.26	54.20	7.38	34.22	33.06	212	75	Peak	HORIZONTAL
2	5460.00	49.88	54.00	-4.12	41.34	7.38	34.22	33.06	212	75	Average	HORIZONTAL
3	5469.86	67.70	74.00	-6.30	59.10	7.41	34.25	33.06	212	75	Peak	HORIZONTAL
4	5470.00	51.81	54.00	-2.19	43.21	7.41	34.25	33.06	212	75	Average	HORIZONTAL
5	5499.57	114.23			105.55	7.44	34.30	33.06	212	75	Peak	HORIZONTAL
6	5500.87	104.08			95.41	7.44	34.30	33.07	212	75	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit	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	48.31	54.00	-5.69	39.77	7.38	34.22	33.06	232	74	Average	HORIZONTAL
2	5460.00	60.39	74.00	-13.61	51.85	7.38	34.22	33.06	232	74	Peak	HORIZONTAL
3	5468.91	60.06	74.00	-13.94	51.49	7.38	34.25	33.06	232	74	Peak	HORIZONTAL
4	5470.00	48.31	54.00	-5.69	39.71	7.41	34.25	33.06	232	74	Average	HORIZONTAL
5	5579.64	114.59			105.73	7.61	34.34	33.09	232	74	Peak	HORIZONTAL
6	5580.72	104.47			95.61	7.61	34.34	33.09	232	74	Average	HORIZONTAL

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

Channel 140

	Freq	Level	Limit	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	5699.57	112.09			103.36	7.44	34.41	33.12	232	76	Peak	HORIZONTAL
2	5700.72	102.11			93.37	7.44	34.42	33.12	232	76	Average	HORIZONTAL
3	5729.49	52.73	54.00	-1.27	44.06	7.37	34.43	33.13	232	76	Average	HORIZONTAL
4	5730.21	68.96	74.00	-5.04	60.29	7.37	34.43	33.13	232	76	Peak	HORIZONTAL

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

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

Channel 52

	Freq	Level	Limit	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	5266.66	113.58			105.37	7.34	33.93	33.06	275	70 Peak	VERTICAL
2	5266.95	103.20			94.99	7.34	33.93	33.06	275	70 Average	VERTICAL
3	5350.00	47.97	54.00	-6.03	39.67	7.30	34.06	33.06	275	70 Average	VERTICAL
4	5353.18	61.51	74.00	-12.49	53.21	7.30	34.06	33.06	275	70 Peak	VERTICAL

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

Channel 60

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

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

Channel 64

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

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

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

Channel 100

	Freq	Level	Limit	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	5459.86	63.17	74.00	-10.83	54.63	7.38	34.22	33.06	225	70 Peak	HORIZONTAL
2	5460.00	50.12	54.00	-3.88	41.58	7.38	34.22	33.06	225	70 Average	HORIZONTAL
3	5470.00	51.64	54.00	-2.36	43.04	7.41	34.25	33.06	225	70 Average	HORIZONTAL
4	5470.00	65.67	74.00	-8.33	57.07	7.41	34.25	33.06	225	70 Peak	HORIZONTAL
5	5495.22	103.19			94.54	7.44	34.27	33.06	225	70 Average	HORIZONTAL
6	5495.37	114.22			105.57	7.44	34.27	33.06	225	70 Peak	HORIZONTAL

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

Channel 116

	Freq	Level	Limit	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	48.17	54.00	-5.83	39.63	7.38	34.22	33.06	225	74 Average	HORIZONTAL
2	5460.00	58.72	74.00	-15.28	50.18	7.38	34.22	33.06	225	74 Peak	HORIZONTAL
3	5470.00	48.21	54.00	-5.79	39.61	7.41	34.25	33.06	225	74 Average	HORIZONTAL
4	5470.00	60.33	74.00	-13.67	51.73	7.41	34.25	33.06	225	74 Peak	HORIZONTAL
5	5585.07	104.33			95.46	7.61	34.35	33.09	225	74 Average	HORIZONTAL
6	5585.07	114.29			105.42	7.61	34.35	33.09	225	74 Peak	HORIZONTAL

