

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5135.60	59.26	74.00	-14.74	52.43	6.17	33.71	33.05	280	348	Peak	HORIZONTAL
2	5145.20	46.83	54.00	-7.17	39.93	6.21	33.74	33.05	280	348	Average	HORIZONTAL
3	5176.80	108.76			101.78	6.24	33.79	33.05	280	348	Peak	HORIZONTAL
4	5186.60	98.87			91.89	6.24	33.79	33.05	280	348	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5117.20	46.87	54.00	-7.13	40.09	6.14	33.69	33.05	214	360	Average	VERTICAL
2	5122.80	59.08	74.00	-14.92	52.25	6.17	33.71	33.05	214	360	Peak	VERTICAL
3	5202.40	109.23			102.19	6.27	33.82	33.05	214	360	Peak	VERTICAL
4	5202.80	99.33			92.29	6.27	33.82	33.05	214	360	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5137.40	59.08	74.00	-14.92	52.25	6.17	33.71	33.05	222	353	Peak	HORIZONTAL
2	5147.60	46.32	54.00	-7.68	39.42	6.21	33.74	33.05	222	353	Average	HORIZONTAL
3	5235.80	102.07			94.95	6.30	33.87	33.05	222	353	Average	HORIZONTAL
4	5235.80	111.35			104.23	6.30	33.87	33.05	222	353	Peak	HORIZONTAL
5	5361.20	59.24	74.00	-14.76	51.74	6.47	34.09	33.06	222	353	Peak	HORIZONTAL
6	5368.40	47.70	54.00	-6.30	40.20	6.47	34.09	33.06	222	353	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5592.00	59.74	68.20	-8.46	51.65	7.87	31.86	31.64	185	2	Peak	HORIZONTAL
2	5747.00	101.07			92.85	7.83	32.10	31.71	185	2	Average	HORIZONTAL
3	5753.00	110.35			102.13	7.83	32.10	31.71	185	2	Peak	HORIZONTAL
4	5976.00	60.11	68.20	-8.09	51.44	8.01	32.47	31.81	185	2	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5589.00	59.73	68.20	-8.47	51.69	7.85	31.83	31.64	182	358	Peak	HORIZONTAL
2	5781.00	101.74			93.49	7.82	32.15	31.72	182	358	Average	HORIZONTAL
3	5781.00	111.36			103.11	7.82	32.15	31.72	182	358	Peak	HORIZONTAL
4	5947.00	59.28	68.20	-8.92	50.68	7.98	32.42	31.80	182	358	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5585.00	60.68	68.20	-7.52	52.64	7.85	31.83	31.64	179	355	Peak	HORIZONTAL
2	5828.00	104.01			95.67	7.86	32.23	31.75	179	355	Average	HORIZONTAL
3	5829.00	113.57			105.23	7.86	32.23	31.75	179	355	Peak	HORIZONTAL
4	5937.00	60.45	68.20	-7.75	51.90	7.96	32.39	31.80	179	355	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.80	59.34	74.00	-14.66	52.44	6.21	33.74	33.05	220	351	Peak	HORIZONTAL
2	5148.00	47.83	54.00	-6.17	40.93	6.21	33.74	33.05	220	351	Average	HORIZONTAL
3	5182.60	109.73			102.75	6.24	33.79	33.05	220	351	Peak	HORIZONTAL
4	5183.00	99.40			92.42	6.24	33.79	33.05	220	351	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5104.80	58.92	74.00	-15.08	52.17	6.14	33.66	33.05	222	351	Peak	HORIZONTAL
2	5116.00	46.68	54.00	-7.32	39.90	6.14	33.69	33.05	222	351	Average	HORIZONTAL
3	5205.60	110.25			103.21	6.27	33.82	33.05	222	351	Peak	HORIZONTAL
4	5208.00	100.75			93.68	6.27	33.85	33.05	222	351	Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5105.60	46.41	54.00	-7.59	39.63	6.14	33.69	33.05	218	353	Average	HORIZONTAL
2	5118.20	57.95	74.00	-16.05	51.17	6.14	33.69	33.05	218	353	Peak	HORIZONTAL
3	5232.80	102.10			94.98	6.30	33.87	33.05	218	353	Average	HORIZONTAL
4	5235.20	110.93			103.81	6.30	33.87	33.05	218	353	Peak	HORIZONTAL
5	5372.60	47.93	54.00	-6.07	40.43	6.47	34.09	33.06	218	353	Average	HORIZONTAL
6	5384.60	59.86	74.00	-14.14	52.31	6.50	34.11	33.06	218	353	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5558.00	59.61	68.20	-8.59	51.65	7.80	31.78	31.62	181	352	Peak	HORIZONTAL
2	5747.00	98.65			90.43	7.83	32.10	31.71	181	352	Average	HORIZONTAL
3	5749.00	108.58			100.36	7.83	32.10	31.71	181	352	Peak	HORIZONTAL
4	5959.00	60.12	68.20	-8.08	51.48	7.99	32.45	31.80	181	352	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5626.00	58.98	68.20	-9.22	50.87	7.86	31.91	31.66	153	334	Peak	VERTICAL
2	5787.00	99.12			90.88	7.82	32.15	31.73	153	334	Average	VERTICAL
3	5789.00	109.30			101.03	7.82	32.18	31.73	153	334	Peak	VERTICAL
4	5946.00	60.33	68.20	-7.87	51.73	7.98	32.42	31.80	153	334	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5603.00	59.49	68.20	-8.71	51.41	7.87	31.86	31.65	182	349	Peak	HORIZONTAL
2	5822.00	101.34			93.04	7.84	32.21	31.75	182	349	Average	HORIZONTAL
3	5822.00	111.02			102.72	7.84	32.21	31.75	182	349	Peak	HORIZONTAL
4	5943.00	59.76	68.20	-8.44	51.16	7.98	32.42	31.80	182	349	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.60	67.34	74.00	-6.66	60.44	6.21	33.74	33.05	225	352	Peak	HORIZONTAL
2	5150.00	52.69	54.00	-1.31	45.79	6.21	33.74	33.05	225	352	Average	HORIZONTAL
3	5202.80	97.55			90.51	6.27	33.82	33.05	225	352	Average	HORIZONTAL
4	5202.80	107.61			100.57	6.27	33.82	33.05	225	352	Peak	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.00	46.81	54.00	-7.19	39.95	6.17	33.74	33.05	224	353	Average	HORIZONTAL
2	5148.80	58.26	74.00	-15.74	51.36	6.21	33.74	33.05	224	353	Peak	HORIZONTAL
3	5220.40	108.69			101.59	6.30	33.85	33.05	224	353	Peak	HORIZONTAL
4	5235.60	98.98			91.86	6.30	33.87	33.05	224	353	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 151

	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	5584.00	59.81	68.20	-8.39	51.77	7.85	31.83	31.64	183	354 Peak	HORIZONTAL
2	5762.00	93.48			85.23	7.83	32.13	31.71	183	354 Average	HORIZONTAL
3	5762.00	103.88			95.63	7.83	32.13	31.71	183	354 Peak	HORIZONTAL
4	5975.00	60.09	68.20	-8.11	51.45	7.99	32.45	31.80	183	354 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5560.00	61.15	68.20	-7.05	53.15	7.82	31.81	31.63	184	359 Peak	HORIZONTAL
2	5801.00	97.59			89.32	7.82	32.18	31.73	184	359 Average	HORIZONTAL
3	5804.00	107.48			99.22	7.82	32.18	31.74	184	359 Peak	HORIZONTAL
4	5964.00	60.64	68.20	-7.56	52.00	7.99	32.45	31.80	184	359 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	52.31	54.00	-1.69	45.41	6.21	33.74	33.05	215	351	Average	HORIZONTAL
2	5150.00	64.45	74.00	-9.55	57.55	6.21	33.74	33.05	215	351	Peak	HORIZONTAL
3	5221.00	104.09			96.99	6.30	33.85	33.05	215	351	Peak	HORIZONTAL
4	5223.00	94.56			87.46	6.30	33.85	33.05	215	351	Average	HORIZONTAL
5	5353.00	49.33	54.00	-4.67	41.86	6.47	34.06	33.06	215	351	Average	HORIZONTAL
6	5369.00	60.63	74.00	-13.37	53.13	6.47	34.09	33.06	215	351	Peak	HORIZONTAL

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

Channel 155

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5598.00	59.74	68.20	-8.46	51.66	7.87	31.86	31.65	182	354	Peak	HORIZONTAL
2	5787.00	90.14			81.90	7.82	32.15	31.73	182	354	Average	HORIZONTAL
3	5794.00	101.09			92.82	7.82	32.18	31.73	182	354	Peak	HORIZONTAL
4	5937.00	59.41	68.20	-8.79	50.86	7.96	32.39	31.80	182	354	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 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 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	47.92	54.00	-6.08	41.02	6.21	33.74	33.05	223	352	Average	HORIZONTAL
2	5150.00	62.20	74.00	-11.80	55.30	6.21	33.74	33.05	223	352	Peak	HORIZONTAL
3	5181.40	112.91			105.93	6.24	33.79	33.05	223	352	Peak	HORIZONTAL
4	5181.60	102.46			95.48	6.24	33.79	33.05	223	352	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.00	47.63	54.00	-6.37	40.85	6.14	33.69	33.05	213	353	Average	HORIZONTAL
2	5113.20	60.39	74.00	-13.61	53.61	6.14	33.69	33.05	213	353	Peak	HORIZONTAL
3	5201.60	104.03			96.99	6.27	33.82	33.05	213	353	Average	HORIZONTAL
4	5202.00	114.04			107.00	6.27	33.82	33.05	213	353	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5102.60	45.77	54.00	-8.23	39.02	6.14	33.66	33.05	213	348	Average	VERTICAL
2	5110.40	58.94	74.00	-15.06	52.16	6.14	33.69	33.05	213	348	Peak	VERTICAL
3	5235.80	102.29			95.17	6.30	33.87	33.05	213	348	Average	VERTICAL
4	5245.40	112.55			105.40	6.30	33.90	33.05	213	348	Peak	VERTICAL
5	5353.40	60.24	74.00	-13.76	52.77	6.47	34.06	33.06	213	348	Peak	VERTICAL
6	5363.60	47.28	54.00	-6.72	39.78	6.47	34.09	33.06	213	348	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5498.00	60.38	68.20	-7.82	52.55	7.73	31.70	31.60	152	331	Peak	VERTICAL
2	5743.00	109.44			101.22	7.83	32.10	31.71	152	331	Peak	VERTICAL
3	5744.00	100.11			91.89	7.83	32.10	31.71	152	331	Average	VERTICAL
4	5993.00	59.55	68.20	-8.65	50.83	8.03	32.50	31.81	152	331	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5631.00	60.32	68.20	-7.88	52.21	7.86	31.91	31.66	182	356	Peak	HORIZONTAL
2	5782.00	106.76			98.51	7.82	32.15	31.72	182	356	Average	HORIZONTAL
3	5782.00	116.57			108.32	7.82	32.15	31.72	182	356	Peak	HORIZONTAL
4	5932.00	59.98	68.20	-8.22	51.42	7.96	32.39	31.79	182	356	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5587.00	61.21	68.20	-6.99	53.17	7.85	31.83	31.64	184	359	Peak	HORIZONTAL
2	5821.00	107.15			98.85	7.84	32.21	31.75	184	359	Average	HORIZONTAL
3	5822.00	116.19			107.89	7.84	32.21	31.75	184	359	Peak	HORIZONTAL
4	5963.00	60.11	68.20	-8.09	51.47	7.99	32.45	31.80	184	359	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 36

	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	5148.20	65.30	74.00	-8.70	58.40	6.21	33.74	33.05	219	358	Peak	HORIZONTAL
2	5148.60	49.93	54.00	-4.07	43.03	6.21	33.74	33.05	219	358	Average	HORIZONTAL
3	5173.20	102.46			95.50	6.24	33.77	33.05	219	358	Average	HORIZONTAL
4	5173.20	113.89			106.93	6.24	33.77	33.05	219	358	Peak	HORIZONTAL

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

Channel 40

	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	5120.40	47.40	54.00	-6.60	40.59	6.17	33.69	33.05	173	5	Average	VERTICAL
2	5143.60	59.15	74.00	-14.85	52.29	6.17	33.74	33.05	173	5	Peak	VERTICAL
3	5196.00	113.30			106.26	6.27	33.82	33.05	173	5	Peak	VERTICAL
4	5205.60	102.93			95.89	6.27	33.82	33.05	173	5	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5120.60	58.68	74.00	-15.32	51.87	6.17	33.69	33.05	191	353	Peak	HORIZONTAL
2	5146.40	45.97	54.00	-8.03	39.07	6.21	33.74	33.05	191	353	Average	HORIZONTAL
3	5240.60	113.11			105.99	6.30	33.87	33.05	191	353	Peak	HORIZONTAL
4	5244.80	102.27			95.12	6.30	33.90	33.05	191	353	Average	HORIZONTAL
5	5359.40	59.33	74.00	-14.67	51.86	6.47	34.06	33.06	191	353	Peak	HORIZONTAL
6	5374.40	47.35	54.00	-6.65	39.82	6.50	34.09	33.06	191	353	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 149

	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	5511.00	60.94	68.20	-7.26	53.12	7.73	31.70	31.61	182	351	Peak	HORIZONTAL
2	5742.00	113.71			105.49	7.83	32.10	31.71	182	351	Peak	HORIZONTAL
3	5747.00	103.43			95.21	7.83	32.10	31.71	182	351	Average	HORIZONTAL
4	5964.00	59.72	68.20	-8.48	51.08	7.99	32.45	31.80	182	351	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5586.00	59.32	68.20	-8.88	51.28	7.85	31.83	31.64	153	335	Peak	VERTICAL
2	5789.00	102.26			93.99	7.82	32.18	31.73	153	335	Average	VERTICAL
3	5789.00	112.19			103.92	7.82	32.18	31.73	153	335	Peak	VERTICAL
4	5944.00	60.22	68.20	-7.98	51.62	7.98	32.42	31.80	153	335	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5590.00	61.15	68.20	-7.05	53.11	7.85	31.83	31.64	181	357	Peak	HORIZONTAL
2	5821.00	104.61			96.31	7.84	32.21	31.75	181	357	Average	HORIZONTAL
3	5826.00	114.67			106.33	7.86	32.23	31.75	181	357	Peak	HORIZONTAL
4	5933.00	60.82	68.20	-7.38	52.26	7.96	32.39	31.79	181	357	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.40	67.00	74.00	-7.00	60.10	6.21	33.74	33.05	202	1	Peak	VERTICAL
2	5150.00	52.51	54.00	-1.49	45.61	6.21	33.74	33.05	202	1	Average	VERTICAL
3	5196.40	109.12			102.08	6.27	33.82	33.05	202	1	Peak	VERTICAL
4	5201.60	99.20			92.16	6.27	33.82	33.05	202	1	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5132.00	58.47	74.00	-15.53	51.64	6.17	33.71	33.05	196	332	Peak	VERTICAL
2	5143.60	47.04	54.00	-6.96	40.18	6.17	33.74	33.05	196	332	Average	VERTICAL
3	5234.00	100.78			93.66	6.30	33.87	33.05	196	332	Average	VERTICAL
4	5243.60	110.80			103.65	6.30	33.90	33.05	196	332	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 151

	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	5609.00	60.64	68.20	-7.56	52.53	7.87	31.89	31.65	151	332	Peak	VERTICAL
2	5749.00	106.07			97.85	7.83	32.10	31.71	151	332	Peak	VERTICAL
3	5764.00	95.89			87.64	7.83	32.13	31.71	151	332	Average	VERTICAL
4	5951.00	59.80	68.20	-8.40	51.20	7.98	32.42	31.80	151	332	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5629.00	61.25	68.20	-6.95	53.14	7.86	31.91	31.66	181	358	Peak	HORIZONTAL
2	5806.00	111.55			103.24	7.84	32.21	31.74	181	358	Peak	HORIZONTAL
3	5807.00	101.94			93.63	7.84	32.21	31.74	181	358	Average	HORIZONTAL
4	5952.00	62.02	68.20	-6.18	53.42	7.98	32.42	31.80	181	358	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5140.00	65.22	74.00	-8.78	58.36	6.17	33.74	33.05	188	348	Peak	HORIZONTAL
2	5150.00	52.80	54.00	-1.20	45.90	6.21	33.74	33.05	188	348	Average	HORIZONTAL
3	5225.00	95.90			88.78	6.30	33.87	33.05	188	348	Average	HORIZONTAL
4	5225.00	106.56			99.44	6.30	33.87	33.05	188	348	Peak	HORIZONTAL
5	5350.00	49.72	54.00	-4.28	42.25	6.47	34.06	33.06	188	348	Average	HORIZONTAL
6	5366.00	63.11	74.00	-10.89	55.61	6.47	34.09	33.06	188	348	Peak	HORIZONTAL

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

Channel 155

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5597.00	60.55	68.20	-7.65	52.47	7.87	31.86	31.65	182	357	Peak	HORIZONTAL
2	5761.00	93.98			85.73	7.83	32.13	31.71	182	357	Average	HORIZONTAL
3	5762.00	104.49			96.24	7.83	32.13	31.71	182	357	Peak	HORIZONTAL
4	5962.00	60.48	68.20	-7.72	51.84	7.99	32.45	31.80	182	357	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 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 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 36

	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	5105.60	49.84	54.00	-4.16	43.06	6.14	33.69	33.05	225	356	Average	HORIZONTAL
2	5146.40	62.58	74.00	-11.42	55.68	6.21	33.74	33.05	225	356	Peak	HORIZONTAL
3	5185.60	104.77			97.79	6.24	33.79	33.05	225	356	Average	HORIZONTAL
4	5186.00	114.85			107.87	6.24	33.79	33.05	225	356	Peak	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5123.20	61.00	74.00	-13.00	54.17	6.17	33.71	33.05	236	357	Peak	HORIZONTAL
2	5125.60	49.10	54.00	-4.90	42.27	6.17	33.71	33.05	236	357	Average	HORIZONTAL
3	5205.40	106.41			99.37	6.27	33.82	33.05	236	357	Average	HORIZONTAL
4	5205.40	115.49			108.45	6.27	33.82	33.05	236	357	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5134.40	47.17	54.00	-6.83	40.34	6.17	33.71	33.05	266	1	Average	VERTICAL
2	5147.00	58.73	74.00	-15.27	51.83	6.21	33.74	33.05	266	1	Peak	VERTICAL
3	5236.40	105.86			98.74	6.30	33.87	33.05	266	1	Average	VERTICAL
4	5237.00	115.02			107.90	6.30	33.87	33.05	266	1	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5641.00	60.17	68.20	-8.03	52.04	7.86	31.94	31.67	182	355	Peak	HORIZONTAL
2	5752.00	101.53			93.31	7.83	32.10	31.71	182	355	Average	HORIZONTAL
3	5753.00	110.92			102.70	7.83	32.10	31.71	182	355	Peak	HORIZONTAL
4	5963.00	60.45	68.20	-7.75	51.81	7.99	32.45	31.80	182	355	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5550.00	62.04	68.20	-6.16	54.08	7.80	31.78	31.62	181	357	Peak	HORIZONTAL
2	5792.00	114.19			105.92	7.82	32.18	31.73	181	357	Peak	HORIZONTAL
3	5793.00	104.80			96.53	7.82	32.18	31.73	181	357	Average	HORIZONTAL
4	5942.00	60.28	68.20	-7.92	51.68	7.98	32.42	31.80	181	357	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5593.00	59.67	68.20	-8.53	51.58	7.87	31.86	31.64	183	355	Peak	HORIZONTAL
2	5821.00	105.36			97.06	7.84	32.21	31.75	183	355	Average	HORIZONTAL
3	5822.00	114.71			106.41	7.84	32.21	31.75	183	355	Peak	HORIZONTAL
4	5961.00	60.18	68.20	-8.02	51.54	7.99	32.45	31.80	183	355	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 36

	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	5148.00	50.04	54.00	-3.96	43.14	6.21	33.74	33.05	218	357 Average	HORIZONTAL
2	5148.40	63.73	74.00	-10.27	56.83	6.21	33.74	33.05	218	357 Peak	HORIZONTAL
3	5173.20	103.65			96.69	6.24	33.77	33.05	218	357 Average	HORIZONTAL
4	5173.20	112.92			105.96	6.24	33.77	33.05	218	357 Peak	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5112.80	48.67	54.00	-5.33	41.89	6.14	33.69	33.05	232	1 Average	HORIZONTAL
2	5126.00	60.13	74.00	-13.87	53.30	6.17	33.71	33.05	232	1 Peak	HORIZONTAL
3	5198.00	115.18			108.14	6.27	33.82	33.05	232	1 Peak	HORIZONTAL
4	5208.00	104.57			97.50	6.27	33.85	33.05	232	1 Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5114.60	59.13	74.00	-14.87	52.35	6.14	33.69	33.05	225	1 Peak	HORIZONTAL
2	5133.80	47.21	54.00	-6.79	40.38	6.17	33.71	33.05	225	1 Average	HORIZONTAL
3	5233.40	105.24			98.12	6.30	33.87	33.05	225	1 Average	HORIZONTAL
4	5245.40	114.26			107.11	6.30	33.90	33.05	225	1 Peak	HORIZONTAL
5	5367.20	48.55	54.00	-5.45	41.05	6.47	34.09	33.06	225	1 Average	HORIZONTAL
6	5382.20	60.96	74.00	-13.04	53.41	6.50	34.11	33.06	225	1 Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5616.00	60.01	68.20	-8.19	51.91	7.87	31.89	31.66	183	354	Peak	HORIZONTAL
2	5749.00	102.39			94.17	7.83	32.10	31.71	183	354	Average	HORIZONTAL
3	5749.00	111.97			103.75	7.83	32.10	31.71	183	354	Peak	HORIZONTAL
4	5986.00	60.05	68.20	-8.15	51.38	8.01	32.47	31.81	183	354	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5550.00	61.09	68.20	-7.11	53.13	7.80	31.78	31.62	152	336	Peak	VERTICAL
2	5781.00	102.43			94.18	7.82	32.15	31.72	152	336	Average	VERTICAL
3	5786.00	112.92			104.68	7.82	32.15	31.73	152	336	Peak	VERTICAL
4	5939.00	59.87	68.20	-8.33	51.32	7.96	32.39	31.80	152	336	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5591.00	59.61	68.20	-8.59	51.57	7.85	31.83	31.64	154	338	Peak	VERTICAL
2	5821.00	103.06			94.76	7.84	32.21	31.75	154	338	Average	VERTICAL
3	5826.00	113.45			105.11	7.86	32.23	31.75	154	338	Peak	VERTICAL
4	5942.00	60.58	68.20	-7.62	51.98	7.98	32.42	31.80	154	338	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.40	67.65	74.00	-6.35	60.75	6.21	33.74	33.05	233	359	Peak	HORIZONTAL
2	5148.40	52.93	54.00	-1.07	46.03	6.21	33.74	33.05	233	359	Average	HORIZONTAL
3	5195.60	111.85			104.81	6.27	33.82	33.05	233	359	Peak	HORIZONTAL
4	5203.20	101.74			94.70	6.27	33.82	33.05	233	359	Average	HORIZONTAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5052.40	48.09	54.00	-5.91	41.48	6.08	33.58	33.05	232	1	Average	HORIZONTAL
2	5087.60	60.29	74.00	-13.71	53.60	6.11	33.63	33.05	232	1	Peak	HORIZONTAL
3	5235.60	112.05			104.93	6.30	33.87	33.05	232	1	Peak	HORIZONTAL
4	5242.80	101.61			94.46	6.30	33.90	33.05	232	1	Average	HORIZONTAL
5	5389.20	61.75	74.00	-12.25	54.20	6.50	34.11	33.06	232	1	Peak	HORIZONTAL
6	5394.00	49.43	54.00	-4.57	41.88	6.50	34.11	33.06	232	1	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5602.00	61.29	68.20	-6.91	53.21	7.87	31.86	31.65	186	352	Peak	HORIZONTAL
2	5749.00	97.81			89.59	7.83	32.10	31.71	186	352	Average	HORIZONTAL
3	5764.00	108.63			100.38	7.83	32.13	31.71	186	352	Peak	HORIZONTAL
4	5931.00	60.54	68.20	-7.66	51.98	7.96	32.39	31.79	186	352	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5572.00	60.21	68.20	-7.99	52.21	7.82	31.81	31.63	155	336	Peak	VERTICAL
2	5802.00	99.24			90.98	7.82	32.18	31.74	155	336	Average	VERTICAL
3	5806.00	110.04			101.73	7.84	32.21	31.74	155	336	Peak	VERTICAL
4	5962.00	61.43	68.20	-6.77	52.79	7.99	32.45	31.80	155	336	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5115.60	65.24	74.00	-8.76	58.46	6.14	33.69	33.05	225	359	Peak	HORIZONTAL
2	5138.00	52.99	54.00	-1.01	46.16	6.17	33.71	33.05	225	359	Average	HORIZONTAL
3	5233.20	98.11			90.99	6.30	33.87	33.05	225	359	Average	HORIZONTAL
4	5235.60	107.78			100.66	6.30	33.87	33.05	225	359	Peak	HORIZONTAL
5	5358.00	50.53	54.00	-3.47	43.06	6.47	34.06	33.06	225	359	Average	HORIZONTAL
6	5366.80	61.86	74.00	-12.14	54.36	6.47	34.09	33.06	225	359	Peak	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5643.00	60.25	68.20	-7.95	52.12	7.86	31.94	31.67	176	356	Peak	HORIZONTAL
2	5764.00	93.10			84.85	7.83	32.13	31.71	176	356	Average	HORIZONTAL
3	5764.00	104.16			95.91	7.83	32.13	31.71	176	356	Peak	HORIZONTAL
4	5985.00	60.82	68.20	-7.38	52.15	8.01	32.47	31.81	176	356	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 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 36, 40, 48 / Chain 1
Test Date	Oct. 12, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5148.40	63.18	74.00	-10.82	56.28	6.21	33.74	33.05	294	78	Peak	VERTICAL
2	5150.00	49.75	54.00	-4.25	42.85	6.21	33.74	33.05	294	78	Average	VERTICAL
3	5178.00	112.93			105.95	6.24	33.79	33.05	294	78	Peak	VERTICAL
4	5181.20	100.72			93.74	6.24	33.79	33.05	294	78	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5112.40	47.23	54.00	-6.77	40.45	6.14	33.69	33.05	288	76	Average	VERTICAL
2	5128.40	60.04	74.00	-13.96	53.21	6.17	33.71	33.05	288	76	Peak	VERTICAL
3	5202.00	101.19			94.15	6.27	33.82	33.05	288	76	Average	VERTICAL
4	5202.40	112.23			105.19	6.27	33.82	33.05	288	76	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5094.80	59.69	74.00	-14.31	52.94	6.14	33.66	33.05	251	122	Peak	HORIZONTAL
2	5098.40	46.61	54.00	-7.39	39.86	6.14	33.66	33.05	251	122	Average	HORIZONTAL
3	5238.20	103.35			96.23	6.30	33.87	33.05	251	122	Peak	HORIZONTAL
4	5241.20	93.41			86.29	6.30	33.87	33.05	251	122	Average	HORIZONTAL
5	5353.40	60.27	74.00	-13.73	52.80	6.47	34.06	33.06	251	122	Peak	HORIZONTAL
6	5374.40	48.40	54.00	-5.60	40.87	6.50	34.09	33.06	251	122	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5509.80	62.60	68.20	-5.60	54.78	7.73	31.70	31.61	177	296	Peak	HORIZONTAL
2	5748.20	101.89			93.67	7.83	32.10	31.71	177	296	Average	HORIZONTAL
3	5749.80	111.99			103.77	7.83	32.10	31.71	177	296	Peak	HORIZONTAL
4	5981.80	62.76	68.20	-5.44	54.09	8.01	32.47	31.81	177	296	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5517.80	62.08	68.20	-6.12	54.21	7.75	31.73	31.61	150	311	Peak	VERTICAL
2	5788.20	104.95			96.71	7.82	32.15	31.73	150	311	Peak	VERTICAL
3	5791.40	94.64			86.37	7.82	32.18	31.73	150	311	Average	VERTICAL
4	6028.20	64.34	68.20	-3.86	55.49	8.08	32.61	31.84	150	311	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5557.80	62.98	68.20	-5.22	55.02	7.80	31.78	31.62	157	287	Peak	HORIZONTAL
2	5826.60	113.17			104.83	7.86	32.23	31.75	157	287	Peak	HORIZONTAL
3	5829.80	103.08			94.74	7.86	32.23	31.75	157	287	Average	HORIZONTAL
4	6065.00	62.61	68.20	-5.59	53.63	8.12	32.73	31.87	157	287	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1
Test Date	Oct. 12, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5144.40	60.63	74.00	-13.37	53.73	6.21	33.74	33.05	292	76 Peak	VERTICAL
2	5150.00	48.11	54.00	-5.89	41.21	6.21	33.74	33.05	292	76 Average	VERTICAL
3	5187.60	98.45			91.47	6.24	33.79	33.05	292	76 Average	VERTICAL
4	5188.00	108.81			101.83	6.24	33.79	33.05	292	76 Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5112.00	46.66	54.00	-7.34	39.88	6.14	33.69	33.05	263	81 Average	VERTICAL
2	5141.20	59.59	74.00	-14.41	52.73	6.17	33.74	33.05	263	81 Peak	VERTICAL
3	5201.60	99.63			92.59	6.27	33.82	33.05	263	81 Average	VERTICAL
4	5204.80	110.50			103.46	6.27	33.82	33.05	263	81 Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5095.40	46.53	54.00	-7.47	39.78	6.14	33.66	33.05	253	123 Average	HORIZONTAL
2	5098.40	58.49	74.00	-15.51	51.74	6.14	33.66	33.05	253	123 Peak	HORIZONTAL
3	5243.60	93.16			86.01	6.30	33.90	33.05	253	123 Average	HORIZONTAL
4	5246.00	102.83			95.65	6.34	33.90	33.06	253	123 Peak	HORIZONTAL
5	5382.80	60.88	74.00	-13.12	53.33	6.50	34.11	33.06	253	123 Peak	HORIZONTAL
6	5383.40	48.31	54.00	-5.69	40.76	6.50	34.11	33.06	253	123 Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5649.00	62.25	68.20	-5.95	54.12	7.86	31.94	31.67	176	296	Peak	HORIZONTAL
2	5748.20	102.72			94.50	7.83	32.10	31.71	176	296	Average	HORIZONTAL
3	5748.20	112.92			104.70	7.83	32.10	31.71	176	296	Peak	HORIZONTAL
4	5962.60	62.79	68.20	-5.41	54.15	7.99	32.45	31.80	176	296	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5551.40	62.52	68.20	-5.68	54.56	7.80	31.78	31.62	162	298	Peak	HORIZONTAL
2	5778.60	113.61			105.36	7.82	32.15	31.72	162	298	Peak	HORIZONTAL
3	5780.20	103.31			95.06	7.82	32.15	31.72	162	298	Average	HORIZONTAL
4	5965.80	64.15	68.20	-4.05	55.51	7.99	32.45	31.80	162	298	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5588.20	62.86	68.20	-5.34	54.82	7.85	31.83	31.64	157	289	Peak	HORIZONTAL
2	5828.20	113.02			104.68	7.86	32.23	31.75	157	289	Peak	HORIZONTAL
3	5829.80	102.48			94.14	7.86	32.23	31.75	157	289	Average	HORIZONTAL
4	6060.20	63.46	68.20	-4.74	54.56	8.10	32.67	31.87	157	289	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1
Test Date	Oct. 13, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.20	66.41	74.00	-7.59	59.51	6.21	33.74	33.05	239	75	Peak	VERTICAL
2	5150.00	52.73	54.00	-1.27	45.83	6.21	33.74	33.05	239	75	Average	VERTICAL
3	5203.20	107.22			100.18	6.27	33.82	33.05	239	75	Peak	VERTICAL
4	5204.00	97.74			90.70	6.27	33.82	33.05	239	75	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5090.80	59.42	74.00	-14.58	52.70	6.11	33.66	33.05	300	77	Peak	VERTICAL
2	5149.60	47.40	54.00	-6.60	40.50	6.21	33.74	33.05	300	77	Average	VERTICAL
3	5216.20	98.07			91.00	6.27	33.85	33.05	300	77	Average	VERTICAL
4	5221.60	109.05			101.95	6.30	33.85	33.05	300	77	Peak	VERTICAL
5	5370.40	60.29	74.00	-13.71	52.79	6.47	34.09	33.06	300	77	Peak	VERTICAL
6	5375.20	48.53	54.00	-5.47	41.00	6.50	34.09	33.06	300	77	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5579.00	62.98	68.20	-5.22	54.94	7.85	31.83	31.64	166	296	Peak	HORIZONTAL
2	5761.40	99.70			91.45	7.83	32.13	31.71	166	296	Average	HORIZONTAL
3	5763.00	110.59			102.34	7.83	32.13	31.71	166	296	Peak	HORIZONTAL
4	6086.20	62.57	68.20	-5.63	53.51	8.15	32.79	31.88	166	296	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5548.60	62.42	68.20	-5.78	54.46	7.80	31.78	31.62	150	286	Peak	HORIZONTAL
2	5785.40	109.79			101.55	7.82	32.15	31.73	150	286	Peak	HORIZONTAL
3	5790.20	99.22			90.95	7.82	32.18	31.73	150	286	Average	HORIZONTAL
4	5948.60	64.15	68.20	-4.05	55.55	7.98	32.42	31.80	150	286	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1
Test Date	Oct. 13, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5138.00	63.22	74.00	-10.78	56.39	6.17	33.71	33.05	263	81	Peak	VERTICAL
2	5149.00	52.70	54.00	-1.30	45.80	6.21	33.74	33.05	263	81	Average	VERTICAL
3	5239.00	94.82			87.70	6.30	33.87	33.05	263	81	Average	VERTICAL
4	5245.00	103.78			96.63	6.30	33.90	33.05	263	81	Peak	VERTICAL
5	5354.00	49.82	54.00	-4.18	42.35	6.47	34.06	33.06	263	81	Average	VERTICAL
6	5367.00	62.98	74.00	-11.02	55.48	6.47	34.09	33.06	263	81	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5563.80	62.30	68.20	-5.90	54.30	7.82	31.81	31.63	163	298	Peak	HORIZONTAL
2	5762.20	104.98			96.73	7.83	32.13	31.71	163	298	Peak	HORIZONTAL
3	5763.80	94.26			86.01	7.83	32.13	31.71	163	298	Average	HORIZONTAL
4	5951.00	62.64	68.20	-5.56	54.04	7.98	32.42	31.80	163	298	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 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 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 12, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5097.20	60.42	74.00	-13.58	53.67	6.14	33.66	33.05	271	81	Peak	VERTICAL
2	5105.60	47.63	54.00	-6.37	40.85	6.14	33.69	33.05	271	81	Average	VERTICAL
3	5186.00	100.48			93.50	6.24	33.79	33.05	271	81	Average	VERTICAL
4	5186.00	111.16			104.18	6.24	33.79	33.05	271	81	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5117.20	48.54	54.00	-5.46	41.76	6.14	33.69	33.05	299	134	Average	VERTICAL
2	5126.00	61.13	74.00	-12.87	54.30	6.17	33.71	33.05	299	134	Peak	VERTICAL
3	5202.80	103.69			96.65	6.27	33.82	33.05	299	134	Average	VERTICAL
4	5202.80	114.29			107.25	6.27	33.82	33.05	299	134	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5131.40	60.49	74.00	-13.51	53.66	6.17	33.71	33.05	250	124	Peak	VERTICAL
2	5145.20	47.31	54.00	-6.69	40.41	6.21	33.74	33.05	250	124	Average	VERTICAL
3	5237.00	113.57			106.45	6.30	33.87	33.05	250	124	Peak	VERTICAL
4	5246.60	104.07			96.89	6.34	33.90	33.06	250	124	Average	VERTICAL
5	5359.40	48.43	54.00	-5.57	40.96	6.47	34.06	33.06	250	124	Average	VERTICAL
6	5385.80	60.57	74.00	-13.43	53.02	6.50	34.11	33.06	250	124	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5581.80	63.02	68.20	-5.18	54.98	7.85	31.83	31.64	150	307	Peak	VERTICAL
2	5749.80	94.59			86.37	7.83	32.10	31.71	150	307	Average	VERTICAL
3	5749.80	104.86			96.64	7.83	32.10	31.71	150	307	Peak	VERTICAL
4	5925.80	63.09	68.20	-5.11	54.53	7.96	32.39	31.79	150	307	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5540.20	63.09	68.20	-5.11	55.18	7.78	31.75	31.62	100	290	Peak	HORIZONTAL
2	5778.60	116.57			108.32	7.82	32.15	31.72	100	290	Peak	HORIZONTAL
3	5788.20	106.78			98.54	7.82	32.15	31.73	100	290	Average	HORIZONTAL
4	6034.60	62.96	68.20	-5.24	54.11	8.08	32.61	31.84	100	290	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5577.00	63.88	68.20	-4.32	55.83	7.85	31.8		10	296	Peak	HORIZONTAL
2	5826.60	108.07			99.73	7.86	32.23	31.75	100	296	Average	HORIZONTAL
3	5833.00	118.44			110.10	7.86	32.23	31.75	100	296	Peak	HORIZONTAL
4	5945.00	63.28	68.20	-4.92	54.68	7.98	32.42	31.80	100	296	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 12, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.60	61.15	74.00	-12.85	54.25	6.21	33.74	33.05	300	78	Peak	VERTICAL
2	5150.00	49.15	54.00	-4.85	42.25	6.21	33.74	33.05	300	78	Average	VERTICAL
3	5185.60	111.17			104.19	6.24	33.79	33.05	300	78	Peak	VERTICAL
4	5187.60	100.77			93.79	6.24	33.79	33.05	300	78	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.20	61.44	74.00	-12.56	54.54	6.21	33.74	33.05	300	80	Peak	VERTICAL
2	5148.00	49.06	54.00	-4.94	42.16	6.21	33.74	33.05	300	80	Average	VERTICAL
3	5185.20	110.68			103.70	6.24	33.79	33.05	300	80	Peak	VERTICAL
4	5188.00	100.72			93.74	6.24	33.79	33.05	300	80	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5111.00	58.29	74.00	-15.71	51.51	6.14	33.69	33.05	274	193	Peak	HORIZONTAL
2	5117.60	46.55	54.00	-7.45	39.77	6.14	33.69	33.05	274	193	Average	HORIZONTAL
3	5233.40	94.34			87.22	6.30	33.87	33.05	274	193	Average	HORIZONTAL
4	5234.00	104.23			97.11	6.30	33.87	33.05	274	193	Peak	HORIZONTAL
5	5354.60	60.37	74.00	-13.63	52.90	6.47	34.06	33.06	274	193	Peak	HORIZONTAL
6	5374.40	48.39	54.00	-5.61	40.86	6.50	34.09	33.06	274	193	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 149

