Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11480.92	44.00	54.00	-10.00	27.78	10.71	38.88	33.37	150	316	Average	HORIZONTAL
2	11491.84	57.52	74.00	-16.48	41.30	10.71	38.88	33.37	150	316	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11496.72	57.30	74.00	-16.70	41.07	10.72	38.88	33.37	150	227	Peak	VERTICAL
2	11499.16	44.66	54.00	-9.34	28.41	10.72	38.90	33.37	150	227	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11571.24	44.97	54.00	-9.03	28.66	10.76	38.94	33.39	150	221	Average	HORIZONTAL
2	11577.88	58.17	74.00	-15.83	41.86	10.76	38.94	33.39	150	221	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11562.28	57.99	74.00	-16.01	41.69	10.75	38.93	33.38	150	257	Peak	VERTICAL
2	11570.84	44.96	54.00	-9.04	28.65	10.76	38.94	33.39	150	257	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11640.64	58.66	74.00	-15.34	42.29	10.79	38.98	33.40	150	164	Peak	HORIZONTAL
2	11656.96	45.41	54.00	-8.59	29.02	10.81	38.99	33.41	150	164	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11658.40	59.55	74.00	-14.45	43.16	10.81	38.99	33.41	150	212	Peak	VERTICAL
2	11658.80	46.03	54.00	-7.97	29.64	10.81	38.99	33.41	150	212	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15560.16	49.48	54.00	-4.52	32.51	12.58	38.12	33.73	150	199	Average	HORIZONTAL
2	15566.60	62.69	74.00	-11.31	45.75	12.58	38.09	33.73	150	199	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15562.72	49.42	54.00	-4.58	32.48	12.58	38.09	33.73	150	115	Average	VERTICAL
2	15576.60	62.37	74.00	-11.63	45.45	12.58	38.09	33.75	150	115	Peak	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15683.92	48.93	54.00	-5.07	32.30	12.58	37.90	33.85	150	146	Average	HORIZONTAL
2	15696.92	61.84	74.00	-12.16	45.24	12.58	37.87	33.85	150	146	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15691.32	48.92	54.00	-5.08	32.29	12.58	37.90	33.85	150	215	Average	VERTICAL
2	15695.32	62.27	74.00	-11.73	45.64	12.58	37.90	33.85	150	215	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11502.96	58.87	74.00	-15.13	42.62	10.72	38.90	33.37	150	197	Peak	HORIZONTAL
2	11503.84	44.51	54.00	-9.49	28.26	10.72	38.90	33.37	150	197	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11514.40	57.44	74.00	-16.56	41.19	10.72	38.90	33.37	150	297	Peak	VERTICAL
2	11517.64	44.61	54.00	-9.39	28.35	10.72	38.91	33.37	150	297	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11597.64	58.30	74.00	-15.70	41.97	10.78	38.95	33.40	150	256	Peak	HORIZONTAL
2	11598.96	44.93	54.00	-9.07	28.60	10.78	38.95	33.40	150	256	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11594.48	58.84	74.00	-15.16	42.52	10.76	38.95	33.39	150	178	Peak	VERTICAL
2	11596.24	45.06	54.00	-8.94	28.73	10.78	38.95	33.40	150	178	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15621.40	49.11	54.00	-4.89	32.30	12.58	38.01	33.78	150	139	Average	HORIZONTAL
2	15633.12	62.22	74.00	-11.78	45.46	12.58	37.98	33.80	150	139	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15633.44	48.84	54.00	-5.16	32.08	12.58	37.98	33.80	150	76	Average	VERTICAL
2	15633.48	61.79	74.00	-12.21	45.03	12.58	37.98	33.80	150	76	Peak	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11546.72	57.80	74.00	-16.20	41.51	10.75	38.92	33.38	150	200	Peak	HORIZONTAL
2	11548.32	44.50	54.00	-9.50	28.21	10.75	38.92	33.38	150	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11551.12	44.89	54.00	-9.11	28.59	10.75	38.93	33.38	150	249	Average	VERTICAL
2	11555.76	57.81	74.00	-16.19	41.51	10.75	38.93	33.38	150	249	Peak	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 10, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.39	47.36	54.00	-6.64	30.34	12.58	38.14	33.70	153	60	Average	HORIZONTAL