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

Channel 140

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

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

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

Channel 54

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

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

Channel 62

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

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

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

Channel 102

	Freq	Level	Limit	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	5456.31	61.36	74.00	-12.64	52.82	7.38	34.22	33.06	255	74 Peak	VERTICAL
2	5456.53	49.71	54.00	-4.29	41.17	7.38	34.22	33.06	255	74 Average	VERTICAL
3	5466.53	72.87	74.00	-1.13	64.30	7.38	34.25	33.06	255	74 Peak	VERTICAL
4	5470.00	50.66	54.00	-3.34	42.06	7.41	34.25	33.06	255	74 Average	VERTICAL
5	5521.29	98.99			90.27	7.48	34.31	33.07	255	74 Average	VERTICAL
6	5521.29	110.36			101.64	7.48	34.31	33.07	255	74 Peak	VERTICAL

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

Channel 110

	Freq	Level	Limit	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	5456.53	61.87	74.00	-12.13	53.33	7.38	34.22	33.06	255	73 Peak	VERTICAL
2	5456.82	49.50	54.00	-4.50	40.96	7.38	34.22	33.06	255	73 Average	VERTICAL
3	5466.82	50.08	54.00	-3.92	41.51	7.38	34.25	33.06	255	73 Average	VERTICAL
4	5470.00	62.54	74.00	-11.46	53.94	7.41	34.25	33.06	255	73 Peak	VERTICAL
5	5536.11	102.68			93.93	7.51	34.32	33.08	255	73 Average	VERTICAL
6	5546.53	112.82			104.04	7.54	34.32	33.08	255	73 Peak	VERTICAL

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

Channel 134

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

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

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

Channel 58

	Freq	Level	Limit	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	5260.19	91.67			83.46	7.34	33.93	33.06	208	68 Average	HORIZONTAL
2	5265.11	103.38			95.17	7.34	33.93	33.06	208	68 Peak	HORIZONTAL
3	5350.00	52.77	54.00	-1.23	44.47	7.30	34.06	33.06	208	68 Average	HORIZONTAL
4	5350.29	64.77	74.00	-9.23	56.47	7.30	34.06	33.06	208	68 Peak	HORIZONTAL

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

Channel 106

	Freq	Level	Limit	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	5459.71	66.12	74.00	-7.88	57.58	7.38	34.22	33.06	208	73 Peak	HORIZONTAL
2	5460.00	52.44	54.00	-1.56	43.90	7.38	34.22	33.06	208	73 Average	HORIZONTAL
3	5470.00	52.14	54.00	-1.86	43.54	7.41	34.25	33.06	208	73 Average	HORIZONTAL
4	5470.00	66.40	74.00	-7.60	57.80	7.41	34.25	33.06	208	73 Peak	HORIZONTAL
5	5524.79	95.32			86.57	7.51	34.31	33.07	208	73 Average	HORIZONTAL
6	5534.92	105.72			96.97	7.51	34.32	33.08	208	73 Peak	HORIZONTAL

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

Channel 122

	Freq	Level	Limit	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	5596.11	95.29			86.42	7.61	34.35	33.09	250	76 Average	VERTICAL
2	5601.32	107.76			98.85	7.64	34.36	33.09	250	76 Peak	VERTICAL
3	5726.30	52.84	54.00	-1.16	44.13	7.41	34.43	33.13	250	76 Average	VERTICAL
4	5726.30	66.77	74.00	-7.23	58.06	7.41	34.43	33.13	250	76 Peak	VERTICAL

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

Note:

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

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

Straddle Channel

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

Channel 144

	Freq	Level	Limit	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	5719.13	113.47			104.76	7.41	34.43	33.13	223	70	Peak	HORIZONTAL
2	5719.57	103.55			94.84	7.41	34.43	33.13	223	70	Average	HORIZONTAL
3	5850.00	61.44	68.20	-6.76	52.56	7.54	34.51	33.17	223	70	Peak	HORIZONTAL

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

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

Channel 144

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

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

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

Channel 142

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

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

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

Channel 138

	Freq	Level	Limit	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	5699.84	98.07			89.34	7.44	34.41	33.12	205	72	Average	HORIZONTAL
2	5705.05	108.96			100.23	7.44	34.42	33.13	205	72	Peak	HORIZONTAL
3	5850.58	63.99	68.20	-4.21	55.11	7.54	34.51	33.17	205	72	Peak	HORIZONTAL

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

Note:

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

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

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

Channel 52

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

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

Channel 60

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

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

Channel 64

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

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

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

Channel 100

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

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

Channel 116

	Freq	Level	Limit	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	48.59	54.00	-5.41	40.05	7.38	34.22	33.06	250	110 Average	VERTICAL
2	5460.00	59.93	74.00	-14.07	51.39	7.38	34.22	33.06	250	110 Peak	VERTICAL
3	5470.00	48.84	54.00	-5.16	40.24	7.41	34.25	33.06	250	110 Average	VERTICAL
4	5470.00	60.36	74.00	-13.64	51.76	7.41	34.25	33.06	250	110 Peak	VERTICAL
5	5572.62	103.77			94.94	7.57	34.34	33.08	250	110 Average	VERTICAL
6	5583.47	112.85			103.98	7.61	34.35	33.09	250	110 Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit	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	5697.54	116.29			107.56	7.44	34.41	33.12	203	72 Peak	HORIZONTAL
2	5697.68	104.99			96.26	7.44	34.41	33.12	203	72 Average	HORIZONTAL
3	5725.00	52.26	54.00	-1.74	43.55	7.41	34.43	33.13	203	72 Average	HORIZONTAL
4	5725.00	69.49	74.00	-4.51	60.78	7.41	34.43	33.13	203	72 Peak	HORIZONTAL

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

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

Channel 52

	Freq	Level	Limit	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	5144.36	60.96	74.00	-13.04	53.06	7.21	33.74	33.05	237	347 Peak	HORIZONTAL
2	5150.00	48.64	54.00	-5.36	40.74	7.21	33.74	33.05	237	347 Average	HORIZONTAL
3	5263.04	106.00			97.79	7.34	33.93	33.06	237	347 Average	HORIZONTAL
4	5265.21	117.25			109.04	7.34	33.93	33.06	237	347 Peak	HORIZONTAL
5	5350.00	49.19	54.00	-4.81	40.89	7.30	34.06	33.06	237	347 Average	HORIZONTAL
6	5363.89	61.36	74.00	-12.64	53.03	7.30	34.09	33.06	237	347 Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	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	5299.13	104.51			96.27	7.32	33.98	33.06	234	0 Average	VERTICAL
2	5304.34	114.57			106.33	7.32	33.98	33.06	234	0 Peak	VERTICAL
3	5350.00	49.37	54.00	-4.63	41.07	7.30	34.06	33.06	234	0 Average	VERTICAL
4	5354.34	61.81	74.00	-12.19	53.51	7.30	34.06	33.06	234	0 Peak	VERTICAL

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

Channel 64

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

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

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

Channel 100

	Freq	Level	Limit	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	5459.71	50.49	54.00	-3.51	41.95	7.38	34.22	33.06	226	359 Average	VERTICAL
2	5460.00	63.95	74.00	-10.05	55.41	7.38	34.22	33.06	226	359 Peak	VERTICAL
3	5465.37	67.15	68.20	-1.05	58.58	7.38	34.25	33.06	226	359 Peak	VERTICAL
4	5494.21	103.88			95.23	7.44	34.27	33.06	226	359 Average	VERTICAL
5	5494.50	114.35			105.70	7.44	34.27	33.06	226	359 Peak	VERTICAL