	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	5509.80	62.73	68.20	-5.47	54.91	7.73	31.70	31.61	141	308	Peak	VERTICAL
2	5749.80	93.91			85.69	7.83	32.10	31.71	141	308	Average	VERTICAL
3	5749.80	103.08			94.86	7.83	32.10	31.71	141	308	Peak	VERTICAL
4	6060.20	62.92	68.20	-5.28	54.02	8.10	32.67	31.87	141	308	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5471.40	63.07	68.20	-5.13	55.30	7.69	31.68	31.60	100	287	Peak	HORIZONTAL
2	5781.80	105.12			96.87	7.82	32.15	31.72	100	287	Average	HORIZONTAL
3	5781.80	115.04			106.79	7.82	32.15	31.72	100	287	Peak	HORIZONTAL
4	6034.60	63.04	68.20	-5.16	54.19	8.08	32.61	31.84	100	287	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5577.00	64.48	68.20	-3.72	56.43	7.85	31.83	31.63	100	297	Peak	HORIZONTAL
2	5828.20	116.85			108.51	7.86	32.23	31.75	100	297	Peak	HORIZONTAL
3	5831.40	105.92			97.58	7.86	32.23	31.75	100	297	Average	HORIZONTAL
4	5978.60	63.01	68.20	-5.19	54.34	8.01	32.47	31.81	100	297	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 12, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.60	64.93	74.00	-9.07	58.03	6.21	33.74	33.05	288	78	Peak	VERTICAL
2	5150.00	52.51	54.00	-1.49	45.61	6.21	33.74	33.05	288	78	Average	VERTICAL
3	5205.20	99.50			92.46	6.27	33.82	33.05	288	78	Average	VERTICAL
4	5205.20	109.43			102.39	6.27	33.82	33.05	288	78	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5134.40	59.75	74.00	-14.25	52.92	6.17	33.71	33.05	299	79	Peak	VERTICAL
2	5150.00	48.47	54.00	-5.53	41.57	6.21	33.74	33.05	299	79	Average	VERTICAL
3	5215.20	101.05			93.98	6.27	33.85	33.05	299	79	Average	VERTICAL
4	5215.60	110.49			103.42	6.27	33.85	33.05	299	79	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 151

	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	5585.40	63.36	68.20	-4.84	55.32	7.85	31.83	31.64	101	297	Peak	HORIZONTAL
2	5761.40	108.67			100.42	7.83	32.13	31.71	101	297	Peak	HORIZONTAL
3	5764.60	97.98			89.74	7.83	32.13	31.72	101	297	Average	HORIZONTAL
4	5998.20	63.60	68.20	-4.60	54.89	8.03	32.50	31.82	101	297	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5638.20	62.66	68.20	-5.54	54.56	7.86	31.91	31.67	100	293	Peak	HORIZONTAL
2	5787.00	111.03			102.79	7.82	32.15	31.73	100	293	Peak	HORIZONTAL
3	5801.40	100.88			92.61	7.82	32.18	31.73	100	293	Average	HORIZONTAL
4	5948.60	64.86	68.20	-3.34	56.26	7.98	32.42	31.80	100	293	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 12, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 42

	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	5145.00	63.15	74.00	-10.85	56.25	6.21	33.74	33.05	300	126 Peak	VERTICAL
2	5148.00	52.96	54.00	-1.04	46.06	6.21	33.74	33.05	300	126 Average	VERTICAL
3	5223.00	104.68			97.58	6.30	33.85	33.05	300	126 Peak	VERTICAL
4	5241.00	95.73			88.61	6.30	33.87	33.05	300	126 Average	VERTICAL
5	5357.00	60.57	74.00	-13.43	53.10	6.47	34.06	33.06	300	126 Peak	VERTICAL
6	5359.00	49.85	54.00	-4.15	42.38	6.47	34.06	33.06	300	126 Average	VERTICAL

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

Channel 155

	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	5647.00	62.47	68.20	-5.73	54.34	7.86	31.94	31.67	100	302 Peak	HORIZONTAL
2	5759.00	104.98			96.73	7.83	32.13	31.71	100	302 Peak	HORIZONTAL
3	5760.60	93.79			85.54	7.83	32.13	31.71	100	302 Average	HORIZONTAL
4	6005.40	62.52	68.20	-5.68	53.81	8.03	32.50	31.82	100	302 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 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 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.20	62.23	74.00	-11.77	55.33	6.21	33.74	33.05	300	319	Peak	VERTICAL
2	5150.00	48.77	54.00	-5.23	41.87	6.21	33.74	33.05	300	319	Average	VERTICAL
3	5181.20	103.67			96.69	6.24	33.79	33.05	300	319	Average	VERTICAL
4	5181.20	114.42			107.44	6.24	33.79	33.05	300	319	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.40	47.49	54.00	-6.51	40.71	6.14	33.69	33.05	230	198	Average	VERTICAL
2	5122.40	59.66	74.00	-14.34	52.85	6.17	33.69	33.05	230	198	Peak	VERTICAL
3	5202.00	103.69			96.65	6.27	33.82	33.05	230	198	Average	VERTICAL
4	5202.00	114.27			107.23	6.27	33.82	33.05	230	198	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5111.00	46.22	54.00	-7.78	39.44	6.14	33.69	33.05	247	307	Average	VERTICAL
2	5135.00	58.88	74.00	-15.12	52.05	6.17	33.71	33.05	247	307	Peak	VERTICAL
3	5242.40	114.87			107.72	6.30	33.90	33.05	247	307	Peak	VERTICAL
4	5243.00	104.20			97.05	6.30	33.90	33.05	247	307	Average	VERTICAL
5	5375.00	47.59	54.00	-6.41	40.06	6.50	34.09	33.06	247	307	Average	VERTICAL
6	5382.20	60.20	74.00	-13.80	52.65	6.50	34.11	33.06	247	307	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5512.90	62.60	68.20	-5.60	54.73	7.75	31.73	31.61	144	296	Peak	HORIZONTAL
2	5742.80	115.46			107.24	7.83	32.10	31.71	144	296	Peak	HORIZONTAL
3	5752.70	106.27			98.05	7.83	32.10	31.71	144	296	Average	HORIZONTAL
4	5977.10	61.61	68.20	-6.59	52.94	8.01	32.47	31.81	144	296	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5536.60	62.41	68.20	-5.79	54.50	7.78	31.75	31.62	280	291	Peak	HORIZONTAL
2	5789.80	106.98			98.71	7.82	32.18	31.73	280	291	Average	HORIZONTAL
3	5789.80	116.51			108.24	7.82	32.18	31.73	280	291	Peak	HORIZONTAL
4	6019.00	61.64	68.20	-6.56	52.87	8.05	32.56	31.84	280	291	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5587.40	62.07	68.20	-6.13	54.03	7.85	31.83	31.64	123	285	Peak	HORIZONTAL
2	5832.20	106.42			98.08	7.86	32.23	31.75	123	285	Average	HORIZONTAL
3	5832.20	116.06			107.72	7.86	32.23	31.75	123	285	Peak	HORIZONTAL
4	5940.20	61.88	68.20	-6.32	53.33	7.96	32.39	31.80	123	285	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.00	62.39	74.00	-11.61	55.49	6.21	33.74	33.05	300	202	Peak	VERTICAL
2	5148.40	49.11	54.00	-4.89	42.21	6.21	33.74	33.05	300	202	Average	VERTICAL
3	5177.60	113.04			106.06	6.24	33.79	33.05	300	202	Peak	VERTICAL
4	5187.20	102.33			95.35	6.24	33.79	33.05	300	202	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.80	47.80	54.00	-6.20	41.02	6.14	33.69	33.05	226	200	Average	VERTICAL
2	5117.60	60.34	74.00	-13.66	53.56	6.14	33.69	33.05	226	200	Peak	VERTICAL
3	5192.80	113.37			106.36	6.24	33.82	33.05	226	200	Peak	VERTICAL
4	5197.60	102.75			95.71	6.27	33.82	33.05	226	200	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.20	46.35	54.00	-7.65	39.57	6.14	33.69	33.05	225	203	Average	VERTICAL
2	5123.00	59.22	74.00	-14.78	52.39	6.17	33.71	33.05	225	203	Peak	VERTICAL
3	5237.60	114.18			107.06	6.30	33.87	33.05	225	203	Peak	VERTICAL
4	5243.00	103.41			96.26	6.30	33.90	33.05	225	203	Average	VERTICAL
5	5373.80	60.78	74.00	-13.22	53.25	6.50	34.09	33.06	225	203	Peak	VERTICAL
6	5374.40	47.63	54.00	-6.37	40.10	6.50	34.09	33.06	225	203	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5511.80	62.73	68.20	-5.47	54.86	7.75	31.73	31.61	150	292	Peak	HORIZONTAL
2	5741.70	113.88			105.66	7.83	32.10	31.71	150	292	Peak	HORIZONTAL
3	5747.20	104.09			95.87	7.83	32.10	31.71	150	292	Average	HORIZONTAL
4	5984.80	62.25	68.20	-5.95	53.58	8.01	32.47	31.81	150	292	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5535.40	62.28	68.20	-5.92	54.37	7.78	31.75	31.62	280	318	Peak	HORIZONTAL
2	5777.80	117.48			109.23	7.82	32.15	31.72	280	318	Peak	HORIZONTAL
3	5782.60	106.73			98.48	7.82	32.15	31.72	280	318	Average	HORIZONTAL
4	6019.00	62.89	68.20	-5.31	54.12	8.05	32.56	31.84	280	318	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5624.60	60.72	68.20	-7.48	52.61	7.86	31.91	31.66	295	352	Peak	VERTICAL
2	5821.40	99.23			90.93	7.84	32.21	31.75	295	352	Average	VERTICAL
3	5831.00	109.17			100.83	7.86	32.23	31.75	295	352	Peak	VERTICAL
4	5930.60	61.82	68.20	-6.38	53.26	7.96	32.39	31.79	295	352	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.60	68.50	74.00	-5.50	61.60	6.21	33.74	33.05	225	199	Peak	VERTICAL
2	5148.00	52.89	54.00	-1.11	45.99	6.21	33.74	33.05	225	199	Average	VERTICAL
3	5197.60	98.55			91.51	6.27	33.82	33.05	225	199	Average	VERTICAL
4	5197.60	109.82			102.78	6.27	33.82	33.05	225	199	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.20	47.35	54.00	-6.65	40.45	6.21	33.74	33.05	224	203	Average	VERTICAL
2	5147.60	59.75	74.00	-14.25	52.85	6.21	33.74	33.05	224	203	Peak	VERTICAL
3	5242.80	100.35			93.20	6.30	33.90	33.05	224	203	Average	VERTICAL
4	5242.80	111.44			104.29	6.30	33.90	33.05	224	203	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 151

	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	5591.80	61.69	68.20	-6.51	53.60	7.87	31.86	31.64	277	315	Peak	HORIZONTAL
2	5762.20	100.23			91.98	7.83	32.13	31.71	277	315	Average	HORIZONTAL
3	5768.20	109.50			101.26	7.83	32.13	31.72	277	315	Peak	HORIZONTAL
4	5939.80	61.81	68.20	-6.39	53.26	7.96	32.39	31.80	277	315	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5631.80	62.64	68.20	-5.56	54.53	7.86	31.91	31.66	278	319	Peak	HORIZONTAL
2	5787.80	102.30			94.06	7.82	32.15	31.73	278	319	Average	HORIZONTAL
3	5787.80	112.40			104.16	7.82	32.15	31.73	278	319	Peak	HORIZONTAL
4	5953.40	62.90	68.20	-5.30	54.30	7.98	32.42	31.80	278	319	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5114.00	64.77	74.00	-9.23	57.99	6.14	33.69	33.05	300	224	Peak	VERTICAL
2	5150.00	52.54	54.00	-1.46	45.64	6.21	33.74	33.05	300	224	Average	VERTICAL
3	5227.00	106.63			99.51	6.30	33.87	33.05	300	224	Peak	VERTICAL
4	5237.00	97.45			90.33	6.30	33.87	33.05	300	224	Average	VERTICAL
5	5353.00	61.82	74.00	-12.18	54.35	6.47	34.06	33.06	300	224	Peak	VERTICAL
6	5368.00	49.86	54.00	-4.14	42.36	6.47	34.09	33.06	300	224	Average	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5637.00	62.36	68.20	-5.84	54.26	7.86	31.91	31.67	208	292	Peak	HORIZONTAL
2	5758.20	95.09			86.84	7.83	32.13	31.71	208	292	Average	HORIZONTAL
3	5763.00	104.79			96.54	7.83	32.13	31.71	208	292	Peak	HORIZONTAL
4	5927.40	61.10	68.20	-7.10	52.54	7.96	32.39	31.79	208	292	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 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 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 36

	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	5101.60	47.54	54.00	-6.46	40.79	6.14	33.66	33.05	264	76 Average	VERTICAL
2	5101.60	59.46	74.00	-14.54	52.71	6.14	33.66	33.05	264	76 Peak	VERTICAL
3	5182.00	112.56			105.58	6.24	33.79	33.05	264	76 Peak	VERTICAL
4	5182.40	102.19			95.21	6.24	33.79	33.05	264	76 Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5113.60	58.55	74.00	-15.45	51.77	6.14	33.69	33.05	248	5 Peak	VERTICAL
2	5124.80	47.01	54.00	-6.99	40.18	6.17	33.71	33.05	248	5 Average	VERTICAL
3	5205.60	113.04			106.00	6.27	33.82	33.05	248	5 Peak	VERTICAL
4	5206.00	102.94			95.90	6.27	33.82	33.05	248	5 Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5144.00	59.39	74.00	-14.61	52.49	6.21	33.74	33.05	280	261 Peak	VERTICAL
2	5150.00	45.89	54.00	-8.11	38.99	6.21	33.74	33.05	280	261 Average	VERTICAL
3	5242.40	105.06			97.91	6.30	33.90	33.05	280	261 Average	VERTICAL
4	5243.00	114.67			107.52	6.30	33.90	33.05	280	261 Peak	VERTICAL
5	5350.00	47.18	54.00	-6.82	39.71	6.47	34.06	33.06	280	261 Average	VERTICAL
6	5356.60	59.93	74.00	-14.07	52.46	6.47	34.06	33.06	280	261 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5508.50	62.36	68.20	-5.84	54.54	7.73	31.70	31.61	211	293	Peak	HORIZONTAL
2	5749.40	114.75			106.53	7.83	32.10	31.71	211	293	Peak	HORIZONTAL
3	5750.50	105.30			97.08	7.83	32.10	31.71	211	293	Average	HORIZONTAL
4	5991.40	61.24	68.20	-6.96	52.57	8.01	32.47	31.81	211	293	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5535.40	63.22	68.20	-4.98	55.31	7.78	31.75	31.62	218	294	Peak	HORIZONTAL
2	5789.80	107.40			99.13	7.82	32.18	31.73	218	294	Average	HORIZONTAL
3	5789.80	116.36			108.09	7.82	32.18	31.73	218	294	Peak	HORIZONTAL
4	5949.40	61.68	68.20	-6.52	53.08	7.98	32.42	31.80	218	294	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5582.60	61.95	68.20	-6.25	53.91	7.85	31.83	31.64	214	296	Peak	HORIZONTAL
2	5829.80	118.03			109.69	7.86	32.23	31.75	214	296	Peak	HORIZONTAL
3	5831.00	109.03			100.69	7.86	32.23	31.75	214	296	Average	HORIZONTAL
4	6061.40	62.10	68.20	-6.10	53.20	8.10	32.67	31.87	214	296	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5095.20	48.00	54.00	-6.00	41.25	6.14	33.66	33.05	276	260	Average	VERTICAL
2	5145.60	61.74	74.00	-12.26	54.84	6.21	33.74	33.05	276	260	Peak	VERTICAL
3	5180.80	101.56			94.58	6.24	33.79	33.05	276	260	Average	VERTICAL
4	5186.00	111.92			104.94	6.24	33.79	33.05	276	260	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5125.20	46.78	54.00	-7.22	39.95	6.17	33.71	33.05	271	94	Average	VERTICAL
2	5137.20	58.34	74.00	-15.66	51.51	6.17	33.71	33.05	271	94	Peak	VERTICAL
3	5202.80	113.17			106.13	6.27	33.82	33.05	271	94	Peak	VERTICAL
4	5206.00	102.89			95.85	6.27	33.82	33.05	271	94	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.20	59.28	74.00	-14.72	52.50	6.14	33.69	33.05	290	269	Peak	VERTICAL
2	5150.00	46.15	54.00	-7.85	39.25	6.21	33.74	33.05	290	269	Average	VERTICAL
3	5235.80	103.90			96.78	6.30	33.87	33.05	290	269	Average	VERTICAL
4	5242.40	114.41			107.26	6.30	33.90	33.05	290	269	Peak	VERTICAL
5	5362.40	59.72	74.00	-14.28	52.22	6.47	34.09	33.06	290	269	Peak	VERTICAL
6	5373.20	47.49	54.00	-6.51	39.99	6.47	34.09	33.06	290	269	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5501.90	61.60	68.20	-6.60	53.77	7.73	31.70	31.60	210	287	Peak	HORIZONTAL
2	5748.30	105.09			96.87	7.83	32.10	31.71	210	287	Average	HORIZONTAL
3	5748.30	115.32			107.10	7.83	32.10	31.71	210	287	Peak	HORIZONTAL
4	5982.60	61.58	68.20	-6.62	52.91	8.01	32.47	31.81	210	287	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5535.40	63.51	68.20	-4.69	55.60	7.78	31.75	31.62	205	296	Peak	HORIZONTAL
2	5782.60	107.20			98.95	7.82	32.15	31.72	205	296	Average	HORIZONTAL
3	5788.60	115.99			107.75	7.82	32.15	31.73	205	296	Peak	HORIZONTAL
4	6031.00	62.51	68.20	-5.69	53.66	8.08	32.61	31.84	205	296	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5587.40	61.80	68.20	-6.40	53.76	7.85	31.83	31.64	214	300	Peak	HORIZONTAL
2	5827.40	106.67			98.33	7.86	32.23	31.75	214	300	Average	HORIZONTAL
3	5828.60	117.07			108.73	7.86	32.23	31.75	214	300	Peak	HORIZONTAL
4	5979.80	61.26	68.20	-6.94	52.59	8.01	32.47	31.81	214	300	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.20	50.06	54.00	-3.94	43.16	6.21	33.74	33.05	250	75	Average	VERTICAL
2	5147.60	65.94	74.00	-8.06	59.04	6.21	33.74	33.05	250	75	Peak	VERTICAL
3	5202.00	109.59			102.55	6.27	33.82	33.05	250	75	Peak	VERTICAL
4	5202.40	100.12			93.08	6.27	33.82	33.05	250	75	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.00	59.33	74.00	-14.67	52.43	6.21	33.74	33.05	290	89	Peak	VERTICAL
2	5150.00	47.18	54.00	-6.82	40.28	6.21	33.74	33.05	290	89	Average	VERTICAL
3	5240.80	100.42			93.30	6.30	33.87	33.05	290	89	Average	VERTICAL
4	5245.60	109.84			102.69	6.30	33.90	33.05	290	89	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5585.80	63.20	68.20	-5.00	55.16	7.85	31.83	31.64	218	316	Peak	HORIZONTAL
2	5761.00	100.22			91.97	7.83	32.13	31.71	218	316	Average	HORIZONTAL
3	5761.00	110.48			102.23	7.83	32.13	31.71	218	316	Peak	HORIZONTAL
4	5930.20	62.14	68.20	-6.06	53.58	7.96	32.39	31.79	218	316	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5621.00	63.12	68.20	-5.08	55.02	7.87	31.89	31.66	284	294	Peak	HORIZONTAL
2	5789.00	102.62			94.35	7.82	32.18	31.73	284	294	Average	HORIZONTAL
3	5804.60	112.85			104.59	7.82	32.18	31.74	284	294	Peak	HORIZONTAL
4	5945.00	63.01	68.20	-5.19	54.41	7.98	32.42	31.80	284	294	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5118.00	65.43	74.00	-8.57	58.65	6.14	33.69	33.05	250	88	Peak	VERTICAL
2	5145.00	52.60	54.00	-1.40	45.70	6.21	33.74	33.05	250	88	Average	VERTICAL
3	5236.00	96.77			89.65	6.30	33.87	33.05	250	88	Average	VERTICAL
4	5241.00	106.03			98.91	6.30	33.87	33.05	250	88	Peak	VERTICAL
5	5350.00	60.44	74.00	-13.56	52.97	6.47	34.06	33.06	250	88	Peak	VERTICAL
6	5351.00	49.94	54.00	-4.06	42.47	6.47	34.06	33.06	250	88	Average	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5642.00	62.49	68.20	-5.71	54.36	7.86	31.94	31.67	218	288	Peak	HORIZONTAL
2	5758.00	96.41			88.16	7.83	32.13	31.71	218	288	Average	HORIZONTAL
3	5758.00	106.61			98.36	7.83	32.13	31.71	218	288	Peak	HORIZONTAL
4	5949.00	61.06	68.20	-7.14	52.46	7.98	32.42	31.80	218	288	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 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 36, 40, 48 / Chain 1
Test Date	Oct. 14, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 36

	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	5149.40	68.16	74.00	-5.84	61.26	6.21	33.74	33.05	300	135	Peak	VERTICAL
2	5150.00	51.81	54.00	-2.19	44.91	6.21	33.74	33.05	300	135	Average	VERTICAL
3	5177.80	113.73			106.75	6.24	33.79	33.05	300	135	Peak	VERTICAL
4	5186.80	102.78			95.80	6.24	33.79	33.05	300	135	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5143.20	47.52	54.00	-6.48	40.66	6.17	33.74	33.05	300	131	Average	VERTICAL
2	5150.00	60.48	74.00	-13.52	53.58	6.21	33.74	33.05	300	131	Peak	VERTICAL
3	5198.00	113.69			106.65	6.27	33.82	33.05	300	131	Peak	VERTICAL
4	5201.20	102.34			95.30	6.27	33.82	33.05	300	131	Average	VERTICAL

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

Channel 48

	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	5149.40	47.15	54.00	-6.85	40.25	6.21	33.74	33.05	299	130	Average	VERTICAL
2	5150.00	59.53	74.00	-14.47	52.63	6.21	33.74	33.05	299	130	Peak	VERTICAL
3	5232.80	102.27			95.15	6.30	33.87	33.05	299	130	Average	VERTICAL
4	5237.00	112.54			105.42	6.30	33.87	33.05	299	130	Peak	VERTICAL
5	5358.80	47.79	54.00	-6.21	40.32	6.47	34.06	33.06	299	130	Average	VERTICAL
6	5361.20	60.09	74.00	-13.91	52.59	6.47	34.09	33.06	299	130	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 149

	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	5645.14	61.37	68.20	-6.83	54.49	8.53	34.91	36.56	103	156	Peak	VERTICAL
2	5742.16	101.51			94.44	8.34	35.25	36.52	103	156	Average	VERTICAL
3	5742.16	110.97			103.90	8.34	35.25	36.52	103	156	Peak	VERTICAL
4	5992.90	60.23	68.20	-7.97	51.86	8.74	36.04	36.41	103	156	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5550.64	59.63	68.20	-8.57	53.15	8.51	34.57	36.60	101	222	Peak	VERTICAL
2	5790.04	112.89			105.71	8.25	35.42	36.49	101	222	Peak	VERTICAL
3	5791.30	103.53			96.35	8.25	35.42	36.49	101	222	Average	VERTICAL
4	6028.18	61.28	68.20	-6.92	52.72	8.81	36.14	36.39	101	222	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5626.24	60.09	68.20	-8.11	53.25	8.56	34.85	36.57	103	224	Peak	VERTICAL
2	5829.10	101.40			94.01	8.34	35.53	36.48	103	224	Average	VERTICAL
3	5829.10	112.61			105.22	8.34	35.53	36.48	103	224	Peak	VERTICAL
4	6069.76	60.98	68.20	-7.22	52.33	8.84	36.19	36.38	103	224	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1
Test Date	Oct. 14, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 36

	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	5145.40	66.18	74.00	-7.82	59.28	6.21	33.74	33.05	300	134 Peak	VERTICAL
2	5150.00	50.48	54.00	-3.52	43.58	6.21	33.74	33.05	300	134 Average	VERTICAL
3	5186.20	101.50			94.52	6.24	33.79	33.05	300	134 Average	VERTICAL
4	5186.20	112.32			105.34	6.24	33.79	33.05	300	134 Peak	VERTICAL

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

Channel 40

	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	5113.20	59.91	74.00	-14.09	53.13	6.14	33.69	33.05	300	126 Peak	VERTICAL
2	5143.60	47.52	54.00	-6.48	40.66	6.17	33.74	33.05	300	126 Average	VERTICAL
3	5202.40	101.76			94.72	6.27	33.82	33.05	300	126 Average	VERTICAL
4	5202.40	112.52			105.48	6.27	33.82	33.05	300	126 Peak	VERTICAL

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

Channel 48

	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	5144.60	59.72	74.00	-14.28	52.82	6.21	33.74	33.05	300	132 Peak	VERTICAL
2	5149.40	46.86	54.00	-7.14	39.96	6.21	33.74	33.05	300	132 Average	VERTICAL
3	5233.40	101.34			94.22	6.30	33.87	33.05	300	132 Average	VERTICAL
4	5234.60	111.02			103.90	6.30	33.87	33.05	300	132 Peak	VERTICAL
5	5350.00	47.59	54.00	-6.41	40.12	6.47	34.06	33.06	300	132 Average	VERTICAL
6	5354.20	59.34	74.00	-14.66	51.87	6.47	34.06	33.06	300	132 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 149

	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	5587.18	60.31	68.20	-7.89	53.64	8.58	34.68	36.59	114	160	Peak	VERTICAL
2	5740.90	99.26			92.19	8.34	35.25	36.52	114	160	Average	VERTICAL
3	5747.20	109.65			102.57	8.34	35.25	36.51	114	160	Peak	VERTICAL
4	6060.94	61.04	68.20	-7.16	52.44	8.82	36.16	36.38	114	160	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5626.24	60.37	68.20	-7.83	53.53	8.56	34.85	36.57	102	214	Peak	VERTICAL
2	5788.78	102.32			95.14	8.25	35.42	36.49	102	214	Average	VERTICAL
3	5790.04	111.63			104.45	8.25	35.42	36.49	102	214	Peak	VERTICAL
4	6034.48	60.88	68.20	-7.32	52.32	8.81	36.14	36.39	102	214	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5568.28	60.19	68.20	-8.01	53.62	8.54	34.63	36.60	104	56	Peak	HORIZONTAL
2	5827.84	99.70			92.31	8.34	35.53	36.48	104	56	Peak	HORIZONTAL
3	5829.10	89.90			82.51	8.34	35.53	36.48	104	56	Average	HORIZONTAL
4	6059.68	61.21	68.20	-6.99	52.61	8.82	36.16	36.38	104	56	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1
Test Date	Oct. 14, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.00	66.67	74.00	-7.33	59.77	6.21	33.74	33.05	300	131	Peak	VERTICAL
2	5150.00	52.99	54.00	-1.01	46.09	6.21	33.74	33.05	300	131	Average	VERTICAL
3	5198.40	107.25			100.21	6.27	33.82	33.05	300	131	Peak	VERTICAL
4	5202.80	97.30			90.26	6.27	33.82	33.05	300	131	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.80	59.94	74.00	-14.06	53.04	6.21	33.74	33.05	300	131	Peak	VERTICAL
2	5148.40	48.58	54.00	-5.42	41.68	6.21	33.74	33.05	300	131	Average	VERTICAL
3	5225.20	109.62			102.50	6.30	33.87	33.05	300	131	Peak	VERTICAL
4	5234.00	99.40			92.28	6.30	33.87	33.05	300	131	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 151

	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	5578.36	60.12	68.20	-8.08	53.45	8.58	34.68	36.59	109	225	Peak	VERTICAL
2	5748.46	96.72			89.64	8.34	35.25	36.51	109	225	Average	VERTICAL
3	5748.46	106.18			99.10	8.34	35.25	36.51	109	225	Peak	VERTICAL
4	6047.08	61.71	68.20	-6.49	53.12	8.82	36.16	36.39	109	225	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5648.92	59.83	68.20	-8.37	52.95	8.53	34.91	36.56	104	55	Peak	HORIZONTAL
2	5800.12	85.07			77.89	8.25	35.42	36.49	104	55	Average	HORIZONTAL
3	5802.64	95.51			88.33	8.25	35.42	36.49	104	55	Peak	HORIZONTAL
4	6044.56	61.75	68.20	-6.45	53.19	8.81	36.14	36.39	104	55	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1
Test Date	Oct. 14, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.00	52.56	54.00	-1.44	45.66	6.21	33.74	33.05	300	133	Average	VERTICAL
2	5150.00	64.08	74.00	-9.92	57.18	6.21	33.74	33.05	300	133	Peak	VERTICAL
3	5201.00	94.65			87.61	6.27	33.82	33.05	300	133	Average	VERTICAL
4	5232.00	104.15			97.03	6.30	33.87	33.05	300	133	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5633.80	60.00	68.20	-8.20	53.15	8.56	34.85	36.56	109	224	Peak	VERTICAL
2	5748.46	93.34			86.26	8.34	35.25	36.51	109	224	Average	VERTICAL
3	5785.00	104.41			97.26	8.28	35.36	36.49	109	224	Peak	VERTICAL
4	6054.64	61.01	68.20	-7.19	52.41	8.82	36.16	36.38	109	224	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 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 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5149.86	65.20	74.00	-8.80	58.30	6.21	33.74	33.05	300	108 Peak	VERTICAL
2	5150.00	50.71	54.00	-3.29	43.81	6.21	33.74	33.05	300	108 Average	VERTICAL
3	5176.09	115.87			108.89	6.24	33.79	33.05	300	108 Peak	VERTICAL
4	5181.01	105.24			98.26	6.24	33.79	33.05	300	108 Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5122.21	62.39	74.00	-11.61	55.58	6.17	33.69	33.05	298	113 Peak	VERTICAL
2	5126.85	49.03	54.00	-4.97	42.20	6.17	33.71	33.05	298	113 Average	VERTICAL
3	5206.37	105.09			98.05	6.27	33.82	33.05	298	113 Average	VERTICAL
4	5206.66	115.03			107.99	6.27	33.82	33.05	298	113 Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5147.40	60.75	74.00	-13.25	53.85	6.21	33.74	33.05	300	112 Peak	VERTICAL
2	5150.00	47.95	54.00	-6.05	41.05	6.21	33.74	33.05	300	112 Average	VERTICAL
3	5236.53	105.47			98.35	6.30	33.87	33.05	300	112 Average	VERTICAL
4	5236.53	115.35			108.23	6.30	33.87	33.05	300	112 Peak	VERTICAL
5	5350.00	47.36	54.00	-6.64	39.89	6.47	34.06	33.06	300	112 Average	VERTICAL
6	5351.74	60.40	74.00	-13.60	52.93	6.47	34.06	33.06	300	112 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 149

	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	5507.80	59.43	68.20	-8.77	53.26	8.39	34.40	36.62	108	226	Peak	VERTICAL
2	5747.20	103.66			96.58	8.34	35.25	36.51	108	226	Average	VERTICAL
3	5749.72	115.18			108.10	8.34	35.25	36.51	108	226	Peak	VERTICAL
4	5989.12	61.03	68.20	-7.17	52.66	8.74	36.04	36.41	108	226	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5621.20	61.40	68.20	-6.80	54.58	8.59	34.80	36.57	101	224	Peak	VERTICAL
2	5787.52	106.32			99.17	8.28	35.36	36.49	101	224	Average	VERTICAL
3	5787.52	115.78			108.63	8.28	35.36	36.49	101	224	Peak	VERTICAL
4	6034.48	60.88	68.20	-7.32	52.32	8.81	36.14	36.39	101	224	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m			dBuV	dB	dB/m	dB	cm	deg		
1	5633.80	59.60	68.20	-8.60	52.75	8.56	34.85	36.56	108	215	Peak	VERTICAL
2	5830.36	105.65			98.26	8.34	35.53	36.48	108	215	Average	VERTICAL
3	5830.36	116.68			109.29	8.34	35.53	36.48	108	215	Peak	VERTICAL
4	5987.86	60.77	68.20	-7.43	52.40	8.74	36.04	36.41	108	215	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 36

	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	5147.97	67.95	74.00	-6.05	61.05	6.21	33.74	33.05	300	110 Peak	VERTICAL
2	5148.84	51.79	54.00	-2.21	44.89	6.21	33.74	33.05	300	110 Average	VERTICAL
3	5172.91	105.06			98.10	6.24	33.77	33.05	300	110 Average	VERTICAL
4	5180.58	116.07			109.09	6.24	33.79	33.05	300	110 Peak	VERTICAL