2	15539.96	60.64	74.00	-13.36	43.62	12.58	38.14	33.70	153	60	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.19	60.50	74.00	-13.50	43.48	12.58	38.14	33.70	157	41	Peak	VERTICAL
2	15539.22	47.39	54.00	-6.61	30.37	12.58	38.14	33.70	157	41	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 10, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15600.58	47.04	54.00	-6.96	30.21	12.58	38.03	33.78	162	77	Average	HORIZONTAL
2	15600.76	60.01	74.00	-13.99	43.18	12.58	38.03	33.78	162	77	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15600.02	60.72	74.00	-13.28	43.89	12.58	38.03	33.78	171	94	Peak	VERTICAL
2	15600.34	46.51	54.00	-7.49	29.68	12.58	38.03	33.78	171	94	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 10, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.22	58.67	74.00	-15.33	42.14	12.57	37.84	33.88	156	114	Peak	HORIZONTAL
2	15720.88	46.33	54.00	-7.67	29.80	12.57	37.84	33.88	156	114	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.89	46.32	54.00	-7.68	29.79	12.57	37.84	33.88	165	114	Average	VERTICAL
2	15720.98	58.74	74.00	-15.26	42.21	12.57	37.84	33.88	165	114	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 10, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.36	45.09	54.00	-8.91	28.87	10.71	38.88	33.37	153	158	Average	HORIZONTAL
2	11490.08	57.32	74.00	-16.68	41.10	10.71	38.88	33.37	153	158	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.85	57.90	74.00	-16.10	41.68	10.71	38.88	33.37	153	177	Peak	VERTICAL
2	11490.90	44.69	54.00	-9.31	28.47	10.71	38.88	33.37	153	177	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 10, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.74	46.52	54.00	-7.48	30.21	10.76	38.94	33.39	132	144	Average	HORIZONTAL
2	11570.75	59.97	74.00	-14.03	43.66	10.76	38.94	33.39	132	144	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.45	58.24	74.00	-15.76	41.93	10.75	38.94	33.38	152	178	Peak	VERTICAL
2	11570.90	45.26	54.00	-8.74	28.95	10.76	38.94	33.39	152	178	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 10, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11650.30	48.11	54.00	-5.89	31.73	10.81	38.98	33.41	145	154	Average	HORIZONTAL
2	11650.54	61.65	74.00	-12.35	45.26	10.81	38.99	33.41	145	154	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.81	45.91	54.00	-8.09	29.53	10.81	38.98	33.41	145	142	Average	VERTICAL
2	11650.89	57.72	74.00	-16.28	41.33	10.81	38.99	33.41	145	142	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 10, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.60	47.34	54.00	-6.66	30.32	12.58	38.14	33.70	148	31	Average	HORIZONTAL
2	15540.24	60.22	74.00	-13.78	43.20	12.58	38.14	33.70	148	31	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.76	60.24	74.00	-13.76	43.22	12.58	38.14	33.70	147	11	Peak	VERTICAL
2	15540.94	47.46	54.00	-6.54	30.44	12.58	38.14	33.70	147	11	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 10, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15599.10	46.68	54.00	-7.32	29.85	12.58	38.03	33.78	149	52	Average	HORIZONTAL
2	15599.34	59.19	74.00	-14.81	42.36	12.58	38.03	33.78	149	52	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15599.14	46.72	54.00	-7.28	29.89	12.58	38.03	33.78	154	180	Average	VERTICAL
2	15599.24	59.47	74.00	-14.53	42.64	12.58	38.03	33.78	154	180	Peak	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.42	59.57	74.00	-14.43	43.04	12.57	37.84	33.88	156	174	Peak	HORIZONTAL
2	15720.25	46.16	54.00	-7.84	29.63	12.57	37.84	33.88	156	174	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.36	46.17	54.00	-7.83	29.64	12.57	37.84	33.88	151	147	Average	VERTICAL
