Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.63	107.68			99.41	7.32	34.01	33.06	300	178	Average	VERTICAL
2	5314.36	118.55			110.28	7.32	34.01	33.06	300	178	Peak	VERTICAL
3	5353.04	71.61	74.00	-2.39	63.31	7.30	34.06	33.06	300	178	Peak	VERTICAL
4	5353.18	52.90	54.00	-1.10	44.60	7.30	34.06	33.06	300	178	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	51.80	54.00	-2.20	43.26	7.38	34.22	33.06	300	353	Average	VERTICAL
2	5460.00	64.37	74.00	-9.63	55.83	7.38	34.22	33.06	300	353	Peak	VERTICAL
3	5464.50	67.00	68.20	-1.20	58.43	7.38	34.25	33.06	300	353	Peak	VERTICAL
4	5502.32	109.11			100.44	7.44	34.30	33.07	300	353	Average	VERTICAL
5	5502.75	120.61			111.94	7.44	34.30	33.07	300	353	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5424.69	53.00	54.00	-1.00	44.58	7.31	34.17	33.06	300	309	Average	VERTICAL
2	5424.69	65.24	74.00	-8.76	56.82	7.31	34.17	33.06	300	309	Peak	VERTICAL
3	5466.53	62.90	68.20	-5.30	54.33	7.38	34.25	33.06	300	309	Peak	VERTICAL
4	5586.37	108.49			99.62	7.61	34.35	33.09	300	309	Average	VERTICAL
5	5586.37	119.39			110.52	7.61	34.35	33.09	300	309	Peak	VERTICAL
6	5747.00	64.26	68.20	-3.94	55.63	7.33	34.44	33.14	300	309	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5698.84	108.10			99.37	7.44	34.41	33.12	300	157	Average	VERTICAL
2	5699.42	118.80			110.07	7.44	34.41	33.12	300	157	Peak	VERTICAL
3	5726.59	52.87	54.00	-1.13	44.20	7.37	34.43	33.13	300	157	Average	VERTICAL
4	5727.60	69.07	74.00	-4.93	60.40	7.37	34.43	33.13	300	157	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5311.90	104.98			96.71	7.32	34.01	33.06	300	176	Average	VERTICAL
2	5314.65	116.90			108.63	7.32	34.01	33.06	300	176	Peak	VERTICAL
3	5351.30	67.69	74.00	-6.31	59.39	7.30	34.06	33.06	300	176	Peak	VERTICAL
4	5351.74	52.89	54.00	-1.11	44.59	7.30	34.06	33.06	300	176	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.54	51.79	54.00	-2.21	43.25	7.38	34.22	33.06	300	359	Average	VERTICAL
2	5457.54	64.50	74.00	-9.50	55.96	7.38	34.22	33.06	300	359	Peak	VERTICAL
3	5467.68	67.03	68.20	-1.17	58.46	7.38	34.25	33.06	300	359	Peak	VERTICAL
4	5507.53	119.14			110.43	7.48	34.30	33.07	300	359	Peak	VERTICAL
5	5507.67	107.82			99.11	7.48	34.30	33.07	300	359	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5427.00	52.99	54.00	-1.01	44.57	7.31	34.17	33.06	300	4	Average	VERTICAL
2	5427.58	64.60	74.00	-9.40	56.18	7.31	34.17	33.06	300	4	Peak	VERTICAL
3	5467.11	62.51	68.20	-5.69	53.94	7.38	34.25	33.06	300	4	Peak	VERTICAL
4	5578.26	119.19			110.33	7.61	34.34	33.09	300	4	Peak	VERTICAL
5	5587.53	109.03			100.16	7.61	34.35	33.09	300	4	Average	VERTICAL
6	5733.68	63.93	68.20	-4.27	55.27	7.37	34.43	33.14	300	4	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.79	104.87			96.14	7.44	34.41	33.12	298	155	Average	VERTICAL
2	5695.08	115.94			107.21	7.44	34.41	33.12	298	155	Peak	VERTICAL
3	5725.14	67.01	68.20	-1.19	58.30	7.41	34.43	33.13	298	155	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 54

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

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.69	98.10			89.86	7.32	33.98	33.06	300	42	Average	VERTICAL
2	5301.90	108.18			99.94	7.32	33.98	33.06	300	42	Peak	VERTICAL
3	5351.74	52.98	54.00	-1.02	44.68	7.30	34.06	33.06	300	42	Average	VERTICAL
4	5356.37	66.86	74.00	-7.14	58.56	7.30	34.06	33.06	300	42	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 102

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

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5652.63	113.36			104.56	7.52	34.39	33.11	300	359	Peak	VERTICAL
2	5682.74	102.97			94.21	7.48	34.40	33.12	300	359	Average	VERTICAL
3	5732.53	66.99	68.20	-1.21	58.33	7.37	34.43	33.14	300	359	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 58

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

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

Channel 106

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

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.21	64.80	74.00	-9.20	56.26	7.38	34.22	33.06	300	359	Peak	VERTICAL
2	5457.11	52.71	54.00	-1.29	44.17	7.38	34.22	33.06	300	359	Average	VERTICAL
3	5467.11	64.47	68.20	-3.73	55.90	7.38	34.25	33.06	300	359	Peak	VERTICAL
4	5592.63	111.25			102.38	7.61	34.35	33.09	300	359	Peak	VERTICAL
5	5622.30	102.12			93.25	7.60	34.37	33.10	300	359	Average	VERTICAL

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

Straddle Channel

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

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5718.84	111.07			102.36	7.41	34.43	33.13	300	155	Average	VERTICAL
2	5718.84	120.25			111.54	7.41	34.43	33.13	300	155	Peak	VERTICAL
3	5882.42	66.85	68.20	-1.35	57.76	7.74	34.53	33.18	300	155	Peak	VERTICAL

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

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

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.47	108.67			99.97	7.41	34.42	33.13	297	177	Average	VERTICAL
2	5713.05	118.79			110.09	7.41	34.42	33.13	297	177	Peak	VERTICAL
3	5872.58	64.37	68.20	-3.83	55.38	7.64	34.53	33.18	297	177	Peak	VERTICAL

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

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

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.95	106.37			97.64	7.44	34.41	33.12	297	158	Average	VERTICAL
2	5704.79	115.94			107.21	7.44	34.42	33.13	297	158	Peak	VERTICAL
3	5860.42	63.74	68.20	-4.46	54.76	7.64	34.52	33.18	297	158	Peak	VERTICAL

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

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5681.32	102.77			94.01	7.48	34.40	33.12	300	60	Average	VERTICAL
2	5721.84	112.50			103.79	7.41	34.43	33.13	300	60	Peak	VERTICAL
3	5850.72	67.12	68.20	-1.08	58.24	7.54	34.51	33.17	300	60	Peak	VERTICAL

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

Note:

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

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

For Beamforming Mode

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 52

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

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.31	105.43			97.20	7.33	33.96	33.06	216	352	Average	VERTICAL
2	5295.19	114.65			106.41	7.32	33.98	33.06	216	352	Peak	VERTICAL
3	5358.65	48.63	54.00	-5.37	40.32	7.29	34.08	33.06	216	352	Average	VERTICAL
4	5363.46	60.82	74.00	-13.18	52.51	7.29	34.08	33.06	216	352	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.27	115.10			106.84	7.31	34.01	33.06	215	46	Peak	VERTICAL
2	5313.27	105.18			96.92	7.31	34.01	33.06	215	46	Average	VERTICAL
3	5350.00	51.29	54.00	-2.71	42.99	7.30	34.06	33.06	215	46	Average	VERTICAL
4	5353.81	63.95	74.00	-10.05	55.65	7.30	34.06	33.06	215	46	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 100

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

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.23	102.52			93.79	7.44	34.42	33.13	195	57	Average	VERTICAL
2	5697.12	113.53			104.80	7.44	34.42	33.13	195	57	Peak	VERTICAL
3	5725.00	67.19	68.20	-1.01	58.50	7.38	34.44	33.13	195	57	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 54

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

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.22	96.75			88.51	7.32	33.98	33.06	203	50	Average	VERTICAL
2	5297.50	108.95			100.71	7.32	33.98	33.06	203	50	Peak	VERTICAL
3	5350.00	65.04	74.00	-8.96	56.74	7.30	34.06	33.06	203	50	Peak	VERTICAL
4	5350.39	52.56	54.00	-1.44	44.26	7.30	34.06	33.06	203	50	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 102

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

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

Channel 110

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

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

Channel 134

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 58

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

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

Channel 106

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

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5451.35	63.43	74.00	-10.57	54.87	7.39	34.23	33.06	189	132	Peak	VERTICAL
2	5459.36	51.05	54.00	-2.95	42.49	7.39	34.23	33.06	189	132	Average	VERTICAL
3	5470.00	64.57	68.20	-3.63	55.96	7.42	34.25	33.06	189	132	Peak	VERTICAL
4	5594.78	101.03			92.12	7.64	34.36	33.09	189	132	Average	VERTICAL
5	5601.19	112.98			104.08	7.64	34.36	33.10	189	132	Peak	VERTICAL
6	5725.00	67.17	68.20	-1.03	58.48	7.38	34.44	33.13	189	132	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5718.56	114.38			105.67	7.41	34.43	33.13	185	227	Peak	VERTICAL
2	5722.40	104.88			96.19	7.38	34.44	33.13	185	227	Average	VERTICAL
3	5857.02	59.74	68.20	-8.46	50.78	7.61	34.52	33.17	185	227	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.26	111.47			102.74	7.44	34.42	33.13	183	55	Peak	VERTICAL
2	5696.54	101.90			93.17	7.44	34.42	33.13	183	55	Average	VERTICAL
3	5856.15	61.90	68.20	-6.30	52.94	7.61	34.52	33.17	183	55	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5676.38	110.35			101.58	7.48	34.41	33.12	186	130	Peak	VERTICAL
2	5676.38	99.77			91.00	7.48	34.41	33.12	186	130	Average	VERTICAL
3	5851.86	62.13	68.20	-6.07	53.27	7.52	34.51	33.17	186	130	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5323.91	117.95			109.67	7.31	34.03	33.06	204	48	Peak	VERTICAL
2	5325.35	104.05			95.77	7.31	34.03	33.06	204	48	Average	VERTICAL
3	5350.00	52.71	54.00	-1.29	44.41	7.30	34.06	33.06	204	48	Average	VERTICAL
4	5351.30	68.86	74.00	-5.14	60.56	7.30	34.06	33.06	204	48	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 100

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

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.45	113.06			104.33	7.44	34.42	33.13	218	229	Peak	VERTICAL
2	5708.17	103.94			95.23	7.41	34.43	33.13	218	229	Average	VERTICAL
3	5725.00	67.07	68.20	-1.13	58.38	7.38	34.44	33.13	218	229	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 54

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

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.89	108.90			100.64	7.31	34.01	33.06	204	46	Peak	VERTICAL
2	5315.50	97.49			89.23	7.31	34.01	33.06	204	46	Average	VERTICAL
3	5350.00	52.75	54.00	-1.25	44.45	7.30	34.06	33.06	204	46	Average	VERTICAL
4	5350.29	66.49	74.00	-7.51	58.19	7.30	34.06	33.06	204	46	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.76	64.41	74.00	-9.59	55.85	7.39	34.23	33.06	194	133	Peak	VERTICAL
2	5458.08	51.03	54.00	-2.97	42.47	7.39	34.23	33.06	194	133	Average	VERTICAL
3	5464.49	67.11	68.20	-1.09	58.50	7.42	34.25	33.06	194	133	Peak	VERTICAL
4	5524.10	114.88			106.14	7.50	34.31	33.07	194	133	Peak	VERTICAL
5	5524.10	104.66			95.92	7.50	34.31	33.07	194	133	Average	VERTICAL

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5685.06	112.73			103.96	7.48	34.41	33.12	218	54	Peak	VERTICAL
2	5685.71	103.39			94.62	7.48	34.41	33.12	218	54	Average	VERTICAL
3	5725.00	67.06	68.20	-1.14	58.37	7.38	34.44	33.13	218	54	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5259.61	95.43			87.24	7.34	33.91	33.06	199	321	Average	VERTICAL
2	5277.70	105.31			97.08	7.33	33.96	33.06	199	321	Peak	VERTICAL
3	5350.72	52.72	54.00	-1.28	44.42	7.30	34.06	33.06	199	321	Average	VERTICAL
4	5351.45	64.09	74.00	-9.91	55.79	7.30	34.06	33.06	199	321	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5438.65	68.91	74.00	-5.09	60.41	7.36	34.20	33.06	210	127	Peak	VERTICAL
2	5460.00	52.49	54.00	-1.51	43.93	7.39	34.23	33.06	210	127	Average	VERTICAL
3	5470.00	66.23	68.20	-1.97	57.62	7.42	34.25	33.06	210	127	Peak	VERTICAL
4	5516.38	109.69			100.95	7.50	34.31	33.07	210	127	Peak	VERTICAL
5	5518.78	99.47			90.73	7.50	34.31	33.07	210	127	Average	VERTICAL
6	5731.12	61.61	68.20	-6.59	52.93	7.38	34.44	33.14	210	127	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.36	64.10	74.00	-9.90	55.54	7.39	34.23	33.06	200	38	Peak	VERTICAL
2	5459.36	51.49	54.00	-2.51	42.93	7.39	34.23	33.06	200	38	Average	VERTICAL
3	5467.37	67.00	68.20	-1.20	58.39	7.42	34.25	33.06	200	38	Peak	VERTICAL
4	5581.96	101.32			92.45	7.61	34.35	33.09	200	38	Average	VERTICAL
5	5594.78	113.62			104.71	7.64	34.36	33.09	200	38	Peak	VERTICAL
6	5732.60	65.35	68.20	-2.85	56.67	7.38	34.44	33.14	200	38	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5723.21	108.04			99.35	7.38	34.44	33.13	224	56	Average	VERTICAL
2	5725.13	117.28			108.59	7.38	34.44	33.13	224	56	Peak	VERTICAL
3	5885.39	64.13	68.20	-4.07	55.08	7.70	34.53	33.18	224	56	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.97	105.66			96.93	7.44	34.42	33.13	220	54	Average	VERTICAL
2	5694.62	115.87			107.14	7.44	34.42	33.13	220	54	Peak	VERTICAL
3	5863.21	63.15	68.20	-5.05	54.20	7.61	34.52	33.18	220	54	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 22, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5681.19	113.73			104.96	7.48	34.41	33.12	196	52	Peak	VERTICAL
2	5686.80	101.52			92.75	7.48	34.41	33.12	196	52	Average	VERTICAL
3	5854.26	64.70	68.20	-3.50	55.84	7.52	34.51	33.17	196	52	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5316.00	119.48			111.22	7.31	34.01	33.06	180	47	Peak	VERTICAL
2	5316.80	107.84			99.58	7.31	34.01	33.06	180	47	Average	VERTICAL
3	5350.00	52.44	54.00	-1.56	44.14	7.30	34.06	33.06	180	47	Average	VERTICAL
4	5352.00	65.84	74.00	-8.16	57.54	7.30	34.06	33.06	180	47	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 100

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

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.40	105.15			96.42	7.44	34.42	33.13	173	229	Average	VERTICAL
2	5693.80	115.55			106.82	7.44	34.42	33.13	173	229	Peak	VERTICAL
3	5725.00	67.05	68.20	-1.15	58.36	7.38	34.44	33.13	173	229	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5256.40	105.50			97.31	7.34	33.91	33.06	180	347	Average	VERTICAL
2	5263.20	115.10			106.88	7.34	33.94	33.06	180	347	Peak	VERTICAL
3	5350.40	70.55	74.00	-3.45	62.25	7.30	34.06	33.06	180	347	Peak	VERTICAL
4	5350.40	52.85	54.00	-1.15	44.55	7.30	34.06	33.06	180	347	Average	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5316.80	109.60			101.34	7.31	34.01	33.06	181	45	Peak	VERTICAL
2	5320.80	99.28			91.02	7.31	34.01	33.06	181	45	Average	VERTICAL
3	5350.00	52.75	54.00	-1.25	44.45	7.30	34.06	33.06	181	45	Average	VERTICAL
4	5351.60	65.13	74.00	-8.87	56.83	7.30	34.06	33.06	181	45	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 102

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

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5666.80	113.32			104.52	7.51	34.40	33.11	189	135	Peak	VERTICAL
2	5685.20	102.06			93.29	7.48	34.41	33.12	189	135	Average	VERTICAL
3	5726.40	66.97	68.20	-1.23	58.29	7.38	34.44	33.14	189	135	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 58