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit	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	5704.34	100.56			91.82	7.44	34.42	33.12	258	0 Average	VERTICAL
2	5704.63	111.57			102.83	7.44	34.42	33.12	258	0 Peak	VERTICAL
3	5725.00	66.77	68.20	-1.43	58.06	7.41	34.43	33.13	258	0 Peak	VERTICAL

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

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

Channel 54

	Freq	Level	Limit	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	5264.50	100.61			92.40	7.34	33.93	33.06	250	97 Average	VERTICAL
2	5284.47	111.62			103.40	7.33	33.95	33.06	250	97 Peak	VERTICAL
3	5351.74	61.29	74.00	-12.71	52.99	7.30	34.06	33.06	250	97 Peak	VERTICAL
4	5354.05	49.08	54.00	-4.92	40.78	7.30	34.06	33.06	250	97 Average	VERTICAL

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

Channel 62

	Freq	Level	Limit	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	5299.29	95.09			86.85	7.32	33.98	33.06	250	100 Average	VERTICAL
2	5319.41	107.92			99.65	7.32	34.01	33.06	250	100 Peak	VERTICAL
3	5350.00	52.97	54.00	-1.03	44.67	7.30	34.06	33.06	250	100 Average	VERTICAL
4	5350.00	67.04	74.00	-6.96	58.74	7.30	34.06	33.06	250	100 Peak	VERTICAL

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

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

Channel 102

	Freq	Level	Limit	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	5459.35	50.39	54.00	-3.61	41.85	7.38	34.22	33.06	175	74 Average	HORIZONTAL
2	5459.35	64.58	74.00	-9.42	56.04	7.38	34.22	33.06	175	74 Peak	HORIZONTAL
3	5469.13	72.97	74.00	-1.03	64.40	7.38	34.25	33.06	175	74 Peak	HORIZONTAL
4	5469.57	52.26	54.00	-1.74	43.66	7.41	34.25	33.06	175	74 Average	HORIZONTAL
5	5524.54	100.39			91.64	7.51	34.31	33.07	175	74 Average	HORIZONTAL
6	5524.54	112.06			103.31	7.51	34.31	33.07	175	74 Peak	HORIZONTAL

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

Channel 110

	Freq	Level	Limit	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	5457.83	62.92	74.00	-11.08	54.38	7.38	34.22	33.06	181	69 Peak	HORIZONTAL
2	5459.28	50.10	54.00	-3.90	41.56	7.38	34.22	33.06	181	69 Average	HORIZONTAL
3	5469.28	50.64	54.00	-3.36	42.07	7.38	34.25	33.06	181	69 Average	HORIZONTAL
4	5470.00	63.69	74.00	-10.31	55.09	7.41	34.25	33.06	181	69 Peak	HORIZONTAL
5	5544.21	103.26			94.48	7.54	34.32	33.08	181	69 Average	HORIZONTAL
6	5544.57	114.61			105.83	7.54	34.32	33.08	181	69 Peak	HORIZONTAL

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

Channel 134

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

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

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

Channel 58

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

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	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	5445.67	66.04	74.00	-7.96	57.53	7.35	34.22	33.06	177	70	Peak	HORIZONTAL
2	5459.13	52.91	54.00	-1.09	44.37	7.38	34.22	33.06	177	70	Average	HORIZONTAL
3	5467.40	66.41	74.00	-7.59	57.84	7.38	34.25	33.06	177	70	Peak	HORIZONTAL
4	5469.13	52.52	54.00	-1.48	43.95	7.38	34.25	33.06	177	70	Average	HORIZONTAL
5	5520.01	106.64			97.92	7.48	34.31	33.07	177	70	Peak	HORIZONTAL
6	5539.55	93.99			85.24	7.51	34.32	33.08	177	70	Average	HORIZONTAL

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

Channel 122

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

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