2	15719.43	59.30	74.00	-14.70	42.77	12.57	37.84	33.88	151	147	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11490.48	59.10	74.00	-14.90	42.88	10.71	38.88	33.37	160	140	Peak	HORIZONTAL
2	11490.55	45.33	54.00	-8.67	29.11	10.71	38.88	33.37	160	140	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.84	57.13	74.00	-16.87	40.91	10.71	38.88	33.37	160	144	Peak	VERTICAL
2	11490.39	44.35	54.00	-9.65	28.13	10.71	38.88	33.37	160	144	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.76	57.48	74.00	-16.52	41.17	10.76	38.94	33.39	156	174	Peak	HORIZONTAL
2	11570.19	45.10	54.00	-8.90	28.79	10.76	38.94	33.39	156	174	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.80	56.52	74.00	-17.48	40.21	10.76	38.94	33.39	153	14	Peak	VERTICAL
2	11570.92	44.89	54.00	-9.11	28.58	10.76	38.94	33.39	153	14	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.47	47.78	54.00	-6.22	31.40	10.81	38.98	33.41	151	144	Average	HORIZONTAL
2	11651.00	60.76	74.00	-13.24	44.37	10.81	38.99	33.41	151	144	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.86	59.05	74.00	-14.95	42.67	10.81	38.98	33.41	154	163	Peak	VERTICAL
2	11650.72	46.70	54.00	-7.30	30.31	10.81	38.99	33.41	154	163	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15570.00	59.81	74.00	-14.19	42.87	12.58	38.09	33.73	156	157	Peak	HORIZONTAL
2	15570.60	47.03	54.00	-6.97	30.09	12.58	38.09	33.73	156	157	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15570.07	47.08	54.00	-6.92	30.14	12.58	38.09	33.73	156	42	Average	VERTICAL
2	15571.00	59.66	74.00	-14.34	42.72	12.58	38.09	33.73	156	42	Peak	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15689.26	59.80	74.00	-14.20	43.17	12.58	37.90	33.85	161	125	Peak	HORIZONTAL
2	15690.47	46.33	54.00	-7.67	29.70	12.58	37.90	33.85	161	125	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15689.97	59.04	74.00	-14.96	42.41	12.58	37.90	33.85	161	99	Peak	VERTICAL
2	15690.84	46.40	54.00	-7.60	29.77	12.58	37.90	33.85	161	99	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11509.06	42.99	54.00	-11.01	26.74	10.72	38.90	33.37	161	154	Average	HORIZONTAL
2	11509.47	55.65	74.00	-18.35	39.40	10.72	38.90	33.37	161	154	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11509.36	42.59	54.00	-11.41	26.34	10.72	38.90	33.37	159	140	Average	VERTICAL
2	11509.67	55.77	74.00	-18.23	39.52	10.72	38.90	33.37	159	140	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 11, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11589.99	57.50	74.00	-16.50	41.18	10.76	38.95	33.39	133	134	Peak	HORIZONTAL
2	11590.63	43.46	54.00	-10.54	27.14	10.76	38.95	33.39	133	134	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11589.08	43.77	54.00	-10.23	27.45	10.76	38.95	33.39	155	119	Average	VERTICAL
2	11589.87	57.24	74.00	-16.76	40.92	10.76	38.95	33.39	155	119	Peak	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15629.95	46.67	54.00	-7.33	29.91	12.58	37.98	33.80	134	109	Average	HORIZONTAL
2	15630.44	59.74	74.00	-14.26	42.98	12.58	37.98	33.80	134	109	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15629.36	59.52	74.00	-14.48	42.76	12.58	37.98	33.80	138	131	Peak	VERTICAL
2	15629.68	46.33	54.00	-7.67	29.57	12.58	37.98	33.80	138	131	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11549.04	43.41	54.00	-10.59	27.11	10.75	38.93	33.38	159	149	Average	HORIZONTAL
2	11550.42	56.42	74.00	-17.58	40.12	10.75	38.93	33.38	159	149	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11550.72	43.36	54.00	-10.64	27.06	10.75	38.93	33.38	163	6	Average	VERTICAL
2	11550.84	56.38	74.00	-17.62	40.08	10.75	38.93	33.38	163	6	Peak	VERTICAL