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

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

Channel 106

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

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.00	66.26	74.00	-7.74	57.70	7.39	34.23	33.06	176	134	Peak	VERTICAL
2	5460.00	52.69	54.00	-1.31	44.13	7.39	34.23	33.06	176	134	Average	VERTICAL
3	5464.00	65.79	68.20	-2.41	57.18	7.42	34.25	33.06	176	134	Peak	VERTICAL
4	5580.00	103.03			94.16	7.61	34.35	33.09	176	134	Average	VERTICAL
5	5581.00	112.50			103.63	7.61	34.35	33.09	176	134	Peak	VERTICAL
6	5728.00	64.84	68.20	-3.36	56.16	7.38	34.44	33.14	176	134	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5717.00	116.86			108.15	7.41	34.43	33.13	196	235	Peak	VERTICAL
2	5726.60	106.94			98.26	7.38	34.44	33.14	196	235	Average	VERTICAL
3	5868.80	61.93	68.20	-6.27	52.98	7.61	34.52	33.18	196	235	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.60	103.96			95.23	7.44	34.42	33.13	173	119	Average	VERTICAL
2	5696.40	112.89			104.16	7.44	34.42	33.13	173	119	Peak	VERTICAL
3	5857.20	64.49	68.20	-3.71	55.53	7.61	34.52	33.17	173	119	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 21, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5718.00	112.01			103.30	7.41	34.43	33.13	196	226	Peak	VERTICAL
2	5721.00	102.69			93.98	7.41	34.43	33.13	196	226	Average	VERTICAL
3	5854.00	67.10	68.20	-1.10	58.24	7.52	34.51	33.17	196	226	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.00	104.71			95.53	8.23	34.01	33.06	183	168	Average	VERTICAL
2	5312.20	113.31			104.13	8.23	34.01	33.06	183	168	Peak	VERTICAL
3	5351.80	51.96	54.00	-2.04	42.76	8.20	34.06	33.06	183	168	Average	VERTICAL
4	5355.80	65.51	74.00	-8.49	56.30	8.19	34.08	33.06	183	168	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 100

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

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.20	61.57	74.00	-12.43	52.04	8.36	34.23	33.06	201	348	Peak	HORIZONTAL
2	5459.40	49.41	54.00	-4.59	39.88	8.36	34.23	33.06	201	348	Average	HORIZONTAL
3	5461.80	62.06	68.20	-6.14	52.53	8.36	34.23	33.06	201	348	Peak	HORIZONTAL
4	5587.20	114.00			103.99	8.75	34.35	33.09	201	348	Peak	HORIZONTAL
5	5587.20	103.82			93.81	8.75	34.35	33.09	201	348	Average	HORIZONTAL
6	5725.00	60.53	68.20	-7.67	50.75	8.47	34.44	33.13	201	348	Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5708.00	107.64			97.83	8.51	34.43	33.13	201	203	Peak	VERTICAL
2	5708.80	98.88			89.07	8.51	34.43	33.13	201	203	Average	VERTICAL
3	5725.00	67.04	68.20	-1.16	57.26	8.47	34.44	33.13	201	203	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 54

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

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.80	96.01			86.83	8.23	34.01	33.06	190	16	Average	VERTICAL
2	5313.20	106.05			96.87	8.23	34.01	33.06	190	16	Peak	VERTICAL
3	5350.00	52.90	54.00	-1.10	43.70	8.20	34.06	33.06	190	16	Average	VERTICAL
4	5350.40	66.12	74.00	-7.88	56.92	8.20	34.06	33.06	190	16	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 102

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

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5661.20	109.86			99.93	8.64	34.40	33.11	190	23	Peak	HORIZONTAL
2	5671.60	100.22			90.30	8.64	34.40	33.12	190	23	Average	HORIZONTAL
3	5726.40	67.16	68.20	-1.04	57.39	8.47	34.44	33.14	190	23	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 58

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

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

Channel 106

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

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

Channel 122

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	100.47			90.66	8.51	34.43	33.13	200	23	Average	HORIZONTAL
2	5723.60	110.37			100.59	8.47	34.44	33.13	200	23	Peak	HORIZONTAL
3	5856.60	62.11	68.20	-6.09	52.12	8.64	34.52	33.17	200	23	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.40	98.29			88.44	8.56	34.42	33.13	192	354	Average	HORIZONTAL
2	5702.80	108.95			99.10	8.56	34.42	33.13	192	354	Peak	HORIZONTAL
3	5858.00	62.12	68.20	-6.08	52.13	8.64	34.52	33.17	192	354	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.00	97.11			87.26	8.56	34.42	33.13	185	27	Average	HORIZONTAL
2	5708.00	107.07			97.26	8.51	34.43	33.13	185	27	Peak	HORIZONTAL
3	5861.00	63.76	68.20	-4.44	53.78	8.64	34.52	33.18	185	27	Peak	HORIZONTAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5328.00	111.71			102.52	8.22	34.03	33.06	173	80	Peak	HORIZONTAL
2	5328.00	103.26			94.07	8.22	34.03	33.06	173	80	Average	HORIZONTAL
3	5350.00	52.78	54.00	-1.22	43.58	8.20	34.06	33.06	173	80	Average	HORIZONTAL
4	5359.40	68.61	74.00	-5.39	59.40	8.19	34.08	33.06	173	80	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 100

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

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.80	109.25			99.44	8.51	34.43	33.13	197	23	Peak	HORIZONTAL
2	5708.60	100.46			90.65	8.51	34.43	33.13	197	23	Average	HORIZONTAL
3	5725.00	67.13	68.20	-1.07	57.35	8.47	34.44	33.13	197	23	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5275.60	104.22			95.08	8.26	33.94	33.06	170	174	Average	VERTICAL
2	5278.00	113.97			104.82	8.25	33.96	33.06	170	174	Peak	VERTICAL
3	5356.00	62.46	74.00	-11.54	53.25	8.19	34.08	33.06	170	174	Peak	VERTICAL
4	5366.40	49.90	54.00	-4.10	40.69	8.19	34.08	33.06	170	174	Average	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.00	90.00			80.82	8.23	34.01	33.06	184	311	Average	VERTICAL
2	5318.00	107.50			98.32	8.23	34.01	33.06	184	311	Peak	VERTICAL
3	5350.00	52.82	54.00	-1.18	43.62	8.20	34.06	33.06	184	311	Average	VERTICAL
4	5350.80	66.58	74.00	-7.42	57.38	8.20	34.06	33.06	184	311	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.60	65.06	74.00	-8.94	55.53	8.36	34.23	33.06	199	306	Peak	HORIZONTAL
2	5460.00	52.10	54.00	-1.90	42.57	8.36	34.23	33.06	199	306	Average	HORIZONTAL
3	5462.40	67.08	68.20	-1.12	57.55	8.36	34.23	33.06	199	306	Peak	HORIZONTAL
4	5492.40	110.26			100.58	8.46	34.28	33.06	199	306	Peak	HORIZONTAL
5	5492.80	100.62			90.94	8.46	34.28	33.06	199	306	Average	HORIZONTAL

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5687.60	108.33			98.44	8.60	34.41	33.12	161	69	Peak	HORIZONTAL
2	5687.60	99.41			89.52	8.60	34.41	33.12	161	69	Average	HORIZONTAL
3	5750.00	66.73	68.20	-1.47	56.99	8.43	34.45	33.14	161	69	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 58

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

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

Channel 106

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

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5451.00	63.25	74.00	-10.75	53.72	8.36	34.23	33.06	192	21	Peak	VERTICAL
2	5459.00	51.48	54.00	-2.52	41.95	8.36	34.23	33.06	192	21	Average	VERTICAL
3	5469.00	66.71	68.20	-1.49	57.11	8.41	34.25	33.06	192	21	Peak	VERTICAL
4	5598.00	108.55			98.49	8.80	34.36	33.10	192	21	Peak	VERTICAL
5	5600.00	99.45			89.39	8.80	34.36	33.10	192	21	Average	VERTICAL
6	5739.00	65.85	68.20	-2.35	56.11	8.43	34.45	33.14	192	21	Peak	VERTICAL

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5719.40	114.13			104.32	8.51	34.43	33.13	192	45	Peak	VERTICAL
2	5719.40	105.75			95.94	8.51	34.43	33.13	192	45	Average	VERTICAL
3	5859.20	61.64	68.20	-6.56	51.65	8.64	34.52	33.17	192	45	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.40	101.56			91.71	8.56	34.42	33.13	244	17	Average	VERTICAL
2	5702.00	111.01			101.16	8.56	34.42	33.13	244	17	Peak	VERTICAL
3	5868.40	63.13	68.20	-5.07	53.15	8.64	34.52	33.18	244	17	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.00	108.70			98.85	8.56	34.42	33.13	173	160	Peak	VERTICAL
2	5692.00	99.81			89.96	8.56	34.42	33.13	173	160	Average	VERTICAL
3	5874.00	62.06	68.20	-6.14	51.99	8.72	34.53	33.18	173	160	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 22, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5251.83	105.97			96.85	8.27	33.91	33.06	200	322	Average	VERTICAL
2	5253.27	115.52			106.40	8.27	33.91	33.06	200	322	Peak	VERTICAL
3	5350.39	47.72	54.00	-6.28	38.52	8.20	34.06	33.06	200	322	Average	VERTICAL
4	5351.92	59.56	74.00	-14.44	50.36	8.20	34.06	33.06	200	322	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.00	104.78			95.63	8.25	33.96	33.06	174	217	Average	HORIZONTAL
2	5292.40	113.68			104.53	8.25	33.96	33.06	174	217	Peak	HORIZONTAL
3	5358.00	63.37	74.00	-10.63	54.16	8.19	34.08	33.06	174	217	Peak	HORIZONTAL
4	5372.00	50.59	54.00	-3.41	41.36	8.18	34.11	33.06	174	217	Average	HORIZONTAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5327.60	114.66			105.47	8.22	34.03	33.06	174	73	Peak	HORIZONTAL
2	5328.00	105.50			96.31	8.22	34.03	33.06	174	73	Average	HORIZONTAL
3	5350.60	52.99	54.00	-1.01	43.79	8.20	34.06	33.06	174	73	Average	HORIZONTAL
4	5353.40	66.78	74.00	-7.22	57.58	8.20	34.06	33.06	174	73	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 22, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 100

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

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.20	102.27			92.42	8.56	34.42	33.13	176	277	Average	HORIZONTAL
2	5694.00	111.93			102.08	8.56	34.42	33.13	176	277	Peak	HORIZONTAL
3	5725.00	71.56	74.00	-2.44	61.78	8.47	34.44	33.13	176	277	Peak	HORIZONTAL
4	5725.00	52.77	54.00	-1.23	42.99	8.47	34.44	33.13	176	277	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 22, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5252.40	104.96			95.84	8.27	33.91	33.06	203	318	Average	VERTICAL
2	5255.60	114.70			105.58	8.27	33.91	33.06	203	318	Peak	VERTICAL
3	5350.00	52.43	54.00	-1.57	43.23	8.20	34.06	33.06	203	318	Average	VERTICAL
4	5350.40	68.66	74.00	-5.34	59.46	8.20	34.06	33.06	203	318	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5327.20	107.33			98.14	8.22	34.03	33.06	175	205	Peak	HORIZONTAL
2	5327.60	98.66			89.47	8.22	34.03	33.06	175	205	Average	HORIZONTAL
3	5350.00	52.94	54.00	-1.06	43.74	8.20	34.06	33.06	175	205	Average	HORIZONTAL
4	5361.60	65.11	74.00	-8.89	55.90	8.19	34.08	33.06	175	205	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 22, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 102

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

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5684.80	99.77			89.88	8.60	34.41	33.12	174	319	Average	HORIZONTAL
2	5686.80	109.10			99.21	8.60	34.41	33.12	174	319	Peak	HORIZONTAL
3	5732.00	52.98	54.00	-1.02	43.21	8.47	34.44	33.14	174	319	Average	HORIZONTAL
4	5734.80	67.62	74.00	-6.38	57.85	8.47	34.44	33.14	174	319	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 22, 2015 ~ Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 58

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

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

Channel 106

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

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

Channel 122

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 22, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5726.60	113.11			103.34	8.47	34.44	33.14	172	320	Peak	HORIZONTAL
2	5727.80	102.99			93.22	8.47	34.44	33.14	172	320	Average	HORIZONTAL
3	5851.80	62.50	68.20	-5.70	52.60	8.56	34.51	33.17	172	320	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 22, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.60	113.25			103.40	8.56	34.42	33.13	176	270	Peak	HORIZONTAL
2	5695.60	103.80			93.95	8.56	34.42	33.13	176	270	Average	HORIZONTAL
3	5857.20	63.56	68.20	-4.64	53.57	8.64	34.52	33.17	176	270	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 23, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5653.00	107.61			97.65	8.68	34.39	33.11	180	52	Peak	HORIZONTAL
2	5653.00	97.07			87.11	8.68	34.39	33.11	180	52	Average	HORIZONTAL
3	5854.00	65.12	68.20	-3.08	55.22	8.56	34.51	33.17	180	52	Peak	HORIZONTAL

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

Note:

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

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

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

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.00	117.46			108.28	8.23	34.01	33.06	219	350	Peak	VERTICAL
2	5313.00	106.53			97.35	8.23	34.01	33.06	219	350	Average	VERTICAL
3	5351.00	65.62	74.00	-8.38	56.42	8.20	34.06	33.06	219	350	Peak	VERTICAL
4	5351.40	52.73	54.00	-1.27	43.53	8.20	34.06	33.06	219	350	Average	VERTICAL

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

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

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.80	64.70	74.00	-9.30	55.17	8.36	34.23	33.06	210	360	Peak	VERTICAL
2	5459.60	51.19	54.00	-2.81	41.66	8.36	34.23	33.06	210	360	Average	VERTICAL
3	5460.80	67.15	68.20	-1.05	57.62	8.36	34.23	33.06	210	360	Peak	VERTICAL
4	5491.80	107.80			98.12	8.46	34.28	33.06	210	360	Average	VERTICAL
5	5492.00	116.33			106.65	8.46	34.28	33.06	210	360	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5427.20	62.92	74.00	-11.08	53.53	8.27	34.18	33.06	225	13	Peak	VERTICAL
2	5427.20	52.65	54.00	-1.35	43.26	8.27	34.18	33.06	225	13	Average	VERTICAL
3	5462.00	62.47	68.20	-5.73	52.94	8.36	34.23	33.06	225	13	Peak	VERTICAL
4	5587.20	117.38			107.37	8.75	34.35	33.09	225	13	Peak	VERTICAL
5	5587.20	107.49			97.48	8.75	34.35	33.09	225	13	Average	VERTICAL
6	5735.20	62.98	68.20	-5.22	53.21	8.47	34.44	33.14	225	13	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.00	113.81			103.96	8.56	34.42	33.13	219	1	Peak	VERTICAL
2	5698.60	103.36			93.51	8.56	34.42	33.13	219	1	Average	VERTICAL
3	5734.20	67.11	68.20	-1.09	57.34	8.47	34.44	33.14	219	1	Peak	VERTICAL

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

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

Channel 54

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

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5297.60	100.98			91.82	8.24	33.98	33.06	224	353	Average	VERTICAL
2	5299.20	112.05			102.89	8.24	33.98	33.06	224	353	Peak	VERTICAL
3	5350.00	52.84	54.00	-1.16	43.64	8.20	34.06	33.06	224	353	Average	VERTICAL
4	5357.20	66.91	74.00	-7.09	57.70	8.19	34.08	33.06	224	353	Peak	VERTICAL

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

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

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	52.31	54.00	-1.69	42.78	8.36	34.23	33.06	252	354	Average	VERTICAL
2	5458.40	66.39	74.00	-7.61	56.86	8.36	34.23	33.06	252	354	Peak	VERTICAL
3	5462.80	67.17	68.20	-1.03	57.64	8.36	34.23	33.06	252	354	Peak	VERTICAL
4	5496.00	112.81			103.06	8.51	34.30	33.06	252	354	Peak	VERTICAL
5	5521.60	101.76			91.96	8.56	34.31	33.07	252	354	Average	VERTICAL