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

Channel 40

	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	5128.00	49.14	54.00	-4.86	42.31	6.17	33.71	33.05	300	109 Average	VERTICAL
2	5144.21	61.89	74.00	-12.11	54.99	6.21	33.74	33.05	300	109 Peak	VERTICAL
3	5202.89	114.88			107.84	6.27	33.82	33.05	300	109 Peak	VERTICAL
4	5208.10	103.82			96.75	6.27	33.85	33.05	300	109 Average	VERTICAL

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

Channel 48

	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	5147.40	61.24	74.00	-12.76	54.34	6.21	33.74	33.05	300	105 Peak	VERTICAL
2	5150.00	47.90	54.00	-6.10	41.00	6.21	33.74	33.05	300	105 Average	VERTICAL
3	5232.62	104.58			97.46	6.30	33.87	33.05	300	105 Average	VERTICAL
4	5233.49	115.63			108.51	6.30	33.87	33.05	300	105 Peak	VERTICAL
5	5350.43	47.30	54.00	-6.70	39.83	6.47	34.06	33.06	300	105 Average	VERTICAL
6	5354.34	60.16	74.00	-13.84	52.69	6.47	34.06	33.06	300	105 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 149

	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	5567.02	59.39	68.20	-8.81	52.82	8.54	34.63	36.60	114	52	Peak	HORIZONTAL
2	5739.64	91.33			84.26	8.34	35.25	36.52	114	52	Average	HORIZONTAL
3	5740.90	101.19			94.12	8.34	35.25	36.52	114	52	Peak	HORIZONTAL
4	5986.60	60.75	68.20	-7.45	52.38	8.74	36.04	36.41	114	52	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5553.16	60.19	68.20	-8.01	53.71	8.51	34.57	36.60	100	221	Peak	VERTICAL
2	5787.52	105.96			98.81	8.28	35.36	36.49	100	221	Average	VERTICAL
3	5792.56	115.81			108.63	8.25	35.42	36.49	100	221	Peak	VERTICAL
4	6033.22	60.91	68.20	-7.29	52.35	8.81	36.14	36.39	100	221	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5589.70	61.26	68.20	-6.94	54.59	8.58	34.68	36.59	103	212	Peak	VERTICAL
2	5827.84	113.25			105.86	8.34	35.53	36.48	103	212	Peak	VERTICAL
3	5829.10	103.97			96.58	8.34	35.53	36.48	103	212	Average	VERTICAL
4	6077.32	61.34	68.20	-6.86	52.68	8.84	36.19	36.37	103	212	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	52.89	54.00	-1.11	45.99	6.21	33.74	33.05	300	112	Average	VERTICAL
2	5150.00	65.83	74.00	-8.17	58.93	6.21	33.74	33.05	300	112	Peak	VERTICAL
3	5175.53	109.71			102.73	6.24	33.79	33.05	300	112	Peak	VERTICAL
4	5175.82	98.29			91.31	6.24	33.79	33.05	300	112	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.68	63.43	74.00	-10.57	56.53	6.21	33.74	33.05	300	110	Peak	VERTICAL
2	5150.00	49.97	54.00	-4.03	43.07	6.21	33.74	33.05	300	110	Average	VERTICAL
3	5215.53	103.17			96.10	6.27	33.85	33.05	300	110	Average	VERTICAL
4	5233.18	113.31			106.19	6.30	33.87	33.05	300	110	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 151

	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	5604.82	60.12	68.20	-8.08	53.34	8.62	34.74	36.58	100	86 Peak	VERTICAL
2	5762.32	97.88			90.77	8.31	35.31	36.51	100	86 Average	VERTICAL
3	5762.32	107.13			100.02	8.31	35.31	36.51	100	86 Peak	VERTICAL
4	6062.20	60.58	68.20	-7.62	51.98	8.82	36.16	36.38	100	86 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5619.94	61.01	68.20	-7.19	54.19	8.59	34.80	36.57	103	224 Peak	VERTICAL
2	5790.04	100.58			93.40	8.25	35.42	36.49	103	224 Average	VERTICAL
3	5807.68	109.90			102.62	8.29	35.48	36.49	103	224 Peak	VERTICAL
4	6069.76	61.63	68.20	-6.57	52.98	8.84	36.19	36.38	103	224 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 13, 2015 ~ Oct. 14, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.83	64.36	74.00	-9.64	57.46	6.21	33.74	33.05	300	106	Peak	VERTICAL
2	5150.00	52.74	54.00	-1.26	45.84	6.21	33.74	33.05	300	106	Average	VERTICAL
3	5180.33	96.18			89.20	6.24	33.79	33.05	300	106	Average	VERTICAL
4	5182.50	106.38			99.40	6.24	33.79	33.05	300	106	Peak	VERTICAL
5	5351.45	48.51	54.00	-5.49	41.04	6.47	34.06	33.06	300	106	Average	VERTICAL
6	5375.33	59.77	74.00	-14.23	52.24	6.50	34.09	33.06	300	106	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5626.24	61.96	68.20	-6.24	55.12	8.56	34.85	36.57	109	224	Peak	VERTICAL
2	5745.94	93.16			86.08	8.34	35.25	36.51	109	224	Average	VERTICAL
3	5745.94	103.43			96.35	8.34	35.25	36.51	109	224	Peak	VERTICAL
4	6072.28	60.90	68.20	-7.30	52.25	8.84	36.19	36.38	109	224	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 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 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.80	65.43	74.00	-8.57	58.57	6.17	33.74	33.05	299	113	Peak	VERTICAL
2	5150.00	52.44	54.00	-1.56	45.54	6.21	33.74	33.05	299	113	Average	VERTICAL
3	5172.80	107.16			100.20	6.24	33.77	33.05	299	113	Average	VERTICAL
4	5182.00	116.37			109.39	6.24	33.79	33.05	299	113	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5116.00	62.23	74.00	-11.77	55.45	6.14	33.69	33.05	300	130	Peak	VERTICAL
2	5126.40	50.52	54.00	-3.48	43.69	6.17	33.71	33.05	300	130	Average	VERTICAL
3	5196.40	107.64			100.60	6.27	33.82	33.05	300	130	Average	VERTICAL
4	5196.40	117.01			109.97	6.27	33.82	33.05	300	130	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5099.60	58.46	74.00	-15.54	51.71	6.14	33.66	33.05	298	214	Peak	HORIZONTAL
2	5109.20	46.45	54.00	-7.55	39.67	6.14	33.69	33.05	298	214	Average	HORIZONTAL
3	5237.60	93.63			86.51	6.30	33.87	33.05	298	214	Average	HORIZONTAL
4	5237.60	103.39			96.27	6.30	33.87	33.05	298	214	Peak	HORIZONTAL
5	5372.60	48.14	54.00	-5.86	40.64	6.47	34.09	33.06	298	214	Average	HORIZONTAL
6	5379.80	60.86	74.00	-13.14	53.31	6.50	34.11	33.06	298	214	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5509.06	61.31	68.20	-6.89	55.14	8.39	34.40	36.62	103	89	Peak	VERTICAL
2	5747.20	106.42			99.34	8.34	35.25	36.51	103	89	Average	VERTICAL
3	5747.20	115.75			108.67	8.34	35.25	36.51	103	89	Peak	VERTICAL
4	6025.66	60.98	68.20	-7.22	52.46	8.79	36.12	36.39	103	89	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5572.06	61.38	68.20	-6.82	54.81	8.54	34.63	36.60	110	220	Peak	VERTICAL
2	5782.48	108.09			100.95	8.28	35.36	36.50	110	220	Average	VERTICAL
3	5783.74	118.30			111.15	8.28	35.36	36.49	110	220	Peak	VERTICAL
4	6035.74	62.03	68.20	-6.17	53.47	8.81	36.14	36.39	110	220	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5546.86	59.87	68.20	-8.33	53.39	8.51	34.57	36.60	111	223	Peak	VERTICAL
2	5827.84	106.32			98.93	8.34	35.53	36.48	111	223	Average	VERTICAL
3	5832.88	116.39			109.00	8.34	35.53	36.48	111	223	Peak	VERTICAL
4	6073.54	60.87	68.20	-7.33	52.22	8.84	36.19	36.38	111	223	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.00	68.34	74.00	-5.66	61.44	6.21	33.74	33.05	288	224	Peak	VERTICAL
2	5148.20	52.68	54.00	-1.32	45.78	6.21	33.74	33.05	288	224	Average	VERTICAL
3	5173.20	116.27			109.31	6.24	33.77	33.05	288	224	Peak	VERTICAL
4	5173.40	105.55			98.59	6.24	33.77	33.05	288	224	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.40	61.02	74.00	-12.98	54.24	6.14	33.69	33.05	299	88	Peak	VERTICAL
2	5127.20	49.34	54.00	-4.66	42.51	6.17	33.71	33.05	299	88	Average	VERTICAL
3	5202.40	106.99			99.95	6.27	33.82	33.05	299	88	Average	VERTICAL
4	5202.40	116.43			109.39	6.27	33.82	33.05	299	88	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5113.40	59.83	74.00	-14.17	53.05	6.14	33.69	33.05	298	88	Peak	VERTICAL
2	5148.80	47.68	54.00	-6.32	40.78	6.21	33.74	33.05	298	88	Average	VERTICAL
3	5232.20	106.95			99.83	6.30	33.87	33.05	298	88	Average	VERTICAL
4	5232.20	115.86			108.74	6.30	33.87	33.05	298	88	Peak	VERTICAL
5	5363.00	48.69	54.00	-5.31	41.19	6.47	34.09	33.06	298	88	Average	VERTICAL
6	5369.00	60.59	74.00	-13.41	53.09	6.47	34.09	33.06	298	88	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5511.58	60.17	68.20	-8.03	53.90	8.43	34.46	36.62	110	223	Peak	VERTICAL
2	5743.42	106.13			99.06	8.34	35.25	36.52	110	223	Average	VERTICAL
3	5748.46	115.35			108.27	8.34	35.25	36.51	110	223	Peak	VERTICAL
4	5990.38	61.25	68.20	-6.95	52.88	8.74	36.04	36.41	110	223	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5632.54	61.56	68.20	-6.64	54.72	8.56	34.85	36.57	110	223	Peak	VERTICAL
2	5778.70	117.85			110.71	8.28	35.36	36.50	110	223	Peak	VERTICAL
3	5788.78	108.25			101.07	8.25	35.42	36.49	110	223	Average	VERTICAL
4	6031.96	61.94	68.20	-6.26	53.38	8.81	36.14	36.39	110	223	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5583.40	60.29	68.20	-7.91	53.62	8.58	34.68	36.59	112	221	Peak	VERTICAL
2	5827.84	106.72			99.33	8.34	35.53	36.48	112	221	Average	VERTICAL
3	5827.84	116.49			109.10	8.34	35.53	36.48	112	221	Peak	VERTICAL
4	6060.94	61.44	68.20	-6.76	52.84	8.82	36.16	36.38	112	221	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 38

	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	5148.40	66.42	74.00	-7.58	59.52	6.21	33.74	33.05	298	217	Peak	VERTICAL
2	5148.80	52.48	54.00	-1.52	45.58	6.21	33.74	33.05	298	217	Average	VERTICAL
3	5198.80	110.92			103.88	6.27	33.82	33.05	298	217	Peak	VERTICAL
4	5204.00	99.99			92.95	6.27	33.82	33.05	298	217	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.40	50.38	54.00	-3.62	43.48	6.21	33.74	33.05	300	215	Average	VERTICAL
2	5149.20	63.17	74.00	-10.83	56.27	6.21	33.74	33.05	300	215	Peak	VERTICAL
3	5244.00	104.44			97.29	6.30	33.90	33.05	300	215	Average	VERTICAL
4	5244.00	114.36			107.21	6.30	33.90	33.05	300	215	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 151

	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	5608.60	61.02	68.20	-7.18	54.21	8.59	34.80	36.58	110	222	Peak	VERTICAL
2	5747.20	109.19			102.11	8.34	35.25	36.51	110	222	Peak	VERTICAL
3	5748.46	100.30			93.22	8.34	35.25	36.51	110	222	Average	VERTICAL
4	6004.24	60.56	68.20	-7.64	52.08	8.78	36.10	36.40	110	222	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5627.50	62.89	68.20	-5.31	56.05	8.56	34.85	36.57	102	223	Peak	VERTICAL
2	5802.64	103.95			96.77	8.25	35.42	36.49	102	223	Average	VERTICAL
3	5802.64	113.62			106.44	8.25	35.42	36.49	102	223	Peak	VERTICAL
4	5948.80	63.47	68.20	-4.73	55.32	8.65	35.93	36.43	102	223	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5148.00	52.42	54.00	-1.58	45.52	6.21	33.74	33.05	300	211 Average	VERTICAL
2	5149.00	63.34	74.00	-10.66	56.44	6.21	33.74	33.05	300	211 Peak	VERTICAL
3	5199.00	107.80			100.76	6.27	33.82	33.05	300	211 Peak	VERTICAL
4	5240.00	97.56			90.44	6.30	33.87	33.05	300	211 Average	VERTICAL
5	5350.00	50.16	54.00	-3.84	42.69	6.47	34.06	33.06	300	211 Average	VERTICAL
6	5350.00	61.69	74.00	-12.31	54.22	6.47	34.06	33.06	300	211 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5611.12	61.41	68.20	-6.79	54.60	8.59	34.80	36.58	100	89 Peak	VERTICAL
2	5761.06	96.34			89.23	8.31	35.31	36.51	100	89 Average	VERTICAL
3	5762.32	106.45			99.34	8.31	35.31	36.51	100	89 Peak	VERTICAL
4	5965.18	60.21	68.20	-7.99	51.95	8.69	35.99	36.42	100	89 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 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 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5098.00	63.35	74.00	-10.65	56.60	6.14	33.66	33.05	300	334	Peak	VERTICAL
2	5098.80	51.86	54.00	-2.14	45.11	6.14	33.66	33.05	300	334	Average	VERTICAL
3	5178.80	108.65			101.67	6.24	33.79	33.05	300	334	Average	VERTICAL
4	5178.80	117.97			110.99	6.24	33.79	33.05	300	334	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5113.20	51.23	54.00	-2.77	44.45	6.14	33.69	33.05	300	47	Average	VERTICAL
2	5113.60	64.10	74.00	-9.90	57.32	6.14	33.69	33.05	300	47	Peak	VERTICAL
3	5193.20	106.78			99.77	6.24	33.82	33.05	300	47	Average	VERTICAL
4	5194.00	117.05			110.04	6.24	33.82	33.05	300	47	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.80	59.55	74.00	-14.45	52.65	6.21	33.74	33.05	300	330	Peak	VERTICAL
2	5149.40	47.49	54.00	-6.51	40.59	6.21	33.74	33.05	300	330	Average	VERTICAL
3	5238.20	107.90			100.78	6.30	33.87	33.05	300	330	Average	VERTICAL
4	5238.20	117.16			110.04	6.30	33.87	33.05	300	330	Peak	VERTICAL
5	5358.20	48.43	54.00	-5.57	40.96	6.47	34.06	33.06	300	330	Average	VERTICAL
6	5359.40	60.40	74.00	-13.60	52.93	6.47	34.06	33.06	300	330	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5626.40	61.65	68.20	-6.55	54.81	8.56	34.85	36.57	102	224	Peak	VERTICAL
2	5741.60	107.33			100.26	8.34	35.25	36.52	102	224	Average	VERTICAL
3	5741.60	116.98			109.91	8.34	35.25	36.52	102	224	Peak	VERTICAL
4	5984.80	63.32	68.20	-4.88	54.95	8.74	36.04	36.41	102	224	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5548.32	63.81	68.20	-4.39	57.33	8.51	34.57	36.60	106	315	Peak	VERTICAL
2	5790.24	111.20			104.02	8.25	35.42	36.49	106	315	Average	VERTICAL
3	5791.52	120.44			113.26	8.25	35.42	36.49	106	315	Peak	VERTICAL
4	6034.72	63.86	68.20	-4.34	55.30	8.81	36.14	36.39	106	315	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5590.56	62.53	68.20	-5.67	55.86	8.58	34.68	36.59	101	321	Peak	VERTICAL
2	5820.96	117.09			109.81	8.29	35.48	36.49	101	321	Peak	VERTICAL
3	5832.48	108.07			100.68	8.34	35.53	36.48	101	321	Average	VERTICAL
4	6075.68	63.70	68.20	-4.50	55.04	8.84	36.19	36.37	101	321	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor			
						dB	dB/m	dB	cm	deg	
1	5150.00	51.52	54.00	-2.48	44.62	6.21	33.74	33.05	300	339 Average	VERTICAL
2	5150.00	64.44	74.00	-9.56	57.54	6.21	33.74	33.05	300	339 Peak	VERTICAL
3	5174.80	106.74			99.76	6.24	33.79	33.05	300	339 Average	VERTICAL
4	5175.20	116.36			109.38	6.24	33.79	33.05	300	339 Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor			
						dB	dB/m	dB	cm	deg	
1	5113.60	60.35	74.00	-13.65	53.57	6.14	33.69	33.05	300	204 Peak	VERTICAL
2	5124.80	48.77	54.00	-5.23	41.94	6.17	33.71	33.05	300	204 Average	VERTICAL
3	5198.40	104.35			97.31	6.27	33.82	33.05	300	204 Average	VERTICAL
4	5198.80	113.54			106.50	6.27	33.82	33.05	300	204 Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor			
						dB	dB/m	dB	cm	deg	
1	5108.00	59.92	74.00	-14.08	53.14	6.14	33.69	33.05	299	301 Peak	VERTICAL
2	5144.00	46.72	54.00	-7.28	39.82	6.21	33.74	33.05	299	301 Average	VERTICAL
3	5232.80	104.88			97.76	6.30	33.87	33.05	299	301 Average	VERTICAL
4	5233.40	114.47			107.35	6.30	33.87	33.05	299	301 Peak	VERTICAL
5	5351.00	48.20	54.00	-5.80	40.73	6.47	34.06	33.06	299	301 Average	VERTICAL
6	5366.60	60.01	74.00	-13.99	52.51	6.47	34.09	33.06	299	301 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 149

	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	5513.76	62.54	68.20	-5.66	56.27	8.43	34.46	36.62	101	254	Peak	VERTICAL
2	5741.60	106.66			99.59	8.34	35.25	36.52	101	254	Average	VERTICAL
3	5741.60	115.77			108.70	8.34	35.25	36.52	101	254	Peak	VERTICAL
4	6080.80	61.66	68.20	-6.54	52.97	8.85	36.21	36.37	101	254	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5551.90	62.50	68.20	-5.70	56.02	8.51	34.57	36.60	101	228	Peak	VERTICAL
2	5787.52	108.93			101.78	8.28	35.36	36.49	101	228	Average	VERTICAL
3	5787.52	118.53			111.38	8.28	35.36	36.49	101	228	Peak	VERTICAL
4	6033.22	63.73	68.20	-4.47	55.17	8.81	36.14	36.39	101	228	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5577.10	61.98	68.20	-6.22	55.32	8.58	34.68	36.60	100	315	Peak	VERTICAL
2	5829.10	106.98			99.59	8.34	35.53	36.48	100	315	Average	VERTICAL
3	5831.62	116.99			109.60	8.34	35.53	36.48	100	315	Peak	VERTICAL
4	6068.50	62.76	68.20	-5.44	54.11	8.84	36.19	36.38	100	315	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 38

	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	5148.00	66.61	74.00	-7.39	59.71	6.21	33.74	33.05	280	203	Peak	VERTICAL
2	5150.00	52.97	54.00	-1.03	46.07	6.21	33.74	33.05	280	203	Average	VERTICAL
3	5198.00	110.38			103.34	6.27	33.82	33.05	280	203	Peak	VERTICAL
4	5204.00	100.65			93.61	6.27	33.82	33.05	280	203	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.60	59.76	74.00	-14.24	52.86	6.21	33.74	33.05	275	56	Peak	VERTICAL
2	5150.00	47.46	54.00	-6.54	40.56	6.21	33.74	33.05	275	56	Average	VERTICAL
3	5240.40	101.63			94.51	6.30	33.87	33.05	275	56	Average	VERTICAL
4	5240.40	110.98			103.86	6.30	33.87	33.05	275	56	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 151

	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	5602.30	62.14	68.20	-6.06	55.36	8.62	34.74	36.58	102	317 Peak	VERTICAL
2	5748.46	101.58			94.50	8.34	35.25	36.51	102	317 Average	VERTICAL
3	5748.46	111.91			104.83	8.34	35.25	36.51	102	317 Peak	VERTICAL
4	5932.42	62.77	68.20	-5.43	54.73	8.60	35.87	36.43	102	317 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5631.28	63.07	68.20	-5.13	56.23	8.56	34.85	36.57	101	255 Peak	VERTICAL
2	5801.38	103.91			96.73	8.25	35.42	36.49	101	255 Average	VERTICAL
3	5801.38	113.71			106.53	8.25	35.42	36.49	101	255 Peak	VERTICAL
4	5952.58	63.04	68.20	-5.16	54.89	8.65	35.93	36.43	101	255 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 42

	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	5145.00	63.33	74.00	-10.67	56.43	6.21	33.74	33.05	298	205 Peak	VERTICAL
2	5146.00	52.43	54.00	-1.57	45.53	6.21	33.74	33.05	298	205 Average	VERTICAL
3	5198.00	107.13			100.09	6.27	33.82	33.05	298	205 Peak	VERTICAL
4	5244.00	97.61			90.46	6.30	33.90	33.05	298	205 Average	VERTICAL
5	5351.00	51.08	54.00	-2.92	43.61	6.47	34.06	33.06	298	205 Average	VERTICAL
6	5354.00	61.05	74.00	-12.95	53.58	6.47	34.06	33.06	298	205 Peak	VERTICAL

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

Channel 155

	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	5621.20	61.77	68.20	-6.43	54.95	8.59	34.80	36.57	102	318 Peak	VERTICAL
2	5762.32	108.14			101.03	8.31	35.31	36.51	102	318 Peak	VERTICAL
3	5788.78	96.92			89.74	8.25	35.42	36.49	102	318 Average	VERTICAL
4	6079.84	62.11	68.20	-6.09	53.45	8.84	36.19	36.37	102	318 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

For Beamforming Mode

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 27, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5106.00	50.88	54.00	-3.12	46.29	5.85	33.21	34.47	132	205 Average	VERTICAL
2	5150.00	63.20	74.00	-10.80	58.56	5.84	33.27	34.47	132	205 Peak	VERTICAL
3	5176.00	118.07			113.39	5.82	33.33	34.47	132	205 Peak	VERTICAL
4	5186.40	107.53			102.85	5.82	33.33	34.47	132	205 Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5122.80	63.56	74.00	-10.44	58.95	5.84	33.24	34.47	137	207 Peak	VERTICAL
2	5127.60	50.36	54.00	-3.64	45.75	5.84	33.24	34.47	137	207 Average	VERTICAL
3	5206.00	118.08			113.38	5.81	33.36	34.47	137	207 Peak	VERTICAL
4	5206.80	108.12			103.42	5.81	33.36	34.47	137	207 Average	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5125.40	58.56	74.00	-15.44	53.95	5.84	33.24	34.47	160	220 Peak	VERTICAL
2	5150.00	46.67	54.00	-7.33	42.03	5.84	33.27	34.47	160	220 Average	VERTICAL
3	5242.40	108.43			103.67	5.78	33.45	34.47	160	220 Average	VERTICAL
4	5242.60	117.43			112.67	5.78	33.45	34.47	160	220 Peak	VERTICAL
5	5350.00	46.05	54.00	-7.95	41.16	5.73	33.63	34.47	160	220 Average	VERTICAL
6	5362.40	59.81	74.00	-14.19	54.89	5.73	33.66	34.47	160	220 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5582.00	63.47	68.20	-4.73	55.43	7.85	31.83	31.64	150	177 Peak	VERTICAL
2	5748.00	114.31			106.09	7.83	32.10	31.71	150	177 Peak	VERTICAL
3	5749.00	103.88			95.66	7.83	32.10	31.71	150	177 Average	VERTICAL
4	5991.00	63.72	68.20	-4.48	55.05	8.01	32.47	31.81	150	177 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5550.00	63.69	68.20	-4.51	55.73	7.80	31.78	31.62	150	176 Peak	VERTICAL
2	5781.00	107.28			99.03	7.82	32.15	31.72	150	176 Average	VERTICAL
3	5789.00	117.46			109.19	7.82	32.18	31.73	150	176 Peak	VERTICAL
4	5932.00	63.51	68.20	-4.69	54.95	7.96	32.39	31.79	150	176 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5591.00	63.82	68.20	-4.38	55.78	7.85	31.83	31.64	172	147 Peak	VERTICAL
2	5827.00	116.44			108.10	7.86	32.23	31.75	172	147 Peak	VERTICAL
3	5831.00	106.55			98.21	7.86	32.23	31.75	172	147 Average	VERTICAL
4	5933.00	62.87	68.20	-5.33	54.31	7.96	32.39	31.79	172	147 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 27, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5149.60	63.53	74.00	-10.47	58.89	5.84	33.27	34.47	136	208 Peak	VERTICAL
2	5149.60	52.90	54.00	-1.10	48.26	5.84	33.27	34.47	136	208 Average	VERTICAL
3	5204.80	102.51			97.81	5.81	33.36	34.47	136	208 Average	VERTICAL
4	5205.20	112.29			107.59	5.81	33.36	34.47	136	208 Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5145.20	47.10	54.00	-6.90	42.46	5.84	33.27	34.47	162	203 Average	VERTICAL
2	5148.40	59.02	74.00	-14.98	54.38	5.84	33.27	34.47	162	203 Peak	VERTICAL
3	5242.80	116.51			111.75	5.78	33.45	34.47	162	203 Peak	VERTICAL
4	5243.20	106.55			101.79	5.78	33.45	34.47	162	203 Average	VERTICAL

Item 2, 3 are the fundamental frequency at 5230 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 151

	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	5597.00	63.65	68.20	-4.55	55.57	7.87	31.86	31.65	163	166 Peak	VERTICAL
2	5748.00	97.72			89.50	7.83	32.10	31.71	163	166 Average	VERTICAL
3	5760.00	108.26			100.01	7.83	32.13	31.71	163	166 Peak	VERTICAL
4	5930.00	62.48	68.20	-5.72	53.92	7.96	32.39	31.79	163	166 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5624.00	64.52	68.20	-3.68	56.41	7.86	31.91	31.66	152	178 Peak	VERTICAL
2	5789.00	101.91			93.64	7.82	32.18	31.73	152	178 Average	VERTICAL
3	5801.00	113.01			104.74	7.82	32.18	31.73	152	178 Peak	VERTICAL
4	5952.00	65.59	68.20	-2.61	56.99	7.98	32.42	31.80	152	178 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

emperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 27, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5147.00	64.73	74.00	-9.27	60.09	5.84	33.27	34.47	141	210 Peak	VERTICAL
2	5150.00	52.85	54.00	-1.15	48.21	5.84	33.27	34.47	141	210 Average	VERTICAL
3	5186.00	112.60			107.92	5.82	33.33	34.47	141	210 Peak	VERTICAL
4	5223.00	97.92			93.20	5.80	33.39	34.47	141	210 Average	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5567.00	62.78	68.20	-5.42	54.78	7.82	31.81	31.63	184	178 Peak	VERTICAL
2	5761.00	93.30			85.05	7.83	32.13	31.71	184	178 Average	VERTICAL
3	5762.00	104.37	-----	-----	96.12	7.83	32.13	31.71	184	178 Peak	VERTICAL
4	5969.00	63.36	68.20	-4.84	54.72	7.99	32.45	31.80	184	178 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 26, 2015 ~ Oct. 27, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5091.20	52.87	54.00	-1.13	48.30	5.86	33.18	34.47	137	223 Average	VERTICAL
2	5093.60	63.97	74.00	-10.03	59.40	5.86	33.18	34.47	137	223 Peak	VERTICAL
3	5173.60	119.73			115.05	5.82	33.33	34.47	137	223 Peak	VERTICAL
4	5174.00	110.46			105.78	5.82	33.33	34.47	137	223 Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5127.20	63.51	74.00	-10.49	58.90	5.84	33.24	34.47	321	189 Peak	VERTICAL
2	5128.00	52.70	54.00	-1.30	48.09	5.84	33.24	34.47	321	189 Average	VERTICAL
3	5208.40	120.51			115.79	5.80	33.39	34.47	321	189 Peak	VERTICAL
4	5208.40	111.44			106.72	5.80	33.39	34.47	321	189 Average	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5143.40	61.27	74.00	-12.73	56.63	5.84	33.27	34.47	170	205 Peak	VERTICAL
2	5150.00	49.10	54.00	-4.90	44.46	5.84	33.27	34.47	170	205 Average	VERTICAL
3	5232.80	111.28			106.54	5.79	33.42	34.47	170	205 Average	VERTICAL
4	5234.00	121.12			116.38	5.79	33.42	34.47	170	205 Peak	VERTICAL
5	5350.00	47.51	54.00	-6.49	42.62	5.73	33.63	34.47	170	205 Average	VERTICAL
6	5357.00	59.43	74.00	-14.57	54.54	5.73	33.63	34.47	170	205 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5499.00	64.03	68.20	-4.17	56.20	7.73	31.70	31.60	189	177 Peak	VERTICAL
2	5748.00	114.68			106.46	7.83	32.10	31.71	189	177 Peak	VERTICAL
3	5749.00	105.57			97.35	7.83	32.10	31.71	189	177 Average	VERTICAL
4	5978.00	63.83	68.20	-4.37	55.16	8.01	32.47	31.81	189	177 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5623.00	64.36	68.20	-3.84	56.26	7.87	31.89	31.66	187	169 Peak	VERTICAL
2	5783.00	108.02			99.78	7.82	32.15	31.73	187	169 Average	VERTICAL
3	5783.00	118.76			110.52	7.82	32.15	31.73	187	169 Peak	VERTICAL
4	5945.00	64.61	68.20	-3.59	56.01	7.98	32.42	31.80	187	169 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5589.00	64.88	68.20	-3.32	56.84	7.85	31.83	31.64	165	166 Peak	VERTICAL
2	5821.00	117.69			109.39	7.84	32.21	31.75	165	166 Peak	VERTICAL
3	5823.00	106.80			98.46	7.86	32.23	31.75	165	166 Average	VERTICAL
4	5983.50	63.81	68.20	-4.39	55.14	8.01	32.47	31.81	165	166 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 27, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.00	64.42	74.00	-9.58	59.78	5.84	33.27	34.47	141	211 Peak	VERTICAL
2	5150.00	52.83	54.00	-1.17	48.19	5.84	33.27	34.47	141	211 Average	VERTICAL
3	5206.40	116.99			112.29	5.81	33.36	34.47	141	211 Peak	VERTICAL
4	5207.20	106.99			102.29	5.81	33.36	34.47	141	211 Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5135.20	63.85	74.00	-10.15	59.24	5.84	33.24	34.47	143	205 Peak	VERTICAL
2	5150.00	50.62	54.00	-3.38	45.98	5.84	33.27	34.47	143	205 Average	VERTICAL
3	5217.60	108.99			104.27	5.80	33.39	34.47	143	205 Average	VERTICAL
4	5223.20	120.99			116.27	5.80	33.39	34.47	143	205 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 151