Note:

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

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

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

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15530.88	47.60	54.00	-6.40	30.58	12.58	38.14	33.70	204	113	Average	HORIZONTAL
2	15543.88	61.09	74.00	-12.91	44.09	12.58	38.12	33.70	204	113	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15541.60	47.70	54.00	-6.30	30.68	12.58	38.14	33.70	201	135	Average	VERTICAL
2	15541.68	60.68	74.00	-13.32	43.66	12.58	38.14	33.70	201	135	Peak	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15631.48	47.75	54.00	-6.25	30.99	12.58	37.98	33.80	236	318	Average	HORIZONTAL
2	15631.76	60.75	74.00	-13.25	43.99	12.58	37.98	33.80	236	318	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15555.04	60.91	74.00	-13.09	43.94	12.58	38.12	33.73	186	190	Peak	VERTICAL
2	15556.60	47.82	54.00	-6.18	30.85	12.58	38.12	33.73	186	190	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.96	59.87	74.00	-14.13	43.34	12.57	37.84	33.88	274	277	Peak	HORIZONTAL
2	15722.68	47.04	54.00	-6.96	30.51	12.57	37.84	33.88	274	277	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15712.56	60.19	74.00	-13.81	43.63	12.57	37.87	33.88	266	211	Peak	VERTICAL
2	15716.16	47.00	54.00	-7.00	30.47	12.57	37.84	33.88	266	211	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11481.08	56.09	74.00	-17.91	39.87	10.71	38.88	33.37	259	124	Peak	HORIZONTAL
2	11489.92	44.57	54.00	-9.43	28.35	10.71	38.88	33.37	259	124	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11495.56	44.35	54.00	-9.65	28.12	10.72	38.88	33.37	288	205	Average	VERTICAL
2	11497.68	56.73	74.00	-17.27	40.48	10.72	38.90	33.37	288	205	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.92	45.43	54.00	-8.57	29.12	10.76	38.94	33.39	284	112	Average	HORIZONTAL
2	11570.52	58.06	74.00	-15.94	41.75	10.76	38.94	33.39	284	112	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11573.12	47.75	54.00	-6.25	31.44	10.76	38.94	33.39	285	1	Average	VERTICAL
2	11575.72	60.58	74.00	-13.42	44.27	10.76	38.94	33.39	285	1	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.32	59.77	74.00	-14.23	43.39	10.81	38.98	33.41	299	93	Peak	HORIZONTAL
2	11650.16	47.99	54.00	-6.01	31.61	10.81	38.98	33.41	299	93	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11645.68	62.24	74.00	-11.76	45.87	10.79	38.98	33.40	299	14	Peak	VERTICAL
2	11645.96	49.63	54.00	-4.37	33.26	10.79	38.98	33.40	299	14	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15532.96	47.95	54.00	-6.05	30.93	12.58	38.14	33.70	280	95	Average	HORIZONTAL
2	15549.56	60.85	74.00	-13.15	43.88	12.58	38.12	33.73	280	95	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15532.52	60.89	74.00	-13.11	43.87	12.58	38.14	33.70	260	120	Peak	VERTICAL
2	15533.32	47.91	54.00	-6.09	30.89	12.58	38.14	33.70	260	120	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15591.48	60.18	74.00	-13.82	43.29	12.58	38.06	33.75	250	146	Peak	HORIZONTAL
2	15600.36	47.29	54.00	-6.71	30.46	12.58	38.03	33.78	250	146	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15593.88	60.10	74.00	-13.90	43.21	12.58	38.06	33.75	251	130	Peak	VERTICAL
2	15596.68	47.42	54.00	-6.58	30.56	12.58	38.03	33.75	251	130	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15716.16	47.00	54.00	-7.00	30.47	12.57	37.84	33.88	264	156	Average	HORIZONTAL