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5677.60	102.06			92.17	8.60	34.41	33.12	248	341	Average	VERTICAL
2	5680.00	112.28			102.39	8.60	34.41	33.12	248	341	Peak	VERTICAL
3	5728.80	66.91	68.20	-1.29	57.14	8.47	34.44	33.14	248	341	Peak	VERTICAL

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

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

Channel 58

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

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

Channel 106

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

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.00	65.77	74.00	-8.23	56.24	8.36	34.23	33.06	217	17	Peak	VERTICAL
2	5459.00	51.94	54.00	-2.06	42.41	8.36	34.23	33.06	217	17	Average	VERTICAL
3	5466.00	65.49	68.20	-2.71	55.89	8.41	34.25	33.06	217	17	Peak	VERTICAL
4	5573.00	110.44			100.48	8.70	34.34	33.08	217	17	Peak	VERTICAL
5	5601.00	101.42			91.36	8.80	34.36	33.10	217	17	Average	VERTICAL
6	5738.00	67.00	68.20	-1.20	57.23	8.47	34.44	33.14	217	17	Peak	VERTICAL

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

Straddle Channel

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

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5726.60	114.49			104.72	8.47	34.44	33.14	228	351	Peak	VERTICAL
2	5726.60	105.70			95.93	8.47	34.44	33.14	228	351	Average	VERTICAL
3	5862.80	62.62	68.20	-5.58	52.64	8.64	34.52	33.18	228	351	Peak	VERTICAL

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

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

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.80	110.55			100.70	8.56	34.42	33.13	246	5	Peak	VERTICAL
2	5702.80	101.87			92.02	8.56	34.42	33.13	246	5	Average	VERTICAL
3	5877.20	64.55	68.20	-3.65	54.48	8.72	34.53	33.18	246	5	Peak	VERTICAL

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

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5673.00	99.79			89.90	8.60	34.41	33.12	247	3	Average	VERTICAL
2	5684.00	113.35			103.46	8.60	34.41	33.12	247	3	Peak	VERTICAL
3	5862.00	65.42	68.20	-2.78	55.44	8.64	34.52	33.18	247	3	Peak	VERTICAL

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

Note:

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

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

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

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.20	59.88	74.00	-14.12	51.04	8.15	33.74	33.05	257	63	Peak	VERTICAL
2	5150.00	47.47	54.00	-6.53	38.63	8.15	33.74	33.05	257	63	Average	VERTICAL
3	5252.20	105.80			96.68	8.27	33.91	33.06	257	63	Average	VERTICAL
4	5255.80	116.13			107.01	8.27	33.91	33.06	257	63	Peak	VERTICAL
5	5353.60	62.25	74.00	-11.75	53.05	8.20	34.06	33.06	257	63	Peak	VERTICAL
6	5359.60	48.96	54.00	-5.04	39.75	8.19	34.08	33.06	257	63	Average	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5300.00	116.74			107.58	8.24	33.98	33.06	255	54	Peak	VERTICAL
2	5302.00	106.51			97.35	8.24	33.98	33.06	255	54	Average	VERTICAL
3	5360.00	62.98	74.00	-11.02	53.77	8.19	34.08	33.06	255	54	Peak	VERTICAL
4	5381.20	50.27	54.00	-3.73	41.04	8.18	34.11	33.06	255	54	Average	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.00	106.20			97.02	8.23	34.01	33.06	254	44	Average	VERTICAL
2	5313.80	115.90			106.72	8.23	34.01	33.06	254	44	Peak	VERTICAL
3	5351.40	52.81	54.00	-1.19	43.61	8.20	34.06	33.06	254	44	Average	VERTICAL
4	5354.60	69.97	74.00	-4.03	60.76	8.19	34.08	33.06	254	44	Peak	VERTICAL

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

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

Channel 100

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

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.40	116.50			106.65	8.56	34.42	33.13	213	350	Peak	VERTICAL
2	5694.40	107.61			97.76	8.56	34.42	33.13	213	350	Average	VERTICAL
3	5727.20	66.62	68.20	-1.58	56.85	8.47	34.44	33.14	213	350	Peak	VERTICAL

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

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

Channel 54

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

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5308.40	100.98			91.80	8.23	34.01	33.06	182	0	Average	VERTICAL
2	5311.60	111.63			102.45	8.23	34.01	33.06	182	0	Peak	VERTICAL
3	5352.00	68.16	74.00	-5.84	58.96	8.20	34.06	33.06	182	0	Peak	VERTICAL
4	5354.00	52.89	54.00	-1.11	43.69	8.20	34.06	33.06	182	0	Average	VERTICAL

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

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

Channel 102

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

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5657.20	114.27			104.34	8.64	34.40	33.11	217	29	Peak	VERTICAL
2	5687.60	103.72			93.83	8.60	34.41	33.12	217	29	Average	VERTICAL
3	5725.00	66.93	68.20	-1.27	57.15	8.47	34.44	33.13	217	29	Peak	VERTICAL

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

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

Channel 58

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

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

Channel 106

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

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5453.00	66.20	74.00	-7.80	56.67	8.36	34.23	33.06	178	346	Peak	VERTICAL
2	5460.00	52.25	54.00	-1.75	42.72	8.36	34.23	33.06	178	346	Average	VERTICAL
3	5462.00	65.61	68.20	-2.59	56.08	8.36	34.23	33.06	178	346	Peak	VERTICAL
4	5593.00	116.74			106.67	8.80	34.36	33.09	178	346	Peak	VERTICAL
5	5619.00	102.24			92.21	8.76	34.37	33.10	178	346	Average	VERTICAL
6	5746.00	66.97	68.20	-1.23	57.23	8.43	34.45	33.14	178	346	Peak	VERTICAL

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

Straddle Channel

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

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5717.00	108.11			98.30	8.51	34.43	33.13	240	4	Average	VERTICAL
2	5717.60	118.18			108.37	8.51	34.43	33.13	240	4	Peak	VERTICAL
3	5858.00	62.32	68.20	-5.88	52.33	8.64	34.52	33.17	240	4	Peak	VERTICAL

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

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

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.00	114.69			104.84	8.56	34.42	33.13	218	319	Peak	VERTICAL
2	5727.60	105.51			95.74	8.47	34.44	33.14	218	319	Average	VERTICAL
3	5886.80	65.57	68.20	-2.63	55.50	8.72	34.53	33.18	218	319	Peak	VERTICAL

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

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5684.00	100.78			90.89	8.60	34.41	33.12	186	0	Average	VERTICAL
2	5686.00	109.94			100.05	8.60	34.41	33.12	186	0	Peak	VERTICAL
3	5851.00	66.74	68.20	-1.46	56.84	8.56	34.51	33.17	186	0	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.00	105.93			96.75	8.23	34.01	33.06	266	44	Average	VERTICAL
2	5313.20	117.03			107.85	8.23	34.01	33.06	266	44	Peak	VERTICAL
3	5350.00	52.88	54.00	-1.12	43.68	8.20	34.06	33.06	266	44	Average	VERTICAL
4	5353.40	66.68	74.00	-7.32	57.48	8.20	34.06	33.06	266	44	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 100

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

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5701.40	115.16			105.31	8.56	34.42	33.13	250	8	Peak	VERTICAL
2	5702.20	105.15			95.30	8.56	34.42	33.13	250	8	Average	VERTICAL
3	5725.00	52.98	54.00	-1.02	43.20	8.47	34.44	33.13	250	8	Average	VERTICAL
4	5726.40	68.57	74.00	-5.43	58.80	8.47	34.44	33.14	250	8	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 54

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

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.40	99.29			90.13	8.24	33.98	33.06	258	16	Average	VERTICAL
2	5304.80	112.09			102.93	8.24	33.98	33.06	258	16	Peak	VERTICAL
3	5350.00	52.92	54.00	-1.08	43.72	8.20	34.06	33.06	258	16	Average	VERTICAL
4	5350.80	65.08	74.00	-8.92	55.88	8.20	34.06	33.06	258	16	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 102

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

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5684.00	102.18			92.29	8.60	34.41	33.12	288	22	Average	VERTICAL
2	5684.40	112.68			102.79	8.60	34.41	33.12	288	22	Peak	VERTICAL
3	5725.00	52.57	54.00	-1.43	42.79	8.47	34.44	33.13	288	22	Average	VERTICAL
4	5725.60	67.00	74.00	-7.00	57.22	8.47	34.44	33.13	288	22	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 23, 2015 ~ Dec. 24, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 58

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

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

Channel 106

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

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

Channel 122

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	114.71			104.90	8.51	34.43	33.13	253	46	Peak	VERTICAL
2	5717.00	104.17			94.36	8.51	34.43	33.13	253	46	Average	VERTICAL
3	5856.20	61.90	68.20	-6.30	51.91	8.64	34.52	33.17	253	46	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 23, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.20	100.09			90.24	8.56	34.42	33.13	249	23	Peak	HORIZONTAL
2	5694.40	90.60			80.75	8.56	34.42	33.13	249	23	Average	HORIZONTAL
3	5858.20	61.09	68.20	-7.11	51.10	8.64	34.52	33.17	249	23	Peak	HORIZONTAL

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

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5658.00	114.77			104.84	8.64	34.40	33.11	256	10	Peak	VERTICAL
2	5702.00	99.88			90.03	8.56	34.42	33.13	256	10	Average	VERTICAL
3	5863.00	67.17	68.20	-1.03	57.19	8.64	34.52	33.18	256	10	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.00	112.02			102.84	8.23	34.01	33.06	237	11	Peak	HORIZONTAL
2	5312.80	102.83			93.65	8.23	34.01	33.06	237	11	Average	HORIZONTAL
3	5350.00	52.61	54.00	-1.39	43.41	8.20	34.06	33.06	237	11	Average	HORIZONTAL
4	5352.00	68.03	74.00	-5.97	58.83	8.20	34.06	33.06	237	11	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 100

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

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.40	109.78			99.97	8.51	34.43	33.13	227	360	Peak	HORIZONTAL
2	5708.20	100.03			90.22	8.51	34.43	33.13	227	360	Average	HORIZONTAL
3	5725.40	67.04	68.20	-1.16	57.26	8.47	34.44	33.13	227	360	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5264.40	102.19			93.05	8.26	33.94	33.06	214	353	Average	HORIZONTAL
2	5266.40	111.62			102.48	8.26	33.94	33.06	214	353	Peak	HORIZONTAL
3	5350.40	63.04	74.00	-10.96	53.84	8.20	34.06	33.06	214	353	Peak	HORIZONTAL
4	5358.80	50.66	54.00	-3.34	41.45	8.19	34.08	33.06	214	353	Average	HORIZONTAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5319.20	106.77			97.59	8.23	34.01	33.06	208	343	Peak	VERTICAL
2	5323.20	96.44			87.26	8.23	34.01	33.06	208	343	Average	VERTICAL
3	5350.00	52.99	54.00	-1.01	43.79	8.20	34.06	33.06	208	343	Average	VERTICAL
4	5351.60	66.44	74.00	-7.56	57.24	8.20	34.06	33.06	208	343	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 102

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

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5686.00	111.00			101.11	8.60	34.41	33.12	189	350	Peak	HORIZONTAL
2	5686.80	101.70			91.81	8.60	34.41	33.12	189	350	Average	HORIZONTAL
3	5747.60	66.76	68.20	-1.44	57.02	8.43	34.45	33.14	189	350	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 58

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

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

Channel 106

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

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

Channel 122

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5717.60	110.17			100.36	8.51	34.43	33.13	234	2	Peak	HORIZONTAL
2	5718.20	100.43			90.62	8.51	34.43	33.13	234	2	Average	HORIZONTAL
3	5861.00	63.10	68.20	-5.10	53.12	8.64	34.52	33.18	234	2	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.60	100.75			90.90	8.56	34.42	33.13	198	351	Average	HORIZONTAL
2	5696.40	109.89			100.04	8.56	34.42	33.13	198	351	Peak	HORIZONTAL
3	5854.00	63.30	68.20	-4.90	53.40	8.56	34.51	33.17	198	351	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5680.00	109.47			99.58	8.60	34.41	33.12	215	0	Peak	HORIZONTAL
2	5722.00	95.92			86.11	8.51	34.43	33.13	215	0	Average	HORIZONTAL
3	5852.00	64.09	68.20	-4.11	54.19	8.56	34.51	33.17	215	0	Peak	HORIZONTAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5318.60	113.45			104.27	8.23	34.01	33.06	235	27	Peak	HORIZONTAL
2	5322.80	103.26			94.08	8.23	34.01	33.06	235	27	Average	HORIZONTAL
3	5350.00	52.94	54.00	-1.06	43.74	8.20	34.06	33.06	235	27	Average	HORIZONTAL
4	5353.20	66.83	74.00	-7.17	57.63	8.20	34.06	33.06	235	27	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 100

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

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.40	110.81			100.96	8.56	34.42	33.13	250	5	Peak	HORIZONTAL
2	5703.60	98.59			88.74	8.56	34.42	33.13	250	5	Average	HORIZONTAL
3	5725.00	67.12	68.20	-1.08	57.34	8.47	34.44	33.13	250	5	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5267.20	100.55			91.41	8.26	33.94	33.06	260	355	Average	HORIZONTAL
2	5282.40	111.21			102.06	8.25	33.96	33.06	260	355	Peak	HORIZONTAL
3	5351.60	61.98	74.00	-12.02	52.78	8.20	34.06	33.06	260	355	Peak	HORIZONTAL
4	5352.00	50.55	54.00	-3.45	41.35	8.20	34.06	33.06	260	355	Average	HORIZONTAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5323.20	98.93			89.75	8.23	34.01	33.06	212	345	Average	VERTICAL
2	5324.40	108.64			99.45	8.22	34.03	33.06	212	345	Peak	VERTICAL
3	5350.80	52.97	54.00	-1.03	43.77	8.20	34.06	33.06	212	345	Average	VERTICAL
4	5352.80	64.19	74.00	-9.81	54.99	8.20	34.06	33.06	212	345	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 102

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

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5687.20	100.96			91.07	8.60	34.41	33.12	182	348	Average	VERTICAL
2	5687.60	110.11			100.22	8.60	34.41	33.12	182	348	Peak	VERTICAL
3	5750.40	67.12	68.20	-1.08	57.38	8.43	34.45	33.14	182	348	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 58

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

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

Channel 106

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

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

Channel 122

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.80	99.76			89.95	8.51	34.43	33.13	250	2	Average	HORIZONTAL
2	5720.80	111.60			101.79	8.51	34.43	33.13	250	2	Peak	HORIZONTAL
3	5873.20	63.34	68.20	-4.86	53.27	8.72	34.53	33.18	250	2	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5726.00	110.46			100.68	8.47	34.44	33.13	231	342	Peak	VERTICAL
2	5727.60	101.06			91.29	8.47	34.44	33.14	231	342	Average	VERTICAL
3	5884.40	63.59	68.20	-4.61	53.52	8.72	34.53	33.18	231	342	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5676.00	110.15			100.26	8.60	34.41	33.12	191	355	Peak	HORIZONTAL
2	5685.00	99.38			89.49	8.60	34.41	33.12	191	355	Average	HORIZONTAL
3	5857.00	65.05	68.20	-3.15	55.06	8.64	34.52	33.17	191	355	Peak	HORIZONTAL

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

Note:

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

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

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

Channel 52

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

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

Channel 60

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

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.60	100.28			91.10	8.23	34.01	33.06	259	19	Average	HORIZONTAL
2	5314.40	110.19			101.01	8.23	34.01	33.06	259	19	Peak	HORIZONTAL
3	5350.00	52.44	54.00	-1.56	43.24	8.20	34.06	33.06	259	19	Average	HORIZONTAL
4	5353.40	67.81	74.00	-6.19	58.61	8.20	34.06	33.06	259	19	Peak	HORIZONTAL

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

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

Channel 100

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

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

Channel 116

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

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.20	99.28			89.43	8.56	34.42	33.13	250	344	Average	HORIZONTAL
2	5699.00	111.79			101.94	8.56	34.42	33.13	250	344	Peak	HORIZONTAL
3	5725.60	67.19	68.20	-1.01	57.41	8.47	34.44	33.13	250	344	Peak	HORIZONTAL

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

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

Channel 54

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

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.40	95.17			86.01	8.24	33.98	33.06	263	7	Average	HORIZONTAL
2	5296.80	105.17			96.01	8.24	33.98	33.06	263	7	Peak	HORIZONTAL
3	5351.20	52.59	54.00	-1.41	43.39	8.20	34.06	33.06	263	7	Average	HORIZONTAL
4	5353.60	66.22	74.00	-7.78	57.02	8.20	34.06	33.06	263	7	Peak	HORIZONTAL