	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	5583.00	64.39	68.20	-3.81	56.35	7.85	31.83	31.64	179	165 Peak	VERTICAL
2	5746.00	110.55			102.33	7.83	32.10	31.71	179	165 Peak	VERTICAL
3	5747.00	98.34			90.12	7.83	32.10	31.71	179	165 Average	VERTICAL
4	5967.00	63.19	68.20	-5.01	54.55	7.99	32.45	31.80	179	165 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5646.00	67.04	68.20	-1.16	58.91	7.86	31.94	31.67	186	168 Peak	VERTICAL
2	5803.00	102.63			94.37	7.82	32.18	31.74	186	168 Average	VERTICAL
3	5804.00	114.20			105.94	7.82	32.18	31.74	186	168 Peak	VERTICAL
4	5944.00	64.85	68.20	-3.35	56.25	7.98	32.42	31.80	186	168 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 27, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5141.00	68.63	74.00	-5.37	63.99	5.84	33.27	34.47	143	204 Peak	VERTICAL
2	5150.00	52.77	54.00	-1.23	48.13	5.84	33.27	34.47	143	204 Average	VERTICAL
3	5220.00	111.91			107.19	5.80	33.39	34.47	143	204 Peak	VERTICAL
4	5239.00	101.69			96.95	5.79	33.42	34.47	143	204 Average	VERTICAL
5	5350.00	47.68	54.00	-6.32	42.79	5.73	33.63	34.47	143	204 Average	VERTICAL
6	5355.00	60.06	74.00	-13.94	55.17	5.73	33.63	34.47	143	204 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5633.00	64.55	68.20	-3.65	56.44	7.86	31.91	31.66	196	137 Peak	VERTICAL
2	5763.00	94.52			86.27	7.83	32.13	31.71	196	137 Average	VERTICAL
3	5786.00	106.86			98.62	7.82	32.15	31.73	196	137 Peak	VERTICAL
4	5950.00	63.09	68.20	-5.11	54.49	7.98	32.42	31.80	196	137 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 26, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5105.20	65.31	74.00	-8.69	60.74	5.86	33.18	34.47	137	211 Peak	VERTICAL
2	5105.60	52.93	54.00	-1.07	48.34	5.85	33.21	34.47	137	211 Average	VERTICAL
3	5186.40	118.57			113.89	5.82	33.33	34.47	137	211 Peak	VERTICAL
4	5188.00	108.64			103.96	5.82	33.33	34.47	137	211 Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5111.20	52.69	54.00	-1.31	48.10	5.85	33.21	34.47	131	205 Average	VERTICAL
2	5112.00	63.36	74.00	-10.64	58.77	5.85	33.21	34.47	131	205 Peak	VERTICAL
3	5191.60	109.66			104.96	5.81	33.36	34.47	131	205 Average	VERTICAL
4	5192.00	119.25			114.55	5.81	33.36	34.47	131	205 Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.40	61.74	74.00	-12.26	57.10	5.84	33.27	34.47	142	225 Peak	VERTICAL
2	5150.00	50.51	54.00	-3.49	45.87	5.84	33.27	34.47	142	225 Average	VERTICAL
3	5234.00	113.44			108.70	5.79	33.42	34.47	142	225 Average	VERTICAL
4	5234.60	122.98			118.24	5.79	33.42	34.47	142	225 Peak	VERTICAL
5	5350.00	47.87	54.00	-6.13	42.98	5.73	33.63	34.47	142	225 Average	VERTICAL
6	5353.00	60.11	74.00	-13.89	55.22	5.73	33.63	34.47	142	225 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5580.00	63.75	68.20	-4.45	55.71	7.85	31.83	31.64	175	310	Peak	VERTICAL
2	5738.00	103.47			95.27	7.84	32.07	31.71	175	310	Average	VERTICAL
3	5740.00	115.59			107.37	7.83	32.10	31.71	175	310	Peak	VERTICAL
4	5965.00	62.84	68.20	-5.36	54.20	7.99	32.45	31.80	175	310	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5553.00	63.40	68.20	-4.80	55.44	7.80	31.78	31.62	174	310	Peak	VERTICAL
2	5779.00	106.22			97.97	7.82	32.15	31.72	174	310	Average	VERTICAL
3	5781.00	118.00			109.75	7.82	32.15	31.72	174	310	Peak	VERTICAL
4	5953.00	63.65	68.20	-4.55	55.05	7.98	32.42	31.80	174	310	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5588.00	63.23	68.20	-4.97	55.19	7.85	31.83	31.64	197	228	Peak	VERTICAL
2	5823.00	105.18			96.84	7.86	32.23	31.75	197	228	Average	VERTICAL
3	5830.00	116.43			108.09	7.86	32.23	31.75	197	228	Peak	VERTICAL
4	5955.00	63.87	68.20	-4.33	55.27	7.98	32.42	31.80	197	228	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 26, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.00	67.17	74.00	-6.83	62.53	5.84	33.27	34.47	142	213 Peak	VERTICAL
2	5150.00	52.84	54.00	-1.16	48.20	5.84	33.27	34.47	142	213 Average	VERTICAL
3	5205.60	116.53			111.83	5.81	33.36	34.47	142	213 Peak	VERTICAL
4	5206.80	107.15			102.45	5.81	33.36	34.47	142	213 Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5142.00	52.94	54.00	-1.06	48.30	5.84	33.27	34.47	168	210 Average	VERTICAL
2	5146.80	65.05	74.00	-8.95	60.41	5.84	33.27	34.47	168	210 Peak	VERTICAL
3	5223.60	111.55			106.83	5.80	33.39	34.47	168	210 Average	VERTICAL
4	5224.40	121.65			116.93	5.80	33.39	34.47	168	210 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5580.00	64.15	68.20	-4.05	56.11	7.85	31.83	31.64	175	309	Peak	VERTICAL
2	5759.00	97.65			89.40	7.83	32.13	31.71	175	309	Average	VERTICAL
3	5764.00	110.34			102.09	7.83	32.13	31.71	175	309	Peak	VERTICAL
4	5986.00	63.81	68.20	-4.39	55.14	8.01	32.47	31.81	175	309	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5645.00	63.83	68.20	-4.37	55.70	7.86	31.94	31.67	177	310	Peak	VERTICAL
2	5789.00	113.87			105.60	7.82	32.18	31.73	177	310	Peak	VERTICAL
3	5798.00	101.47			93.20	7.82	32.18	31.73	177	310	Average	VERTICAL
4	5948.00	64.65	68.20	-3.55	56.05	7.98	32.42	31.80	177	310	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 26, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5119.00	66.12	74.00	-7.88	61.53	5.85	33.21	34.47	139	227	Peak	VERTICAL
2	5149.00	52.81	54.00	-1.19	48.17	5.84	33.27	34.47	139	227	Average	VERTICAL
3	5234.00	113.88			109.14	5.79	33.42	34.47	139	227	Peak	VERTICAL
4	5238.00	104.05			99.31	5.79	33.42	34.47	139	227	Average	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5619.00	63.13	68.20	-5.07	55.03	7.87	31.89	31.66	176	311	Peak	VERTICAL
2	5762.00	106.65			98.40	7.83	32.13	31.71	176	311	Peak	VERTICAL
3	5763.00	94.38			86.13	7.83	32.13	31.71	176	311	Average	VERTICAL
4	5979.00	63.36	68.20	-4.84	54.69	8.01	32.47	31.81	176	311	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 26, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5148.80	63.55	74.00	-10.45	58.91	5.84	33.27	34.47	304	205 Peak	HORIZONTAL
2	5149.60	50.39	54.00	-3.61	45.75	5.84	33.27	34.47	304	205 Average	HORIZONTAL
3	5186.40	114.63			109.95	5.82	33.33	34.47	304	205 Peak	HORIZONTAL
4	5188.40	105.17			100.49	5.82	33.33	34.47	304	205 Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5126.40	48.69	54.00	-5.31	44.08	5.84	33.24	34.47	309	200 Average	HORIZONTAL
2	5127.20	60.82	74.00	-13.18	56.21	5.84	33.24	34.47	309	200 Peak	HORIZONTAL
3	5196.80	115.18			110.48	5.81	33.36	34.47	309	200 Peak	HORIZONTAL
4	5197.60	105.15			100.45	5.81	33.36	34.47	309	200 Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5138.00	59.39	74.00	-14.61	54.78	5.84	33.24	34.47	309	215 Peak	HORIZONTAL
2	5150.00	46.85	54.00	-7.15	42.21	5.84	33.27	34.47	309	215 Average	HORIZONTAL
3	5234.00	113.65			108.91	5.79	33.42	34.47	309	215 Peak	HORIZONTAL
4	5234.60	104.15			99.41	5.79	33.42	34.47	309	215 Average	HORIZONTAL
5	5351.00	46.14	54.00	-7.86	41.25	5.73	33.63	34.47	309	215 Average	HORIZONTAL
6	5375.00	59.29	74.00	-14.71	54.37	5.73	33.66	34.47	309	215 Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5643.80	63.84	68.20	-4.36	55.71	7.86	31.94	31.67	153	174 Peak	VERTICAL
2	5738.40	104.07			95.87	7.84	32.07	31.71	153	174 Average	VERTICAL
3	5739.50	115.41			107.19	7.83	32.10	31.71	153	174 Peak	VERTICAL
4	5992.50	63.77	68.20	-4.43	55.10	8.01	32.47	31.81	153	174 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5551.00	64.45	68.20	-3.75	56.49	7.80	31.78	31.62	148	177 Peak	VERTICAL
2	5779.00	106.66			98.41	7.82	32.15	31.72	148	177 Average	VERTICAL
3	5787.40	118.48			110.24	7.82	32.15	31.73	148	177 Peak	VERTICAL
4	6032.20	64.58	68.20	-3.62	55.73	8.08	32.61	31.84	148	177 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5589.80	65.51	68.20	-2.69	57.47	7.85	31.83	31.64	174	161 Peak	VERTICAL
2	5825.00	118.11			109.77	7.86	32.23	31.75	174	161 Peak	VERTICAL
3	5827.40	107.56			99.22	7.86	32.23	31.75	174	161 Average	VERTICAL
4	6074.60	64.09	68.20	-4.11	55.12	8.12	32.73	31.88	174	161 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 26, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5148.80	66.92	74.00	-7.08	62.28	5.84	33.27	34.47	301	200 Peak	HORIZONTAL
2	5150.00	52.96	54.00	-1.04	48.32	5.84	33.27	34.47	301	200 Average	HORIZONTAL
3	5185.60	111.13			106.45	5.82	33.33	34.47	301	200 Peak	HORIZONTAL
4	5197.20	100.37			95.67	5.81	33.36	34.47	301	200 Average	HORIZONTAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5147.80	47.88	54.00	-6.12	43.24	5.84	33.27	34.47	309	206 Average	HORIZONTAL
2	5150.00	60.05	74.00	-13.95	55.41	5.84	33.27	34.47	309	206 Peak	HORIZONTAL
3	5224.00	113.62			108.90	5.80	33.39	34.47	309	206 Peak	HORIZONTAL
4	5242.60	102.50			97.74	5.78	33.45	34.47	309	206 Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 151

	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	5604.30	63.98	68.20	-4.22	55.90	7.87	31.86	31.65	178	177 Peak	VERTICAL
2	5747.30	108.71			100.49	7.83	32.10	31.71	178	177 Peak	VERTICAL
3	5749.50	96.73			88.51	7.83	32.10	31.71	178	177 Average	VERTICAL
4	5982.70	63.43	68.20	-4.77	54.76	8.01	32.47	31.81	178	177 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5637.80	64.64	68.20	-3.56	56.54	7.86	31.91	31.67	175	143 Peak	VERTICAL
2	5803.40	102.31			94.05	7.82	32.18	31.74	175	143 Average	VERTICAL
3	5805.80	113.41			105.10	7.84	32.21	31.74	175	143 Peak	VERTICAL
4	5961.80	65.30	68.20	-2.90	56.66	7.99	32.45	31.80	175	143 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 26, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5130.00	65.37	74.00	-8.63	60.76	5.84	33.24	34.47	305	201 Peak	HORIZONTAL
2	5147.60	52.90	54.00	-1.10	48.26	5.84	33.27	34.47	305	201 Average	HORIZONTAL
3	5197.20	107.18			102.48	5.81	33.36	34.47	305	201 Peak	HORIZONTAL
4	5197.20	96.59			91.89	5.81	33.36	34.47	305	201 Average	HORIZONTAL
5	5350.80	46.16	54.00	-7.84	41.27	5.73	33.63	34.47	305	201 Average	HORIZONTAL
6	5400.40	58.67	74.00	-15.33	53.71	5.71	33.72	34.47	305	201 Peak	HORIZONTAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5629.80	63.11	68.20	-5.09	55.00	7.86	31.91	31.66	188	147 Peak	VERTICAL
2	5763.00	92.77			84.52	7.83	32.13	31.71	188	147 Average	VERTICAL
3	5791.80	105.97			97.70	7.82	32.18	31.73	188	147 Peak	VERTICAL
4	5973.00	63.46	68.20	-4.74	54.82	7.99	32.45	31.80	188	147 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 25, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5108.00	51.88	54.00	-2.12	47.29	5.85	33.21	34.47	313	182	Average	VERTICAL
2	5149.60	65.26	74.00	-8.74	60.62	5.84	33.27	34.47	313	182	Peak	VERTICAL
3	5188.00	118.62			113.94	5.82	33.33	34.47	313	182	Peak	VERTICAL
4	5188.40	109.10			104.42	5.82	33.33	34.47	313	182	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5127.60	61.56	74.00	-12.44	56.95	5.84	33.24	34.47	194	181	Peak	VERTICAL
2	5128.00	50.56	54.00	-3.44	45.95	5.84	33.24	34.47	194	181	Average	VERTICAL
3	5208.40	120.49			115.77	5.80	33.39	34.47	194	181	Peak	VERTICAL
4	5208.40	111.47			106.75	5.80	33.39	34.47	194	181	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5131.40	58.70	74.00	-15.30	54.09	5.84	33.24	34.47	282	224	Peak	HORIZONTAL
2	5150.00	46.65	54.00	-7.35	42.01	5.84	33.27	34.47	282	224	Average	HORIZONTAL
3	5232.80	104.40			99.66	5.79	33.42	34.47	282	224	Average	HORIZONTAL
4	5237.00	114.00			109.26	5.79	33.42	34.47	282	224	Peak	HORIZONTAL
5	5354.00	45.59	54.00	-8.41	40.70	5.73	33.63	34.47	282	224	Average	HORIZONTAL
6	5374.40	58.66	74.00	-15.34	53.74	5.73	33.66	34.47	282	224	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5512.90	65.36	68.20	-2.84	57.49	7.75	31.73	31.61	176	165 Peak	VERTICAL
2	5742.80	106.36			98.14	7.83	32.10	31.71	176	165 Average	VERTICAL
3	5748.30	117.43			109.21	7.83	32.10	31.71	176	165 Peak	VERTICAL
4	5989.20	64.65	68.20	-3.55	55.98	8.01	32.47	31.81	176	165 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5536.60	65.04	68.20	-3.16	57.13	7.78	31.75	31.62	175	136 Peak	VERTICAL
2	5786.20	118.95			110.71	7.82	32.15	31.73	175	136 Peak	VERTICAL
3	5787.40	107.78			99.54	7.82	32.15	31.73	175	136 Average	VERTICAL
4	6027.40	64.57	68.20	-3.63	55.80	8.05	32.56	31.84	175	136 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5576.60	63.94	68.20	-4.26	55.89	7.85	31.83	31.63	167	134 Peak	VERTICAL
2	5827.40	106.02			97.68	7.86	32.23	31.75	167	134 Average	VERTICAL
3	5827.40	117.01			108.67	7.86	32.23	31.75	167	134 Peak	VERTICAL
4	6067.40	65.26	68.20	-2.94	56.28	8.12	32.73	31.87	167	134 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 26, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5142.00	71.99	74.00	-2.01	67.35	5.84	33.27	34.47	198	175 Peak	VERTICAL
2	5146.00	52.65	54.00	-1.35	48.01	5.84	33.27	34.47	198	175 Average	VERTICAL
3	5205.60	115.16			110.46	5.81	33.36	34.47	198	175 Peak	VERTICAL
4	5206.00	105.57			100.87	5.81	33.36	34.47	198	175 Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5061.20	61.14	74.00	-12.86	56.61	5.88	33.12	34.47	222	176 Peak	VERTICAL
2	5062.00	48.57	54.00	-5.43	44.04	5.88	33.12	34.47	222	176 Average	VERTICAL
3	5222.00	117.76			113.04	5.80	33.39	34.47	222	176 Peak	VERTICAL
4	5222.80	108.06			103.34	5.80	33.39	34.47	222	176 Average	VERTICAL
5	5380.40	50.39	54.00	-3.61	45.45	5.72	33.69	34.47	222	176 Average	VERTICAL
6	5382.80	62.59	74.00	-11.41	57.65	5.72	33.69	34.47	222	176 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 151

	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	5585.80	65.34	68.20	-2.86	57.30	7.85	31.83	31.64	175	134 Peak	VERTICAL
2	5746.60	100.71			92.49	7.83	32.10	31.71	175	134 Average	VERTICAL
3	5746.60	112.39			104.17	7.83	32.10	31.71	175	134 Peak	VERTICAL
4	6013.00	64.24	68.20	-3.96	55.45	8.05	32.56	31.82	175	134 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5625.80	66.96	68.20	-1.24	58.85	7.86	31.91	31.66	174	142 Peak	VERTICAL
2	5802.20	114.87			106.61	7.82	32.18	31.74	174	142 Peak	VERTICAL
3	5803.40	103.50			95.24	7.82	32.18	31.74	174	142 Average	VERTICAL
4	5961.80	66.10	68.20	-2.10	57.46	7.99	32.45	31.80	174	142 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 26, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5141.20	65.95	74.00	-8.05	61.31	5.84	33.27	34.47	269	217	Peak	HORIZONTAL
2	5146.80	52.92	54.00	-1.08	48.28	5.84	33.27	34.47	269	217	Average	HORIZONTAL
3	5172.40	107.10			102.44	5.83	33.30	34.47	269	217	Peak	HORIZONTAL
4	5180.40	94.93			90.25	5.82	33.33	34.47	269	217	Average	HORIZONTAL
5	5350.00	45.66	54.00	-8.34	40.77	5.73	33.63	34.47	269	217	Average	HORIZONTAL
6	5354.80	58.13	74.00	-15.87	53.24	5.73	33.63	34.47	269	217	Peak	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5639.00	63.97	68.20	-4.23	55.87	7.86	31.91	31.67	173	135	Peak	VERTICAL
2	5753.00	107.23			99.01	7.83	32.10	31.71	173	135	Peak	VERTICAL
3	5763.00	94.59			86.34	7.83	32.13	31.71	173	135	Average	VERTICAL
4	5944.00	63.12	68.20	-5.08	54.52	7.98	32.42	31.80	173	135	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5147.60	50.61	54.00	-3.39	45.97	5.84	33.27	34.47	222	178 Average	HORIZONTAL
2	5149.20	65.36	74.00	-8.64	60.72	5.84	33.27	34.47	222	178 Peak	HORIZONTAL
3	5186.80	117.53			112.85	5.82	33.33	34.47	222	178 Peak	HORIZONTAL
4	5186.80	107.00			102.32	5.82	33.33	34.47	222	178 Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5123.20	63.83	74.00	-10.17	59.22	5.84	33.24	34.47	207	179 Peak	HORIZONTAL
2	5125.20	51.00	54.00	-3.00	46.39	5.84	33.24	34.47	207	179 Average	HORIZONTAL
3	5202.80	119.16			114.46	5.81	33.36	34.47	207	179 Peak	HORIZONTAL
4	5202.80	108.33			103.63	5.81	33.36	34.47	207	179 Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5150.00	58.57	74.00	-15.43	53.93	5.84	33.27	34.47	310	178 Peak	HORIZONTAL
2	5150.00	47.49	54.00	-6.51	42.85	5.84	33.27	34.47	310	178 Average	HORIZONTAL
3	5236.40	107.87			103.13	5.79	33.42	34.47	310	178 Average	HORIZONTAL
4	5237.60	118.08			113.34	5.79	33.42	34.47	310	178 Peak	HORIZONTAL
5	5350.00	46.45	54.00	-7.55	41.56	5.73	33.63	34.47	310	178 Average	HORIZONTAL
6	5369.60	59.71	74.00	-14.29	54.79	5.73	33.66	34.47	310	178 Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 149

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5514.00	63.01	68.20	-5.19	55.14	7.75	31.73	31.61	150	178	Peak	VERTICAL
2	5738.40	102.75			94.55	7.84	32.07	31.71	150	178	Average	VERTICAL
3	5740.60	113.76			105.54	7.83	32.10	31.71	150	178	Peak	VERTICAL
4	5990.30	64.20	68.20	-4.00	55.53	8.01	32.47	31.81	150	178	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5552.20	62.90	68.20	-5.30	54.94	7.80	31.78	31.62	144	180	Peak	VERTICAL
2	5786.20	115.87			107.63	7.82	32.15	31.73	144	180	Peak	VERTICAL
3	5792.20	105.19			96.92	7.82	32.18	31.73	144	180	Average	VERTICAL
4	6031.00	64.31	68.20	-3.89	55.46	8.08	32.61	31.84	144	180	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5615.00	62.44	68.20	-5.76	54.34	7.87	31.89	31.66	261	317	Peak	HORIZONTAL
2	5821.40	115.21			106.91	7.84	32.21	31.75	261	317	Peak	HORIZONTAL
3	5822.60	104.18			95.84	7.86	32.23	31.75	261	317	Average	HORIZONTAL
4	5927.00	63.79	68.20	-4.41	55.23	7.96	32.39	31.79	261	317	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5142.80	69.49	74.00	-4.51	64.85	5.84	33.27	34.47	324	173 Peak	HORIZONTAL
2	5150.00	52.95	54.00	-1.05	48.31	5.84	33.27	34.47	324	173 Average	HORIZONTAL
3	5205.60	114.48			109.78	5.81	33.36	34.47	324	173 Peak	HORIZONTAL
4	5207.20	104.02			99.32	5.81	33.36	34.47	324	173 Average	HORIZONTAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5082.80	60.98	74.00	-13.02	56.43	5.87	33.15	34.47	190	172 Peak	HORIZONTAL
2	5083.60	48.87	54.00	-5.13	44.32	5.87	33.15	34.47	190	172 Average	HORIZONTAL
3	5241.20	115.67			110.93	5.79	33.42	34.47	190	172 Peak	HORIZONTAL
4	5243.60	105.40			100.64	5.78	33.45	34.47	190	172 Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5578.60	64.81	68.20	-3.39	56.77	7.85	31.83	31.64	176	141	Peak	VERTICAL
2	5759.80	108.83			100.58	7.83	32.13	31.71	176	141	Peak	VERTICAL
3	5763.40	97.36			89.11	7.83	32.13	31.71	176	141	Average	VERTICAL
4	5930.20	63.92	68.20	-4.28	55.36	7.96	32.39	31.79	176	141	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5642.60	65.66	68.20	-2.54	57.53	7.86	31.94	31.67	182	141	Peak	VERTICAL
2	5803.40	100.21			91.95	7.82	32.18	31.74	182	141	Average	VERTICAL
3	5809.40	111.21			102.90	7.84	32.21	31.74	182	141	Peak	VERTICAL
4	5964.20	63.96	68.20	-4.24	55.32	7.99	32.45	31.80	182	141	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5145.20	67.29	74.00	-6.71	62.65	5.84	33.27	34.47	233	177 Peak	HORIZONTAL
2	5146.80	52.65	54.00	-1.35	48.01	5.84	33.27	34.47	233	177 Average	HORIZONTAL
3	5172.40	111.07			106.41	5.83	33.30	34.47	233	177 Peak	HORIZONTAL
4	5199.60	99.82			95.12	5.81	33.36	34.47	233	177 Average	HORIZONTAL
5	5350.00	48.04	54.00	-5.96	43.15	5.73	33.63	34.47	233	177 Average	HORIZONTAL
6	5382.80	59.59	74.00	-14.41	54.65	5.72	33.69	34.47	233	177 Peak	HORIZONTAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5643.00	62.43	68.20	-5.77	54.30	7.86	31.94	31.67	237	352 Peak	HORIZONTAL
2	5787.00	106.32			98.08	7.82	32.15	31.73	237	352 Peak	HORIZONTAL
3	5788.00	92.53			84.29	7.82	32.15	31.73	237	352 Average	HORIZONTAL
4	5968.00	64.53	68.20	-3.67	55.89	7.99	32.45	31.80	237	352 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.40	65.56	74.00	-8.44	60.92	5.84	33.27	34.47	0	179 Peak	VERTICAL
2	5150.00	52.75	54.00	-1.25	48.11	5.84	33.27	34.47	0	179 Average	VERTICAL
3	5182.00	108.60			103.92	5.82	33.33	34.47	0	179 Average	VERTICAL
4	5182.40	118.52			113.84	5.82	33.33	34.47	0	179 Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5125.60	64.41	74.00	-9.59	59.80	5.84	33.24	34.47	16	191 Peak	VERTICAL
2	5127.60	52.57	54.00	-1.43	47.96	5.84	33.24	34.47	16	191 Average	VERTICAL
3	5205.60	108.98			104.28	5.81	33.36	34.47	16	191 Average	VERTICAL
4	5206.40	119.11			114.41	5.81	33.36	34.47	16	191 Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5127.80	61.53	74.00	-12.47	56.92	5.84	33.24	34.47	334	209 Peak	VERTICAL
2	5150.00	50.22	54.00	-3.78	45.58	5.84	33.27	34.47	334	209 Average	VERTICAL
3	5231.60	119.72			114.98	5.79	33.42	34.47	334	209 Peak	VERTICAL
4	5232.20	110.31			105.57	5.79	33.42	34.47	334	209 Average	VERTICAL
5	5357.00	49.51	54.00	-4.49	44.62	5.73	33.63	34.47	334	209 Average	VERTICAL
6	5357.60	61.83	74.00	-12.17	56.94	5.73	33.63	34.47	334	209 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5586.60	64.14	68.20	-4.06	56.10	7.85	31.83	31.64	196	351 Peak	VERTICAL
2	5746.60	106.17			97.95	7.83	32.10	31.71	196	351 Average	VERTICAL
3	5749.80	116.55			108.33	7.83	32.10	31.71	196	351 Peak	VERTICAL
4	5991.40	64.87	68.20	-3.33	56.20	8.01	32.47	31.81	196	351 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5537.00	64.74	68.20	-3.46	56.83	7.78	31.75	31.62	196	353 Peak	VERTICAL
2	5783.40	109.21			100.97	7.82	32.15	31.73	196	353 Average	VERTICAL
3	5788.20	120.15			111.91	7.82	32.15	31.73	196	353 Peak	VERTICAL
4	6029.80	64.65	68.20	-3.55	55.80	8.08	32.61	31.84	196	353 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5577.00	64.32	68.20	-3.88	56.27	7.85	31.83	31.63	194	353 Peak	VERTICAL
2	5820.20	119.39			111.08	7.84	32.21	31.74	194	353 Peak	VERTICAL
3	5823.40	108.68			100.34	7.86	32.23	31.75	194	353 Average	VERTICAL
4	6060.20	64.27	68.20	-3.93	55.37	8.10	32.67	31.87	194	353 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5147.60	64.69	74.00	-9.31	60.05	5.84	33.27	34.47	0	178 Peak	VERTICAL
2	5150.00	52.78	54.00	-1.22	48.14	5.84	33.27	34.47	0	178 Average	VERTICAL
3	5182.40	101.34			96.66	5.82	33.33	34.47	0	178 Average	VERTICAL
4	5187.20	114.59			109.91	5.82	33.33	34.47	0	178 Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5148.80	50.74	54.00	-3.26	46.10	5.84	33.27	34.47	1	213 Average	VERTICAL
2	5150.00	62.82	74.00	-11.18	58.18	5.84	33.27	34.47	1	213 Peak	VERTICAL
3	5222.40	115.86			111.14	5.80	33.39	34.47	1	213 Peak	VERTICAL
4	5234.00	105.83			101.09	5.79	33.42	34.47	1	213 Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 151

	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	5607.80	63.79	68.20	-4.41	55.68	7.87	31.89	31.65	196	353 Peak	VERTICAL
2	5763.00	99.39			91.14	7.83	32.13	31.71	196	353 Average	VERTICAL
3	5766.20	111.35			103.11	7.83	32.13	31.72	196	353 Peak	VERTICAL
4	5932.60	63.60	68.20	-4.60	55.04	7.96	32.39	31.79	196	353 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5630.20	64.61	68.20	-3.59	56.50	7.86	31.91	31.66	194	352 Peak	VERTICAL
2	5803.00	103.41			95.15	7.82	32.18	31.74	194	352 Average	VERTICAL
3	5803.00	115.25			106.99	7.82	32.18	31.74	194	352 Peak	VERTICAL
4	5940.60	64.36	68.20	-3.84	55.81	7.96	32.39	31.80	194	352 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5147.60	66.20	74.00	-7.80	61.56	5.84	33.27	34.47	16	188 Peak	VERTICAL
2	5150.00	52.99	54.00	-1.01	48.35	5.84	33.27	34.47	16	188 Average	VERTICAL
3	5185.20	113.33			108.65	5.82	33.33	34.47	16	188 Peak	VERTICAL
4	5246.80	98.65			93.89	5.78	33.45	34.47	16	188 Average	VERTICAL
5	5366.80	49.40	54.00	-4.60	44.48	5.73	33.66	34.47	16	188 Average	VERTICAL
6	5378.00	61.31	74.00	-12.69	56.37	5.72	33.69	34.47	16	188 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5648.60	62.91	68.20	-5.29	54.78	7.86	31.94	31.67	199	351 Peak	VERTICAL
2	5787.80	93.64			85.40	7.82	32.15	31.73	199	351 Average	VERTICAL
3	5791.00	106.67			98.40	7.82	32.18	31.73	199	351 Peak	VERTICAL
4	5963.80	62.96	68.20	-5.24	54.32	7.99	32.45	31.80	199	351 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5150.00	68.20	74.00	-5.80	63.56	5.84	33.27	34.47	15	178 Peak	VERTICAL
2	5150.00	52.79	54.00	-1.21	48.15	5.84	33.27	34.47	15	178 Average	VERTICAL
3	5182.00	107.92			103.24	5.82	33.33	34.47	15	178 Average	VERTICAL
4	5183.00	120.73			116.05	5.82	33.33	34.47	15	178 Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5115.20	64.89	74.00	-9.11	60.30	5.85	33.21	34.47	354	163 Peak	VERTICAL
2	5122.00	52.28	54.00	-1.72	47.69	5.85	33.21	34.47	354	163 Average	VERTICAL
3	5202.00	110.27			105.57	5.81	33.36	34.47	354	163 Average	VERTICAL
4	5206.00	120.61			115.91	5.81	33.36	34.47	354	163 Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5144.00	62.75	74.00	-11.25	58.11	5.84	33.27	34.47	336	162 Peak	VERTICAL
2	5150.00	50.86	54.00	-3.14	46.22	5.84	33.27	34.47	336	162 Average	VERTICAL
3	5233.40	111.21			106.47	5.79	33.42	34.47	336	162 Average	VERTICAL
4	5243.00	121.69			116.93	5.78	33.45	34.47	336	162 Peak	VERTICAL
5	5350.40	49.43	54.00	-4.57	44.54	5.73	33.63	34.47	336	162 Average	VERTICAL
6	5355.80	61.89	74.00	-12.11	57.00	5.73	33.63	34.47	336	162 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5498.60	65.80	68.20	-2.40	57.97	7.73	31.70	31.60	197	353 Peak	VERTICAL
2	5748.20	109.24			101.02	7.83	32.10	31.71	197	353 Average	VERTICAL
3	5752.20	119.64			111.42	7.83	32.10	31.71	197	353 Peak	VERTICAL
4	5977.00	65.17	68.20	-3.03	56.50	8.01	32.47	31.81	197	353 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5516.20	62.15	68.20	-6.05	54.28	7.75	31.73	31.61	199	302 Peak	HORIZONTAL
2	5788.20	94.76			86.52	7.82	32.15	31.73	199	302 Average	HORIZONTAL
3	5788.20	104.93			96.69	7.82	32.15	31.73	199	302 Peak	HORIZONTAL
4	6098.60	63.26	68.20	-4.94	54.15	8.17	32.84	31.90	199	302 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5573.80	64.93	68.20	-3.27	56.93	7.82	31.81	31.63	196	356 Peak	VERTICAL
2	5820.20	108.79			100.48	7.84	32.21	31.74	196	356 Average	VERTICAL
3	5829.80	121.05			112.71	7.86	32.23	31.75	196	356 Peak	VERTICAL
4	6068.20	64.97	68.20	-3.23	55.99	8.12	32.73	31.87	196	356 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5150.00	65.15	74.00	-8.85	60.51	5.84	33.27	34.47	1	179	Peak	VERTICAL
2	5150.00	52.75	54.00	-1.25	48.11	5.84	33.27	34.47	1	179	Average	VERTICAL
3	5173.60	115.79			111.11	5.82	33.33	34.47	1	179	Peak	VERTICAL
4	5184.40	103.59			98.91	5.82	33.33	34.47	1	179	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5147.60	66.60	74.00	-7.40	61.96	5.84	33.27	34.47	360	179	Peak	VERTICAL
2	5150.00	52.99	54.00	-1.01	48.35	5.84	33.27	34.47	360	179	Average	VERTICAL
3	5232.40	108.84			104.10	5.79	33.42	34.47	360	179	Average	VERTICAL
4	5234.00	121.07			116.33	5.79	33.42	34.47	360	179	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 151

	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	5579.00	64.59	68.20	-3.61	56.55	7.85	31.83	31.64	199	355 Peak	VERTICAL
2	5766.20	100.96			92.72	7.83	32.13	31.72	199	355 Average	VERTICAL
3	5767.80	114.08			105.84	7.83	32.13	31.72	199	355 Peak	VERTICAL
4	5926.20	63.93	68.20	-4.27	55.37	7.96	32.39	31.79	199	355 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5643.00	66.54	68.20	-1.66	58.41	7.86	31.94	31.67	199	356 Peak	VERTICAL
2	5801.40	117.14			108.87	7.82	32.18	31.73	199	356 Peak	VERTICAL
3	5803.00	105.15			96.89	7.82	32.18	31.74	199	356 Average	VERTICAL
4	5943.80	66.00	68.20	-2.20	57.40	7.98	32.42	31.80	199	356 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5144.40	64.57	74.00	-9.43	59.93	5.84	33.27	34.47	359	189 Peak	VERTICAL
2	5150.00	52.87	54.00	-1.13	48.23	5.84	33.27	34.47	359	189 Average	VERTICAL
3	5194.00	101.43			96.73	5.81	33.36	34.47	359	189 Average	VERTICAL
4	5197.20	111.58			106.88	5.81	33.36	34.47	359	189 Peak	VERTICAL
5	5352.40	49.25	54.00	-4.75	44.36	5.73	33.63	34.47	359	189 Average	VERTICAL
6	5393.20	61.18	74.00	-12.82	56.24	5.72	33.69	34.47	359	189 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5602.20	63.83	68.20	-4.37	55.75	7.87	31.86	31.65	198	355 Peak	VERTICAL
2	5762.20	95.07			86.82	7.83	32.13	31.71	198	355 Average	VERTICAL
3	5762.20	107.72			99.47	7.83	32.13	31.71	198	355 Peak	VERTICAL
4	5946.20	63.78	68.20	-4.42	55.18	7.98	32.42	31.80	198	355 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5145.95	64.82	74.00	-9.18	59.65	6.13	34.04	35.00	176	300	VERTICAL
2	5148.41	50.00	54.00	-4.00	44.83	6.13	34.04	35.00	176	300	VERTICAL
3	5173.78	105.63			100.39	6.15	34.09	35.00	176	300	VERTICAL
4	5174.21	116.08			110.84	6.15	34.09	35.00	176	300	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5144.21	48.25	54.00	-5.75	43.08	6.13	34.04	35.00	156	300	VERTICAL
2	5148.84	60.45	74.00	-13.55	55.28	6.13	34.04	35.00	156	300	VERTICAL
3	5206.95	116.58			111.30	6.16	34.12	35.00	156	300	VERTICAL
4	5207.81	107.01			101.69	6.17	34.15	35.00	156	300	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5142.19	59.70	74.00	-14.30	54.53	6.13	34.04	35.00	175	300	VERTICAL
2	5150.00	46.78	54.00	-7.22	41.61	6.13	34.04	35.00	175	300	VERTICAL
3	5243.91	116.44			111.04	6.20	34.20	35.00	175	300	VERTICAL
4	5247.81	105.91			100.51	6.20	34.20	35.00	175	300	VERTICAL
5	5350.00	47.09	54.00	-6.91	41.47	6.26	34.36	35.00	175	300	VERTICAL
6	5351.74	59.00	74.00	-15.00	53.38	6.26	34.36	35.00	175	300	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5513.00	65.20	68.20	-3.00	57.33	7.75	31.73	31.61	197	351	Peak	VERTICAL
2	5748.20	107.18			98.96	7.83	32.10	31.71	197	351	Average	VERTICAL
3	5749.80	118.54			110.32	7.83	32.10	31.71	197	351	Peak	VERTICAL
4	5988.20	64.38	68.20	-3.82	55.71	8.01	32.47	31.81	197	351	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5548.20	66.41	68.20	-1.79	58.45	7.80	31.78	31.62	198	352	Peak	VERTICAL
2 @	5786.60	124.55			116.31	7.82	32.15	31.73	198	352	Peak	VERTICAL
3	5789.80	110.82			102.55	7.82	32.18	31.73	198	352	Average	VERTICAL
4	6034.60	66.53	68.20	-1.67	57.68	8.08	32.61	31.84	198	352	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5589.80	65.15	68.20	-3.05	57.11	7.85	31.83	31.64	196	356	Peak	VERTICAL
2	5821.80	119.59			111.29	7.84	32.21	31.75	196	356	Peak	VERTICAL
3	5826.60	106.10			97.76	7.86	32.23	31.75	196	356	Average	VERTICAL
4	6076.20	64.49	68.20	-3.71	55.52	8.12	32.73	31.88	196	356	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015 ~ Oct. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	5148.26	67.10	74.00	-6.90	61.93	6.13	34.04	35.00	174	302	VERTICAL
2	5150.00	52.78	54.00	-1.22	47.61	6.13	34.04	35.00	174	302	VERTICAL
3	5187.68	114.44			109.20	6.15	34.09	35.00	174	302	VERTICAL
4	5204.18	102.52			97.24	6.16	34.12	35.00	174	302	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	5148.26	60.14	74.00	-13.86	54.97	6.13	34.04	35.00	157	298	VERTICAL
2	5150.00	47.78	54.00	-6.22	42.61	6.13	34.04	35.00	157	298	VERTICAL
3	5212.34	103.76			98.44	6.17	34.15	35.00	157	298	VERTICAL
4	5231.74	113.38			108.03	6.18	34.17	35.00	157	298	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5601.40	64.52	68.20	-3.68	56.44	7.87	31.86	31.65	199	360	Peak	VERTICAL
2	5764.60	114.04			105.80	7.83	32.13	31.72	199	360	Peak	VERTICAL
3	5766.20	98.70			90.46	7.83	32.13	31.72	199	360	Average	VERTICAL
4	6007.80	63.42	68.20	-4.78	54.71	8.03	32.50	31.82	199	360	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5625.40	67.05	68.20	-1.15	58.94	7.86	31.91	31.66	198	350	Peak	VERTICAL
2	5787.00	106.70			98.46	7.82	32.15	31.73	198	350	Average	VERTICAL
3	5803.00	118.65			110.39	7.82	32.18	31.74	198	350	Peak	VERTICAL
4	5948.60	67.15	68.20	-1.05	58.55	7.98	32.42	31.80	198	350	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5111.65	66.20	74.00	-7.80	61.11	6.11	33.99	35.01	Peak	170	340	VERTICAL
2	5149.28	52.69	54.00	-1.31	47.52	6.13	34.04	35.00	Average	170	340	VERTICAL
3	5228.09	103.41			98.06	6.18	34.17	35.00	Average	170	340	VERTICAL
4	5228.09	111.84			106.49	6.18	34.17	35.00	Peak	170	340	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5602.20	64.67	68.20	-3.53	56.59	7.87	31.86	31.65	Peak	198	350	VERTICAL
2	5787.80	97.33			89.09	7.82	32.15	31.73	Average	198	350	VERTICAL
3	5789.40	111.56			103.29	7.82	32.18	31.73	Peak	198	350	VERTICAL
4	5933.40	64.10	68.20	-4.10	55.54	7.96	32.39	31.79	Peak	198	350	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5143.80	66.85	74.00	-7.15	62.21	5.84	33.27	34.47	353	221 Peak	HORIZONTAL
2	5148.40	50.43	54.00	-3.57	45.79	5.84	33.27	34.47	353	221 Average	HORIZONTAL
3	5187.00	115.95			111.27	5.82	33.33	34.47	353	221 Peak	HORIZONTAL
4	5188.20	106.39			101.71	5.82	33.33	34.47	353	221 Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5111.60	51.12	54.00	-2.88	46.53	5.85	33.21	34.47	359	192 Average	HORIZONTAL
2	5112.80	63.49	74.00	-10.51	58.90	5.85	33.21	34.47	359	192 Peak	HORIZONTAL
3	5192.00	107.55			102.85	5.81	33.36	34.47	359	192 Average	HORIZONTAL
4	5192.40	116.93			112.23	5.81	33.36	34.47	359	192 Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5130.20	59.02	74.00	-14.98	54.41	5.84	33.24	34.47	338	203 Peak	HORIZONTAL
2	5150.00	46.83	54.00	-7.17	42.19	5.84	33.27	34.47	338	203 Average	HORIZONTAL
3	5231.60	108.98			104.24	5.79	33.42	34.47	338	203 Average	HORIZONTAL
4	5232.80	118.34			113.60	5.79	33.42	34.47	338	203 Peak	HORIZONTAL
5	5350.00	59.25	74.00	-14.75	54.36	5.73	33.63	34.47	338	203 Peak	HORIZONTAL
6	5350.00	46.48	54.00	-7.52	41.59	5.73	33.63	34.47	338	203 Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5594.00	60.25	68.20	-7.95	52.16	7.87	31.86	31.64	176	357 Peak	HORIZONTAL
2	5748.00	108.35			100.13	7.83	32.10	31.71	176	357 Peak	HORIZONTAL
3	5751.00	104.02			95.80	7.83	32.10	31.71	176	357 Average	HORIZONTAL
4	5949.00	59.86	68.20	-8.34	51.26	7.98	32.42	31.80	176	357 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5551.00	60.25	68.20	-7.95	52.29	7.80	31.78	31.62	157	332 Peak	VERTICAL
2	5787.00	99.68			91.44	7.82	32.15	31.73	157	332 Average	VERTICAL
3	5789.00	110.20			101.93	7.82	32.18	31.73	157	332 Peak	VERTICAL
4	5950.00	60.38	68.20	-7.82	51.78	7.98	32.42	31.80	157	332 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5586.00	59.57	68.20	-8.63	51.53	7.85	31.83	31.64	154	334 Peak	VERTICAL
2	5827.00	98.75			90.41	7.86	32.23	31.75	154	334 Average	VERTICAL
3	5827.00	109.15			100.81	7.86	32.23	31.75	154	334 Peak	VERTICAL
4	5941.00	61.00	68.20	-7.20	52.45	7.96	32.39	31.80	154	334 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5140.80	68.55	74.00	-5.45	63.91	5.84	33.27	34.47	14	160 Peak	HORIZONTAL
2	5149.60	52.82	54.00	-1.18	48.18	5.84	33.27	34.47	14	160 Average	HORIZONTAL
3	5207.20	103.07			98.37	5.81	33.36	34.47	14	160 Average	HORIZONTAL
4	5207.60	112.10			107.38	5.80	33.39	34.47	14	160 Peak	HORIZONTAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5148.00	62.11	74.00	-11.89	57.47	5.84	33.27	34.47	1	172 Peak	HORIZONTAL
2	5150.00	48.81	54.00	-5.19	44.17	5.84	33.27	34.47	1	172 Average	HORIZONTAL
3	5228.80	114.11			109.37	5.79	33.42	34.47	1	172 Peak	HORIZONTAL
4	5228.80	105.35			100.61	5.79	33.42	34.47	1	172 Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 151