2	15730.00	60.49	74.00	-13.51	43.98	12.57	37.84	33.90	264	156	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15724.36	47.17	54.00	-6.83	30.64	12.57	37.84	33.88	269	189	Average	VERTICAL
2	15728.36	60.20	74.00	-13.80	43.69	12.57	37.84	33.90	269	189	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11490.80	42.81	54.00	-11.19	26.59	10.71	38.88	33.37	272	218	Average	HORIZONTAL
2	11492.92	55.50	74.00	-18.50	39.28	10.71	38.88	33.37	272	218	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11490.28	47.10	54.00	-6.90	30.88	10.71	38.88	33.37	270	240	Average	VERTICAL
2	11495.04	60.01	74.00	-13.99	43.78	10.72	38.88	33.37	270	240	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.20	55.72	74.00	-18.28	39.41	10.75	38.94	33.38	292	240	Peak	HORIZONTAL
2	11570.08	44.16	54.00	-9.84	27.85	10.76	38.94	33.39	292	240	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.88	48.91	54.00	-5.09	32.60	10.76	38.94	33.39	297	183	Average	VERTICAL
2	11570.92	61.83	74.00	-12.17	45.52	10.76	38.94	33.39	297	183	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11650.28	45.16	54.00	-8.84	28.78	10.81	38.98	33.41	296	161	Average	HORIZONTAL
2	11650.40	58.17	74.00	-15.83	41.79	10.81	38.98	33.41	296	161	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11651.16	49.39	54.00	-4.61	33.00	10.81	38.99	33.41	297	189	Average	VERTICAL
2	11651.16	61.22	74.00	-12.78	44.83	10.81	38.99	33.41	297	189	Peak	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15569.92	47.83	54.00	-6.17	30.89	12.58	38.09	33.73	297	172	Average	HORIZONTAL
2	15576.88	61.04	74.00	-12.96	44.12	12.58	38.09	33.75	297	172	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15561.72	60.63	74.00	-13.37	43.69	12.58	38.09	33.73	261	184	Peak	VERTICAL
2	15564.76	47.68	54.00	-6.32	30.74	12.58	38.09	33.73	261	184	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15685.40	47.04	54.00	-6.96	30.41	12.58	37.90	33.85	300	195	Average	HORIZONTAL
2	15696.48	59.21	74.00	-14.79	42.58	12.58	37.90	33.85	300	195	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15682.64	59.59	74.00	-14.41	42.96	12.58	37.90	33.85	272	167	Peak	VERTICAL
2	15690.80	47.15	54.00	-6.85	30.52	12.58	37.90	33.85	272	167	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11505.48	55.22	74.00	-18.78	38.97	10.72	38.90	33.37	272	181	Peak	HORIZONTAL
2	11518.76	42.94	54.00	-11.06	26.68	10.73	38.91	33.38	272	181	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11510.56	44.05	54.00	-9.95	27.80	10.72	38.90	33.37	272	72	Average	VERTICAL
2	11520.00	55.30	74.00	-18.70	39.04	10.73	38.91	33.38	272	72	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 13, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11584.36	55.87	74.00	-18.13	39.55	10.76	38.95	33.39	242	113	Peak	HORIZONTAL
2	11589.88	43.10	54.00	-10.90	26.78	10.76	38.95	33.39	242	113	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11597.36	56.09	74.00	-17.91	39.76	10.78	38.95	33.40	242	119	Peak	VERTICAL
2	11598.92	43.46	54.00	-10.54	27.13	10.78	38.95	33.40	242	119	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15633.16	59.38	74.00	-14.62	42.62	12.58	37.98	33.80	299	61	Peak	HORIZONTAL
2	15633.60	46.88	54.00	-7.12	30.12	12.58	37.98	33.80	299	61	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15622.60	60.63	74.00	-13.37	43.82	12.58	38.01	33.78	278	151	Peak	VERTICAL
2	15627.92	47.23	54.00	-6.77	30.44	12.58	38.01	33.80	278	151	Average	VERTICAL