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

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

Channel 102

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

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

Channel 110

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

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5652.80	99.52			89.56	8.68	34.39	33.11	213	0	Average	VERTICAL
2	5656.80	108.97			99.04	8.64	34.40	33.11	213	0	Peak	VERTICAL
3	5725.60	52.57	54.00	-1.43	42.79	8.47	34.44	33.13	213	0	Average	VERTICAL
4	5727.20	66.79	74.00	-7.21	57.02	8.47	34.44	33.14	213	0	Peak	VERTICAL

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

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

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5103.00	48.09	54.00	-5.91	39.50	7.97	33.67	33.05	204	324	Average	VERTICAL
2	5146.00	59.54	74.00	-14.46	50.70	8.15	33.74	33.05	204	324	Peak	VERTICAL
3	5263.00	94.42			85.28	8.26	33.94	33.06	204	324	Average	VERTICAL
4	5270.00	104.51			95.37	8.26	33.94	33.06	204	324	Peak	VERTICAL
5	5356.00	52.88	54.00	-1.12	43.67	8.19	34.08	33.06	204	324	Average	VERTICAL
6	5358.00	64.36	74.00	-9.64	55.15	8.19	34.08	33.06	204	324	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	64.83	74.00	-9.17	55.30	8.36	34.23	33.06	210	340	Peak	VERTICAL
2	5460.00	52.72	54.00	-1.28	43.19	8.36	34.23	33.06	210	340	Average	VERTICAL
3	5466.00	64.44	68.20	-3.76	54.84	8.41	34.25	33.06	210	340	Peak	VERTICAL
4	5508.00	111.18			101.44	8.51	34.30	33.07	210	340	Peak	VERTICAL
5	5510.00	97.00			87.26	8.51	34.30	33.07	210	340	Average	VERTICAL
6	5736.00	61.33	68.20	-6.87	51.56	8.47	34.44	33.14	210	340	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.00	64.35	74.00	-9.65	54.82	8.36	34.23	33.06	272	345	Peak	HORIZONTAL
2	5460.00	51.66	54.00	-2.34	42.13	8.36	34.23	33.06	272	345	Average	HORIZONTAL
3	5468.00	64.84	68.20	-3.36	55.24	8.41	34.25	33.06	272	345	Peak	HORIZONTAL
4	5581.00	114.31			104.30	8.75	34.35	33.09	272	345	Peak	HORIZONTAL
5	5622.00	98.68			88.65	8.76	34.37	33.10	272	345	Average	HORIZONTAL
6	5727.00	67.12	68.20	-1.08	57.35	8.47	34.44	33.14	272	345	Peak	HORIZONTAL

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

Straddle Channel

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

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.40	111.80			102.02	8.47	34.44	33.13	251	348	Peak	HORIZONTAL
2	5727.20	101.62			91.85	8.47	34.44	33.14	251	348	Average	HORIZONTAL
3	5855.60	61.98	68.20	-6.22	52.08	8.56	34.51	33.17	251	348	Peak	HORIZONTAL

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

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

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5727.40	110.81			101.04	8.47	34.44	33.14	302	332	Peak	HORIZONTAL
2	5728.00	100.81			91.04	8.47	34.44	33.14	302	332	Average	HORIZONTAL
3	5850.00	61.53	68.20	-6.67	51.63	8.56	34.51	33.17	302	332	Peak	HORIZONTAL

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

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

Channel 138

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

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5116.60	60.24	74.00	-13.76	51.57	8.03	33.69	33.05	259	28	Peak	VERTICAL
2	5118.40	48.23	54.00	-5.77	39.56	8.03	33.69	33.05	259	28	Average	VERTICAL
3	5262.40	104.32			95.18	8.26	33.94	33.06	259	28	Average	VERTICAL
4	5266.00	114.24			105.10	8.26	33.94	33.06	259	28	Peak	VERTICAL
5	5350.00	49.85	54.00	-4.15	40.65	8.20	34.06	33.06	259	28	Average	VERTICAL
6	5401.60	61.61	74.00	-12.39	52.30	8.22	34.15	33.06	259	28	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5293.60	113.73			104.57	8.24	33.98	33.06	258	113	Peak	VERTICAL
2	5294.40	104.18			95.02	8.24	33.98	33.06	258	113	Average	VERTICAL
3	5358.40	50.25	54.00	-3.75	41.04	8.19	34.08	33.06	258	113	Average	VERTICAL
4	5377.20	62.15	74.00	-11.85	52.92	8.18	34.11	33.06	258	113	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5324.80	113.47			104.28	8.22	34.03	33.06	249	179	Peak	VERTICAL
2	5325.20	104.35			95.16	8.22	34.03	33.06	249	179	Average	VERTICAL
3	5350.80	51.63	54.00	-2.37	42.43	8.20	34.06	33.06	249	179	Average	VERTICAL
4	5353.20	65.38	74.00	-8.62	56.18	8.20	34.06	33.06	249	179	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5424.00	62.93	74.00	-11.07	53.54	8.27	34.18	33.06	221	52	Peak	VERTICAL
2	5426.00	50.86	54.00	-3.14	41.47	8.27	34.18	33.06	221	52	Average	VERTICAL
3	5466.40	63.63	68.20	-4.57	54.03	8.41	34.25	33.06	221	52	Peak	VERTICAL
4	5503.60	113.83			104.08	8.51	34.30	33.06	221	52	Peak	VERTICAL
5	5505.20	104.33			94.58	8.51	34.30	33.06	221	52	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5427.20	62.75	74.00	-11.25	53.36	8.27	34.18	33.06	287	96	Peak	VERTICAL
2	5427.20	51.70	54.00	-2.30	42.31	8.27	34.18	33.06	287	96	Average	VERTICAL
3	5466.00	61.69	68.20	-6.51	52.09	8.41	34.25	33.06	287	96	Peak	VERTICAL
4	5584.00	115.11			105.10	8.75	34.35	33.09	287	96	Peak	VERTICAL
5	5587.20	105.29			95.28	8.75	34.35	33.09	287	96	Average	VERTICAL
6	5748.80	61.69	68.20	-6.51	51.95	8.43	34.45	33.14	287	96	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.40	102.30			92.45	8.56	34.42	33.13	226	358	Average	VERTICAL
2	5693.60	112.39			102.54	8.56	34.42	33.13	226	358	Peak	VERTICAL
3	5725.60	66.89	68.20	-1.31	57.11	8.47	34.44	33.13	226	358	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5266.40	112.58			103.44	8.26	33.94	33.06	252	107	Peak	VERTICAL
2	5268.40	102.38			93.24	8.26	33.94	33.06	252	107	Average	VERTICAL
3	5350.00	49.94	54.00	-4.06	40.74	8.20	34.06	33.06	252	107	Average	VERTICAL
4	5354.80	61.84	74.00	-12.16	52.63	8.19	34.08	33.06	252	107	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.60	96.21			87.03	8.23	34.01	33.06	287	115	Average	VERTICAL
2	5316.80	106.85			97.67	8.23	34.01	33.06	287	115	Peak	VERTICAL
3	5350.00	52.45	54.00	-1.55	43.25	8.20	34.06	33.06	287	115	Average	VERTICAL
4	5350.40	64.89	74.00	-9.11	55.69	8.20	34.06	33.06	287	115	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.20	64.46	74.00	-9.54	54.93	8.36	34.23	33.06	220	306	Peak	VERTICAL
2	5457.20	50.74	54.00	-3.26	41.21	8.36	34.23	33.06	220	306	Average	VERTICAL
3	5465.20	66.78	68.20	-1.42	57.18	8.41	34.25	33.06	220	306	Peak	VERTICAL
4	5519.20	111.03			101.23	8.56	34.31	33.07	220	306	Peak	VERTICAL
5	5523.20	100.95			91.15	8.56	34.31	33.07	220	306	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.80	62.90	74.00	-11.10	53.37	8.36	34.23	33.06	266	100	Peak	VERTICAL
2	5457.20	50.57	54.00	-3.43	41.04	8.36	34.23	33.06	266	100	Average	VERTICAL
3	5461.20	62.56	68.20	-5.64	53.03	8.36	34.23	33.06	266	100	Peak	VERTICAL
4	5533.60	113.85			103.99	8.61	34.32	33.07	266	100	Peak	VERTICAL
5	5554.00	104.24			94.34	8.65	34.33	33.08	266	100	Average	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5678.00	99.92			90.03	8.60	34.41	33.12	214	0	Average	VERTICAL
2	5680.40	110.47			100.58	8.60	34.41	33.12	214	0	Peak	VERTICAL
3	5725.00	67.15	68.20	-1.05	57.37	8.47	34.44	33.13	214	0	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5045.00	47.55	54.00	-6.45	39.29	7.74	33.57	33.05	269	114	Average	VERTICAL
2	5046.00	59.81	74.00	-14.19	51.55	7.74	33.57	33.05	269	114	Peak	VERTICAL
3	5269.00	93.11			83.97	8.26	33.94	33.06	269	114	Average	VERTICAL
4	5270.00	103.27			94.13	8.26	33.94	33.06	269	114	Peak	VERTICAL
5	5352.00	52.81	54.00	-1.19	43.61	8.20	34.06	33.06	269	114	Average	VERTICAL
6	5354.00	64.51	74.00	-9.49	55.31	8.20	34.06	33.06	269	114	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.00	65.78	74.00	-8.22	56.25	8.36	34.23	33.06	253	164	Peak	VERTICAL
2	5460.00	52.97	54.00	-1.03	43.44	8.36	34.23	33.06	253	164	Average	VERTICAL
3	5467.00	67.19	68.20	-1.01	57.59	8.41	34.25	33.06	253	164	Peak	VERTICAL
4	5527.00	110.98			101.18	8.56	34.31	33.07	253	164	Peak	VERTICAL
5	5537.00	95.89			86.03	8.61	34.32	33.07	253	164	Average	VERTICAL
6	5780.00	61.90	68.20	-6.30	52.23	8.35	34.47	33.15	253	164	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	64.36	74.00	-9.64	54.83	8.36	34.23	33.06	242	100	Peak	VERTICAL
2	5458.00	51.05	54.00	-2.95	41.52	8.36	34.23	33.06	242	100	Average	VERTICAL
3	5466.00	64.35	68.20	-3.85	54.75	8.41	34.25	33.06	242	100	Peak	VERTICAL
4	5593.00	112.62			102.55	8.80	34.36	33.09	242	100	Peak	VERTICAL
5	5631.00	97.97			87.97	8.72	34.38	33.10	242	100	Average	VERTICAL
6	5728.00	63.82	68.20	-4.38	54.05	8.47	34.44	33.14	242	100	Peak	VERTICAL

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5727.80	110.52			100.75	8.47	34.44	33.14	253	103	Peak	VERTICAL
2	5728.40	101.83			92.06	8.47	34.44	33.14	253	103	Average	VERTICAL
3	5867.00	61.99	68.20	-6.21	52.01	8.64	34.52	33.18	253	103	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.00	108.51			98.66	8.56	34.42	33.13	233	359	Peak	VERTICAL
2	5694.80	99.09			89.24	8.56	34.42	33.13	233	359	Average	VERTICAL
3	5870.00	63.07	68.20	-5.13	53.09	8.64	34.52	33.18	233	359	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5675.00	111.20			101.31	8.60	34.41	33.12	237	360	Peak	VERTICAL
2	5685.00	98.91			89.02	8.60	34.41	33.12	237	360	Average	VERTICAL
3	5868.00	63.15	68.20	-5.05	53.17	8.64	34.52	33.18	237	360	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 25, 2015 ~ Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5137.60	60.15	74.00	-13.85	51.39	8.09	33.72	33.05	233	206	Peak	HORIZONTAL
2	5150.00	48.24	54.00	-5.76	39.40	8.15	33.74	33.05	233	206	Average	HORIZONTAL
3	5264.20	106.71			97.57	8.26	33.94	33.06	233	206	Peak	HORIZONTAL
4	5266.00	96.82			87.68	8.26	33.94	33.06	233	206	Average	HORIZONTAL
5	5370.40	50.19	54.00	-3.81	40.96	8.18	34.11	33.06	233	206	Average	HORIZONTAL
6	5393.80	62.70	74.00	-11.30	53.46	8.17	34.13	33.06	233	206	Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5293.20	107.66			98.50	8.24	33.98	33.06	241	158	Average	VERTICAL
2	5293.60	116.89			107.73	8.24	33.98	33.06	241	158	Peak	VERTICAL
3	5372.80	51.52	54.00	-2.48	42.29	8.18	34.11	33.06	241	158	Average	VERTICAL
4	5380.00	64.01	74.00	-9.99	54.78	8.18	34.11	33.06	241	158	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5325.60	105.47			96.28	8.22	34.03	33.06	219	174	Average	VERTICAL
2	5326.00	116.00			106.81	8.22	34.03	33.06	219	174	Peak	VERTICAL
3	5350.00	52.98	54.00	-1.02	43.78	8.20	34.06	33.06	219	174	Average	VERTICAL
4	5351.20	66.42	74.00	-7.58	57.22	8.20	34.06	33.06	219	174	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5421.20	52.61	54.00	-1.39	43.22	8.27	34.18	33.06	232	113	Average	VERTICAL
2	5421.60	64.99	74.00	-9.01	55.60	8.27	34.18	33.06	232	113	Peak	VERTICAL
3	5465.20	66.91	68.20	-1.29	57.31	8.41	34.25	33.06	232	113	Peak	VERTICAL
4	5496.80	108.32			98.57	8.51	34.30	33.06	232	113	Average	VERTICAL
5	5505.20	118.18			108.43	8.51	34.30	33.06	232	113	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5446.20	50.63	54.00	-3.37	41.17	8.32	34.20	33.06	229	115	Average	VERTICAL
2	5451.00	62.75	74.00	-11.25	53.22	8.36	34.23	33.06	229	115	Peak	VERTICAL
3	5468.80	61.12	68.20	-7.08	51.52	8.41	34.25	33.06	229	115	Peak	VERTICAL
4	5572.80	109.31			99.35	8.70	34.34	33.08	229	115	Average	VERTICAL
5	5574.60	119.06			109.10	8.70	34.34	33.08	229	115	Peak	VERTICAL
6	5726.40	62.64	68.20	-5.56	52.87	8.47	34.44	33.14	229	115	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.60	104.01			94.16	8.56	34.42	33.13	236	162	Average	VERTICAL
2	5707.00	114.99			105.18	8.51	34.43	33.13	236	162	Peak	VERTICAL
3	5726.80	67.09	68.20	-1.11	57.32	8.47	34.44	33.14	236	162	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5260.40	115.05			105.93	8.27	33.91	33.06	228	165	Peak	VERTICAL
2	5264.00	104.82			95.68	8.26	33.94	33.06	228	165	Average	VERTICAL
3	5350.40	51.20	54.00	-2.80	42.00	8.20	34.06	33.06	228	165	Average	VERTICAL
4	5354.40	64.00	74.00	-10.00	54.79	8.19	34.08	33.06	228	165	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.80	97.08			87.92	8.24	33.98	33.06	228	158	Average	VERTICAL
2	5294.80	107.28			98.12	8.24	33.98	33.06	228	158	Peak	VERTICAL
3	5350.00	52.99	54.00	-1.01	43.79	8.20	34.06	33.06	228	158	Average	VERTICAL
4	5353.60	65.16	74.00	-8.84	55.96	8.20	34.06	33.06	228	158	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5445.20	64.71	74.00	-9.29	55.25	8.32	34.20	33.06	232	350	Peak	VERTICAL
2	5458.40	52.29	54.00	-1.71	42.76	8.36	34.23	33.06	232	350	Average	VERTICAL
3	5465.60	66.93	68.20	-1.27	57.33	8.41	34.25	33.06	232	350	Peak	VERTICAL
4	5526.40	114.45			104.65	8.56	34.31	33.07	232	350	Peak	VERTICAL
5	5527.60	104.42			94.56	8.61	34.32	33.07	232	350	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.20	64.56	74.00	-9.44	55.03	8.36	34.23	33.06	241	115	Peak	VERTICAL
2	5460.00	52.07	54.00	-1.93	42.54	8.36	34.23	33.06	241	115	Average	VERTICAL
3	5466.00	65.40	68.20	-2.80	55.80	8.41	34.25	33.06	241	115	Peak	VERTICAL
4	5552.00	109.43			99.53	8.65	34.33	33.08	241	115	Average	VERTICAL
5	5553.60	119.49			109.59	8.65	34.33	33.08	241	115	Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5652.80	101.72			91.76	8.68	34.39	33.11	229	167	Average	VERTICAL
2	5654.40	112.13			102.17	8.68	34.39	33.11	229	167	Peak	VERTICAL
3	5727.60	67.19	68.20	-1.01	57.42	8.47	34.44	33.14	229	167	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5075.00	48.59	54.00	-5.41	40.16	7.86	33.62	33.05	230	168	Average	VERTICAL
2	5143.00	60.48	74.00	-13.52	51.64	8.15	33.74	33.05	230	168	Peak	VERTICAL
3	5257.00	108.58			99.46	8.27	33.91	33.06	230	168	Peak	VERTICAL
4	5261.00	95.92			86.80	8.27	33.91	33.06	230	168	Average	VERTICAL
5	5351.00	52.84	54.00	-1.16	43.64	8.20	34.06	33.06	230	168	Average	VERTICAL
6	5356.00	64.90	74.00	-9.10	55.69	8.19	34.08	33.06	230	168	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	52.99	54.00	-1.01	43.46	8.36	34.23	33.06	228	115	Average	VERTICAL
2	5460.00	66.04	74.00	-7.96	56.51	8.36	34.23	33.06	228	115	Peak	VERTICAL
3	5463.00	65.43	68.20	-2.77	55.90	8.36	34.23	33.06	228	115	Peak	VERTICAL
4	5500.00	110.43			100.68	8.51	34.30	33.06	228	115	Peak	VERTICAL
5	5519.00	99.73			89.93	8.56	34.31	33.07	228	115	Average	VERTICAL
6	5768.00	62.69	68.20	-5.51	52.99	8.39	34.46	33.15	228	115	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	52.49	54.00	-1.51	42.96	8.36	34.23	33.06	251	116	Average	VERTICAL
2	5460.00	65.60	74.00	-8.40	56.07	8.36	34.23	33.06	251	116	Peak	VERTICAL
3	5470.00	65.33	68.20	-2.87	55.73	8.41	34.25	33.06	251	116	Peak	VERTICAL
4	5580.00	102.48			92.47	8.75	34.35	33.09	251	116	Average	VERTICAL
5	5582.00	114.93			104.92	8.75	34.35	33.09	251	116	Peak	VERTICAL
6	5727.00	67.15	68.20	-1.05	57.38	8.47	34.44	33.14	251	116	Peak	VERTICAL