	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	5572.00	59.77	68.20	-8.43	51.77	7.82	31.81	31.63	154	339	Peak	VERTICAL
2	5748.00	102.78			94.56	7.83	32.10	31.71	154	339	Peak	VERTICAL
3	5759.00	91.03			82.78	7.83	32.13	31.71	154	339	Average	VERTICAL
4	5956.00	59.91	68.20	-8.29	51.31	7.98	32.42	31.80	154	339	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5567.00	60.34	68.20	-7.86	52.34	7.82	31.81	31.63	179	358	Peak	HORIZONTAL
2	5791.00	108.29			100.02	7.82	32.18	31.73	179	358	Peak	HORIZONTAL
3	5792.00	97.60			89.33	7.82	32.18	31.73	179	358	Average	HORIZONTAL
4	5944.00	60.77	68.20	-7.43	52.17	7.98	32.42	31.80	179	358	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5138.00	65.12	74.00	-8.88	60.51	5.84	33.24	34.47	354	169 Peak	HORIZONTAL
2	5148.00	52.53	54.00	-1.47	47.89	5.84	33.27	34.47	354	169 Average	HORIZONTAL
3	5241.00	98.68			93.94	5.79	33.42	34.47	354	169 Average	HORIZONTAL
4	5247.00	108.22			103.46	5.78	33.45	34.47	354	169 Peak	HORIZONTAL
5	5350.00	46.65	54.00	-7.35	41.76	5.73	33.63	34.47	354	169 Average	HORIZONTAL
6	5351.00	60.65	74.00	-13.35	55.76	5.73	33.63	34.47	354	169 Peak	HORIZONTAL

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

Channel 155

	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	5645.00	59.40	68.20	-8.80	51.27	7.86	31.94	31.67	182	354 Peak	HORIZONTAL
2	5759.00	101.13			92.88	7.83	32.13	31.71	182	354 Peak	HORIZONTAL
3	5787.00	88.01			79.77	7.82	32.15	31.73	182	354 Average	HORIZONTAL
4	5941.00	60.33	68.20	-7.87	51.78	7.96	32.39	31.80	182	354 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5106.00	52.79	54.00	-1.21	48.20	5.85	33.21	34.47	0	170	Average	HORIZONTAL
2	5144.80	64.47	74.00	-9.53	59.83	5.84	33.27	34.47	0	170	Peak	HORIZONTAL
3	5185.60	108.30			103.62	5.82	33.33	34.47	0	170	Average	HORIZONTAL
4	5186.00	117.84			113.16	5.82	33.33	34.47	0	170	Peak	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5111.60	51.35	54.00	-2.65	46.76	5.85	33.21	34.47	357	167	Average	HORIZONTAL
2	5127.60	62.80	74.00	-11.20	58.19	5.84	33.24	34.47	357	167	Peak	HORIZONTAL
3	5193.60	118.29			113.59	5.81	33.36	34.47	357	167	Peak	HORIZONTAL
4	5193.60	108.62			103.92	5.81	33.36	34.47	357	167	Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5140.40	59.46	74.00	-14.54	54.82	5.84	33.27	34.47	1	289	Peak	HORIZONTAL
2	5150.00	48.24	54.00	-5.76	43.60	5.84	33.27	34.47	1	289	Average	HORIZONTAL
3	5243.00	120.96			116.20	5.78	33.45	34.47	1	289	Peak	HORIZONTAL
4	5245.40	111.48			106.72	5.78	33.45	34.47	1	289	Average	HORIZONTAL
5	5351.60	47.76	54.00	-6.24	42.87	5.73	33.63	34.47	1	289	Average	HORIZONTAL
6	5353.40	60.54	74.00	-13.46	55.65	5.73	33.63	34.47	1	289	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5638.00	59.87	68.20	-8.33	51.77	7.86	31.91	31.67	186	354 Peak	HORIZONTAL
2	5741.00	112.61			104.39	7.83	32.10	31.71	186	354 Peak	HORIZONTAL
3	5752.00	98.57			90.35	7.83	32.10	31.71	186	354 Average	HORIZONTAL
4	5939.00	59.49	68.20	-8.71	50.94	7.96	32.39	31.80	186	354 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5549.00	60.44	68.20	-7.76	52.48	7.80	31.78	31.62	157	331 Peak	VERTICAL
2	5784.00	112.74			104.50	7.82	32.15	31.73	157	331 Peak	VERTICAL
3	5787.00	100.20			91.96	7.82	32.15	31.73	157	331 Average	VERTICAL
4	5951.00	60.43	68.20	-7.77	51.83	7.98	32.42	31.80	157	331 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5645.00	58.95	68.20	-9.25	50.82	7.86	31.94	31.67	156	334 Peak	VERTICAL
2	5820.00	98.17			89.86	7.84	32.21	31.74	156	334 Average	VERTICAL
3	5824.00	109.31			100.97	7.86	32.23	31.75	156	334 Peak	VERTICAL
4	5930.00	60.97	68.20	-7.23	52.41	7.96	32.39	31.79	156	334 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.80	63.72	74.00	-10.28	59.08	5.84	33.27	34.47	357	162	Peak	HORIZONTAL
2	5150.00	52.63	54.00	-1.37	47.99	5.84	33.27	34.47	357	162	Average	HORIZONTAL
3	5204.80	115.64			110.94	5.81	33.36	34.47	357	162	Peak	HORIZONTAL
4	5206.00	105.60			100.90	5.81	33.36	34.47	357	162	Average	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.40	51.75	54.00	-2.25	47.11	5.84	33.27	34.47	352	224	Average	HORIZONTAL
2	5148.80	66.33	74.00	-7.67	61.69	5.84	33.27	34.47	352	224	Peak	HORIZONTAL
3	5226.40	119.43			114.69	5.79	33.42	34.47	352	224	Peak	HORIZONTAL
4	5228.00	109.28			104.54	5.79	33.42	34.47	352	224	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 151

	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	5580.00	61.63	68.20	-6.57	53.59	7.85	31.83	31.64	182	359 Peak	HORIZONTAL
2	5761.00	109.45			101.20	7.83	32.13	31.71	182	359 Peak	HORIZONTAL
3	5772.00	101.04			92.79	7.82	32.15	31.72	182	359 Average	HORIZONTAL
4	5966.00	60.21	68.20	-7.99	51.57	7.99	32.45	31.80	182	359 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5641.00	60.65	68.20	-7.55	52.52	7.86	31.94	31.67	152	332 Peak	HORIZONTAL
2	5784.00	109.68			101.44	7.82	32.15	31.73	152	332 Peak	HORIZONTAL
3	5787.00	102.70			94.46	7.82	32.15	31.73	152	332 Average	HORIZONTAL
4	5945.00	63.41	68.20	-4.79	54.81	7.98	32.42	31.80	152	332 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5138.00	52.65	54.00	-1.35	48.04	5.84	33.24	34.47	353	158	Average	HORIZONTAL
2	5150.00	67.83	74.00	-6.17	63.19	5.84	33.27	34.47	353	158	Peak	HORIZONTAL
3	5241.00	103.53			98.79	5.79	33.42	34.47	353	158	Average	HORIZONTAL
4	5244.00	113.15			108.39	5.78	33.45	34.47	353	158	Peak	HORIZONTAL
5	5350.00	48.42	54.00	-5.58	43.53	5.73	33.63	34.47	353	158	Average	HORIZONTAL
6	5393.00	60.28	74.00	-13.72	55.34	5.72	33.69	34.47	353	158	Peak	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5631.00	61.13	68.20	-7.07	53.02	7.86	31.91	31.66	181	354	Peak	HORIZONTAL
2	5752.00	104.42			96.20	7.83	32.10	31.71	181	354	Average	HORIZONTAL
3	5792.00	115.26			106.99	7.82	32.18	31.73	181	354	Peak	HORIZONTAL
4	5987.00	59.75	68.20	-8.45	51.08	8.01	32.47	31.81	181	354	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5102.00	52.85	54.00	-1.15	48.28	5.86	33.18	34.47	7	278	Average	VERTICAL
2	5106.40	63.97	74.00	-10.03	59.38	5.85	33.21	34.47	7	278	Peak	VERTICAL
3	5182.40	108.68			104.00	5.82	33.33	34.47	7	278	Average	VERTICAL
4	5186.00	118.54			113.86	5.82	33.33	34.47	7	278	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5112.00	52.74	54.00	-1.26	48.15	5.85	33.21	34.47	359	175	Average	HORIZONTAL
2	5113.60	64.10	74.00	-9.90	59.51	5.85	33.21	34.47	359	175	Peak	HORIZONTAL
3	5192.00	110.75			106.05	5.81	33.36	34.47	359	175	Average	HORIZONTAL
4	5196.40	120.01			115.31	5.81	33.36	34.47	359	175	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5150.00	60.21	74.00	-13.79	55.57	5.84	33.27	34.47	1	166	Peak	HORIZONTAL
2	5150.00	48.90	54.00	-5.10	44.26	5.84	33.27	34.47	1	166	Average	HORIZONTAL
3	5232.20	119.17			114.43	5.79	33.42	34.47	1	166	Peak	HORIZONTAL
4	5232.20	110.61			105.87	5.79	33.42	34.47	1	166	Average	HORIZONTAL
5	5352.20	46.68	54.00	-7.32	41.79	5.73	33.63	34.47	1	166	Average	HORIZONTAL
6	5388.20	59.47	74.00	-14.53	54.53	5.72	33.69	34.47	1	166	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5540.00	60.17	68.20	-8.03	52.26	7.78	31.75	31.62	182	354	Peak	HORIZONTAL
2	5749.00	112.00			103.78	7.83	32.10	31.71	182	354	Peak	HORIZONTAL
3	5751.00	105.02			96.80	7.83	32.10	31.71	182	354	Average	HORIZONTAL
4	5985.00	60.50	68.20	-7.70	51.83	8.01	32.47	31.81	182	354	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5551.50	60.89	68.20	-7.31	52.93	7.80	31.78	31.62	156	336	Peak	VERTICAL
2	5781.00	114.05			105.80	7.82	32.15	31.72	156	336	Peak	VERTICAL
3	5792.00	104.18			95.91	7.82	32.18	31.73	156	336	Average	VERTICAL
4	5930.00	60.29	68.20	-7.91	51.73	7.96	32.39	31.79	156	336	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5590.00	60.58	68.20	-7.62	52.54	7.85	31.83	31.64	183	354	Peak	HORIZONTAL
2	5820.00	113.31			105.00	7.84	32.21	31.74	183	354	Peak	HORIZONTAL
3	5832.00	103.05			94.71	7.86	32.23	31.75	183	354	Average	HORIZONTAL
4	5974.00	60.23	68.20	-7.97	51.59	7.99	32.45	31.80	183	354	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5143.60	68.06	74.00	-5.94	63.42	5.84	33.27	34.47	0	168 Peak	HORIZONTAL
2	5149.20	52.98	54.00	-1.02	48.34	5.84	33.27	34.47	0	168 Average	HORIZONTAL
3	5195.60	116.95			112.25	5.81	33.36	34.47	0	168 Peak	HORIZONTAL
4	5195.60	107.05			102.35	5.81	33.36	34.47	0	168 Average	HORIZONTAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5144.40	61.35	74.00	-12.65	56.71	5.84	33.27	34.47	339	159 Peak	HORIZONTAL
2	5148.40	49.59	54.00	-4.41	44.95	5.84	33.27	34.47	339	159 Average	HORIZONTAL
3	5242.00	116.58			111.82	5.78	33.45	34.47	339	159 Peak	HORIZONTAL
4	5242.80	107.24			102.48	5.78	33.45	34.47	339	159 Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5601.00	62.05	68.20	-6.15	53.97	7.87	31.86	31.65	179	359	Peak	HORIZONTAL
2	5763.00	108.88			100.63	7.83	32.13	31.71	179	359	Peak	HORIZONTAL
3	5772.00	101.27			93.02	7.82	32.15	31.72	179	359	Average	HORIZONTAL
4	5991.00	60.53	68.20	-7.67	51.86	8.01	32.47	31.81	179	359	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5624.00	60.97	68.20	-7.23	52.86	7.86	31.91	31.66	157	335	Peak	VERTICAL
2	5786.00	110.18			101.94	7.82	32.15	31.73	157	335	Peak	VERTICAL
3	5791.00	98.68			90.41	7.82	32.18	31.73	157	335	Average	VERTICAL
4	5948.00	61.83	68.20	-6.37	53.23	7.98	32.42	31.80	157	335	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5126.80	66.01	74.00	-7.99	61.40	5.84	33.24	34.47	340	136 Peak	HORIZONTAL
2	5148.40	52.43	54.00	-1.57	47.79	5.84	33.27	34.47	340	136 Average	HORIZONTAL
3	5245.20	112.61			107.85	5.78	33.45	34.47	340	136 Peak	HORIZONTAL
4	5247.60	103.43			98.67	5.78	33.45	34.47	340	136 Average	HORIZONTAL
5	5351.60	49.71	54.00	-4.29	44.82	5.73	33.63	34.47	340	136 Average	HORIZONTAL
6	5352.40	62.29	74.00	-11.71	57.40	5.73	33.63	34.47	340	136 Peak	HORIZONTAL

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

Channel 155

	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	5612.00	59.78	68.20	-8.42	51.67	7.87	31.89	31.65	199	14 Peak	HORIZONTAL
2	5763.00	103.25			95.00	7.83	32.13	31.71	199	14 Average	HORIZONTAL
3	5786.00	110.78			102.54	7.82	32.15	31.73	199	14 Peak	HORIZONTAL
4	5989.00	60.73	68.20	-7.47	52.06	8.01	32.47	31.81	199	14 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 24, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.60	47.69	54.00	-6.31	43.05	5.84	33.27	34.47	205	225	Average	VERTICAL
2	5148.80	59.54	74.00	-14.46	54.90	5.84	33.27	34.47	205	225	Peak	VERTICAL
3	5186.20	114.95			110.27	5.82	33.33	34.47	205	225	Peak	VERTICAL
4	5187.00	105.18			100.50	5.82	33.33	34.47	205	225	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5114.00	60.77	74.00	-13.23	56.18	5.85	33.21	34.47	123	231	Peak	VERTICAL
2	5114.40	48.37	54.00	-5.63	43.78	5.85	33.21	34.47	123	231	Average	VERTICAL
3	5191.60	105.83			101.13	5.81	33.36	34.47	123	231	Average	VERTICAL
4	5194.80	115.75			111.05	5.81	33.36	34.47	123	231	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5120.60	45.82	54.00	-8.18	41.23	5.85	33.21	34.47	336	223	Average	VERTICAL
2	5141.60	58.81	74.00	-15.19	54.17	5.84	33.27	34.47	336	223	Peak	VERTICAL
3	5246.60	117.58			112.82	5.78	33.45	34.47	336	223	Peak	VERTICAL
4	5248.40	107.73			102.97	5.78	33.45	34.47	336	223	Average	VERTICAL
5	5350.00	45.63	54.00	-8.37	40.74	5.73	33.63	34.47	336	223	Average	VERTICAL
6	5369.60	58.14	74.00	-15.86	53.22	5.73	33.66	34.47	336	223	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5498.60	63.31	68.20	-4.89	55.48	7.73	31.70	31.60	100	304 Peak	HORIZONTAL
2	5751.40	103.70			95.48	7.83	32.10	31.71	100	304 Average	HORIZONTAL
3	5751.40	114.38			106.16	7.83	32.10	31.71	100	304 Peak	HORIZONTAL
4	5977.00	63.33	68.20	-4.87	54.66	8.01	32.47	31.81	100	304 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5485.80	62.19	68.20	-6.01	54.39	7.71	31.69	31.60	150	310 Peak	VERTICAL
2	5780.20	106.02			97.77	7.82	32.15	31.72	150	310 Peak	VERTICAL
3	5788.20	95.45			87.21	7.82	32.15	31.73	150	310 Average	VERTICAL
4	6015.40	63.53	68.20	-4.67	54.76	8.05	32.56	31.84	150	310 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5503.40	62.04	68.20	-6.16	54.21	7.73	31.70	31.60	185	313 Peak	VERTICAL
2	5826.60	93.43			85.09	7.86	32.23	31.75	185	313 Average	VERTICAL
3	5826.60	104.08			95.74	7.86	32.23	31.75	185	313 Peak	VERTICAL
4	6049.00	62.98	68.20	-5.22	54.06	8.10	32.67	31.85	185	313 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 24, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5145.20	65.73	74.00	-8.27	61.09	5.84	33.27	34.47	269	217	Peak	VERTICAL
2	5150.00	52.63	54.00	-1.37	47.99	5.84	33.27	34.47	269	217	Average	VERTICAL
3	5195.20	101.95			97.25	5.81	33.36	34.47	269	217	Average	VERTICAL
4	5196.40	111.46			106.76	5.81	33.36	34.47	269	217	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.00	47.75	54.00	-6.25	43.11	5.84	33.27	34.47	269	241	Average	VERTICAL
2	5150.00	61.03	74.00	-12.97	56.39	5.84	33.27	34.47	269	241	Peak	VERTICAL
3	5214.00	103.52			98.80	5.80	33.39	34.47	269	241	Average	VERTICAL
4	5236.00	113.99			109.25	5.79	33.42	34.47	269	241	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 151

	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	5599.80	62.32	68.20	-5.88	54.24	7.87	31.86	31.65	152	309 Peak	VERTICAL
2	5763.00	87.88			79.63	7.83	32.13	31.71	152	309 Average	VERTICAL
3	5764.60	100.12			91.88	7.83	32.13	31.72	152	309 Peak	VERTICAL
4	6003.00	63.64	68.20	-4.56	54.93	8.03	32.50	31.82	152	309 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5623.80	63.67	68.20	-4.53	55.56	7.86	31.91	31.66	100	288 Peak	HORIZONTAL
2	5779.00	99.47			91.22	7.82	32.15	31.72	100	288 Average	HORIZONTAL
3	5782.20	110.93			102.68	7.82	32.15	31.72	100	288 Peak	HORIZONTAL
4	5948.60	65.11	68.20	-3.09	56.51	7.98	32.42	31.80	100	288 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 24, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5147.00	52.55	54.00	-1.45	47.91	5.84	33.27	34.47	43	260 Average	VERTICAL
2	5148.00	63.64	74.00	-10.36	59.00	5.84	33.27	34.47	43	260 Peak	VERTICAL
3	5239.00	95.62			90.88	5.79	33.42	34.47	43	260 Average	VERTICAL
4	5240.00	106.17			101.43	5.79	33.42	34.47	43	260 Peak	VERTICAL
5	5350.50	46.72	54.00	-7.28	41.83	5.73	33.63	34.47	43	260 Average	VERTICAL
6	5360.50	61.72	74.00	-12.28	56.83	5.73	33.63	34.47	43	260 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5571.80	62.22	68.20	-5.98	54.22	7.82	31.81	31.63	150	308 Peak	VERTICAL
2	5760.60	81.87			73.62	7.83	32.13	31.71	150	308 Average	VERTICAL
3	5762.20	93.84			85.59	7.83	32.13	31.71	150	308 Peak	VERTICAL
4	6067.80	63.95	68.20	-4.25	54.97	8.12	32.73	31.87	150	308 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 23, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5148.40	62.73	74.00	-11.27	58.09	5.84	33.27	34.47	200	238 Peak	VERTICAL
2	5148.40	50.58	54.00	-3.42	45.94	5.84	33.27	34.47	200	238 Average	VERTICAL
3	5187.40	119.04			114.36	5.82	33.33	34.47	200	238 Peak	VERTICAL
4	5188.40	109.53			104.85	5.82	33.33	34.47	200	238 Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5112.40	49.38	54.00	-4.62	44.79	5.85	33.21	34.47	203	218 Average	VERTICAL
2	5113.20	61.94	74.00	-12.06	57.35	5.85	33.21	34.47	203	218 Peak	VERTICAL
3	5192.80	119.12			114.42	5.81	33.36	34.47	203	218 Peak	VERTICAL
4	5194.80	108.64			103.94	5.81	33.36	34.47	203	218 Average	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.40	58.75	74.00	-15.25	54.11	5.84	33.27	34.47	208	225 Peak	VERTICAL
2	5150.00	46.78	54.00	-7.22	42.14	5.84	33.27	34.47	208	225 Average	VERTICAL
3	5244.20	118.59			113.83	5.78	33.45	34.47	208	225 Peak	VERTICAL
4	5248.40	109.40			104.64	5.78	33.45	34.47	208	225 Average	VERTICAL
5	5350.00	45.99	54.00	-8.01	41.10	5.73	33.63	34.47	208	225 Average	VERTICAL
6	5353.00	57.30	74.00	-16.70	52.41	5.73	33.63	34.47	208	225 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5550.30	61.54	68.20	-6.66	53.58	7.80	31.78	31.62	211	67 Peak	HORIZONTAL
2	5751.60	102.40			94.18	7.83	32.10	31.71	211	67 Average	HORIZONTAL
3	5751.60	112.77			104.55	7.83	32.10	31.71	211	67 Peak	HORIZONTAL
4	5990.30	61.60	68.20	-6.60	52.93	8.01	32.47	31.81	211	67 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5536.60	61.74	68.20	-6.46	53.83	7.78	31.75	31.62	209	64 Peak	HORIZONTAL
2	5782.60	116.04			107.79	7.82	32.15	31.72	209	64 Peak	HORIZONTAL
3	5791.00	105.20			96.93	7.82	32.18	31.73	209	64 Average	HORIZONTAL
4	6019.00	62.93	68.20	-5.27	54.16	8.05	32.56	31.84	209	64 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5574.20	62.19	68.20	-6.01	54.19	7.82	31.81	31.63	228	62 Peak	HORIZONTAL
2	5829.80	114.26			105.92	7.86	32.23	31.75	228	62 Peak	HORIZONTAL
3	5832.20	103.57			95.23	7.86	32.23	31.75	228	62 Average	HORIZONTAL
4	6067.40	61.34	68.20	-6.86	52.36	8.12	32.73	31.87	228	62 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 23, 2015 ~ Oct. 24, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5150.00	66.74	74.00	-7.26	62.10	5.84	33.27	34.47	206	234	Peak	VERTICAL
2	5150.00	52.61	54.00	-1.39	47.97	5.84	33.27	34.47	206	234	Average	VERTICAL
3	5202.80	104.43			99.73	5.81	33.36	34.47	206	234	Average	VERTICAL
4	5204.00	114.36			109.66	5.81	33.36	34.47	206	234	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5141.60	60.93	74.00	-13.07	56.29	5.84	33.27	34.47	210	231	Peak	VERTICAL
2	5147.60	48.32	54.00	-5.68	43.68	5.84	33.27	34.47	210	231	Average	VERTICAL
3	5244.00	118.45			113.69	5.78	33.45	34.47	210	231	Peak	VERTICAL
4	5247.20	108.61			103.85	5.78	33.45	34.47	210	231	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 151

	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	5589.40	62.44	68.20	-5.76	54.40	7.85	31.83	31.64	215	69 Peak	HORIZONTAL
2	5759.80	107.44			99.19	7.83	32.13	31.71	215	69 Peak	HORIZONTAL
3	5771.80	96.69			88.45	7.83	32.13	31.72	215	69 Average	HORIZONTAL
4	5933.80	61.29	68.20	-6.91	52.73	7.96	32.39	31.79	215	69 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5630.60	62.58	68.20	-5.62	54.47	7.86	31.91	31.66	218	67 Peak	HORIZONTAL
2	5791.40	99.04			90.77	7.82	32.18	31.73	218	67 Average	HORIZONTAL
3	5802.20	109.53			101.27	7.82	32.18	31.74	218	67 Peak	HORIZONTAL
4	5972.60	62.86	68.20	-5.34	54.22	7.99	32.45	31.80	218	67 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 24, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5142.00	68.79	74.00	-5.21	64.15	5.84	33.27	34.47	210	234 Peak	VERTICAL
2	5150.00	52.86	54.00	-1.14	48.22	5.84	33.27	34.47	210	234 Average	VERTICAL
3	5234.00	112.09			107.35	5.79	33.42	34.47	210	234 Peak	VERTICAL
4	5247.00	101.65			96.89	5.78	33.45	34.47	210	234 Average	VERTICAL
5	5350.00	48.85	54.00	-5.15	43.96	5.73	33.63	34.47	210	234 Average	VERTICAL
6	5359.00	61.72	74.00	-12.28	56.83	5.73	33.63	34.47	210	234 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5554.20	61.24	68.20	-6.96	53.28	7.80	31.78	31.62	208	68 Peak	HORIZONTAL
2	5771.40	92.65			84.41	7.83	32.13	31.72	208	68 Average	HORIZONTAL
3	5787.00	105.26			97.02	7.82	32.15	31.73	208	68 Peak	HORIZONTAL
4	5963.40	61.16	68.20	-7.04	52.52	7.99	32.45	31.80	208	68 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5147.20	63.46	74.00	-10.54	58.82	5.84	33.27	34.47	49	250 Peak	VERTICAL
2	5148.40	50.39	54.00	-3.61	45.75	5.84	33.27	34.47	49	250 Average	VERTICAL
3	5187.00	120.52			115.84	5.82	33.33	34.47	49	250 Peak	VERTICAL
4	5188.40	110.13			105.45	5.82	33.33	34.47	49	250 Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5126.00	51.60	54.00	-2.40	46.99	5.84	33.24	34.47	321	249 Average	VERTICAL
2	5127.20	63.52	74.00	-10.48	58.91	5.84	33.24	34.47	321	249 Peak	VERTICAL
3	5206.00	119.83			115.13	5.81	33.36	34.47	321	249 Peak	VERTICAL
4	5206.80	110.47			105.77	5.81	33.36	34.47	321	249 Average	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.40	59.86	74.00	-14.14	55.22	5.84	33.27	34.47	316	254 Peak	VERTICAL
2	5150.00	48.47	54.00	-5.53	43.83	5.84	33.27	34.47	316	254 Average	VERTICAL
3	5246.60	110.48			105.72	5.78	33.45	34.47	316	254 Average	VERTICAL
4	5247.20	120.33			115.57	5.78	33.45	34.47	316	254 Peak	VERTICAL
5	5350.00	48.30	54.00	-5.70	43.41	5.73	33.63	34.47	316	254 Average	VERTICAL
6	5352.40	60.15	74.00	-13.85	55.26	5.73	33.63	34.47	316	254 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5484.30	61.51	68.20	-6.69	53.71	7.71	31.69	31.60	192	66	Peak	HORIZONTAL
2	5739.50	112.75			104.53	7.83	32.10	31.71	192	66	Peak	HORIZONTAL
3	5751.60	101.79			93.57	7.83	32.10	31.71	192	66	Average	HORIZONTAL
4	5977.10	61.32	68.20	-6.88	52.65	8.01	32.47	31.81	192	66	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5549.80	62.71	68.20	-5.49	54.75	7.80	31.78	31.62	186	65	Peak	HORIZONTAL
2	5779.00	106.01			97.76	7.82	32.15	31.72	186	65	Average	HORIZONTAL
3	5780.20	116.13			107.88	7.82	32.15	31.72	186	65	Peak	HORIZONTAL
4	5944.60	61.99	68.20	-6.21	53.39	7.98	32.42	31.80	186	65	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5575.40	60.88	68.20	-7.32	52.83	7.85	31.83	31.63	177	66	Peak	HORIZONTAL
2	5820.20	114.12			105.81	7.84	32.21	31.74	177	66	Peak	HORIZONTAL
3	5831.00	103.75			95.41	7.86	32.23	31.75	177	66	Average	HORIZONTAL
4	6075.80	61.66	68.20	-6.54	52.69	8.12	32.73	31.88	177	66	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5142.80	68.85	74.00	-5.15	64.21	5.84	33.27	34.47	359	249	Peak	VERTICAL
2	5150.00	52.51	54.00	-1.49	47.87	5.84	33.27	34.47	359	249	Average	VERTICAL
3	5202.00	112.96			108.26	5.81	33.36	34.47	359	249	Peak	VERTICAL
4	5204.80	103.21			98.51	5.81	33.36	34.47	359	249	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5147.20	63.82	74.00	-10.18	59.18	5.84	33.27	34.47	319	255	Peak	VERTICAL
2	5150.00	49.81	54.00	-4.19	45.17	5.84	33.27	34.47	319	255	Average	VERTICAL
3	5212.00	107.22			102.50	5.80	33.39	34.47	319	255	Average	VERTICAL
4	5215.20	116.18			111.46	5.80	33.39	34.47	319	255	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5589.00	61.90	68.20	-6.30	53.86	7.85	31.83	31.64	192	63	Peak	HORIZONTAL
2	5759.00	97.27			89.02	7.83	32.13	31.71	192	63	Average	HORIZONTAL
3	5764.00	110.25			102.00	7.83	32.13	31.71	192	63	Peak	HORIZONTAL
4	5988.00	61.45	68.20	-6.75	52.78	8.01	32.47	31.81	192	63	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5623.40	62.66	68.20	-5.54	54.56	7.87	31.89	31.66	186	64	Peak	HORIZONTAL
2	5784.00	113.07			104.83	7.82	32.15	31.73	186	64	Peak	HORIZONTAL
3	5798.30	100.43			92.16	7.82	32.18	31.73	186	64	Average	HORIZONTAL
4	5952.30	64.04	68.20	-4.16	55.44	7.98	32.42	31.80	186	64	Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5138.42	65.24	74.00	-8.76	60.63	5.84	33.24	34.47	318	250 Peak	VERTICAL
2	5150.00	52.63	54.00	-1.37	47.99	5.84	33.27	34.47	318	250 Average	VERTICAL
3	5176.71	111.82			107.14	5.82	33.33	34.47	318	250 Peak	VERTICAL
4	5204.93	102.81			98.11	5.81	33.36	34.47	318	250 Average	VERTICAL
5	5350.00	49.30	54.00	-4.70	44.41	5.73	33.63	34.47	318	250 Average	VERTICAL
6	5357.96	62.17	74.00	-11.83	57.28	5.73	33.63	34.47	318	250 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5614.00	60.87	68.20	-7.33	52.76	7.87	31.89	31.65	299	345 Peak	VERTICAL
2	5763.00	87.76			79.51	7.83	32.13	31.71	299	345 Average	VERTICAL
3	5783.00	99.72			91.48	7.82	32.15	31.73	299	345 Peak	VERTICAL
4	5968.00	61.66	68.20	-6.54	53.02	7.99	32.45	31.80	299	345 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 25, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5104.40	49.71	54.00	-4.29	45.14	5.86	33.18	34.47	120	282 Average	VERTICAL
2	5146.40	62.28	74.00	-11.72	57.64	5.84	33.27	34.47	120	282 Peak	VERTICAL
3	5185.60	102.54			97.86	5.82	33.33	34.47	120	282 Average	VERTICAL
4	5187.20	113.00			108.32	5.82	33.33	34.47	120	282 Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5125.60	50.82	54.00	-3.18	46.21	5.84	33.24	34.47	241	269 Average	VERTICAL
2	5127.60	63.08	74.00	-10.92	58.47	5.84	33.24	34.47	241	269 Peak	VERTICAL
3	5205.60	118.14			113.44	5.81	33.36	34.47	241	269 Peak	VERTICAL
4	5207.20	107.42			102.72	5.81	33.36	34.47	241	269 Average	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.40	62.23	74.00	-11.77	57.59	5.84	33.27	34.47	247	249 Peak	VERTICAL
2	5150.00	49.19	54.00	-4.81	44.55	5.84	33.27	34.47	247	249 Average	VERTICAL
3	5243.60	117.32			112.56	5.78	33.45	34.47	247	249 Peak	VERTICAL
4	5246.60	106.52			101.76	5.78	33.45	34.47	247	249 Average	VERTICAL
5	5350.00	48.23	54.00	-5.77	43.34	5.73	33.63	34.47	247	249 Average	VERTICAL
6	5375.00	60.45	74.00	-13.55	55.53	5.73	33.66	34.47	247	249 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 149