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5721.60	116.04			106.23	8.51	34.43	33.13	229	114	Peak	VERTICAL
2	5727.20	105.81			96.04	8.47	34.44	33.14	229	114	Average	VERTICAL
3	5874.40	65.02	68.20	-3.18	54.95	8.72	34.53	33.18	229	114	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5725.20	113.14			103.36	8.47	34.44	33.13	228	102	Peak	VERTICAL
2	5726.80	102.41			92.64	8.47	34.44	33.14	228	102	Average	VERTICAL
3	5854.80	64.35	68.20	-3.85	54.45	8.56	34.51	33.17	228	102	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 26, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5703.00	99.52			89.67	8.56	34.42	33.13	230	165	Average	VERTICAL
2	5704.00	108.85			99.00	8.56	34.42	33.13	230	165	Peak	VERTICAL
3	5859.00	66.38	68.20	-1.82	56.39	8.64	34.52	33.17	230	165	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 25, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.60	60.57	74.00	-13.43	51.73	8.15	33.74	33.05	250	348	Peak	VERTICAL
2	5149.60	48.57	54.00	-5.43	39.73	8.15	33.74	33.05	250	348	Average	VERTICAL
3	5254.60	116.91			107.79	8.27	33.91	33.06	250	348	Peak	VERTICAL
4	5254.60	105.96			96.84	8.27	33.91	33.06	250	348	Average	VERTICAL
5	5363.80	62.79	74.00	-11.21	53.58	8.19	34.08	33.06	250	348	Peak	VERTICAL
6	5364.40	50.02	54.00	-3.98	40.81	8.19	34.08	33.06	250	348	Average	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5305.20	116.17			107.01	8.24	33.98	33.06	260	90	Peak	VERTICAL
2	5306.00	106.53			97.37	8.24	33.98	33.06	260	90	Average	VERTICAL
3	5358.40	50.43	54.00	-3.57	41.22	8.19	34.08	33.06	260	90	Average	VERTICAL
4	5383.60	62.27	74.00	-11.73	53.04	8.18	34.11	33.06	260	90	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5326.20	105.61			96.42	8.22	34.03	33.06	274	175	Average	VERTICAL
2	5326.80	115.66			106.47	8.22	34.03	33.06	274	175	Peak	VERTICAL
3	5350.00	52.93	54.00	-1.07	43.73	8.20	34.06	33.06	274	175	Average	VERTICAL
4	5351.80	66.81	74.00	-7.19	57.61	8.20	34.06	33.06	274	175	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 25, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5422.80	64.52	74.00	-9.48	55.13	8.27	34.18	33.06	253	344	Peak	VERTICAL
2	5424.80	52.93	54.00	-1.07	43.54	8.27	34.18	33.06	253	344	Average	VERTICAL
3	5469.60	65.45	68.20	-2.75	55.85	8.41	34.25	33.06	253	344	Peak	VERTICAL
4	5504.40	118.80			109.05	8.51	34.30	33.06	253	344	Peak	VERTICAL
5	5505.60	109.17			99.43	8.51	34.30	33.07	253	344	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.20	50.88	54.00	-3.12	41.35	8.36	34.23	33.06	254	115	Average	VERTICAL
2	5455.80	63.11	74.00	-10.89	53.58	8.36	34.23	33.06	254	115	Peak	VERTICAL
3	5469.40	63.13	68.20	-5.07	53.53	8.41	34.25	33.06	254	115	Peak	VERTICAL
4	5572.20	109.41			99.45	8.70	34.34	33.08	254	115	Average	VERTICAL
5	5574.60	118.93			108.97	8.70	34.34	33.08	254	115	Peak	VERTICAL
6	5729.40	62.18	68.20	-6.02	52.41	8.47	34.44	33.14	254	115	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.20	103.17			93.32	8.56	34.42	33.13	253	183	Average	VERTICAL
2	5692.80	112.89			103.04	8.56	34.42	33.13	253	183	Peak	VERTICAL
3	5731.40	66.84	68.20	-1.36	57.07	8.47	34.44	33.14	253	183	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 25, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5256.40	104.48			95.36	8.27	33.91	33.06	277	120	Average	VERTICAL
2	5257.20	114.25			105.13	8.27	33.91	33.06	277	120	Peak	VERTICAL
3	5350.40	50.75	54.00	-3.25	41.55	8.20	34.06	33.06	277	120	Average	VERTICAL
4	5362.80	63.59	74.00	-10.41	54.38	8.19	34.08	33.06	277	120	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5317.20	97.04			87.86	8.23	34.01	33.06	253	114	Average	VERTICAL
2	5317.60	106.45			97.27	8.23	34.01	33.06	253	114	Peak	VERTICAL
3	5350.00	52.69	54.00	-1.31	43.49	8.20	34.06	33.06	253	114	Average	VERTICAL
4	5355.20	64.95	74.00	-9.05	55.74	8.19	34.08	33.06	253	114	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 25, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	52.20	54.00	-1.80	42.67	8.36	34.23	33.06	254	347	Average	VERTICAL
2	5459.20	64.91	74.00	-9.09	55.38	8.36	34.23	33.06	254	347	Peak	VERTICAL
3	5465.20	66.91	68.20	-1.29	57.31	8.41	34.25	33.06	254	347	Peak	VERTICAL
4	5526.00	105.37			95.57	8.56	34.31	33.07	254	347	Average	VERTICAL
5	5526.40	115.28			105.48	8.56	34.31	33.07	254	347	Peak	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.00	63.49	74.00	-10.51	53.96	8.36	34.23	33.06	290	95	Peak	VERTICAL
2	5458.80	51.09	54.00	-2.91	41.56	8.36	34.23	33.06	290	95	Average	VERTICAL
3	5469.20	63.44	68.20	-4.76	53.84	8.41	34.25	33.06	290	95	Peak	VERTICAL
4	5536.40	117.17			107.31	8.61	34.32	33.07	290	95	Peak	VERTICAL
5	5557.60	107.13			97.23	8.65	34.33	33.08	290	95	Average	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5652.80	102.16			92.20	8.68	34.39	33.11	250	123	Average	VERTICAL
2	5661.20	112.37			102.44	8.64	34.40	33.11	250	123	Peak	VERTICAL
3	5728.40	66.81	68.20	-1.39	57.04	8.47	34.44	33.14	250	123	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 25, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.00	61.50	74.00	-12.50	52.66	8.15	33.74	33.05	258	166	Peak	VERTICAL
2	5150.00	48.99	54.00	-5.01	40.15	8.15	33.74	33.05	258	166	Average	VERTICAL
3	5262.00	106.95			97.83	8.27	33.91	33.06	258	166	Peak	VERTICAL
4	5262.00	96.98			87.86	8.27	33.91	33.06	258	166	Average	VERTICAL
5	5350.00	65.14	74.00	-8.86	55.94	8.20	34.06	33.06	258	166	Peak	VERTICAL
6	5351.00	52.99	54.00	-1.01	43.79	8.20	34.06	33.06	258	166	Average	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5435.00	66.90	74.00	-7.10	57.44	8.32	34.20	33.06	267	116	Peak	VERTICAL
2	5447.00	52.98	54.00	-1.02	43.52	8.32	34.20	33.06	267	116	Average	VERTICAL
3	5470.00	66.78	68.20	-1.42	57.18	8.41	34.25	33.06	267	116	Peak	VERTICAL
4	5559.00	109.00			99.10	8.65	34.33	33.08	267	116	Peak	VERTICAL
5	5561.00	98.44			88.48	8.70	34.34	33.08	267	116	Average	VERTICAL
6	5756.00	62.75	68.20	-5.45	53.04	8.39	34.46	33.14	267	116	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5449.00	67.12	74.00	-6.88	57.59	8.36	34.23	33.06	254	120	Peak	VERTICAL
2	5460.00	52.85	54.00	-1.15	43.32	8.36	34.23	33.06	254	120	Average	VERTICAL
3	5468.00	66.08	68.20	-2.12	56.48	8.41	34.25	33.06	254	120	Peak	VERTICAL
4	5578.00	113.10			103.08	8.75	34.35	33.08	254	120	Peak	VERTICAL
5	5581.00	102.49			92.48	8.75	34.35	33.09	254	120	Average	VERTICAL
6	5735.00	67.15	68.20	-1.05	57.38	8.47	34.44	33.14	254	120	Peak	VERTICAL

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 25, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5725.40	92.36			82.58	8.47	34.44	33.13	277	305	Average	HORIZONTAL
2	5726.60	101.86			92.09	8.47	34.44	33.14	277	305	Peak	HORIZONTAL
3	5862.20	62.48	68.20	-5.72	52.50	8.64	34.52	33.18	277	305	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 25, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.80	113.98			104.20	8.47	34.44	33.13	246	103	Peak	VERTICAL
2	5722.80	104.27			94.49	8.47	34.44	33.13	246	103	Average	VERTICAL
3	5882.80	66.83	68.20	-1.37	56.76	8.72	34.53	33.18	246	103	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 25, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5725.00	108.30			98.52	8.47	34.44	33.13	250	103	Peak	VERTICAL
2	5727.00	98.83			89.06	8.47	34.44	33.14	250	103	Average	VERTICAL
3	5868.00	66.87	68.20	-1.33	56.89	8.64	34.52	33.18	250	103	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5087.20	48.10	54.00	-5.90	39.58	7.92	33.65	33.05	253	130	Average	VERTICAL
2	5103.20	61.70	74.00	-12.30	53.11	7.97	33.67	33.05	253	130	Peak	VERTICAL
3	5261.60	112.31			103.19	8.27	33.91	33.06	253	130	Peak	VERTICAL
4	5263.20	103.15			94.01	8.26	33.94	33.06	253	130	Average	VERTICAL
5	5350.00	49.67	54.00	-4.33	40.47	8.20	34.06	33.06	253	130	Average	VERTICAL
6	5371.20	62.50	74.00	-11.50	53.27	8.18	34.11	33.06	253	130	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.40	102.91			93.75	8.24	33.98	33.06	293	354	Average	VERTICAL
2	5305.60	112.49			103.33	8.24	33.98	33.06	293	354	Peak	VERTICAL
3	5350.00	50.04	54.00	-3.96	40.84	8.20	34.06	33.06	293	354	Average	VERTICAL
4	5356.00	62.15	74.00	-11.85	52.94	8.19	34.08	33.06	293	354	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5314.00	103.47			94.29	8.23	34.01	33.06	300	356	Average	VERTICAL
2	5317.20	113.71			104.53	8.23	34.01	33.06	300	356	Peak	VERTICAL
3	5350.80	52.74	54.00	-1.26	43.54	8.20	34.06	33.06	300	356	Average	VERTICAL
4	5354.80	66.59	74.00	-7.41	57.38	8.19	34.08	33.06	300	356	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Dec. 21, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.40	64.87	74.00	-9.13	56.31	7.39	34.23	33.06	266	360	Peak	VERTICAL
2	5460.00	52.37	54.00	-1.63	43.81	7.39	34.23	33.06	266	360	Average	VERTICAL
3	5468.20	67.15	68.20	-1.05	58.54	7.42	34.25	33.06	266	360	Peak	VERTICAL
4	5494.40	108.29			99.62	7.45	34.28	33.06	266	360	Average	VERTICAL
5	5496.20	118.23			109.52	7.47	34.30	33.06	266	360	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5434.20	62.47	74.00	-11.53	53.97	7.36	34.20	33.06	253	343	Peak	VERTICAL
2	5458.20	49.87	54.00	-4.13	41.31	7.39	34.23	33.06	253	343	Average	VERTICAL
3	5467.00	61.86	68.20	-6.34	53.25	7.42	34.25	33.06	253	343	Peak	VERTICAL
4	5583.60	118.26			109.39	7.61	34.35	33.09	253	343	Peak	VERTICAL
5	5583.60	108.95			100.08	7.61	34.35	33.09	253	343	Average	VERTICAL
6	5725.00	63.32	68.20	-4.88	54.63	7.38	34.44	33.13	253	343	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.80	115.88			107.17	7.41	34.43	33.13	266	92	Peak	VERTICAL
2	5706.00	105.29			96.58	7.41	34.43	33.13	266	92	Average	VERTICAL
3	5725.20	67.04	68.20	-1.16	58.35	7.38	34.44	33.13	266	92	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Dec. 21, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5274.00	105.36			96.22	8.26	33.94	33.06	276	75	Average	VERTICAL
2	5275.20	115.84			106.70	8.26	33.94	33.06	276	75	Peak	VERTICAL
3	5351.60	51.81	54.00	-2.19	42.61	8.20	34.06	33.06	276	75	Average	VERTICAL
4	5357.20	63.18	74.00	-10.82	53.97	8.19	34.08	33.06	276	75	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5305.60	98.75			90.51	7.32	33.98	33.06	250	2	Average	VERTICAL
2	5316.40	107.83			99.57	7.31	34.01	33.06	250	2	Peak	VERTICAL
3	5350.00	52.83	54.00	-1.17	44.53	7.30	34.06	33.06	250	2	Average	VERTICAL
4	5350.80	64.23	74.00	-9.77	55.93	7.30	34.06	33.06	250	2	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Dec. 21, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	52.94	54.00	-1.06	44.38	7.39	34.23	33.06	306	360	Average	VERTICAL
2	5458.40	64.78	74.00	-9.22	56.22	7.39	34.23	33.06	306	360	Peak	VERTICAL
3	5465.60	67.16	68.20	-1.04	58.55	7.42	34.25	33.06	306	360	Peak	VERTICAL
4	5495.60	112.97			104.26	7.47	34.30	33.06	306	360	Peak	VERTICAL
5	5526.80	103.10			94.36	7.50	34.31	33.07	306	360	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.40	64.21	74.00	-9.79	55.65	7.39	34.23	33.06	257	64	Peak	VERTICAL
2	5459.60	52.70	54.00	-1.30	44.14	7.39	34.23	33.06	257	64	Average	VERTICAL
3	5468.40	64.87	68.20	-3.33	56.26	7.42	34.25	33.06	257	64	Peak	VERTICAL
4	5553.60	117.50			108.69	7.56	34.33	33.08	257	64	Peak	VERTICAL
5	5554.40	107.76			98.95	7.56	34.33	33.08	257	64	Average	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5680.40	113.56			104.79	7.48	34.41	33.12	251	346	Peak	VERTICAL
2	5683.20	103.59			94.82	7.48	34.41	33.12	251	346	Average	VERTICAL
3	5738.80	67.18	68.20	-1.02	58.52	7.35	34.45	33.14	251	346	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Dec. 21, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5082.00	57.54	74.00	-16.46	50.00	6.97	33.62	33.05	267	360	Peak	VERTICAL
2	5150.00	45.04	54.00	-8.96	37.13	7.22	33.74	33.05	267	360	Average	VERTICAL
3	5307.00	103.48			95.24	7.32	33.98	33.06	267	360	Peak	VERTICAL
4	5307.00	92.75			84.51	7.32	33.98	33.06	267	360	Average	VERTICAL
5	5350.00	52.35	54.00	-1.65	44.05	7.30	34.06	33.06	267	360	Average	VERTICAL
6	5354.00	63.69	74.00	-10.31	55.39	7.30	34.06	33.06	267	360	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.00	66.47	74.00	-7.53	57.91	7.39	34.23	33.06	293	64	Peak	VERTICAL
2	5460.00	52.73	54.00	-1.27	44.17	7.39	34.23	33.06	293	64	Average	VERTICAL
3	5467.00	66.19	68.20	-2.01	57.58	7.42	34.25	33.06	293	64	Peak	VERTICAL
4	5517.00	113.42			104.68	7.50	34.31	33.07	293	64	Peak	VERTICAL
5	5542.00	99.26			90.49	7.53	34.32	33.08	293	64	Average	VERTICAL
6	5768.00	61.32	68.20	-6.88	52.69	7.32	34.46	33.15	293	64	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.00	63.73	74.00	-10.27	55.17	7.39	34.23	33.06	249	353	Peak	VERTICAL
2	5457.00	50.74	54.00	-3.26	42.18	7.39	34.23	33.06	249	353	Average	VERTICAL
3	5469.00	64.21	68.20	-3.99	55.60	7.42	34.25	33.06	249	353	Peak	VERTICAL
4	5605.00	114.48			105.58	7.64	34.36	33.10	249	353	Peak	VERTICAL
5	5637.00	102.63			93.79	7.57	34.38	33.11	249	353	Average	VERTICAL
6	5730.00	66.87	68.20	-1.33	58.19	7.38	34.44	33.14	249	353	Peak	VERTICAL

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Dec. 21, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.60	107.88			99.17	7.41	34.43	33.13	279	97	Average	VERTICAL
2	5716.40	117.86			109.15	7.41	34.43	33.13	279	97	Peak	VERTICAL
3	5869.40	61.42	68.20	-6.78	52.47	7.61	34.52	33.18	279	97	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Dec. 21, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.40	106.59			97.86	7.44	34.42	33.13	237	346	Average	VERTICAL
2	5693.20	116.52			107.79	7.44	34.42	33.13	237	346	Peak	VERTICAL
3	5857.20	64.06	68.20	-4.14	55.10	7.61	34.52	33.17	237	346	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Dec. 21, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5674.00	114.04			105.27	7.48	34.41	33.12	310	95	Peak	VERTICAL
2	5720.00	102.43			93.72	7.41	34.43	33.13	310	95	Average	VERTICAL
3	5861.00	67.04	68.20	-1.16	58.09	7.61	34.52	33.18	310	95	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5130.80	60.16	74.00	-13.84	51.40	8.09	33.72	33.05	259	73	Peak	VERTICAL
2	5150.00	48.71	54.00	-5.29	39.87	8.15	33.74	33.05	259	73	Average	VERTICAL
3	5262.40	117.11			107.97	8.26	33.94	33.06	259	73	Peak	VERTICAL
4	5267.20	107.34			98.20	8.26	33.94	33.06	259	73	Average	VERTICAL
5	5363.80	50.33	54.00	-3.67	41.12	8.19	34.08	33.06	259	73	Average	VERTICAL
6	5381.20	62.53	74.00	-11.47	53.30	8.18	34.11	33.06	259	73	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5308.00	116.51			107.33	8.23	34.01	33.06	249	349	Peak	VERTICAL
2	5308.00	107.85			98.67	8.23	34.01	33.06	249	349	Average	VERTICAL
3	5372.80	51.95	54.00	-2.05	42.72	8.18	34.11	33.06	249	349	Average	VERTICAL
4	5373.60	64.56	74.00	-9.44	55.33	8.18	34.11	33.06	249	349	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5326.00	115.62			106.43	8.22	34.03	33.06	277	350	Peak	VERTICAL
2	5328.00	105.74			96.55	8.22	34.03	33.06	277	350	Average	VERTICAL
3	5350.00	52.80	54.00	-1.20	43.60	8.20	34.06	33.06	277	350	Average	VERTICAL
4	5352.80	65.53	74.00	-8.47	56.33	8.20	34.06	33.06	277	350	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5420.80	65.22	74.00	-8.78	55.83	8.27	34.18	33.06	249	351	Peak	VERTICAL
2	5425.20	52.81	54.00	-1.19	43.42	8.27	34.18	33.06	249	351	Average	VERTICAL
3	5468.00	65.11	74.00	-8.89	55.51	8.41	34.25	33.06	249	351	Peak	VERTICAL
4	5470.00	52.89	54.00	-1.11	43.29	8.41	34.25	33.06	249	351	Average	VERTICAL
5	5494.00	106.49			96.81	8.46	34.28	33.06	249	351	Average	VERTICAL
6	5494.80	116.31			106.63	8.46	34.28	33.06	249	351	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.80	61.94	74.00	-12.06	52.41	8.36	34.23	33.06	286	360	Peak	VERTICAL
2	5460.00	49.92	54.00	-4.08	40.39	8.36	34.23	33.06	286	360	Average	VERTICAL
3	5468.80	61.97	74.00	-12.03	52.37	8.41	34.25	33.06	286	360	Peak	VERTICAL
4	5470.00	50.09	54.00	-3.91	40.49	8.41	34.25	33.06	286	360	Average	VERTICAL
5	5576.40	117.30			107.28	8.75	34.35	33.08	286	360	Peak	VERTICAL
6	5586.00	106.96			96.95	8.75	34.35	33.09	286	360	Average	VERTICAL
7	5725.00	49.33	54.00	-4.67	39.55	8.47	34.44	33.13	286	360	Average	VERTICAL
8	5728.20	61.06	74.00	-12.94	51.29	8.47	34.44	33.14	286	360	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.40	113.74			103.89	8.56	34.42	33.13	281	4	Peak	VERTICAL
2	5705.60	103.99			94.14	8.56	34.42	33.13	281	4	Average	VERTICAL
3	5725.00	52.95	54.00	-1.05	43.17	8.47	34.44	33.13	281	4	Average	VERTICAL
4	5726.00	65.36	74.00	-8.64	55.58	8.47	34.44	33.13	281	4	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5256.00	104.12			95.00	8.27	33.91	33.06	298	2	Average	VERTICAL
2	5261.00	114.11			104.99	8.27	33.91	33.06	298	2	Peak	VERTICAL
3	5353.00	65.08	74.00	-8.92	55.88	8.20	34.06	33.06	298	2	Peak	VERTICAL
4	5416.00	51.76	54.00	-2.24	42.45	8.22	34.15	33.06	298	2	Average	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.40	98.47			89.31	8.24	33.98	33.06	295	355	Average	VERTICAL
2	5307.20	108.80			99.64	8.24	33.98	33.06	295	355	Peak	VERTICAL
3	5350.00	52.79	54.00	-1.21	43.59	8.20	34.06	33.06	295	355	Average	VERTICAL
4	5356.80	65.61	74.00	-8.39	56.40	8.19	34.08	33.06	295	355	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.80	65.45	74.00	-8.55	55.92	8.36	34.23	33.06	250	351	Peak	VERTICAL
2	5458.00	52.80	54.00	-1.20	43.27	8.36	34.23	33.06	250	351	Average	VERTICAL
3	5464.80	68.18	74.00	-5.82	58.58	8.41	34.25	33.06	250	351	Peak	VERTICAL
4	5470.00	52.85	54.00	-1.15	43.25	8.41	34.25	33.06	250	351	Average	VERTICAL
5	5494.40	101.93			92.25	8.46	34.28	33.06	250	351	Average	VERTICAL
6	5506.00	113.15			103.41	8.51	34.30	33.07	250	351	Peak	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5404.00	52.90	54.00	-1.10	43.59	8.22	34.15	33.06	263	358	Average	VERTICAL
2	5457.00	64.53	74.00	-9.47	55.00	8.36	34.23	33.06	263	358	Peak	VERTICAL
3	5469.00	65.51	74.00	-8.49	55.91	8.41	34.25	33.06	263	358	Peak	VERTICAL
4	5470.00	52.57	54.00	-1.43	42.97	8.41	34.25	33.06	263	358	Average	VERTICAL
5	5556.00	115.87			105.97	8.65	34.33	33.08	263	358	Peak	VERTICAL
6	5563.00	106.11			96.15	8.70	34.34	33.08	263	358	Average	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5652.80	104.37			94.41	8.68	34.39	33.11	299	358	Average	VERTICAL
2	5656.00	114.65			104.69	8.68	34.39	33.11	299	358	Peak	VERTICAL
3	5729.20	52.74	54.00	-1.26	42.97	8.47	34.44	33.14	299	358	Average	VERTICAL
4	5732.80	67.42	74.00	-6.58	57.65	8.47	34.44	33.14	299	358	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5053.00	59.68	74.00	-14.32	51.42	7.74	33.57	33.05	250	359	Peak	VERTICAL
2	5150.00	47.60	54.00	-6.40	38.76	8.15	33.74	33.05	250	359	Average	VERTICAL
3	5258.00	106.72			97.60	8.27	33.91	33.06	250	359	Peak	VERTICAL
4	5297.00	94.17			85.01	8.24	33.98	33.06	250	359	Average	VERTICAL
5	5350.00	52.78	54.00	-1.22	43.58	8.20	34.06	33.06	250	359	Average	VERTICAL
6	5352.00	64.32	74.00	-9.68	55.12	8.20	34.06	33.06	250	359	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5433.00	68.06	74.00	-5.94	58.60	8.32	34.20	33.06	300	342	Peak	VERTICAL
2	5434.00	52.63	54.00	-1.37	43.17	8.32	34.20	33.06	300	342	Average	VERTICAL
3	5461.00	64.48	74.00	-9.52	54.95	8.36	34.23	33.06	300	342	Peak	VERTICAL
4	5470.00	52.66	54.00	-1.34	43.06	8.41	34.25	33.06	300	342	Average	VERTICAL
5	5519.00	97.33			87.53	8.56	34.31	33.07	300	342	Average	VERTICAL
6	5561.00	108.16			98.20	8.70	34.34	33.08	300	342	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5426.00	50.84	54.00	-3.16	41.45	8.27	34.18	33.06	292	357	Average	VERTICAL
2	5452.00	63.12	74.00	-10.88	53.59	8.36	34.23	33.06	292	357	Peak	VERTICAL
3	5469.00	63.15	74.00	-10.85	53.55	8.41	34.25	33.06	292	357	Peak	VERTICAL
4	5470.00	51.25	54.00	-2.75	41.65	8.41	34.25	33.06	292	357	Average	VERTICAL
5	5589.00	110.50			100.49	8.75	34.35	33.09	292	357	Peak	VERTICAL
6	5641.00	100.29			90.33	8.68	34.39	33.11	292	357	Average	VERTICAL
7	5725.00	52.76	54.00	-1.24	42.98	8.47	34.44	33.13	292	357	Average	VERTICAL
8	5728.00	65.67	74.00	-8.33	55.90	8.47	34.44	33.14	292	357	Peak	VERTICAL

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.80	107.03			97.22	8.51	34.43	33.13	281	0	Average	VERTICAL
2	5723.20	116.68			106.90	8.47	34.44	33.13	281	0	Peak	VERTICAL
3	5872.80	63.58	74.00	-10.42	53.60	8.64	34.52	33.18	281	0	Peak	VERTICAL
4	5875.20	52.57	54.00	-1.43	42.50	8.72	34.53	33.18	281	0	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5720.00	113.99			104.18	8.51	34.43	33.13	284	360	Peak	VERTICAL
2	5724.00	104.39			94.61	8.47	34.44	33.13	284	360	Average	VERTICAL
3	5875.00	51.63	54.00	-2.37	41.56	8.72	34.53	33.18	284	360	Average	VERTICAL
4	5883.00	63.56	74.00	-10.44	53.49	8.72	34.53	33.18	284	360	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5657.00	114.25			104.32	8.64	34.40	33.11	276	2	Peak	VERTICAL
2	5720.00	100.81			91.00	8.51	34.43	33.13	276	2	Average	VERTICAL
3	5850.00	52.94	54.00	-1.06	43.04	8.56	34.51	33.17	276	2	Average	VERTICAL
4	5855.00	68.75	74.00	-5.25	58.85	8.56	34.51	33.17	276	2	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015 ~ Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.00	60.90	74.00	-13.10	52.06	8.15	33.74	33.05	250	1	Peak	VERTICAL
2	5150.00	48.64	54.00	-5.36	39.80	8.15	33.74	33.05	250	1	Average	VERTICAL
3	5257.00	117.49			108.37	8.27	33.91	33.06	250	1	Peak	VERTICAL
4	5257.00	108.00			98.88	8.27	33.91	33.06	250	1	Average	VERTICAL
5	5350.00	50.29	54.00	-3.71	41.09	8.20	34.06	33.06	250	1	Average	VERTICAL
6	5374.00	62.25	74.00	-11.75	53.02	8.18	34.11	33.06	250	1	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.40	108.65			99.49	8.24	33.98	33.06	251	359	Average	VERTICAL
2	5294.80	118.64			109.48	8.24	33.98	33.06	251	359	Peak	VERTICAL
3	5372.00	51.63	54.00	-2.37	42.40	8.18	34.11	33.06	251	359	Average	VERTICAL
4	5384.00	64.14	74.00	-9.86	54.91	8.18	34.11	33.06	251	359	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5311.60	106.06			96.88	8.23	34.01	33.06	250	143	Average	VERTICAL
2	5325.60	116.15			106.96	8.22	34.03	33.06	250	143	Peak	VERTICAL
3	5350.00	66.37	74.00	-7.63	57.17	8.20	34.06	33.06	250	143	Peak	VERTICAL
4	5352.00	52.00	54.00	-2.00	42.80	8.20	34.06	33.06	250	143	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5414.00	65.17	74.00	-8.83	55.86	8.22	34.15	33.06	250	0	Peak	VERTICAL
2	5424.80	52.78	54.00	-1.22	43.39	8.27	34.18	33.06	250	0	Average	VERTICAL
3	5465.60	65.64	68.20	-2.56	56.04	8.41	34.25	33.06	250	0	Peak	VERTICAL
4	5493.20	116.68			107.00	8.46	34.28	33.06	250	0	Peak	VERTICAL
5	5494.40	105.81			96.13	8.46	34.28	33.06	250	0	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5423.20	64.58	74.00	-9.42	55.19	8.27	34.18	33.06	251	10	Peak	VERTICAL
2	5425.60	52.99	54.00	-1.01	43.60	8.27	34.18	33.06	251	10	Average	VERTICAL
3	5463.60	62.40	68.20	-5.80	52.80	8.41	34.25	33.06	251	10	Peak	VERTICAL
4	5581.60	106.04			96.03	8.75	34.35	33.09	251	10	Average	VERTICAL
5	5584.80	116.73			106.72	8.75	34.35	33.09	251	10	Peak	VERTICAL
6	5742.40	64.34	68.20	-3.86	54.60	8.43	34.45	33.14	251	10	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.00	114.23			104.38	8.56	34.42	33.13	249	8	Peak	VERTICAL
2	5694.40	103.74			93.89	8.56	34.42	33.13	249	8	Average	VERTICAL
3	5725.40	66.80	68.20	-1.40	57.02	8.47	34.44	33.13	249	8	Peak	VERTICAL