	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	5627.50	61.42	68.20	-6.78	54.58	8.56	34.85	36.57	106	222	Peak	VERTICAL
2	5740.90	109.18			102.11	8.34	35.25	36.52	106	222	Average	VERTICAL
3	5740.90	119.05			111.98	8.34	35.25	36.52	106	222	Peak	VERTICAL
4	5985.34	64.85	68.20	-3.35	56.48	8.74	36.04	36.41	106	222	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	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	5550.64	62.66	68.20	-5.54	56.18	8.51	34.57	36.60	100	220	Peak	VERTICAL
2	5780.59	120.71			113.57	8.28	35.36	36.50	100	220	Peak	VERTICAL
3	5788.78	111.28			104.10	8.25	35.42	36.49	100	220	Average	VERTICAL
4	6033.22	66.76	68.20	-1.44	58.20	8.81	36.14	36.39	100	220	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	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	5589.70	61.62	68.20	-6.58	54.95	8.58	34.68	36.59	117	218	Peak	VERTICAL
2	5827.84	118.25			110.86	8.34	35.53	36.48	117	218	Peak	VERTICAL
3	5829.10	107.74			100.35	8.34	35.53	36.48	117	218	Average	VERTICAL
4	6072.28	64.79	68.20	-3.41	56.14	8.84	36.19	36.38	117	218	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 /Chain 1 + Chain 2
Test Date	Oct. 25, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5148.80	64.74	74.00	-9.26	60.10	5.84	33.27	34.47	244	253 Peak	VERTICAL
2	5150.00	52.89	54.00	-1.11	48.25	5.84	33.27	34.47	244	253 Average	VERTICAL
3	5186.40	99.91			95.23	5.82	33.33	34.47	244	253 Average	VERTICAL
4	5196.40	111.21			106.51	5.81	33.36	34.47	244	253 Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5141.20	62.80	74.00	-11.20	58.16	5.84	33.27	34.47	241	268 Peak	VERTICAL
2	5147.60	50.78	54.00	-3.22	46.14	5.84	33.27	34.47	241	268 Average	VERTICAL
3	5244.40	115.52			110.76	5.78	33.45	34.47	241	268 Peak	VERTICAL
4	5244.40	105.29			100.53	5.78	33.45	34.47	241	268 Average	VERTICAL
5	5373.20	50.01	54.00	-3.99	45.09	5.73	33.66	34.47	241	268 Average	VERTICAL
6	5382.00	64.24	74.00	-9.76	59.30	5.72	33.69	34.47	241	268 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 151

	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	5609.86	62.01	68.20	-6.19	55.20	8.59	34.80	36.58	111	222	Peak	VERTICAL
2	5762.32	102.12			95.01	8.31	35.31	36.51	111	222	Average	VERTICAL
3	5764.84	112.72			105.60	8.31	35.31	36.50	111	222	Peak	VERTICAL
4	5924.86	62.91	68.30	-5.39	54.87	8.60	35.87	36.43	111	222	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5630.02	63.65	68.20	-4.55	56.81	8.56	34.85	36.57	106	222	Peak	VERTICAL
2	5786.26	115.38			108.23	8.28	35.36	36.49	106	222	Peak	VERTICAL
3	5790.04	104.91			97.73	8.25	35.42	36.49	106	222	Average	VERTICAL
4	6045.82	63.83	68.20	-4.37	55.24	8.82	36.16	36.39	106	222	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 25, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.00	65.44	74.00	-8.56	60.80	5.84	33.27	34.47	292	264 Peak	VERTICAL
2	5149.20	52.97	54.00	-1.03	48.33	5.84	33.27	34.47	292	264 Average	VERTICAL
3	5174.00	108.97			104.29	5.82	33.33	34.47	292	264 Peak	VERTICAL
4	5179.60	95.90			91.22	5.82	33.33	34.47	292	264 Average	VERTICAL
5	5350.00	47.28	54.00	-6.72	42.39	5.73	33.63	34.47	292	264 Average	VERTICAL
6	5355.60	59.86	74.00	-14.14	54.97	5.73	33.63	34.47	292	264 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5633.80	60.59	68.20	-7.61	53.74	8.56	34.85	36.56	189	63 Peak	HORIZONTAL
2	5761.06	96.47			89.36	8.31	35.31	36.51	189	63 Peak	HORIZONTAL
3	5762.32	85.13			78.02	8.31	35.31	36.51	189	63 Average	HORIZONTAL
4	6020.62	62.37	68.20	-5.83	53.85	8.79	36.12	36.39	189	63 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 25, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.80	68.43	74.00	-5.57	63.79	5.84	33.27	34.47	25	250 Peak	VERTICAL
2	5149.60	52.97	54.00	-1.03	48.33	5.84	33.27	34.47	25	250 Average	VERTICAL
3	5173.60	109.57			104.89	5.82	33.33	34.47	25	250 Average	VERTICAL
4	5174.80	119.28			114.60	5.82	33.33	34.47	25	250 Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5124.80	64.02	74.00	-9.98	59.41	5.84	33.24	34.47	39	272 Peak	VERTICAL
2	5125.20	51.97	54.00	-2.03	47.36	5.84	33.24	34.47	39	272 Average	VERTICAL
3	5197.60	120.53			115.83	5.81	33.36	34.47	39	272 Peak	VERTICAL
4	5203.20	109.96			105.26	5.81	33.36	34.47	39	272 Average	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5150.00	67.63	74.00	-6.37	62.99	5.84	33.27	34.47	39	272 Peak	VERTICAL
2	5150.00	50.84	54.00	-3.16	46.20	5.84	33.27	34.47	39	272 Average	VERTICAL
3	5243.00	111.75			106.99	5.78	33.45	34.47	39	272 Average	VERTICAL
4	5247.20	122.28			117.52	5.78	33.45	34.47	39	272 Peak	VERTICAL
5	5350.00	49.29	54.00	-4.71	44.40	5.73	33.63	34.47	39	272 Average	VERTICAL
6	5353.00	61.09	74.00	-12.91	56.20	5.73	33.63	34.47	39	272 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5647.66	62.62	68.20	-5.58	55.74	8.53	34.91	36.56	101	219	Peak	VERTICAL
2	5742.16	109.55			102.48	8.34	35.25	36.52	101	219	Average	VERTICAL
3	5743.42	119.36			112.29	8.34	35.25	36.52	101	219	Peak	VERTICAL
4	5991.64	64.03	68.20	-4.17	55.66	8.74	36.04	36.41	101	219	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5551.90	63.01	68.20	-5.19	56.53	8.51	34.57	36.60	101	217	Peak	VERTICAL
2	5781.22	119.69			112.55	8.28	35.36	36.50	101	217	Peak	VERTICAL
3	5782.48	109.49			102.35	8.28	35.36	36.50	101	217	Average	VERTICAL
4	6026.92	65.37	68.20	-2.83	56.85	8.79	36.12	36.39	101	217	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5589.70	61.03	68.20	-7.17	54.36	8.58	34.68	36.59	117	210	Peak	VERTICAL
2	5822.80	107.44			100.05	8.34	35.53	36.48	117	210	Average	VERTICAL
3	5822.80	118.10			110.71	8.34	35.53	36.48	117	210	Peak	VERTICAL
4	6068.50	64.76	68.20	-3.44	56.11	8.84	36.19	36.38	117	210	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 25, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5149.60	69.35	74.00	-4.65	64.71	5.84	33.27	34.47	26	291 Peak	VERTICAL
2	5150.00	52.79	54.00	-1.21	48.15	5.84	33.27	34.47	26	291 Average	VERTICAL
3	5203.60	114.59			109.89	5.81	33.36	34.47	26	291 Peak	VERTICAL
4	5204.00	104.32			99.62	5.81	33.36	34.47	26	291 Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5148.00	70.08	74.00	-3.92	65.44	5.84	33.27	34.47	29	261 Peak	VERTICAL
2	5150.00	52.65	54.00	-1.35	48.01	5.84	33.27	34.47	29	261 Average	VERTICAL
3	5213.20	119.42			114.70	5.80	33.39	34.47	29	261 Peak	VERTICAL
4	5213.20	109.35			104.63	5.80	33.39	34.47	29	261 Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 151

	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	5602.30	63.33	68.20	-4.87	56.55	8.62	34.74	36.58	108	210	Peak	VERTICAL
2	5763.58	103.10			95.99	8.31	35.31	36.51	108	210	Average	VERTICAL
3	5764.84	116.81			109.69	8.31	35.31	36.50	108	210	Peak	VERTICAL
4	5986.60	62.93	68.20	-5.27	54.56	8.74	36.04	36.41	108	210	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5640.10	64.96	68.20	-3.24	58.08	8.53	34.91	36.56	100	268	Peak	VERTICAL
2	5787.52	106.47			99.32	8.28	35.36	36.49	100	268	Average	VERTICAL
3	5790.04	117.37			110.19	8.25	35.42	36.49	100	268	Peak	VERTICAL
4	5951.32	65.42	68.20	-2.78	57.27	8.65	35.93	36.43	100	268	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 25, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5150.00	64.68	74.00	-9.32	60.04	5.84	33.27	34.47	32	271 Peak	VERTICAL
2	5150.00	52.90	54.00	-1.10	48.26	5.84	33.27	34.47	32	271 Average	VERTICAL
3	5219.00	101.19			96.47	5.80	33.39	34.47	32	271 Average	VERTICAL
4	5220.00	111.56			106.84	5.80	33.39	34.47	32	271 Peak	VERTICAL
5	5350.00	49.22	54.00	-4.78	44.33	5.73	33.63	34.47	32	271 Average	VERTICAL
6	5446.00	61.87	74.00	-12.13	56.85	5.68	33.81	34.47	32	271 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg		
1	5643.88	62.75	68.20	-5.45	55.87	8.53	34.91	36.56	107	205 Peak	VERTICAL
2	5762.32	97.97			90.86	8.31	35.31	36.51	107	205 Average	VERTICAL
3	5764.84	111.05			103.93	8.31	35.31	36.50	107	205 Peak	VERTICAL
4	5939.98	62.46	68.20	-5.74	54.42	8.60	35.87	36.43	107	205 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5100.80	65.17	74.00	-8.83	60.60	5.86	33.18	34.47	34	279	Peak	VERTICAL
2	5101.20	52.93	54.00	-1.07	48.36	5.86	33.18	34.47	34	279	Average	VERTICAL
3	5182.40	118.15			113.47	5.82	33.33	34.47	34	279	Peak	VERTICAL
4	5182.40	108.96			104.28	5.82	33.33	34.47	34	279	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5126.40	52.92	54.00	-1.08	48.31	5.84	33.24	34.47	32	270	Average	VERTICAL
2	5127.20	64.56	74.00	-9.44	59.95	5.84	33.24	34.47	32	270	Peak	VERTICAL
3	5204.80	120.45			115.75	5.81	33.36	34.47	32	270	Peak	VERTICAL
4	5205.20	110.78			106.08	5.81	33.36	34.47	32	270	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5139.20	62.70	74.00	-11.30	58.09	5.84	33.24	34.47	38	258	Peak	VERTICAL
2	5150.00	52.00	54.00	-2.00	47.36	5.84	33.27	34.47	38	258	Average	VERTICAL
3	5231.60	113.69			108.95	5.79	33.42	34.47	38	258	Average	VERTICAL
4	5232.20	121.91			117.17	5.79	33.42	34.47	38	258	Peak	VERTICAL
5	5350.00	62.02	74.00	-11.98	57.13	5.73	33.63	34.47	38	258	Peak	VERTICAL
6	5352.20	48.21	54.00	-5.79	43.32	5.73	33.63	34.47	38	258	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5514.10	61.68	68.20	-6.52	55.41	8.43	34.46	36.62	100	343	Peak	VERTICAL
2	5737.12	116.09			109.05	8.37	35.19	36.52	100	343	Peak	VERTICAL
3	5747.20	105.66			98.58	8.34	35.25	36.51	100	343	Average	VERTICAL
4	5992.90	62.70	68.20	-5.50	54.33	8.74	36.04	36.41	100	343	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5621.20	60.97	68.20	-7.23	54.15	8.59	34.80	36.57	102	134	Peak	VERTICAL
2	5787.52	106.29			99.14	8.28	35.36	36.49	102	134	Average	VERTICAL
3	5787.52	116.68			109.53	8.28	35.36	36.49	102	134	Peak	VERTICAL
4	6028.18	61.97	68.20	-6.23	53.41	8.81	36.14	36.39	102	134	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5574.58	60.55	68.20	-7.65	53.98	8.54	34.63	36.60	105	344	Peak	VERTICAL
2	5822.80	115.89			108.50	8.34	35.53	36.48	105	344	Peak	VERTICAL
3	5827.84	106.13			98.74	8.34	35.53	36.48	105	344	Average	VERTICAL
4	6073.54	61.74	68.20	-6.46	53.09	8.84	36.19	36.38	105	344	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5148.00	66.53	74.00	-7.47	61.89	5.84	33.27	34.47	31	291 Peak	VERTICAL
2	5149.60	52.87	54.00	-1.13	48.23	5.84	33.27	34.47	31	291 Average	VERTICAL
3	5175.60	114.11			109.43	5.82	33.33	34.47	31	291 Peak	VERTICAL
4	5176.40	104.78			100.10	5.82	33.33	34.47	31	291 Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.80	52.31	54.00	-1.69	47.67	5.84	33.27	34.47	34	305 Average	VERTICAL
2	5150.00	72.65	74.00	-1.35	68.01	5.84	33.27	34.47	34	305 Peak	VERTICAL
3	5214.00	109.23			104.51	5.80	33.39	34.47	34	305 Average	VERTICAL
4	5214.80	118.94			114.22	5.80	33.39	34.47	34	305 Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 151

	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	5587.18	62.87	68.20	-5.33	56.20	8.58	34.68	36.59	107	344 Peak	VERTICAL
2	5747.20	100.66			93.58	8.34	35.25	36.51	107	344 Average	VERTICAL
3	5763.58	111.91			104.80	8.31	35.31	36.51	107	344 Peak	VERTICAL
4	5929.90	62.88	68.20	-5.32	54.84	8.60	35.87	36.43	107	344 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159

	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	5643.88	61.66	68.20	-6.54	54.78	8.53	34.91	36.56	107	125 Peak	VERTICAL
2	5802.64	100.64			93.46	8.25	35.42	36.49	107	125 Average	VERTICAL
3	5802.64	111.33			104.15	8.25	35.42	36.49	107	125 Peak	VERTICAL
4	6059.68	62.79	68.20	-5.41	54.19	8.82	36.16	36.38	107	125 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5795 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5145.00	64.64	74.00	-9.36	60.00	5.84	33.27	34.47	26	291 Peak	VERTICAL
2	5149.00	52.96	54.00	-1.04	48.32	5.84	33.27	34.47	26	291 Average	VERTICAL
3	5206.00	112.62			107.92	5.81	33.36	34.47	26	291 Peak	VERTICAL
4	5212.00	102.19			97.47	5.80	33.39	34.47	26	291 Average	VERTICAL
5	5362.50	48.67	54.00	-5.33	43.75	5.73	33.66	34.47	26	291 Average	VERTICAL
6	5365.50	60.67	74.00	-13.33	55.75	5.73	33.66	34.47	26	291 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg		
1	5570.80	59.93	68.20	-8.27	53.36	8.54	34.63	36.60	112	292 Peak	HORIZONTAL
2	5787.52	81.95			74.80	8.28	35.36	36.49	112	292 Average	HORIZONTAL
3	5791.30	96.46			89.28	8.25	35.42	36.49	112	292 Peak	HORIZONTAL
4	6065.98	62.02	68.20	-6.18	53.37	8.84	36.19	36.38	112	292 Peak	HORIZONTAL

Item 2, 3 are the fundamental frequency at 5775 MHz.

Note:

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

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

4.8. Frequency Stability Measurement

4.8.1. Limit

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

4.8.2. Measuring Instruments and Setting

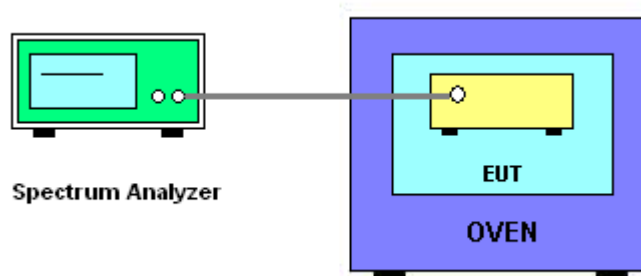
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

4.8.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6$ ppm and the limit is less than ± 20 ppm (IEEE 802.11n specification).
6. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
7. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
8. Extreme temperature is $0^\circ\text{C} \sim 50^\circ\text{C}$.

4.8.4. Test Setup Layout



4.8.5. Test Deviation

There is no deviation with the original standard.

4.8.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.8.7. Test Result of Frequency Stability

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Oct. 14, 2015 ~ Oct. 21, 2015

Mode: 20 MHz / Chain 1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9832	5199.9831	5199.9829	5199.9828
110.00	5199.9753	5199.9731	5199.9722	5199.9719
93.50	5199.9677	5199.9676	5199.9675	5199.9674
Max. Deviation (MHz)	0.0323	0.0324	0.0325	0.0326
Max. Deviation (ppm)	6.21	6.23	6.25	6.27
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5200.0117	5200.0119	5200.0122	5200.0132
10	5200.0109	5200.0115	5200.0118	5200.0125
20	5199.9753	5199.9731	5199.9722	5199.9719
30	5199.9622	5199.9605	5199.9596	5199.9589
40	5199.9588	5199.9531	5199.9501	5199.9488
50	5199.9540	5199.9536	5199.9521	5199.9508
Max. Deviation (MHz)	0.0460	0.0469	0.0499	0.0512
Max. Deviation (ppm)	8.85	9.02	9.60	9.85
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9772	5784.9770	5784.9769	5784.9768
110.00	5784.9692	5784.9691	5784.9690	5784.9690
93.50	5784.9641	5784.9639	5784.9638	5784.9637
Max. Deviation (MHz)	0.0359	0.0361	0.0362	0.0363
Max. Deviation (ppm)	6.21	6.24	6.26	6.27
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5785.0135	5785.0135	5785.0117	5785.0109
10	5785.0065	5785.0062	5785.0048	5785.0041
20	5784.9692	5784.9691	5784.9690	5784.9690
30	5784.9592	5784.9589	5784.9587	5784.9585
40	5784.9418	5784.9405	5784.9401	5784.9397
50	5784.9405	5784.9396	5784.9392	5784.9389
Max. Deviation (MHz)	0.0595	0.0604	0.0608	0.0611
Max. Deviation (ppm)	10.28	10.44	10.51	10.56
Result	Complies			

Mode: 40 MHz / Chain 1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9822	5189.9821	5189.9819	5189.9817
110.00	5189.9755	5189.9742	5189.9728	5189.9726
93.50	5189.9665	5189.9662	5189.9660	5189.9659
Max. Deviation (MHz)	0.0335	0.0338	0.0340	0.0341
Max. Deviation (ppm)	6.45	6.51	6.55	6.57
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5190.0115	5190.0118	5190.0124	5190.0131
10	5190.0106	5190.0114	5190.0120	5190.0124
20	5189.9755	5189.9742	5189.9728	5189.9726
30	5189.9625	5189.9616	5189.9602	5189.9596
40	5189.9590	5189.9542	5189.9507	5189.9495
50	5189.9542	5189.9547	5189.9527	5189.9515
Max. Deviation (MHz)	0.0458	0.0458	0.0493	0.0505
Max. Deviation (ppm)	8.82	8.82	9.51	9.74
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9765	5754.9763	5754.9761	5754.9759
110.00	5754.9691	5754.9691	5754.9690	5754.9690
93.50	5754.9633	5754.9631	5754.9629	5754.9627
Max. Deviation (MHz)	0.0367	0.0369	0.0371	0.0373
Max. Deviation (ppm)	6.38	6.41	6.45	6.48
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5755.0132	5755.0131	5755.0128	5755.0126
10	5755.0063	5755.0058	5755.0059	5755.0059
20	5754.9691	5754.9691	5754.9690	5754.9690
30	5754.9518	5754.9507	5754.9504	5754.9502
40	5754.9344	5754.9323	5754.9318	5754.9313
50	5754.9331	5754.9314	5754.9309	5754.9306
Max. Deviation (MHz)	0.0669	0.0686	0.0691	0.0694
Max. Deviation (ppm)	11.62	11.92	12.01	12.07
Result	Complies			

Mode: 80 MHz / Chain 1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9831	5209.9829	5209.9827	5209.9826
110.00	5209.9762	5209.9758	5209.9736	5209.9731
93.50	5209.9661	5209.9659	5209.9657	5209.9656
Max. Deviation (MHz)	0.0339	0.0341	0.0343	0.0344
Max. Deviation (ppm)	6.51	6.55	6.58	6.60
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5210.0112	5210.0114	5210.0118	5210.0121
10	5210.0103	5210.0110	5210.0114	5210.0114
20	5209.9762	5209.9758	5209.9736	5209.9731
30	5209.9632	5209.9632	5209.9610	5209.9601
40	5209.9597	5209.9558	5209.9515	5209.9500
50	5209.9549	5209.9563	5209.9535	5209.9520
Max. Deviation (MHz)	0.0451	0.0442	0.0485	0.0500
Max. Deviation (ppm)	8.65	8.48	9.32	9.60
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9758	5774.9756	5774.9754	5774.9752
110.00	5774.9688	5774.9688	5774.9688	5774.9687
93.50	5774.9628	5774.9626	5774.9625	5774.9624
Max. Deviation (MHz)	0.0372	0.0374	0.0375	0.0376
Max. Deviation (ppm)	6.44	6.48	6.49	6.51
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5775.0128	5775.0127	5775.0116	5775.0115
10	5775.0059	5775.0054	5775.0047	5775.0048
20	5774.9688	5774.9688	5774.9688	5774.9687
30	5774.9515	5774.9504	5774.9502	5774.9499
40	5774.9341	5774.9320	5774.9316	5774.9310
50	5774.9328	5774.9311	5774.9307	5774.9303
Max. Deviation (MHz)	0.0672	0.0689	0.0693	0.0697
Max. Deviation (ppm)	11.63	11.93	12.00	12.08
Result	Complies			

Mode: 20 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9833	5199.9831	5199.9829	5199.9828
110.00	5199.9744	5199.9731	5199.9729	5199.9727
93.50	5199.9689	5199.9688	5199.9686	5199.9684
Max. Deviation (MHz)	0.0311	0.0312	0.0314	0.0316
Max. Deviation (ppm)	5.98	6.00	6.04	6.08
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5200.0113	5200.0122	5200.0133	5200.0143
10	5200.0023	5200.0033	5200.0045	5200.0065
20	5199.9744	5199.9731	5199.9729	5199.9727
30	5199.9654	5199.9645	5199.9642	5199.9641
40	5199.9566	5199.9518	5199.9501	5199.9479
50	5199.9523	5199.9505	5199.9489	5199.9476
Max. Deviation (MHz)	0.0477	0.0495	0.0511	0.0524
Max. Deviation (ppm)	9.17	9.52	9.83	10.08
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9762	5784.9761	5784.9759	5784.9758
110.00	5784.9696	5784.9693	5784.9692	5784.9691
93.50	5784.9623	5784.9622	5784.9619	5784.9618
Max. Deviation (MHz)	0.0377	0.0378	0.0381	0.0382
Max. Deviation (ppm)	6.52	6.53	6.59	6.60
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5785.0139	5785.0130	5785.0117	5785.0104
10	5785.0066	5785.0060	5785.0042	5785.0041
20	5784.9696	5784.9693	5784.9692	5784.9691
30	5784.9578	5784.9575	5784.9572	5784.9570
40	5784.9418	5784.9410	5784.9397	5784.9401
50	5784.9402	5784.9401	5784.9396	5784.9395
Max. Deviation (MHz)	0.0598	0.0599	0.0604	0.0605
Max. Deviation (ppm)	10.34	10.35	10.44	10.46
Result	Complies			

Mode: 40 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9832	5189.9831	5189.9828	5189.9826
110.00	5189.9748	5189.9732	5189.9722	5189.9718
93.50	5189.9691	5189.9690	5189.9689	5189.9688
Max. Deviation (MHz)	0.0309	0.0310	0.0311	0.0312
Max. Deviation (ppm)	5.95	5.97	5.99	6.01
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5190.0116	5190.0125	5190.0132	5190.0138
10	5190.0026	5190.0036	5190.0044	5190.0060
20	5189.9748	5189.9732	5189.9722	5189.9718
30	5189.9658	5189.9646	5189.9635	5189.9633
40	5189.9570	5189.9519	5189.9494	5189.9471
50	5189.9527	5189.9506	5189.9482	5189.9468
Max. Deviation (MHz)	0.0473	0.0494	0.0518	0.0532
Max. Deviation (ppm)	9.11	9.51	9.98	10.26
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9758	5754.9757	5754.9756	5754.9655
110.00	5754.9695	5754.9695	5754.9695	5754.9694
93.50	5754.9633	5754.9631	5754.9628	5754.9626
Max. Deviation (MHz)	0.0367	0.0369	0.0372	0.0374
Max. Deviation (ppm)	6.38	6.41	6.46	6.50
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5755.0135	5755.0131	5755.0123	5755.0098
10	5755.0062	5755.0061	5755.0048	5755.0035
20	5754.9695	5754.9695	5754.9695	5754.9694
30	5754.9535	5754.9530	5754.9520	5754.9525
40	5754.9375	5754.9364	5754.9344	5754.9356
50	5754.9359	5754.9356	5754.9344	5754.9350
Max. Deviation (MHz)	0.0641	0.0644	0.0656	0.0650
Max. Deviation (ppm)	11.13	11.20	11.41	11.30
Result	Complies			

Mode: 80 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9821	5209.9819	5209.9817	5209.9816
110.00	5209.9755	5209.9745	5209.9733	5209.9731
93.50	5209.9688	5209.9687	5209.9686	5209.9685
Max. Deviation (MHz)	0.0312	0.0313	0.0314	0.0315
Max. Deviation (ppm)	5.99	6.01	6.03	6.05
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5210.0114	5210.0125	5210.0131	5210.0136
10	5210.0024	5210.0036	5210.0043	5210.0058
20	5209.9755	5209.9745	5209.9733	5209.9731
30	5209.9665	5209.9659	5209.9646	5209.9646
40	5209.9577	5209.9532	5209.9505	5209.9484
50	5209.9534	5209.9519	5209.9493	5209.9481
Max. Deviation (MHz)	0.0466	0.0481	0.0507	0.0519
Max. Deviation (ppm)	8.94	9.23	9.73	9.97
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9756	5774.9754	5774.9752	5774.9750
110.00	5774.9692	5774.9691	5774.9690	5774.9690
93.50	5774.9628	5774.9626	5774.9625	5774.9624
Max. Deviation (MHz)	0.0372	0.0374	0.0375	0.0376
Max. Deviation (ppm)	6.44	6.48	6.49	6.51
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5775.0132	5775.0130	5775.0125	5775.0099
10	5775.0059	5775.0060	5775.0050	5775.0036
20	5774.9692	5774.9691	5774.9690	5774.9690
30	5774.9532	5774.9526	5774.9515	5774.9521
40	5774.9372	5774.9360	5774.9339	5774.9352
50	5774.9356	5774.9352	5774.9339	5774.9346
Max. Deviation (MHz)	0.0644	0.0648	0.0661	0.0654
Max. Deviation (ppm)	11.15	11.23	11.45	11.33
Result	Complies			

Mode: 20 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9816	5199.9815	5199.9814	5199.9812
110.00	5199.9753	5199.9740	5199.9727	5199.9714
93.50	5199.9698	5199.9696	5199.9695	5199.9694
Max. Deviation (MHz)	0.0302	0.0304	0.0305	0.0306
Max. Deviation (ppm)	5.81	5.85	5.87	5.88
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5200.0117	5200.0122	5200.0135	5200.0148
10	5200.0045	5200.0051	5200.0062	5200.0078
20	5199.9753	5199.9740	5199.9727	5199.9714
30	5199.9678	5199.9665	5199.9652	5199.9642
40	5199.9557	5199.9522	5199.9496	5199.9483
50	5199.9503	5199.9498	5199.9462	5199.9453
Max. Deviation (MHz)	0.0497	0.0502	0.0538	0.0547
Max. Deviation (ppm)	9.56	9.65	10.35	10.52
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9765	5784.9762	5784.9761	5784.9759
110.00	5784.9696	5784.9696	5784.9695	5784.9695
93.50	5784.9638	5784.9636	5784.9634	5784.9632
Max. Deviation (MHz)	0.0362	0.0364	0.0366	0.0368
Max. Deviation (ppm)	6.26	6.29	6.33	6.36
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5785.0135	5785.0130	5785.0117	5785.0109
10	5785.0065	5785.0062	5785.0046	5785.0041
20	5784.9696	5784.9696	5784.9695	5784.9695
30	5784.9565	5784.9564	5784.9562	5784.9560
40	5784.9414	5784.9397	5784.9392	5784.9392
50	5784.9398	5784.9378	5784.9362	5784.9355
Max. Deviation (MHz)	0.0602	0.0622	0.0638	0.0645
Max. Deviation (ppm)	10.41	10.75	11.03	11.15
Result	Complies			

Mode: 40 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9808	5189.9806	5189.9802	5189.9800
110.00	5189.9756	5189.9751	5189.9743	5189.9738
93.50	5189.9688	5189.9686	5189.9684	5189.9682
Max. Deviation (MHz)	0.0312	0.0314	0.0316	0.0318
Max. Deviation (ppm)	6.01	6.05	6.09	6.13
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5190.0113	5190.0126	5190.0131	5190.0145
10	5190.0041	5190.0055	5190.0058	5190.0075
20	5189.9756	5189.9751	5189.9743	5189.9738
30	5189.9682	5189.9677	5189.9669	5189.9667
40	5189.9561	5189.9534	5189.9513	5189.9508
50	5189.9507	5189.9510	5189.9479	5189.9478
Max. Deviation (MHz)	0.0494	0.0490	0.0521	0.0522
Max. Deviation (ppm)	9.51	9.45	10.05	10.07
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9762	5754.9761	5754.9759	5754.9758
110.00	5754.9695	5754.9694	5754.9693	5754.9692
93.50	5754.9642	5754.9640	5754.9638	5754.9635
Max. Deviation (MHz)	0.0358	0.0360	0.0362	0.0365
Max. Deviation (ppm)	6.22	6.26	6.29	6.34
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5755.0131	5755.0129	5755.0111	5755.0103
10	5755.0061	5755.0061	5755.0040	5755.0036
20	5754.9695	5754.9694	5754.9693	5754.9692
30	5754.9544	5754.9527	5754.9523	5754.9524
40	5754.9393	5754.9359	5754.9353	5754.9356
50	5754.9377	5754.9341	5754.9323	5754.9319
Max. Deviation (MHz)	0.0623	0.0660	0.0677	0.0681
Max. Deviation (ppm)	10.83	11.46	11.76	11.83
Result	Complies			

Mode: 80 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9811	5209.9809	5209.9807	5209.9806
110.00	5209.9758	5209.9751	5209.9742	5209.9738
93.50	5209.9691	5209.9688	5209.9687	5209.9686
Max. Deviation (MHz)	0.0309	0.0312	0.0313	0.0314
Max. Deviation (ppm)	5.93	5.99	6.01	6.03
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5210.0111	5210.0125	5210.0129	5210.0141
10	5210.0039	5210.0054	5210.0056	5210.0071
20	5209.9758	5209.9751	5209.9742	5209.9738
30	5209.9684	5209.9677	5209.9668	5209.9667
40	5209.9563	5209.9534	5209.9512	5209.9508
50	5209.9509	5209.9510	5209.9478	5209.9478
Max. Deviation (MHz)	0.0491	0.0490	0.0522	0.0522
Max. Deviation (ppm)	9.43	9.41	10.03	10.03
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9755	5774.9752	5774.9751	5774.9749
110.00	5774.9694	5774.9694	5774.9692	5774.9692
93.50	5774.9664	5774.9662	5774.9660	5774.9658
Max. Deviation (MHz)	0.0336	0.0338	0.0340	0.0342
Max. Deviation (ppm)	5.82	5.85	5.89	5.92
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5775.0125	5775.0121	5775.0109	5775.0102
10	5775.0055	5775.0053	5775.0038	5775.0035
20	5774.9694	5774.9694	5774.9692	5774.9692
30	5774.9543	5774.9527	5774.9522	5774.9524
40	5774.9392	5774.9359	5774.9352	5774.9356
50	5774.9376	5774.9341	5774.9322	5774.9319
Max. Deviation (MHz)	0.0624	0.0660	0.0678	0.0681
Max. Deviation (ppm)	10.81	11.42	11.74	11.79
Result	Complies			

Mode: 20 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9865	5199.9862	5199.9859	5199.9855
110.00	5199.9748	5199.9731	5199.9728	5199.9722
93.50	5199.9698	5199.9696	5199.9692	5199.9689
Max. Deviation (MHz)	0.0302	0.0304	0.0308	0.0311
Max. Deviation (ppm)	5.81	5.85	5.92	5.98
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5200.0109	5200.0126	5200.0139	5200.0143
10	5200.0003	5200.0023	5200.0033	5200.0038
20	5199.9748	5199.9731	5199.9728	5199.9722
30	5199.9666	5199.9636	5199.9624	5199.9621
40	5199.9544	5199.9522	5199.9496	5199.9483
50	5199.9503	5199.9487	5199.9456	5199.9451
Max. Deviation (MHz)	0.0497	0.0513	0.0544	0.0549
Max. Deviation (ppm)	9.56	9.87	10.46	10.56
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9755	5784.9754	5784.9752	5784.9749
110.00	5784.9696	5784.9695	5784.9694	5784.9693
93.50	5784.9623	5784.9622	5784.9619	5784.9617
Max. Deviation (MHz)	0.0377	0.0378	0.0381	0.0383
Max. Deviation (ppm)	6.52	6.53	6.59	6.62
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5785.0135	5785.0135	5785.0126	5785.0104
10	5785.0006	5785.0004	5784.9996	5784.9985
20	5784.9696	5784.9695	5784.9694	5784.9693
30	5784.9588	5784.9587	5784.9586	5784.9582
40	5784.9414	5784.9405	5784.9401	5784.9392
50	5784.9399	5784.9385	5784.9382	5784.9375
Max. Deviation (MHz)	0.0601	0.0615	0.0618	0.0625
Max. Deviation (ppm)	10.39	10.63	10.68	10.80
Result	Complies			

Mode: 40 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9855	5189.9852	5189.9849	5189.9847
110.00	5189.9744	5189.9738	5189.9731	5189.9729
93.50	5189.9689	5189.9688	5189.9687	5189.9686
Max. Deviation (MHz)	0.0311	0.0312	0.0313	0.0314
Max. Deviation (ppm)	5.99	6.01	6.03	6.05
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5190.0108	5190.0124	5190.0138	5190.0143
10	5190.0003	5190.0021	5190.0032	5190.0038
20	5189.9744	5189.9738	5189.9731	5189.9729
30	5189.9662	5189.9643	5189.9627	5189.9628
40	5189.9540	5189.9530	5189.9499	5189.9490
50	5189.9499	5189.9494	5189.9459	5189.9458
Max. Deviation (MHz)	0.0501	0.0506	0.0541	0.0542
Max. Deviation (ppm)	9.66	9.75	10.42	10.45
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9742	5754.9741	5754.9739	5754.9736
110.00	5754.9696	5754.9695	5754.9694	5754.9694
93.50	5754.9633	5754.9631	5754.9628	5754.9625
Max. Deviation (MHz)	0.0367	0.0369	0.0372	0.0375
Max. Deviation (ppm)	6.38	6.41	6.46	6.52
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5755.0135	5755.0134	5755.0125	5755.0116
10	5755.0006	5755.0003	5754.9995	5754.9997
20	5754.9696	5754.9695	5754.9694	5754.9694
30	5754.9522	5754.9513	5754.9509	5754.9504
40	5754.9348	5754.9331	5754.9324	5754.9314
50	5754.9333	5754.9311	5754.9305	5754.9297
Max. Deviation (MHz)	0.0667	0.0689	0.0695	0.0703
Max. Deviation (ppm)	11.59	11.97	12.08	12.21
Result	Complies			

Mode: 80 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9848	5209.9846	5209.9844	5209.9841
110.00	5209.9747	5209.9742	5209.9737	5209.9733
93.50	5209.9655	5209.9654	5209.9653	5209.9651
Max. Deviation (MHz)	0.0345	0.0346	0.0347	0.0349
Max. Deviation (ppm)	6.62	6.64	6.66	6.70
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5210.0108	5210.0124	5210.0136	5210.0142
10	5210.0003	5210.0021	5210.0030	5210.0037
20	5209.9747	5209.9742	5209.9737	5209.9733
30	5209.9665	5209.9647	5209.9633	5209.9632
40	5209.9543	5209.9534	5209.9505	5209.9494
50	5209.9502	5209.9498	5209.9465	5209.9462
Max. Deviation (MHz)	0.0498	0.0502	0.0535	0.0538
Max. Deviation (ppm)	9.56	9.63	10.27	10.33
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9752	5774.9749	5774.9748	5774.9746
110.00	5774.9691	5774.9690	5774.9689	5774.9688
93.50	5774.9642	5774.9641	5774.9639	5774.9637
Max. Deviation (MHz)	0.0358	0.0359	0.0361	0.0363
Max. Deviation (ppm)	6.20	6.22	6.25	6.29
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5775.0134	5775.0132	5775.0128	5775.0113
10	5775.0005	5775.0001	5774.9998	5774.9994
20	5774.9691	5774.9690	5774.9689	5774.9688
30	5774.9517	5774.9508	5774.9504	5774.9498
40	5774.9343	5774.9326	5774.9319	5774.9308
50	5774.9328	5774.9306	5774.9300	5774.9291
Max. Deviation (MHz)	0.0672	0.0694	0.0700	0.0709
Max. Deviation (ppm)	11.64	12.01	12.12	12.27
Result	Complies			

4.9. Antenna Requirements

4.9.1. Limit

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

4.9.2. Antenna Connector Construction

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

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100355	9kHz ~ 2.75GHz	Apr. 22, 2015	Conduction (CO01-CB)
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 16, 2015	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 13, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 25, 2015	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 12, 2015*	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (10CH01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	22021	20MHz ~ 2GHz	May 06, 2015	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMC1	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Feb. 24, 2015	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 12, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Feb. 10, 2015	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Radiation (03CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8.4GHz	Jan. 21, 2015	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-10-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Conducted (TH01-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Oct. 13, 2015	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

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

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

N.C.R means Non-Calibration required.