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

Temperature	24℃	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.00	114.86			105.74	8.27	33.91	33.06	249	359	Peak	VERTICAL
2	5262.80	104.39			95.25	8.26	33.94	33.06	249	359	Average	VERTICAL
3	5350.00	52.00	54.00	-2.00	42.80	8.20	34.06	33.06	249	359	Average	VERTICAL
4	5350.80	67.52	74.00	-6.48	58.32	8.20	34.06	33.06	249	359	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5304.40	108.72			99.56	8.24	33.98	33.06	256	1	Peak	VERTICAL
2	5305.20	98.86			89.70	8.24	33.98	33.06	256	1	Average	VERTICAL
3	5350.00	52.91	54.00	-1.09	43.71	8.20	34.06	33.06	256	1	Average	VERTICAL
4	5351.60	66.25	74.00	-7.75	57.05	8.20	34.06	33.06	256	1	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.20	64.93	74.00	-9.07	55.40	8.36	34.23	33.06	250	359	Peak	VERTICAL
2	5457.60	52.84	54.00	-1.16	43.31	8.36	34.23	33.06	250	359	Average	VERTICAL
3	5469.60	64.98	68.20	-3.22	55.38	8.41	34.25	33.06	250	359	Peak	VERTICAL
4	5492.40	103.83			94.15	8.46	34.28	33.06	250	359	Average	VERTICAL
5	5496.00	113.56			103.81	8.51	34.30	33.06	250	359	Peak	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5385.20	52.97	54.00	-1.03	43.73	8.17	34.13	33.06	249	0	Average	VERTICAL
2	5453.20	66.37	74.00	-7.63	56.84	8.36	34.23	33.06	249	0	Peak	VERTICAL
3	5470.00	64.67	68.20	-3.53	55.07	8.41	34.25	33.06	249	0	Peak	VERTICAL
4	5542.80	106.32			96.47	8.61	34.32	33.08	249	0	Average	VERTICAL
5	5543.60	117.51			107.61	8.65	34.33	33.08	249	0	Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5653.20	104.38			94.42	8.68	34.39	33.11	249	3	Average	VERTICAL
2	5656.80	113.29			103.36	8.64	34.40	33.11	249	3	Peak	VERTICAL
3	5727.60	66.83	68.20	-1.37	57.06	8.47	34.44	33.14	249	3	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 58 data

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.50	58.77	74.00	-15.23	49.93	8.15	33.74	33.05	250	3	Peak	VERTICAL
2	5149.50	45.77	54.00	-8.23	36.93	8.15	33.74	33.05	250	3	Average	VERTICAL
3	5295.00	105.30			96.14	8.24	33.98	33.06	250	3	Peak	VERTICAL
4	5298.00	94.87			85.71	8.24	33.98	33.06	250	3	Average	VERTICAL
5	5350.00	52.99	54.00	-1.01	43.79	8.20	34.06	33.06	250	3	Average	VERTICAL
6	5351.00	65.16	74.00	-8.84	55.96	8.20	34.06	33.06	250	3	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5439.00	65.47	74.00	-8.53	56.01	8.32	34.20	33.06	250	2	Peak	VERTICAL
2	5456.00	52.94	54.00	-1.06	43.41	8.36	34.23	33.06	250	2	Average	VERTICAL
3	5465.00	64.67	68.20	-3.53	55.07	8.41	34.25	33.06	250	2	Peak	VERTICAL
4	5493.00	96.89			87.21	8.46	34.28	33.06	250	2	Average	VERTICAL
5	5504.00	109.82			100.07	8.51	34.30	33.06	250	2	Peak	VERTICAL
6	5725.50	58.61	68.20	-9.59	48.83	8.47	34.44	33.13	250	2	Peak	VERTICAL
7	5725.50	46.61	68.20	-21.59	36.83	8.47	34.44	33.13	250	2	Average	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.00	64.75	74.00	-9.25	55.22	8.36	34.23	33.06	250	0	Peak	VERTICAL
2	5459.00	52.80	54.00	-1.20	43.27	8.36	34.23	33.06	250	0	Average	VERTICAL
3	5470.00	64.39	68.20	-3.81	54.79	8.41	34.25	33.06	250	0	Peak	VERTICAL
4	5639.00	111.64			101.65	8.72	34.38	33.11	250	0	Peak	VERTICAL
5	5647.00	101.97			92.01	8.68	34.39	33.11	250	0	Average	VERTICAL
6	5727.00	67.19	68.20	-1.01	57.42	8.47	34.44	33.14	250	0	Peak	VERTICAL

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5725.60	118.54			108.76	8.47	34.44	33.13	249	89	Peak	VERTICAL
2	5725.60	109.21			99.43	8.47	34.44	33.13	249	89	Average	VERTICAL
3	5880.00	64.72	68.20	-3.48	54.65	8.72	34.53	33.18	249	89	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.60	104.56			94.75	8.51	34.43	33.13	249	4	Average	VERTICAL
2	5714.80	114.13			104.32	8.51	34.43	33.13	249	4	Peak	VERTICAL
3	5872.40	63.75	68.20	-4.45	53.77	8.64	34.52	33.18	249	4	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 05, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5653.00	102.77			92.81	8.68	34.39	33.11	249	360	Average	VERTICAL
2	5655.00	112.43			102.47	8.68	34.39	33.11	249	360	Peak	VERTICAL
3	5859.00	66.85	68.20	-1.35	56.86	8.64	34.52	33.17	249	360	Peak	VERTICAL

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

Note:

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

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

4.7. Frequency Stability Measurement

4.7.1. 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).

4.7.2. Measuring Instruments and Setting

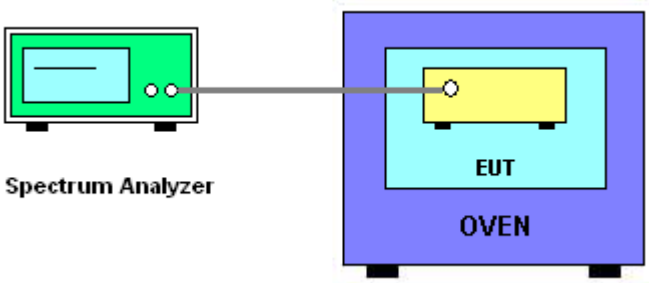
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

4.7.3. 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. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 10^6 ppm and the limit is less than ±20ppm (IEEE 802.11nspecification).
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 -30°C~50°C.

4.7.4. Test Setup Layout



4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.7.7. Test Result of Frequency Stability

Temperature	25°C	Humidity	46%
Test Engineer	Eddie Weng	Test Date	Jan. 07, 2016 ~ Jan. 10, 2016

Mode: 20 MHz / Chain 1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9832	5299.9831	5299.9829	5299.9828
110.00	5299.9753	5299.9731	5299.9722	5299.9719
93.50	5299.9677	5299.9676	5299.9675	5299.9674
Max. Deviation (MHz)	0.0323	0.0324	0.0325	0.0326
Max. Deviation (ppm)	6.09	6.11	6.13	6.15
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5299.9488	5299.9605	5299.9722	5299.9596
-20	5299.9622	5299.9488	5299.9596	5299.9501
-10	5299.9622	5299.9605	5299.9501	5299.9521
0	5300.0117	5300.0119	5300.0122	5300.0132
10	5300.0109	5300.0115	5300.0118	5300.0125
20	5299.9753	5299.9731	5299.9722	5299.9719
30	5299.9622	5299.9605	5299.9596	5299.9589
40	5299.9588	5299.9531	5299.9501	5299.9488
50	5299.9540	5299.9536	5299.9521	5299.9508
Max. Deviation (MHz)	0.0460	0.0512	0.0499	0.0512
Max. Deviation (ppm)	8.68	9.67	9.42	9.67
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9772	5579.9770	5579.9769	5579.9768
110.00	5579.9692	5579.9691	5579.9690	5579.9690
93.50	5579.9641	5579.9639	5579.9638	5579.9637
Max. Deviation (MHz)	0.0359	0.0361	0.0362	0.0363
Max. Deviation (ppm)	6.43	6.47	6.49	6.51
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5580.0135	5579.9587	5579.9691	5579.9690
-20	5580.0065	5579.9401	5579.9589	5579.9585
-10	5579.9692	5579.9392	5579.9405	5579.9397
0	5580.0135	5580.0135	5580.0117	5580.0109
10	5580.0065	5580.0062	5580.0048	5580.0041
20	5579.9692	5579.9691	5579.9690	5579.9690
30	5579.9592	5579.9589	5579.9587	5579.9585
40	5579.9418	5579.9405	5579.9401	5579.9397
50	5579.9405	5579.9396	5579.9392	5579.9389
Max. Deviation (MHz)	0.0595	0.0608	0.0608	0.0611
Max. Deviation (ppm)	10.66	10.90	10.90	10.95
Result	Complies			

Mode: 40 MHz / Chain 1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9822	5309.9821	5309.9819	5309.9817
110.00	5309.9755	5309.9742	5309.9728	5309.9726
93.50	5309.9665	5309.9662	5309.9660	5309.9659
Max. Deviation (MHz)	0.0335	0.0338	0.0340	0.0341
Max. Deviation (ppm)	6.31	6.37	6.40	6.42
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5309.9625	5309.9616	5309.9495	5309.9602
-20	5309.9616	5309.9625	5309.9602	5309.9507
-10	5309.9616	5309.9625	5309.9602	5309.9527
0	5310.0115	5310.0118	5310.0124	5310.0131
10	5310.0106	5310.0114	5310.0120	5310.0124
20	5309.9755	5309.9742	5309.9728	5309.9726
30	5309.9625	5309.9616	5309.9602	5309.9596
40	5309.9590	5309.9542	5309.9507	5309.9495
50	5309.9542	5309.9547	5309.9527	5309.9515
Max. Deviation (MHz)	0.0458	0.0458	0.0493	0.0505
Max. Deviation (ppm)	8.62	8.62	9.29	9.52
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9765	5549.9763	5549.9761	5549.9759
110.00	5549.9691	5549.9691	5549.9690	5549.9690
93.50	5549.9633	5549.9631	5549.9629	5549.9627
Max. Deviation (MHz)	0.0367	0.0369	0.0371	0.0373
Max. Deviation (ppm)	6.61	6.65	6.68	6.72
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5550.0063	5549.9691	5549.9331	5549.9502
-20	5549.9504	5549.9507	5549.9323	5549.9313
-10	5549.9504	5549.9323	5549.9691	5549.9306
0	5550.0132	5550.0131	5550.0128	5550.0126
10	5550.0063	5550.0058	5550.0059	5550.0059
20	5549.9691	5549.9691	5549.9690	5549.9690
30	5549.9518	5549.9507	5549.9504	5549.9502
40	5549.9344	5549.9323	5549.9318	5549.9313
50	5549.9331	5549.9314	5549.9309	5549.9306
Max. Deviation (MHz)	0.0669	0.0686	0.0691	0.0694
Max. Deviation (ppm)	12.05	12.36	12.45	12.51
Result	Complies			

Mode: 80 MHz / Chain 1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9831	5289.9829	5289.9827	5289.9826
110.00	5289.9762	5289.9758	5289.9736	5289.9731
93.50	5289.9661	5289.9659	5289.9657	5289.9656
Max. Deviation (MHz)	0.0339	0.0341	0.0343	0.0344
Max. Deviation (ppm)	6.41	6.45	6.48	6.50
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5290.0103	5289.9758	5289.9610	5289.9731
-20	5289.9762	5289.9632	5289.9515	5289.9601
-10	5289.9632	5289.9558	5289.9535	5289.9500
0	5290.0112	5290.0114	5290.0118	5290.0121
10	5290.0103	5290.0110	5290.0114	5290.0114
20	5289.9762	5289.9758	5289.9736	5289.9731
30	5289.9632	5289.9632	5289.9610	5289.9601
40	5289.9597	5289.9558	5289.9515	5289.9500
50	5289.9549	5289.9563	5289.9535	5289.9520
Max. Deviation (MHz)	0.0451	0.0442	0.0485	0.0500
Max. Deviation (ppm)	8.52	8.35	9.18	9.46
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9758	5529.9756	5529.9754	5529.9752
110.00	5529.9688	5529.9688	5529.9688	5529.9687
93.50	5529.9628	5529.9626	5529.9625	5529.9624
Max. Deviation (MHz)	0.0372	0.0374	0.0375	0.0376
Max. Deviation (ppm)	6.73	6.76	6.78	6.80
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5529.9515	5529.9688	5529.9504	5530.0115
-20	5529.9341	5529.9504	5529.9504	5530.0048
-10	5530.0128	5529.9320	5529.9504	5529.9687
0	5530.0128	5530.0127	5530.0116	5530.0115
10	5530.0059	5530.0054	5530.0047	5530.0048
20	5529.9688	5529.9688	5529.9688	5529.9687
30	5529.9515	5529.9504	5529.9502	5529.9499
40	5529.9341	5529.9320	5529.9316	5529.9310
50	5529.9328	5529.9311	5529.9307	5529.9303
Max. Deviation (MHz)	0.0672	0.0689	0.0693	0.0697
Max. Deviation (ppm)	12.15	12.46	12.53	12.61
Result	Complies			

Mode: 20 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9833	5299.9831	5299.9829	5299.9828
110.00	5299.9744	5299.9731	5299.9729	5299.9727
93.50	5299.9689	5299.9688	5299.9686	5299.9684
Max. Deviation (MHz)	0.0311	0.0312	0.0314	0.0316
Max. Deviation (ppm)	5.87	5.89	5.92	5.96
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5300.0122	5300.0045	5299.9501	5299.9727
-20	5299.9654	5299.9501	5300.0045	5299.9727
-10	5299.9654	5300.0045	5299.9645	5299.9645
0	5300.0113	5300.0122	5300.0133	5300.0143
10	5300.0023	5300.0033	5300.0045	5300.0065
20	5299.9744	5299.9731	5299.9729	5299.9727
30	5299.9654	5299.9645	5299.9642	5299.9641
40	5299.9566	5299.9518	5299.9501	5299.9479
50	5299.9523	5299.9505	5299.9489	5299.9476
Max. Deviation (MHz)	0.0477	0.0499	0.0511	0.0524
Max. Deviation (ppm)	9.00	9.42	9.64	9.89
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9762	5579.9761	5579.9759	5579.9758
110.00	5579.9696	5579.9693	5579.9692	5579.9691
93.50	5579.9623	5579.9622	5579.9619	5579.9618
Max. Deviation (MHz)	0.0377	0.0378	0.0381	0.0382
Max. Deviation (ppm)	6.76	6.77	6.83	6.85
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5579.9402	5579.9570	5579.9401	5580.0060
-20	5579.9696	5579.9570	5579.9401	5580.0060
-10	5579.9696	5579.9575	5579.9397	5580.0060
0	5580.0139	5580.0130	5580.0117	5580.0104
10	5580.0066	5580.0060	5580.0042	5580.0041
20	5579.9696	5579.9693	5579.9692	5579.9691
30	5579.9578	5579.9575	5579.9572	5579.9570
40	5579.9418	5579.9410	5579.9397	5579.9401
50	5579.9402	5579.9401	5579.9396	5579.9395
Max. Deviation (MHz)	0.0598	0.0599	0.0604	0.0605
Max. Deviation (ppm)	10.72	10.73	10.82	10.84
Result	Complies			

Mode: 40 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9832	5309.9831	5309.9828	5309.9826
110.00	5309.9748	5309.9732	5309.9722	5309.9718
93.50	5309.9691	5309.9690	5309.9689	5309.9688
Max. Deviation (MHz)	0.0309	0.0310	0.0311	0.0312
Max. Deviation (ppm)	5.82	5.84	5.86	5.88
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5310.0026	5310.0125	5309.9722	5309.9633
-20	5309.9748	5310.0036	5309.9635	5309.9471
-10	5309.9658	5309.9732	5309.9494	5309.9468
0	5310.0116	5310.0125	5310.0132	5310.0138
10	5310.0026	5310.0036	5310.0044	5310.0060
20	5309.9748	5309.9732	5309.9722	5309.9718
30	5309.9658	5309.9646	5309.9635	5309.9633
40	5309.9570	5309.9519	5309.9494	5309.9471
50	5309.9527	5309.9506	5309.9482	5309.9468
Max. Deviation (MHz)	0.0473	0.0494	0.0518	0.0532
Max. Deviation (ppm)	8.90	9.30	9.76	10.03
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9758	5549.9757	5549.9756	5549.9655
110.00	5549.9695	5549.9695	5549.9695	5549.9694
93.50	5549.9633	5549.9631	5549.9628	5549.9626
Max. Deviation (MHz)	0.0367	0.0369	0.0372	0.0374
Max. Deviation (ppm)	6.61	6.65	6.70	6.74
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5550.0062	5549.9695	5549.9530	5549.9525
-20	5549.9695	5549.9530	5549.9364	5549.9356
-10	5549.9535	5549.9364	5549.9356	5549.9350
0	5550.0135	5550.0131	5550.0123	5550.0098
10	5550.0062	5550.0061	5550.0048	5550.0035
20	5549.9695	5549.9695	5549.9695	5549.9694
30	5549.9535	5549.9530	5549.9520	5549.9525
40	5549.9375	5549.9364	5549.9344	5549.9356
50	5549.9359	5549.9356	5549.9344	5549.9350
Max. Deviation (MHz)	0.0641	0.0644	0.0656	0.0650
Max. Deviation (ppm)	11.55	11.61	11.83	11.71
Result	Complies			

Mode: 80 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9821	5289.9819	5289.9817	5289.9816
110.00	5289.9755	5289.9745	5289.9733	5289.9731
93.50	5289.9688	5289.9687	5289.9686	5289.9685
Max. Deviation (MHz)	0.0312	0.0313	0.0314	0.0315
Max. Deviation (ppm)	5.90	5.92	5.94	5.95
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5290.0024	5290.0036	5290.0043	5289.9646
-20	5289.9755	5289.9745	5289.9733	5289.9484
-10	5289.9665	5289.9659	5289.9646	5289.9481
0	5290.0114	5290.0125	5290.0131	5290.0136
10	5290.0024	5290.0036	5290.0043	5290.0058
20	5289.9755	5289.9745	5289.9733	5289.9731
30	5289.9665	5289.9659	5289.9646	5289.9646
40	5289.9577	5289.9532	5289.9505	5289.9484
50	5289.9534	5289.9519	5289.9493	5289.9481
Max. Deviation (MHz)	0.0466	0.0481	0.0507	0.0519
Max. Deviation (ppm)	8.81	9.09	9.58	9.82
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9756	5529.9754	5529.9752	5529.9750
110.00	5529.9692	5529.9691	5529.9690	5529.9690
93.50	5529.9628	5529.9626	5529.9625	5529.9624
Max. Deviation (MHz)	0.0372	0.0374	0.0375	0.0376
Max. Deviation (ppm)	6.73	6.76	6.78	6.80
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5529.9690	5530.0060	5529.9690	5529.9532
-20	5529.9515	5529.9691	5529.9521	5529.9372
-10	5529.9339	5529.9526	5529.9352	5529.9356
0	5530.0132	5530.0130	5530.0125	5530.0099
10	5530.0059	5530.0060	5530.0050	5530.0036
20	5529.9692	5529.9691	5529.9690	5529.9690
30	5529.9532	5529.9526	5529.9515	5529.9521
40	5529.9372	5529.9360	5529.9339	5529.9352
50	5529.9356	5529.9352	5529.9339	5529.9346
Max. Deviation (MHz)	0.0661	0.0648	0.0661	0.0654
Max. Deviation (ppm)	11.95	11.73	11.96	11.83
Result	Complies			

Mode: 20 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9816	5299.9815	5299.9814	5299.9812
110.00	5299.9753	5299.9740	5299.9727	5299.9714
93.50	5299.9698	5299.9696	5299.9695	5299.9694
Max. Deviation (MHz)	0.0302	0.0304	0.0305	0.0306
Max. Deviation (ppm)	5.70	5.74	5.75	5.77
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5299.9753	5300.0062	5299.9665	5299.9642
-20	5299.9678	5299.9727	5299.9522	5299.9483
-10	5299.9557	5299.9652	5299.9498	5299.9453
0	5300.0117	5300.0122	5300.0135	5300.0148
10	5300.0045	5300.0051	5300.0062	5300.0078
20	5299.9753	5299.9740	5299.9727	5299.9714
30	5299.9678	5299.9665	5299.9652	5299.9642
40	5299.9557	5299.9522	5299.9496	5299.9483
50	5299.9503	5299.9498	5299.9462	5299.9453
Max. Deviation (MHz)	0.0497	0.0502	0.0538	0.0547
Max. Deviation (ppm)	9.38	9.47	10.15	10.32
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9765	5579.9762	5579.9761	5579.9759
110.00	5579.9696	5579.9696	5579.9695	5579.9695
93.50	5579.9638	5579.9636	5579.9634	5579.9632
Max. Deviation (MHz)	0.0362	0.0364	0.0366	0.0368
Max. Deviation (ppm)	6.49	6.52	6.56	6.59
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5579.9696	5579.9696	5579.9562	5579.9560
-20	5579.9564	5579.9565	5579.9392	5579.9392
-10	5579.9397	5579.9414	5579.9362	5579.9355
0	5580.0135	5580.0130	5580.0117	5580.0109
10	5580.0065	5580.0062	5580.0046	5580.0041
20	5579.9696	5579.9696	5579.9695	5579.9695
30	5579.9565	5579.9564	5579.9562	5579.9560
40	5579.9414	5579.9397	5579.9392	5579.9392
50	5579.9398	5579.9378	5579.9362	5579.9355
Max. Deviation (MHz)	0.0603	0.0622	0.0638	0.0645
Max. Deviation (ppm)	10.82	11.15	11.43	11.56
Result	Complies			

Mode: 40 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9808	5309.9806	5309.9802	5309.9800
110.00	5309.9756	5309.9751	5309.9743	5309.9738
93.50	5309.9688	5309.9686	5309.9684	5309.9682
Max. Deviation (MHz)	0.0312	0.0314	0.0316	0.0318
Max. Deviation (ppm)	5.88	5.91	5.95	5.99
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5309.9756	5310.0055	5309.9534	5309.9534
-20	5309.9756	5309.9751	5309.9667	5309.9534
-10	5309.9751	5310.0131	5310.0131	5309.9751
0	5310.0113	5310.0126	5310.0131	5310.0145
10	5310.0041	5310.0055	5310.0058	5310.0075
20	5309.9756	5309.9751	5309.9743	5309.9738
30	5309.9682	5309.9677	5309.9669	5309.9667
40	5309.9561	5309.9534	5309.9513	5309.9508
50	5309.9507	5309.9510	5309.9479	5309.9478
Max. Deviation (MHz)	0.0494	0.0490	0.0521	0.0522
Max. Deviation (ppm)	9.29	9.24	9.82	9.84
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9762	5549.9761	5549.9759	5549.9758
110.00	5549.9695	5549.9694	5549.9693	5549.9692
93.50	5549.9642	5549.9640	5549.9638	5549.9635
Max. Deviation (MHz)	0.0358	0.0360	0.0362	0.0365
Max. Deviation (ppm)	6.45	6.49	6.52	6.58
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5549.9544	5549.9523	5549.9694	5550.0036
-20	5549.9393	5549.9353	5549.9527	5549.9692
-10	5549.9377	5549.9323	5549.9359	5549.9524
0	5550.0131	5550.0129	5550.0111	5550.0103
10	5550.0061	5550.0061	5550.0040	5550.0036
20	5549.9695	5549.9694	5549.9693	5549.9692
30	5549.9544	5549.9527	5549.9523	5549.9524
40	5549.9393	5549.9359	5549.9353	5549.9356
50	5549.9377	5549.9341	5549.9323	5549.9319
Max. Deviation (MHz)	0.0623	0.0677	0.0677	0.0681
Max. Deviation (ppm)	11.23	12.19	12.19	12.27
Result	Complies			

Mode: 80 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9811	5289.9809	5289.9807	5289.9806
110.00	5289.9758	5289.9751	5289.9742	5289.9738
93.50	5289.9691	5289.9688	5289.9687	5289.9686
Max. Deviation (MHz)	0.0309	0.0312	0.0313	0.0314
Max. Deviation (ppm)	5.84	5.90	5.92	5.94
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5289.9751	5289.9684	5289.9738	5289.9668
-20	5289.9677	5289.9563	5289.9667	5289.9512
-10	5289.9534	5289.9509	5289.9508	5289.9478
0	5290.0111	5290.0125	5290.0129	5290.0141
10	5290.0039	5290.0054	5290.0056	5290.0071
20	5289.9758	5289.9751	5289.9742	5289.9738
30	5289.9684	5289.9677	5289.9668	5289.9667
40	5289.9563	5289.9534	5289.9512	5289.9508
50	5289.9509	5289.9510	5289.9478	5289.9478
Max. Deviation (MHz)	0.0491	0.0491	0.0522	0.0522
Max. Deviation (ppm)	9.29	9.29	9.88	9.88
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9755	5529.9752	5529.9751	5529.9749
110.00	5529.9694	5529.9694	5529.9692	5529.9692
93.50	5529.9664	5529.9662	5529.9660	5529.9658
Max. Deviation (MHz)	0.0336	0.0338	0.0340	0.0342
Max. Deviation (ppm)	6.08	6.11	6.15	6.18
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5529.9694	5530.0053	5530.0125	5529.9692
-20	5529.9543	5529.9694	5530.0055	5529.9522
-10	5529.9392	5529.9527	5529.9694	5529.9352
0	5530.0125	5530.0121	5530.0109	5530.0102
10	5530.0055	5530.0053	5530.0038	5530.0035
20	5529.9694	5529.9694	5529.9692	5529.9692
30	5529.9543	5529.9527	5529.9522	5529.9524
40	5529.9392	5529.9359	5529.9352	5529.9356
50	5529.9376	5529.9341	5529.9322	5529.9319
Max. Deviation (MHz)	0.0624	0.0660	0.0678	0.0681
Max. Deviation (ppm)	11.29	11.93	12.26	12.31
Result	Complies			

Mode: 20 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9865	5299.9862	5299.9859	5299.9855
110.00	5299.9748	5299.9731	5299.9728	5299.9722
93.50	5299.9698	5299.9696	5299.9692	5299.9689
Max. Deviation (MHz)	0.0302	0.0304	0.0308	0.0311
Max. Deviation (ppm)	5.70	5.74	5.81	5.87
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5299.9636	5299.9636	5299.9496	5299.9624
-20	5299.9748	5299.9503	5299.9748	5299.9503
-10	5299.9503	5299.9496	5299.9496	5299.9503
0	5300.0109	5300.0126	5300.0139	5300.0143
10	5300.0003	5300.0023	5300.0033	5300.0038
20	5299.9748	5299.9731	5299.9728	5299.9722
30	5299.9666	5299.9636	5299.9624	5299.9621
40	5299.9544	5299.9522	5299.9496	5299.9483
50	5299.9503	5299.9487	5299.9456	5299.9451
Max. Deviation (MHz)	0.0497	0.0513	0.0544	0.0549
Max. Deviation (ppm)	9.38	9.68	10.26	10.36
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9755	5579.9754	5579.9752	5579.9749
110.00	5579.9696	5579.9695	5579.9694	5579.9693
93.50	5579.9623	5579.9622	5579.9619	5579.9617
Max. Deviation (MHz)	0.0377	0.0378	0.0381	0.0383
Max. Deviation (ppm)	6.76	6.77	6.83	6.86
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5579.9392	5579.9414	5579.9405	5579.9405
-20	5579.9414	5580.0006	5580.0006	5579.9405
-10	5579.9414	5579.9392	5579.9392	5580.0006
0	5580.0135	5580.0135	5580.0126	5580.0104
10	5580.0006	5580.0004	5579.9996	5579.9985
20	5579.9696	5579.9695	5579.9694	5579.9693
30	5579.9588	5579.9587	5579.9586	5579.9582
40	5579.9414	5579.9405	5579.9401	5579.9392
50	5579.9399	5579.9385	5579.9382	5579.9375
Max. Deviation (MHz)	0.0601	0.0615	0.0618	0.0625
Max. Deviation (ppm)	10.77	11.02	11.08	11.20
Result	Complies			

Mode: 40 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9855	5309.9852	5309.9849	5309.9847
110.00	5309.9744	5309.9738	5309.9731	5309.9729
93.50	5309.9689	5309.9688	5309.9687	5309.9686
Max. Deviation (MHz)	0.0311	0.0312	0.0313	0.0314
Max. Deviation (ppm)	5.86	5.88	5.89	5.91
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5309.9627	5309.9662	5309.9744	5310.0000
-20	5309.9499	5309.9540	5309.9662	5310.0000
-10	5309.9459	5309.9499	5309.9540	5310.0000
0	5310.0108	5310.0124	5310.0138	5310.0143
10	5310.0003	5310.0021	5310.0032	5310.0038
20	5309.9744	5309.9738	5309.9731	5309.9729
30	5309.9662	5309.9643	5309.9627	5309.9628
40	5309.9540	5309.9530	5309.9499	5309.9490
50	5309.9499	5309.9494	5309.9459	5309.9458
Max. Deviation (MHz)	0.0541	0.0506	0.0541	0.0542
Max. Deviation (ppm)	10.19	9.53	10.19	10.21
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9742	5549.9741	5549.9739	5549.9736
110.00	5549.9696	5549.9695	5549.9694	5549.9694
93.50	5549.9633	5549.9631	5549.9628	5549.9625
Max. Deviation (MHz)	0.0367	0.0369	0.0372	0.0375
Max. Deviation (ppm)	6.61	6.65	6.70	6.76
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5550.0006	5549.9695	5549.9694	5549.9694
-20	5549.9696	5549.9513	5549.9509	5549.9504
-10	5549.9522	5549.9331	5549.9324	5549.9314
0	5550.0135	5550.0134	5550.0125	5550.0116
10	5550.0006	5550.0003	5549.9995	5549.9997
20	5549.9696	5549.9695	5549.9694	5549.9694
30	5549.9522	5549.9513	5549.9509	5549.9504
40	5549.9348	5549.9331	5549.9324	5549.9314
50	5549.9333	5549.9311	5549.9305	5549.9297
Max. Deviation (MHz)	0.0667	0.0689	0.0695	0.0703
Max. Deviation (ppm)	12.02	12.41	12.52	12.66
Result	Complies			

Mode: 80 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9848	5289.9846	5289.9844	5289.9841
110.00	5289.9747	5289.9742	5289.9737	5289.9733
93.50	5289.9655	5289.9654	5289.9653	5289.9651
Max. Deviation (MHz)	0.0345	0.0346	0.0347	0.0349
Max. Deviation (ppm)	6.52	6.54	6.56	6.60
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5289.9747	5290.0021	5289.9737	5289.9733
-20	5289.9665	5289.9742	5289.9633	5289.9632
-10	5289.9543	5289.9647	5289.9505	5289.9494
0	5290.0108	5290.0124	5290.0136	5290.0142
10	5290.0003	5290.0021	5290.0030	5290.0037
20	5289.9747	5289.9742	5289.9737	5289.9733
30	5289.9665	5289.9647	5289.9633	5289.9632
40	5289.9543	5289.9534	5289.9505	5289.9494
50	5289.9502	5289.9498	5289.9465	5289.9462
Max. Deviation (MHz)	0.0498	0.0502	0.0535	0.0538
Max. Deviation (ppm)	9.42	9.49	10.11	10.17
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9752	5529.9749	5529.9748	5529.9746
110.00	5529.9691	5529.9690	5529.9689	5529.9688
93.50	5529.9642	5529.9641	5529.9639	5529.9637
Max. Deviation (MHz)	0.0358	0.0359	0.0361	0.0363
Max. Deviation (ppm)	6.47	6.49	6.53	6.56
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5529.9517	5530.0001	5529.9998	5529.9498
-20	5529.9343	5529.9690	5529.9689	5529.9308
-10	5529.9328	5529.9508	5529.9504	5529.9291
0	5530.0134	5530.0132	5530.0128	5530.0113
10	5530.0005	5530.0001	5529.9998	5529.9994
20	5529.9691	5529.9690	5529.9689	5529.9688
30	5529.9517	5529.9508	5529.9504	5529.9498
40	5529.9343	5529.9326	5529.9319	5529.9308
50	5529.9328	5529.9306	5529.9300	5529.9291
Max. Deviation (MHz)	0.0672	0.0694	0.0700	0.0709
Max. Deviation (ppm)	12.15	12.55	12.66	12.82
Result	Complies			

4.8. Antenna Requirements

4.8.1. Limit

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

4.8.2. Antenna Connector Construction

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

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 12, 2015	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Feb. 10, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	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-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	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-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-l0-7	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.

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
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%