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%

Appendix B. Maximum e.i.r.p. at any elevation angle above 30 degrees

1. Maximum e.i.r.p. at any elevation angle above 30 degrees

Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)	Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	79	18.55	2.337	20.89	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	79	18.52	2.337	20.86	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	81	18.48	2.337	20.82	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	77	18.62	2.337	20.96	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	78	18.58	2.337	20.92	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	79	18.47	2.337	20.81	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	75	18.46	2.337	20.80	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	77	18.56	2.337	20.90	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	76	18.39	2.337	20.73	21	Complies

Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)			Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	2	Total	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	58	14.82	16.23	18.59	2.337	20.93	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	57	14.76	16.2	18.55	2.337	20.89	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	59	14.38	16.23	18.41	2.337	20.75	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	62	14.79	16.11	18.51	2.337	20.85	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	62	14.69	16.31	18.59	2.337	20.92	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	64	14.62	16.27	18.53	2.337	20.87	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	64	15.53	15.51	18.53	2.337	20.87	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	65	15.33	15.64	18.50	2.337	20.84	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	60	14.61	16.3	18.55	2.337	20.88	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	49	11.75	13.05	15.46	5.347	20.81	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	49	11.72	13.03	15.43	5.347	20.78	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	51	11.74	13.21	15.55	5.347	20.89	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	51	12.24	12.76	15.52	5.347	20.87	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	53	12.19	13.03	15.64	5.347	20.99	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	48	11.84	13.14	15.55	5.347	20.90	21	Complies

Note: BF: Beamforming

Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)				Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	2	3	Total	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	56	12.97	14.49	13.9	18.60	2.337	20.94	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	56	12.91	14.43	14.16	18.65	2.337	20.99	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	58	12.88	14.42	14.18	18.65	2.337	20.99	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	56	12.98	14.35	13.76	18.50	2.337	20.84	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	56	12.9	14.42	14.06	18.61	2.337	20.95	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	58	12.83	14.45	14.04	18.60	2.337	20.93	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	56	13.29	13.79	14.48	18.65	2.337	20.99	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	57	13.33	13.46	14.41	18.53	2.337	20.87	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	56	13.36	14.74	13.36	18.64	2.337	20.98	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	34	8.41	9.15	8.98	13.63	7.108	20.74	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	34	8.55	9.56	8.77	13.75	7.108	20.86	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	36	8.35	9.9	8.91	13.87	7.108	20.98	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	32	8.32	8.95	9.8	13.84	7.108	20.95	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	33	8.63	8.86	9.29	13.71	7.108	20.81	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	32	8.86	9.78	8.33	13.80	7.108	20.91	21	Complies

Note: BF: Beamforming

Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)					Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit	Test Result
						1	2	3	4	Total	Max gain (dBi)	Max EIRP (dBm)	(dBm)	
Non BF	5180MHz	OFDM	Ch36	6Mbps	45	11.98	13.12	12.39	12.9	18.64	2.337	20.98	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	44	11.91	13.33	12.53	12.56	18.63	2.337	20.97	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	46	11.53	13.24	12.64	12.86	18.63	2.337	20.97	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	45	12.09	13.14	12.4	12.82	18.65	2.337	20.99	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	44	11.95	13.34	12.51	12.46	18.61	2.337	20.95	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	46	11.82	13.36	12.56	12.48	18.61	2.337	20.95	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	44	12.07	12.18	12.74	12.94	18.52	2.337	20.86	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	45	11.77	12.1	12.86	12.99	18.48	2.337	20.82	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	43	11.94	13.44	11.01	13.55	18.63	2.337	20.97	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	16	5.94	6.94	6.01	6.35	12.35	8.358	20.71	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	17	6.14	7.28	6.37	6.58	12.63	8.358	20.99	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	16	5.71	7.1	6.11	6.24	12.34	8.358	20.70	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	14	5.86	6.34	6.62	6.98	12.49	8.358	20.85	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	16	6.03	6.27	6.92	6.9	12.57	8.358	20.93	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	13	6.29	7.29	5.46	7.15	12.63	8.358	20.99	21	Complies

Note: BF: Beamforming

Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)	Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	79	18.55	2.337	20.89	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	79	18.52	2.337	20.86	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	81	18.48	2.337	20.82	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	77	18.62	2.337	20.96	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	78	18.58	2.337	20.92	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	79	18.47	2.337	20.81	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	75	18.46	2.337	20.80	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	77	18.56	2.337	20.90	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	76	18.39	2.337	20.73	21	Complies

Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)			Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	2	Total	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	58	14.82	16.23	18.59	2.337	20.93	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	57	14.76	16.2	18.55	2.337	20.89	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	59	14.38	16.23	18.41	2.337	20.75	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	62	14.79	16.11	18.51	2.337	20.85	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	62	14.69	16.31	18.59	2.337	20.92	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	64	14.62	16.27	18.53	2.337	20.87	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	64	15.53	15.51	18.53	2.337	20.87	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	65	15.33	15.64	18.50	2.337	20.84	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	60	14.61	16.3	18.55	2.337	20.88	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	62	14.79	16.11	18.51	2.337	20.85	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	62	14.69	16.31	18.59	2.337	20.92	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	64	14.62	16.27	18.53	2.337	20.87	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	64	15.53	15.51	18.53	2.337	20.87	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	65	15.33	15.64	18.50	2.337	20.84	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	60	14.61	16.3	18.55	2.337	20.88	21	Complies

Note: BF: Beamforming

Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)				Elevation angle above 30° Max gain (dBi)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
						1	2	3	Total				
Non BF	5180MHz	OFDM	Ch36	6Mbps	56	12.97	14.49	13.9	18.60	2.337	20.94	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	56	12.91	14.43	14.16	18.65	2.337	20.99	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	58	12.88	14.42	14.18	18.65	2.337	20.99	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	56	12.98	14.35	13.76	18.50	2.337	20.84	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	56	12.9	14.42	14.06	18.61	2.337	20.95	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	58	12.83	14.45	14.04	18.60	2.337	20.93	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	56	13.29	13.79	14.48	18.65	2.337	20.99	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	57	13.33	13.46	14.41	18.53	2.337	20.87	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	56	13.36	14.74	13.36	18.64	2.337	20.98	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	49	11.41	12.78	12.2	16.94	3.803	20.74	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	49	11.24	12.83	12.56	17.03	3.803	20.84	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	41	11.44	12.83	12.57	17.09	3.803	20.89	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	50	11.72	12.23	12.92	17.09	3.803	20.89	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	51	11.58	12.02	12.83	16.95	3.803	20.75	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	50	11.75	13.37	11.86	17.16	3.803	20.97	21	Complies

Note: BF: Beamforming

Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)					Elevation angle above 30° Max gain (dBi)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
						1	2	3	4	Total				
Non BF	5180MHz	OFDM	Ch36	6Mbps	45	11.98	13.12	12.39	12.9	18.64	2.337	20.98	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	44	11.91	13.33	12.53	12.56	18.63	2.337	20.97	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	46	11.53	13.24	12.64	12.86	18.63	2.337	20.97	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	45	12.09	13.14	12.4	12.82	18.65	2.337	20.99	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	44	11.95	13.34	12.51	12.46	18.61	2.337	20.95	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	46	11.82	13.36	12.56	12.48	18.61	2.337	20.95	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	44	12.07	12.18	12.74	12.94	18.52	2.337	20.86	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	45	11.77	12.1	12.86	12.99	18.48	2.337	20.82	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	43	11.94	13.44	11.01	13.55	18.63	2.337	20.97	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	37	10.35	11.16	10.23	10.98	16.72	4.253	20.97	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	37	10.32	11.21	10.54	10.47	16.67	4.253	20.92	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	38	10.33	11.21	10.45	10.76	16.72	4.253	20.97	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	37	10.12	10.32	11.06	11.21	16.72	4.253	20.98	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	37	10.11	10.13	11.09	11.31	16.71	4.253	20.97	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	35	10.06	11.03	10.12	11.33	16.69	4.253	20.94	21	Complies

Note: BF: Beamforming

Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)	Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	81	19.13	1.863	20.99	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	81	19.02	1.863	20.88	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	83	19.09	1.863	20.95	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	79	19.12	1.860	20.98	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	80	18.81	1.860	20.67	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	80	19.02	1.860	20.88	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	77	19.04	1.860	20.90	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	79	19.09	1.860	20.95	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	77	19.02	1.860	20.88	21	Complies

Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)			Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	2	Total	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	60	15.33	16.72	19.09	1.863	20.95	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	60	15.24	16.85	19.13	1.863	20.99	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	62	15.14	16.91	19.12	1.863	20.99	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	64	15.32	16.65	19.05	1.863	20.91	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	63	14.91	16.58	18.84	1.863	20.70	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	65	14.87	16.77	18.93	1.863	20.80	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	66	15.81	16.05	18.94	1.863	20.80	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	67	15.81	16.28	19.06	1.863	20.92	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	62	15.02	16.69	18.95	1.863	20.81	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	51	12.53	13.37	15.98	4.873	20.85	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	51	12.46	13.65	16.11	4.873	20.98	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	53	12.31	13.71	16.08	4.873	20.95	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	53	12.84	13.32	16.10	4.873	20.97	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	54	12.63	13.14	15.90	4.873	20.78	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	50	12.36	13.7	16.09	4.873	20.97	21	Complies

Note: BF: Beamforming

Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)				Elevation angle above 30° Max gain (dBi)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
						1	2	3	Total				
Non BF	5180MHz	OFDM	Ch36	6Mbps	57	13.33	14.61	14.19	18.85	1.863	20.71	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	57	13.32	14.83	14.4	19.00	1.863	20.86	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	60	13.37	14.89	14.53	19.08	1.863	20.94	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	58	13.57	14.81	14.33	19.04	1.863	20.90	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	58	13.35	14.74	14.31	18.94	1.863	20.81	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	60	13.42	14.08	14.5	18.79	1.863	20.66	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	58	13.83	14.2	14.81	19.07	1.863	20.93	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	59	13.73	14.18	14.78	19.02	1.863	20.89	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	57	13.59	15.16	13.49	18.92	1.863	20.78	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	36	9.32	9.75	9.51	14.30	6.634	20.94	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	36	8.91	10.38	9.25	14.33	6.634	20.97	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	38	8.96	10.2	9.41	14.33	6.634	20.96	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	34	8.85	8.91	10.23	14.15	6.634	20.78	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	35	9.14	9.28	9.72	14.16	6.634	20.79	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	34	9.37	10.35	8.72	14.30	6.634	20.94	21	Complies

Note: BF: Beamforming

Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)					Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit	Test Result
						1	2	3	4	Total	Max gain (dBi)	Max EIRP (dBm)	(dBm)	
Non BF	5180MHz	OFDM	Ch36	6Mbps	46	12.36	13.41	13.02	13.13	19.02	1.863	20.88	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	46	12.32	13.51	13.28	13.18	19.12	1.863	20.98	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	48	11.98	13.59	13.04	13.17	19.00	1.863	20.87	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	46	12.25	13.57	13.08	13.11	19.05	1.863	20.91	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	46	12.24	13.87	13.14	12.66	19.04	1.863	20.90	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	49	12.21	13.56	13.15	13.39	19.13	1.863	20.99	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	47	12.52	12.87	13.42	13.54	19.13	1.863	20.99	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	48	12.48	12.94	13.32	13.62	19.13	1.863	20.99	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	45	12.48	13.71	11.61	13.81	19.02	1.863	20.88	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	18	6.52	7.31	6.58	6.83	12.84	7.884	20.73	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	18	6.3	7.51	6.98	6.81	12.94	7.884	20.83	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	20	6.47	7.74	6.8	7.04	13.06	7.884	20.94	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	16	6.28	6.81	7.52	7.32	13.03	7.884	20.91	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	18	6.52	6.83	7.36	7.56	13.11	7.884	20.99	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	14	6.44	7.43	5.65	7.61	12.87	7.884	20.76	21	Complies

Note: BF: Beamforming

Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)	Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	86	20.36	0.608	20.97	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	86	20.37	0.608	20.98	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	87	20.26	0.608	20.87	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	83	20.21	0.608	20.82	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	83	20.10	0.608	20.71	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	85	20.15	0.608	20.76	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	82	20.23	0.608	20.84	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	83	20.33	0.608	20.94	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	81	20.14	0.608	20.75	21	Complies

Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)			Elevation angle above 30° Max gain (dBi)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
						1	2	Total				
Non BF	5180MHz	OFDM	Ch36	6Mbps	65	16.44	17.93	20.26	0.608	20.87	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	65	16.53	18.06	20.37	0.608	20.98	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	66	16.12	17.97	20.15	0.608	20.76	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	69	16.53	17.94	20.30	0.608	20.91	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	69	16.49	18.11	20.39	0.608	20.99	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	70	16.14	17.89	20.11	0.608	20.72	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	71	17.23	17.49	20.37	0.608	20.98	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	72	17.17	17.57	20.38	0.608	20.99	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	67	16.31	17.92	20.20	0.608	20.81	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	69	16.53	17.94	20.30	0.608	20.91	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	69	16.49	18.11	20.39	0.608	20.99	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	70	16.14	17.89	20.11	0.608	20.72	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	71	17.23	17.49	20.37	0.608	20.98	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	72	17.17	17.57	20.38	0.608	20.99	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	67	16.31	17.92	20.20	0.608	20.81	21	Complies

Note: BF: Beamforming

Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)				Elevation angle above 30° Max gain (dBi)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
						1	2	3	Total				
Non BF	5180MHz	OFDM	Ch36	6Mbps	63	14.88	15.94	15.56	20.25	0.608	20.86	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	64	14.94	15.23	16.06	20.21	0.608	20.82	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	66	14.85	15.68	16.01	20.31	0.608	20.92	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	63	14.77	16.22	15.41	20.28	0.608	20.89	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	63	14.72	16.16	15.68	20.33	0.608	20.94	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	65	14.42	16.21	15.57	20.23	0.608	20.84	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	63	15.07	15.05	16.12	20.21	0.608	20.82	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	64	14.86	15.16	16.16	20.20	0.608	20.81	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	62	14.81	16.25	14.86	20.13	0.608	20.74	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	56	12.98	14.37	13.54	18.44	2.369	20.81	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	56	12.79	14.43	13.76	18.48	2.369	20.85	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	58	12.49	14.32	13.67	18.33	2.369	20.70	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	56	12.48	13.26	14.88	18.43	2.369	20.80	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	56	12.98	13.45	14.56	18.49	2.369	20.85	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	56	12.98	13.89	13.86	18.37	2.369	20.74	21	Complies

Note: BF: Beamforming

Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)					Elevation angle above 30° Max gain (dBi)	Elevation angle above 30° Max EIRP (dBm)	EIRP Power Limit (dBm)	Test Result
						1	2	3	4	Total				
Non BF	5180MHz	OFDM	Ch36	6Mbps	51	13.55	14.72	14.12	14.24	20.20	0.608	20.81	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	51	13.46	14.92	14.36	14.08	20.26	0.608	20.87	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	53	13.17	14.68	14.42	14.51	20.25	0.608	20.86	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	52	13.77	14.71	14.31	14.42	20.34	0.608	20.94	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	52	13.59	15.04	14.46	14.22	20.38	0.608	20.99	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	54	13.43	14.9	14.62	14.37	20.38	0.608	20.99	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	52	13.89	14.01	14.56	14.88	20.37	0.608	20.98	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	53	13.41	14.06	14.43	15.13	20.32	0.608	20.93	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	50	13.72	14.84	13.1	14.84	20.21	0.608	20.82	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	41	10.78	11.32	11.31	11.21	17.18	3.618	20.80	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	41	10.77	11.45	11.46	11.25	17.26	3.618	20.88	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	43	10.87	11.12	11.44	11.78	17.34	3.618	20.95	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	41	10.89	11.01	11.56	11.78	17.35	3.618	20.96	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	42	10.41	11.06	11.43	11.13	17.04	3.618	20.66	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	39	10.74	11.24	11.34	11.44	17.22	3.618	20.84	21	Complies

Note: BF: Beamforming

Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi / 1TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)	Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	74	17.57	3.400	20.97	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	76	17.54	3.400	20.94	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	76	17.53	3.400	20.93	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	74	17.42	3.400	20.82	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	76	17.48	3.400	20.88	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	76	17.45	3.400	20.85	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	74	17.41	3.400	20.81	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	74	17.31	3.400	20.71	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	73	17.49	3.400	20.89	21	Complies

Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)			Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	2	Total	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	54	13.48	15.29	17.49	3.400	20.89	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	54	13.33	15.08	17.30	3.400	20.70	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	55	13.54	15.22	17.47	3.400	20.87	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	54	13.44	15.38	17.53	3.400	20.93	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	54	13.21	15.12	17.28	3.400	20.68	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	55	13.47	15.27	17.47	3.400	20.87	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	57	14.03	14.98	17.54	3.400	20.94	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	57	14.13	14.71	17.44	3.400	20.84	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	53	13.3	15.21	17.37	3.400	20.77	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	42	10.57	12.27	14.51	6.410	20.92	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	42	10.36	12.08	14.31	6.410	20.73	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	43	10.87	12.07	14.52	6.410	20.93	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	45	11.18	11.83	14.53	6.410	20.94	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	45	11.15	11.87	14.54	6.410	20.95	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	39	10.34	12.48	14.55	6.410	20.96	21	Complies

Note: BF: Beamforming

Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)				Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit (dBm)	Test Result
						1	2	3	Total	Max gain (dBi)	Max EIRP (dBm)		
Non BF	5180MHz	OFDM	Ch36	6Mbps	52	11.57	13.46	12.94	17.50	3.400	20.90	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	52	11.29	13.59	12.91	17.47	3.400	20.87	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	53	11.54	13.41	12.82	17.43	3.400	20.83	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	52	11.52	13.18	12.9	17.36	3.400	20.76	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	52	11.42	13.08	13.09	17.37	3.400	20.77	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	53	11.63	13.22	12.81	17.38	3.400	20.78	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	52	11.56	12.34	13.46	17.30	3.400	20.70	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	54	11.95	12.54	13.21	17.37	3.400	20.77	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	52	11.52	13.46	12.13	17.22	3.400	20.62	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	32	6.95	8.63	8.04	12.70	8.171	20.87	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	32	6.79	8.43	8.41	12.71	8.171	20.88	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	32	7.31	8.32	7.81	12.60	8.171	20.78	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	30	7.12	7.64	8.37	12.51	8.171	20.68	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	30	6.92	7.61	8.63	12.55	8.171	20.72	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	30	7.69	8.56	7.28	12.65	8.171	20.82	21	Complies

Note: BF: Beamforming

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

Mode	Frequency	Modulation	Channel	Data Rate	Conducted Pass Setting	Chain (dBm)					Elevation angle above 30°	Elevation angle above 30°	EIRP Power Limit	Test Result
						1	2	3	4	Total	Max gain (dBi)	Max EIRP (dBm)	(dBm)	
Non BF	5180MHz	OFDM	Ch36	6Mbps	40	10.88	12.17	11.57	11.26	17.52	3.400	20.92	21	Complies
	5200MHz	OFDM	Ch40	6Mbps	40	10.42	11.86	11.56	11.13	17.30	3.400	20.70	21	Complies
	5240MHz	OFDM	Ch48	6Mbps	42	10.97	12.26	11.61	11.23	17.57	3.400	20.97	21	Complies
	5180MHz	VHT20	Ch36	MCS0-Nss1	40	10.84	12.08	11.58	11.09	17.44	3.400	20.84	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	40	10.74	11.83	11.58	11.24	17.39	3.400	20.79	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	42	10.97	12.2	11.62	11.21	17.55	3.400	20.95	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	40	10.23	10.92	12.12	11.47	17.26	3.400	20.66	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	42	10.82	11.34	12.07	11.36	17.44	3.400	20.84	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	40	10.44	12.42	9.84	12.13	17.36	3.400	20.76	21	Complies
BF	5180MHz	VHT20	Ch36	MCS0-Nss1	13	4.55	6.24	5.67	4.91	11.41	9.421	20.83	21	Complies
	5200MHz	VHT20	Ch40	MCS0-Nss1	14	4.62	5.83	5.64	4.82	11.28	9.421	20.70	21	Complies
	5240MHz	VHT20	Ch48	MCS0-Nss1	14	4.89	5.79	5.54	4.91	11.32	9.421	20.74	21	Complies
	5190MHz	VHT40	Ch38	MCS0-Nss1	11	4.16	5.05	6.28	5.51	11.34	9.421	20.76	21	Complies
	5230MHz	VHT40	Ch46	MCS0-Nss1	12	4.56	4.85	5.98	5.33	11.23	9.421	20.65	21	Complies
	5210MHz	VHT80	Ch42	MCS0-Nss1	10	4.73	5.87	4.14	5.65	11.17	9.421	20.59	21	Complies

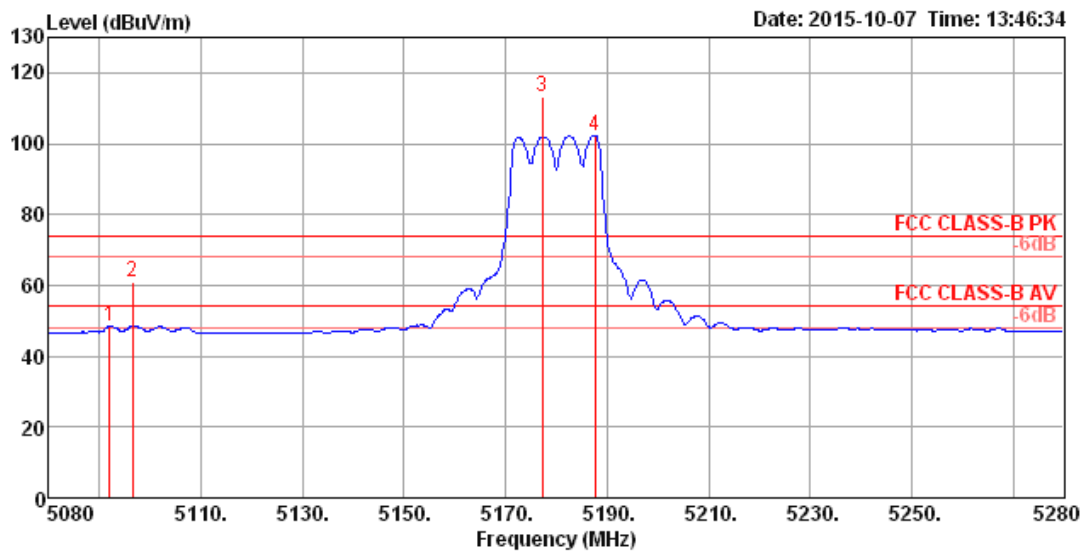
Note: BF: Beamforming

Appendix C. Verification Worst Case

For Non-Beamforming Mode

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

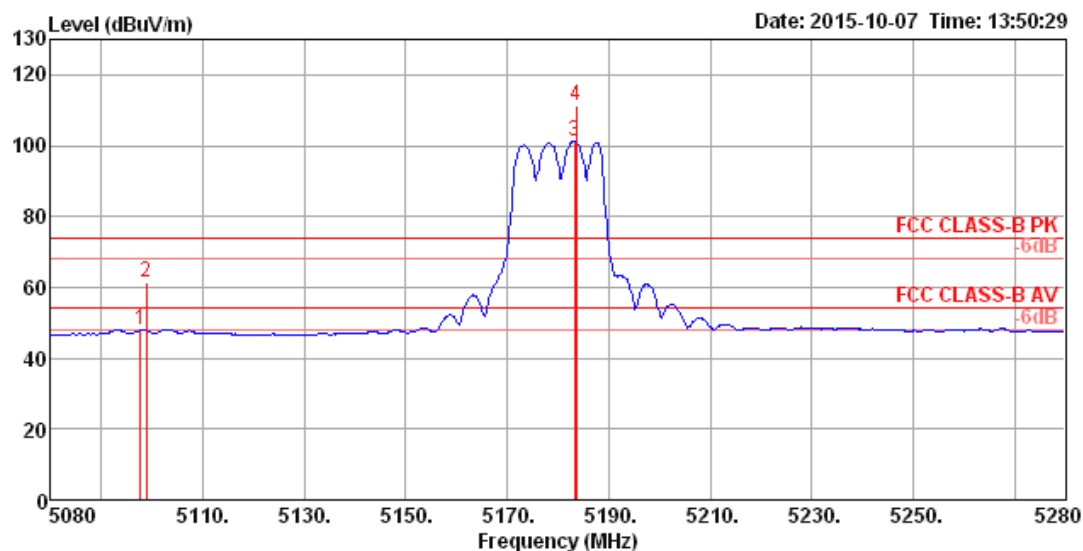
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5092.00	48.50	54.00	-5.50	41.78	6.11	33.66	33.05	200	304	Average	VERTICAL
2	5096.40	60.81	74.00	-13.19	54.06	6.14	33.66	33.05	200	304	Peak	VERTICAL
3	5177.20	113.08	74.00	39.08	106.10	6.24	33.79	33.05	200	304	Peak	VERTICAL
4	5187.60	102.29	54.00	48.29	95.31	6.24	33.79	33.05	200	304	Average	VERTICAL

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 3
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

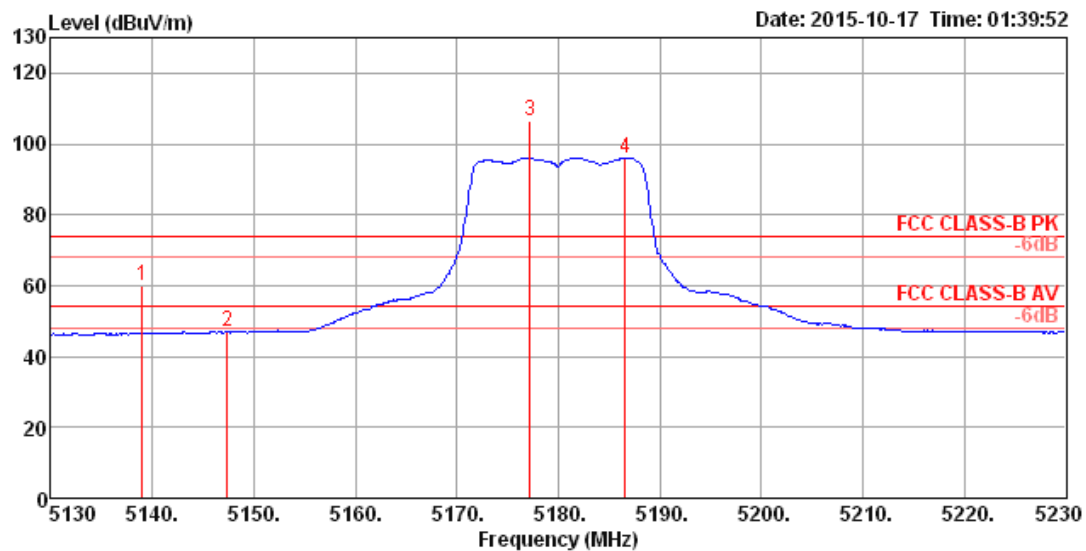
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5097.60	47.94	54.00	-6.06	41.19	6.14	33.66	33.05	199	311	Average	VERTICAL
2	5098.80	61.27	74.00	-12.73	54.52	6.14	33.66	33.05	199	311	Peak	VERTICAL
3	5183.20	101.21	54.00	47.21	94.23	6.24	33.79	33.05	199	311	Average	VERTICAL
4	5183.60	111.14	74.00	37.14	104.16	6.24	33.79	33.05	199	311	Peak	VERTICAL

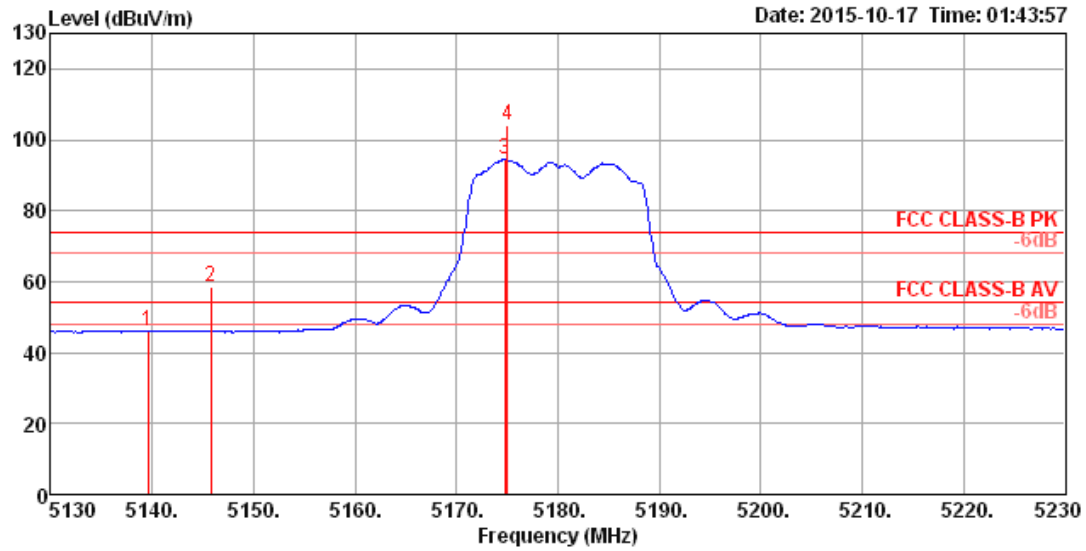
Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5139.00	59.90	74.00	-14.10	53.07	6.17	33.71	33.05	198	165	Peak	HORIZONTAL
2	5147.40	46.94	54.00	-7.06	40.04	6.21	33.74	33.05	198	165	Average	HORIZONTAL
3	5177.20	106.37	74.00	32.37	99.39	6.24	33.79	33.05	198	165	Peak	HORIZONTAL
4	5186.60	96.01	54.00	42.01	89.03	6.24	33.79	33.05	198	165	Average	HORIZONTAL

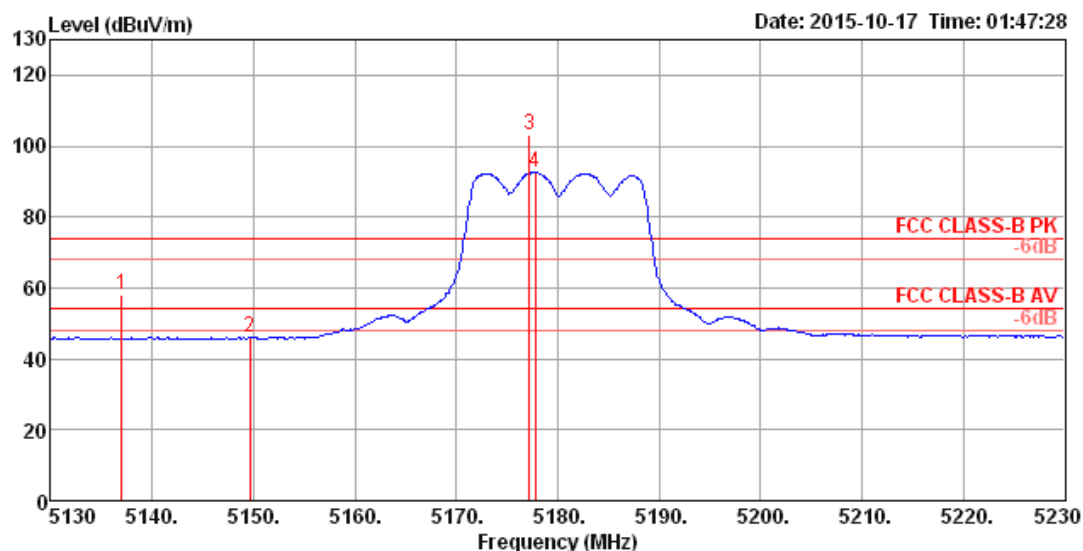
Vertical



	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	5139.60	46.12	54.00	-7.88	39.26	6.17	33.74	33.05	205	209	Average
2	5145.80	58.43	74.00	-15.57	51.53	6.21	33.74	33.05	205	209	Peak
3	5174.80	94.33	54.00	40.33	87.35	6.24	33.79	33.05	205	209	Average
4	5175.00	103.96	74.00	29.96	96.98	6.24	33.79	33.05	205	209	Peak

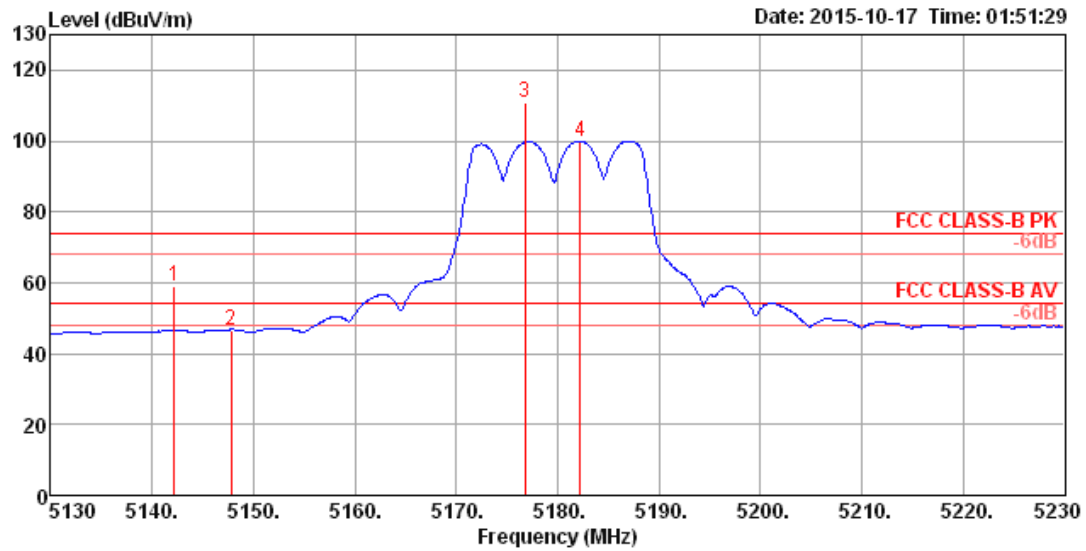
Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 3
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5137.00	58.11	74.00	-15.89	51.28	6.17	33.71	33.05	261	158	Peak	HORIZONTAL
2	5149.60	45.92	54.00	-8.08	39.02	6.21	33.74	33.05	261	158	Average	HORIZONTAL
3	5177.20	103.05	74.00	29.05	96.07	6.24	33.79	33.05	261	158	Peak	HORIZONTAL
4	5177.80	92.57	54.00	38.57	85.59	6.24	33.79	33.05	261	158	Average	HORIZONTAL

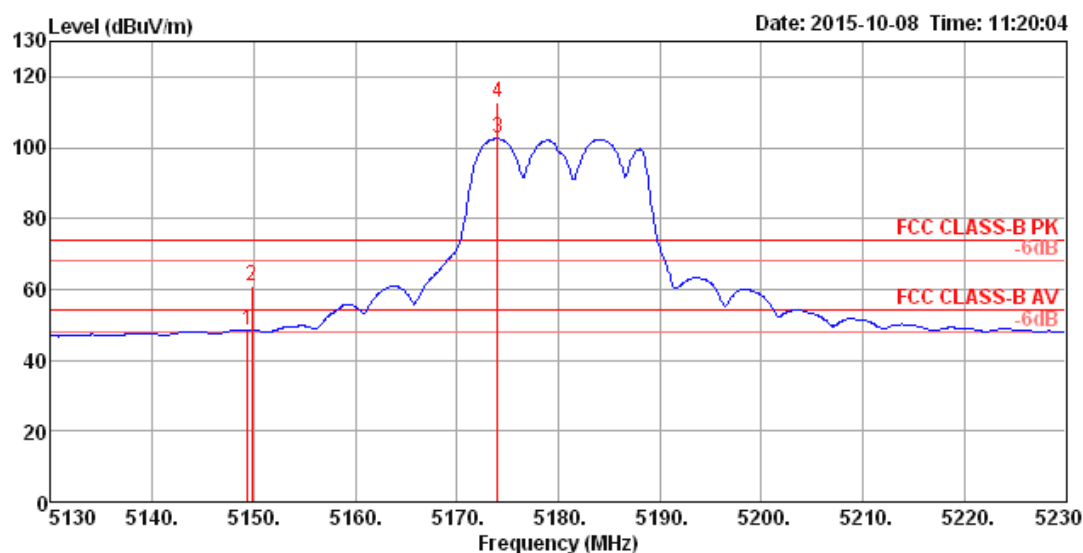
Vertical



	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	5142.20	59.12	74.00	-14.88	52.26	6.17	33.74	33.05	184	75 Peak	VERTICAL
2	5147.80	46.71	54.00	-7.29	39.81	6.21	33.74	33.05	184	75 Average	VERTICAL
3	5176.80	110.58	74.00	36.58	103.60	6.24	33.79	33.05	184	75 Peak	VERTICAL
4	5182.20	99.88	54.00	45.88	92.90	6.24	33.79	33.05	184	75 Average	VERTICAL

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

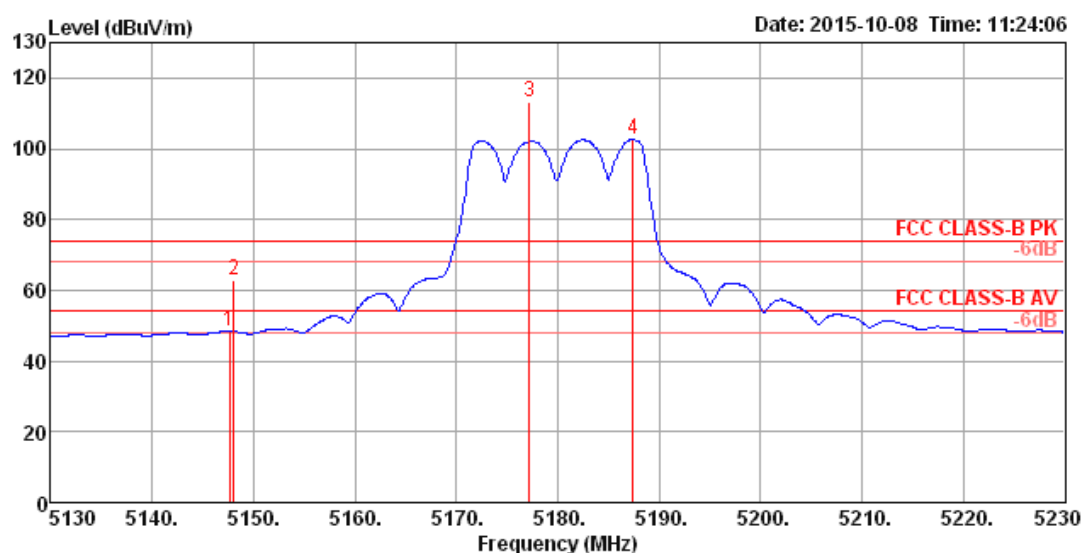
Vertical



	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	5149.40	48.54	54.00	-5.46	41.64	6.21	33.74	33.05	221	355	Average	VERTICAL
2	5149.80	60.69	74.00	-13.31	53.79	6.21	33.74	33.05	221	355	Peak	VERTICAL
3	5174.00	102.48	54.00	48.48	95.50	6.24	33.79	33.05	221	355	Average	VERTICAL
4	5174.00	112.91	74.00	38.91	105.93	6.24	33.79	33.05	221	355	Peak	VERTICAL

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 3
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

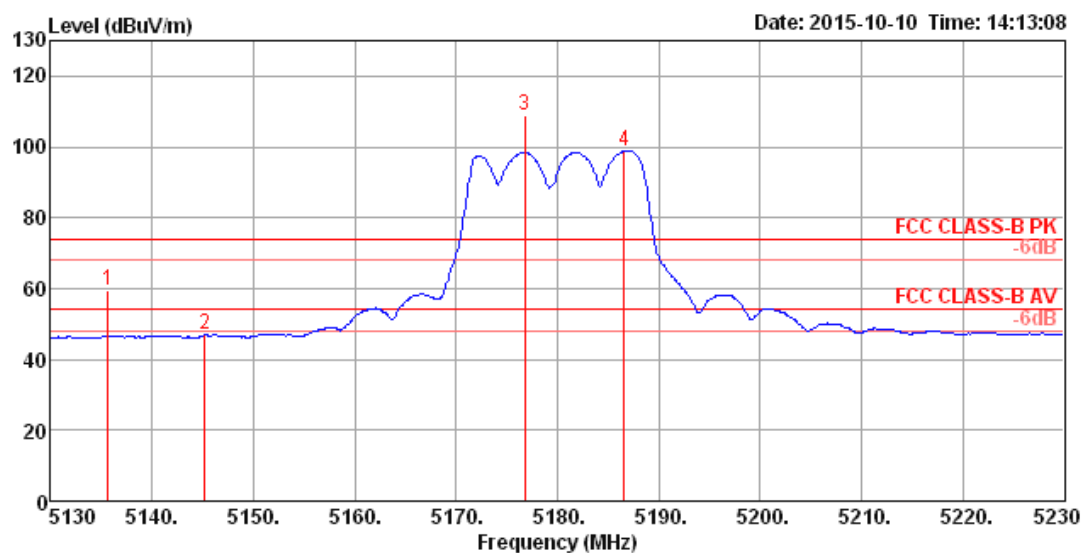
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.60	48.42	54.00	-5.58	41.52	6.21	33.74	33.05	199	14	Average	VERTICAL
2	5148.00	62.73	74.00	-11.27	55.83	6.21	33.74	33.05	199	14	Peak	VERTICAL
3	5177.20	113.33	74.00	39.33	106.35	6.24	33.79	33.05	199	14	Peak	VERTICAL
4	5187.40	102.50	54.00	48.50	95.52	6.24	33.79	33.05	199	14	Average	VERTICAL

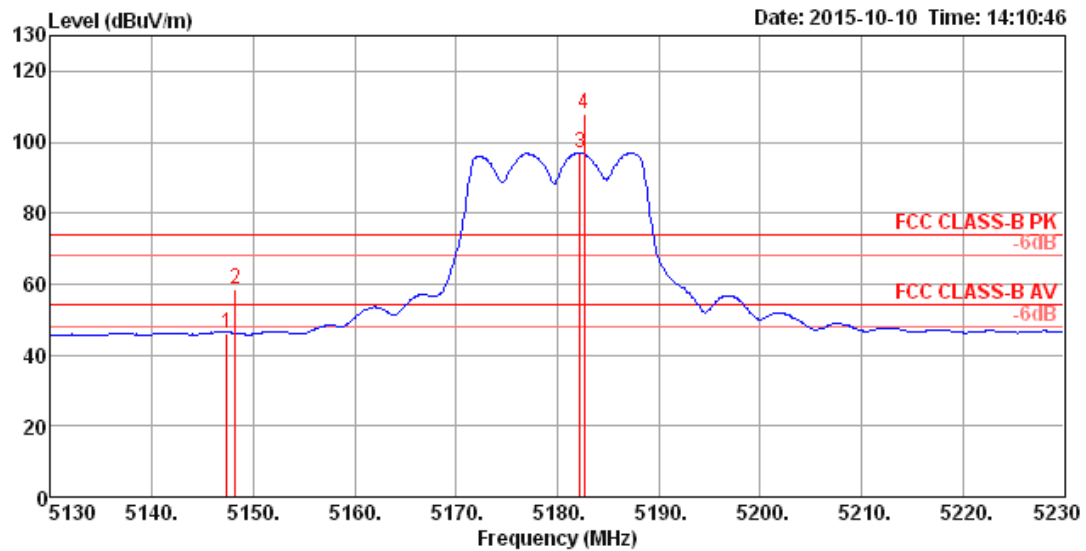
Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5135.60	59.26	74.00	-14.74	52.43	6.17	33.71	33.05	280	348	Peak	HORIZONTAL
2	5145.20	46.83	54.00	-7.17	39.93	6.21	33.74	33.05	280	348	Average	HORIZONTAL
3	5176.80	108.76	74.00	34.76	101.78	6.24	33.79	33.05	280	348	Peak	HORIZONTAL
4	5186.60	98.87	54.00	44.87	91.89	6.24	33.79	33.05	280	348	Average	HORIZONTAL

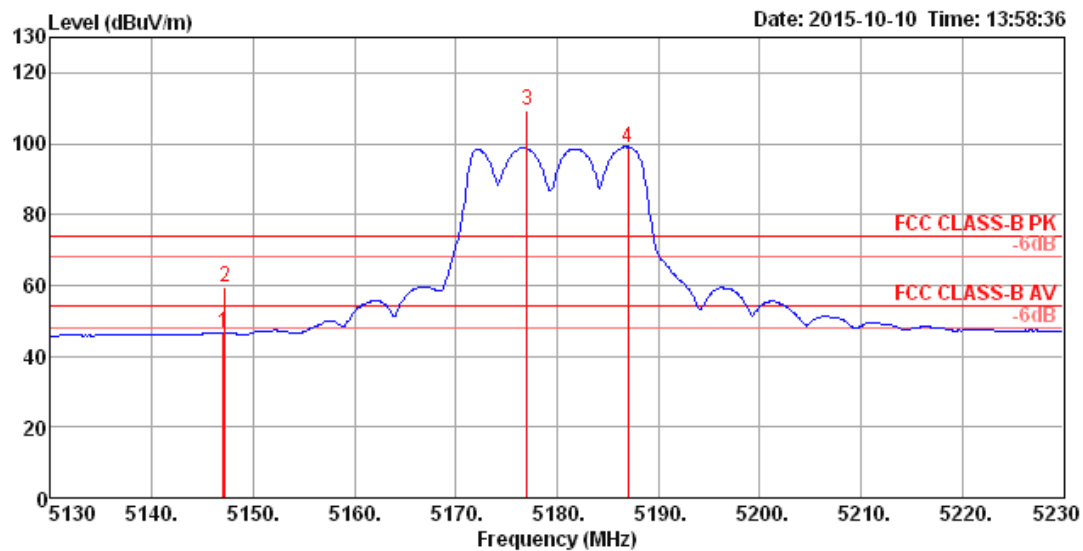
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.40	46.26	54.00	-7.74	39.36	6.21	33.74	33.05	196	6	Average	VERTICAL
2	5148.20	58.32	74.00	-15.68	51.42	6.21	33.74	33.05	196	6	Peak	VERTICAL
3	5182.20	97.00	54.00	43.00	90.02	6.24	33.79	33.05	196	6	Average	VERTICAL
4	5182.60	107.76	74.00	33.76	100.78	6.24	33.79	33.05	196	6	Peak	VERTICAL

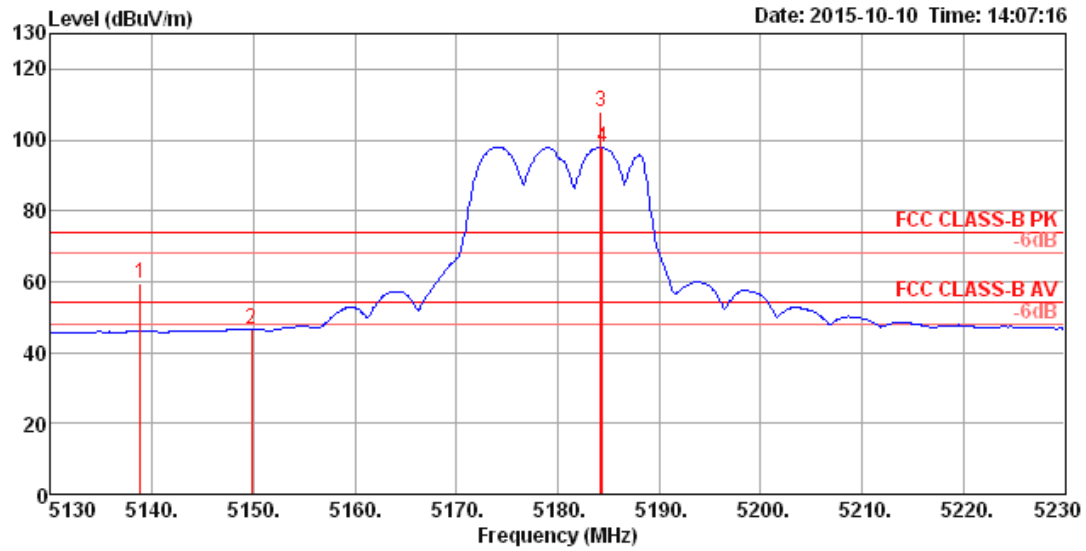
Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 3
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.00	46.75	54.00	-7.25	39.85	6.21	33.74	33.05	220	354	Average	HORIZONTAL
2	5147.20	59.33	74.00	-14.67	52.43	6.21	33.74	33.05	220	354	Peak	HORIZONTAL
3	5177.00	109.22	74.00	35.22	102.24	6.24	33.79	33.05	220	354	Peak	HORIZONTAL
4	5187.00	99.03	54.00	45.03	92.05	6.24	33.79	33.05	220	354	Average	HORIZONTAL

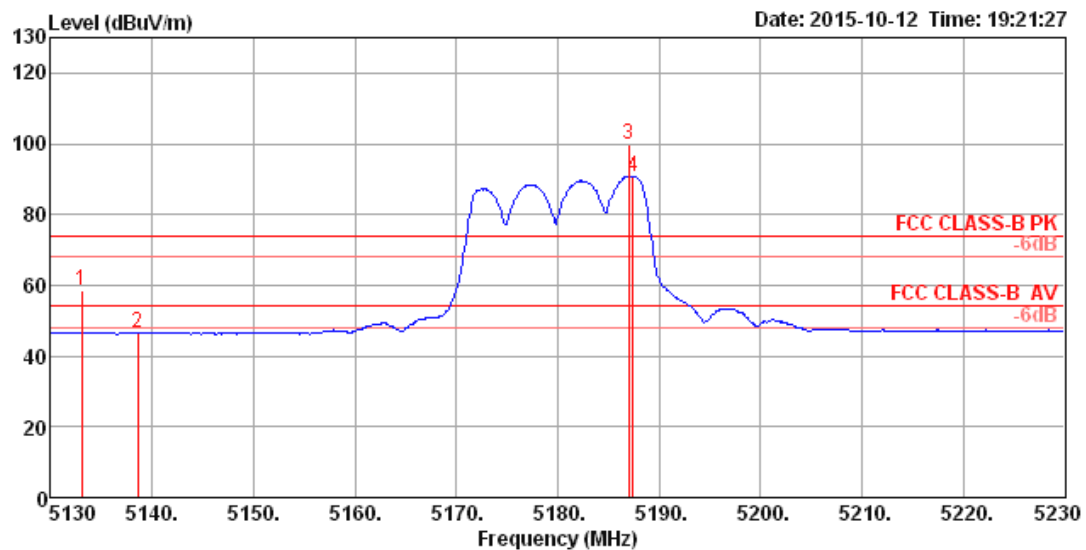
Vertical



	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	5138.80	59.51	74.00	-14.49	52.68	6.17	33.71	33.05	214	326	Peak
2	5149.80	46.67	54.00	-7.33	39.77	6.21	33.74	33.05	214	326	Average
3	5184.20	108.16	74.00	34.16	101.18	6.24	33.79	33.05	214	326	Peak
4	5184.40	97.94	54.00	43.94	90.96	6.24	33.79	33.05	214	326	Average

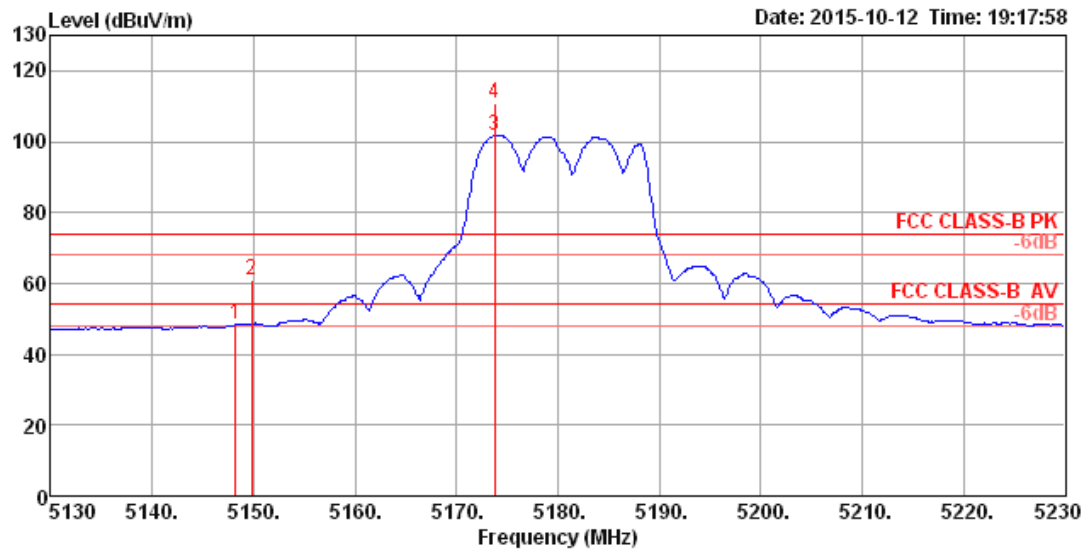
Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5133.00	58.74	74.00	-15.26	51.91	6.17	33.71	33.05	180	116	Peak	HORIZONTAL
2	5138.60	46.59	54.00	-7.41	39.76	6.17	33.71	33.05	180	116	Average	HORIZONTAL
3	5187.00	99.99	74.00	25.99	93.01	6.24	33.79	33.05	180	116	Peak	HORIZONTAL
4	5187.40	90.79	54.00	36.79	83.81	6.24	33.79	33.05	180	116	Average	HORIZONTAL

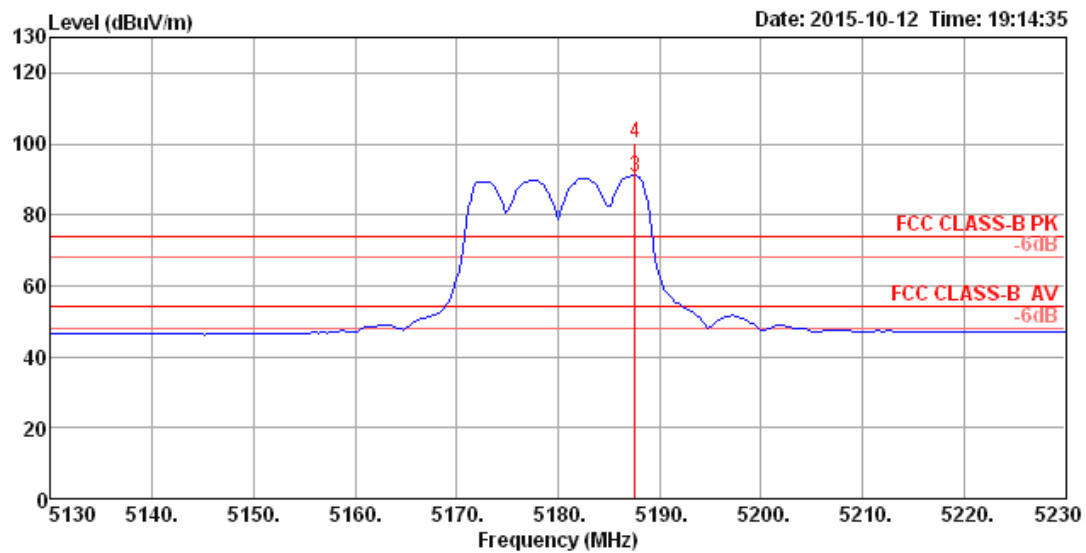
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.20	48.46	54.00	-5.54	41.56	6.21	33.74	33.05	300	179	Average	VERTICAL
2	5149.80	61.00	74.00	-13.00	54.10	6.21	33.74	33.05	300	179	Peak	VERTICAL
3	5173.80	101.75	54.00	47.75	94.77	6.24	33.79	33.05	300	179	Average	VERTICAL
4	5173.80	110.93	74.00	36.93	103.95	6.24	33.79	33.05	300	179	Peak	VERTICAL

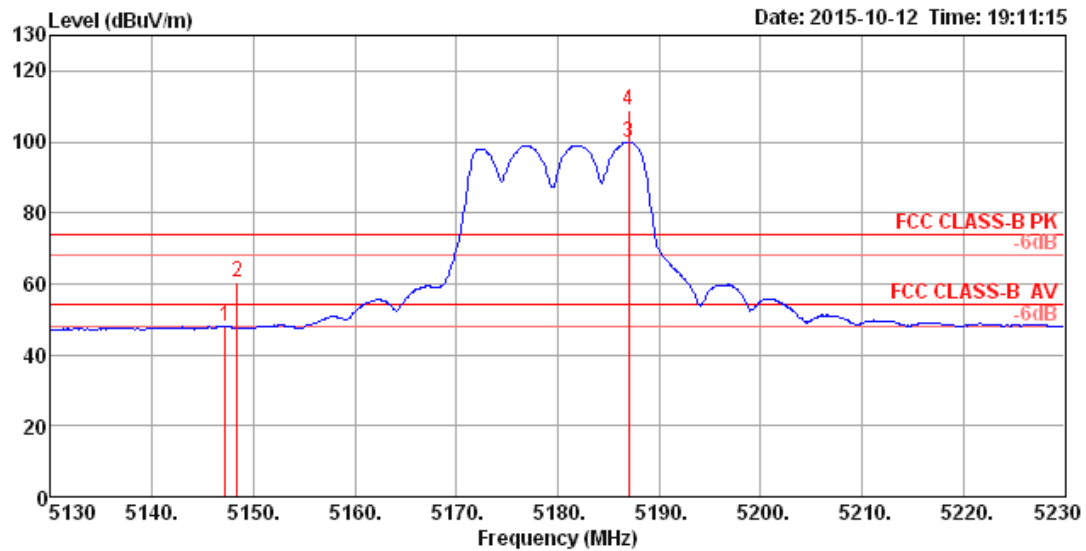
Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 3
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.00	59.20	74.00	-14.80	52.42	6.14	33.69	33.05	199	109	Peak	HORIZONTAL
2	5122.40	46.99	54.00	-7.01	40.18	6.17	33.69	33.05	199	109	Average	HORIZONTAL
3	5187.60	90.79	54.00	36.79	83.81	6.24	33.79	33.05	199	109	Average	HORIZONTAL
4	5187.60	100.24	74.00	26.24	93.26	6.24	33.79	33.05	199	109	Peak	HORIZONTAL

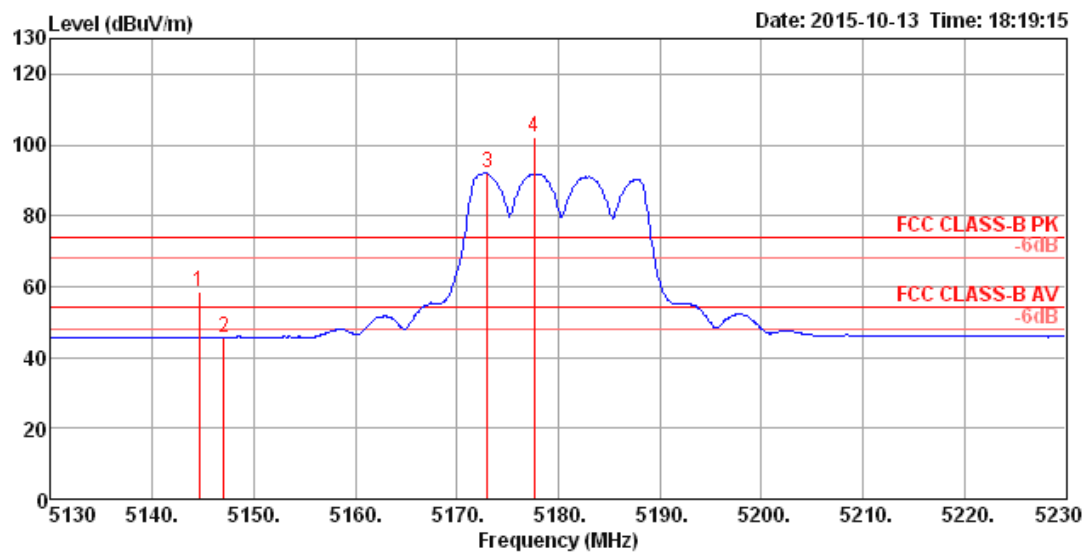
Vertical



	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	5147.20	47.94	54.00	-6.06	41.04	6.21	33.74	33.05	202	304	Average	VERTICAL
2	5148.40	60.59	74.00	-13.41	53.69	6.21	33.74	33.05	202	304	Peak	VERTICAL
3	5187.00	99.67	54.00	45.67	92.69	6.24	33.79	33.05	202	304	Average	VERTICAL
4	5187.00	109.12	74.00	35.12	102.14	6.24	33.79	33.05	202	304	Peak	VERTICAL

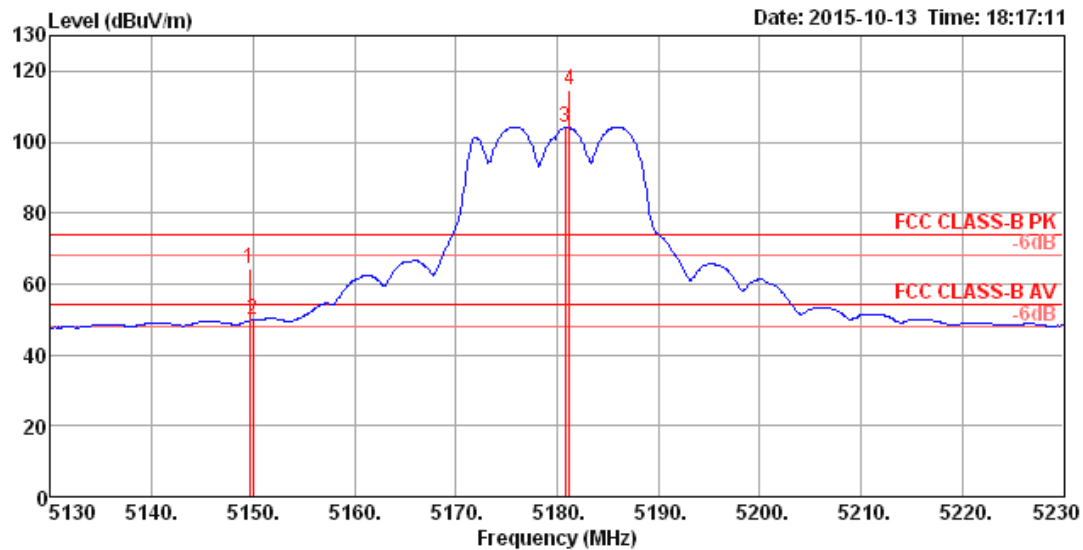
Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

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	5144.60	58.41	74.00	-15.59	51.51	6.21	33.74	33.05	300	107	Peak
2	5147.00	45.58	54.00	-8.42	38.68	6.21	33.74	33.05	300	107	Average
3	5173.00	91.95	54.00	37.95	84.99	6.24	33.77	33.05	300	107	Average
4	5177.60	102.07	74.00	28.07	95.09	6.24	33.79	33.05	300	107	Peak

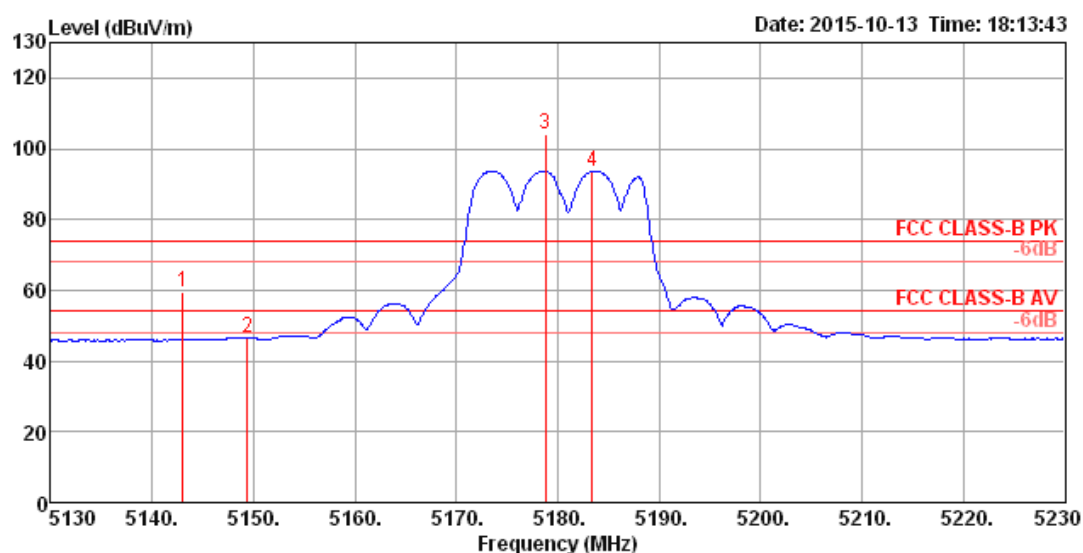
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.60	64.43	74.00	-9.57	57.53	6.21	33.74	33.05	300	106	Peak	VERTICAL
2	5150.00	49.89	54.00	-4.11	42.99	6.21	33.74	33.05	300	106	Average	VERTICAL
3	5180.80	104.14	54.00	50.14	97.16	6.24	33.79	33.05	300	106	Average	VERTICAL
4	5181.20	114.67	74.00	40.67	107.69	6.24	33.79	33.05	300	106	Peak	VERTICAL

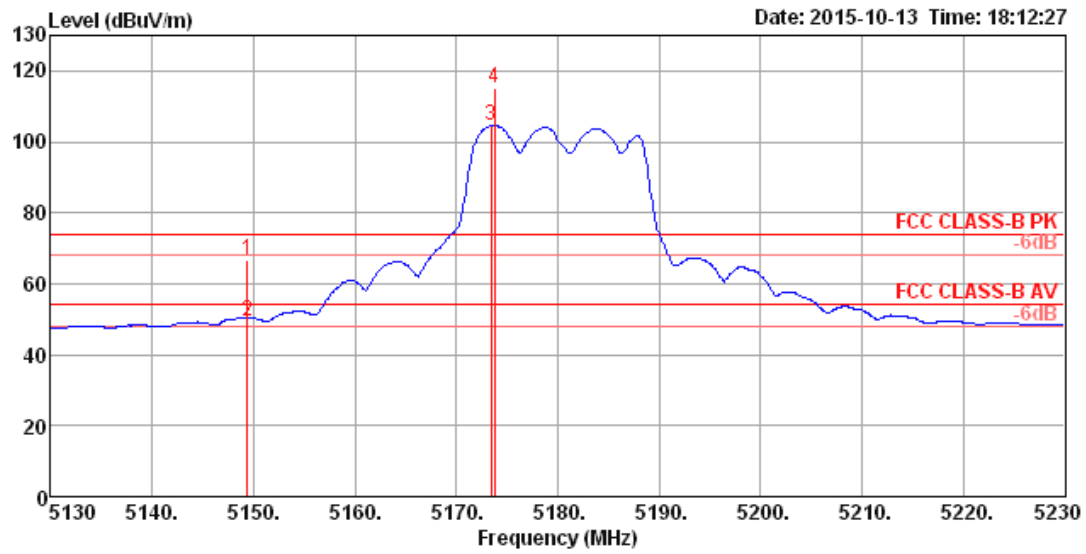
Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 3
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5143.00	59.37	74.00	-14.63	52.51	6.17	33.74	33.05	299	292	Peak	HORIZONTAL
2	5149.40	46.51	54.00	-7.49	39.61	6.21	33.74	33.05	299	292	Average	HORIZONTAL
3	5178.80	104.06	74.00	30.06	97.08	6.24	33.79	33.05	299	292	Peak	HORIZONTAL
4	5183.40	93.65	54.00	39.65	86.67	6.24	33.79	33.05	299	292	Average	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	5149.40	66.74	74.00	-7.26	59.84	6.21	33.74	33.05	300	219 Peak	VERTICAL
2	5149.40	49.44	54.00	-4.56	42.54	6.21	33.74	33.05	300	219 Average	VERTICAL
3	5173.40	104.45	54.00	50.45	97.49	6.24	33.77	33.05	300	219 Average	VERTICAL
4	5173.80	115.05	74.00	41.05	108.07	6.24	33.79	33.05	300	219 Peak	VERTICAL