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

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11556.36	56.72	74.00	-17.28	40.42	10.75	38.93	33.38	284	297	Peak	HORIZONTAL
2	11558.64	44.58	54.00	-9.42	28.28	10.75	38.93	33.38	284	297	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11540.92	58.96	74.00	-15.04	42.69	10.73	38.92	33.38	289	349	Peak	VERTICAL
2	11546.08	47.02	54.00	-6.98	30.73	10.75	38.92	33.38	289	349	Average	VERTICAL

Note:

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

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

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

4.7. Band Edge Emissions Measurement

4.7.1. Limit

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

For transmitters operating in the 5.725-5.85 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of −27 dBm/MHz.

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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

4.7.2. Measuring Instruments and Setting

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

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

4.7.3. Test Procedures

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

4.7.4. Test Setup Layout

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

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

For Non-Beamforming Mode

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.80	61.06	74.00	-12.94	54.16	6.21	33.74	33.05	218	343	Peak	VERTICAL
2	5150.00	45.74	54.00	-8.26	38.84	6.21	33.74	33.05	218	343	Average	VERTICAL
3	5174.00	98.18			91.20	6.24	33.79	33.05	218	343	Average	VERTICAL
4	5177.60	109.23			102.25	6.24	33.79	33.05	218	343	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5116.00	44.89	54.00	-9.11	38.11	6.14	33.69	33.05	199	40	Average	VERTICAL
2	5123.20	57.78	74.00	-16.22	50.95	6.17	33.71	33.05	199	40	Peak	VERTICAL
3	5202.00	110.59			103.55	6.27	33.82	33.05	199	40	Peak	VERTICAL
4	5205.60	99.16			92.12	6.27	33.82	33.05	199	40	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4999.00	44.71	54.00	-9.29	38.25	6.01	33.50	33.05	194	360	Average	VERTICAL
2	5053.00	57.20	74.00	-16.80	50.59	6.08	33.58	33.05	194	360	Peak	VERTICAL
3	5242.00	112.88			105.73	6.30	33.90	33.05	194	360	Peak	VERTICAL
4	5246.00	101.34			94.16	6.34	33.90	33.06	194	360	Average	VERTICAL
5	5407.00	45.56	54.00	-8.44	37.95	6.53	34.14	33.06	194	360	Average	VERTICAL
6	5482.00	59.38	74.00	-14.62	51.54	6.63	34.27	33.06	194	360	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	64.04	68.20	-4.16	55.92	6.83	34.42	33.13	226	37	Peak	VERTICAL
2	5723.80	76.98	78.20	-1.22	68.85	6.83	34.43	33.13	226	37	Peak	VERTICAL
3	5743.00	108.49			100.33	6.86	34.44	33.14	226	37	Peak	VERTICAL
4	5751.40	97.76			89.60	6.86	34.44	33.14	226	37	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.00	58.89	68.20	-9.31	50.79	6.81	34.41	33.12	209	339	Peak	VERTICAL
2	5722.20	58.53	78.20	-19.67	50.40	6.83	34.43	33.13	209	339	Peak	VERTICAL
3	5778.20	98.93			90.73	6.88	34.47	33.15	209	339	Average	VERTICAL
4	5782.60	110.01			101.80	6.90	34.47	33.16	209	339	Peak	VERTICAL
5	5853.60	59.86	78.20	-18.34	51.56	6.95	34.52	33.17	209	339	Peak	VERTICAL
6	5867.00	60.58	68.20	-7.62	52.27	6.97	34.52	33.18	209	339	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5830.60	100.00			91.74	6.92	34.50	33.16	221	14	Average	VERTICAL
2	5830.60	110.68			102.42	6.92	34.50	33.16	221	14	Peak	VERTICAL
3	5850.60	74.34	78.20	-3.86	66.05	6.95	34.51	33.17	221	14	Peak	VERTICAL
4	5864.60	66.89	68.20	-1.31	58.58	6.97	34.52	33.18	221	14	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5141.12	57.00	74.00	-17.00	50.14	6.17	33.74	33.05	210	359	Peak	VERTICAL
2	5150.00	47.66	54.00	-6.34	40.76	6.21	33.74	33.05	210	359	Average	VERTICAL
3	5174.20	97.73			90.75	6.24	33.79	33.05	210	359	Average	VERTICAL
4	5174.20	106.73			99.75	6.24	33.79	33.05	210	359	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.80	44.19	54.00	-9.81	37.41	6.14	33.69	33.05	209	301	Average	VERTICAL
2	5128.40	56.76	74.00	-17.24	49.93	6.17	33.71	33.05	209	301	Peak	VERTICAL
3	5197.20	111.49			104.45	6.27	33.82	33.05	209	301	Peak	VERTICAL
4	5205.20	100.44			93.40	6.27	33.82	33.05	209	301	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5000.00	44.79	54.00	-9.21	38.33	6.01	33.50	33.05	212	289	Average	VERTICAL
2	5030.00	58.01	74.00	-15.99	51.47	6.04	33.55	33.05	212	289	Peak	VERTICAL
3	5246.00	99.52			92.34	6.34	33.90	33.06	212	289	Average	VERTICAL
4	5247.00	110.15			102.97	6.34	33.90	33.06	212	289	Peak	VERTICAL
5	5397.00	45.47	54.00	-8.53	37.89	6.50	34.14	33.06	212	289	Average	VERTICAL
6	5412.00	58.72	74.00	-15.28	51.08	6.53	34.17	33.06	212	289	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.40	62.21	68.20	-5.99	54.09	6.83	34.42	33.13	225	33	Peak	VERTICAL
2	5723.00	77.09	78.20	-1.11	68.96	6.83	34.43	33.13	225	33	Peak	VERTICAL
3	5749.80	107.33			99.17	6.86	34.44	33.14	225	33	Peak	VERTICAL
4	5753.00	96.90			88.72	6.86	34.46	33.14	225	33	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5706.20	59.48	68.20	-8.72	51.36	6.83	34.42	33.13	140	101	Peak	VERTICAL
2	5723.00	58.47	78.20	-19.73	50.34	6.83	34.43	33.13	140	101	Peak	VERTICAL
3	5779.00	109.35			101.15	6.88	34.47	33.15	140	101	Peak	VERTICAL
4	5779.40	98.21			90.01	6.88	34.47	33.15	140	101	Average	VERTICAL
5	5852.00	59.47	78.20	-18.73	51.18	6.95	34.51	33.17	140	101	Peak	VERTICAL
6	5861.40	59.63	68.20	-8.57	51.32	6.97	34.52	33.18	140	101	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5618.00	60.00	68.20	-8.20	51.99	6.74	34.37	33.10	148	101	Peak	VERTICAL
2	5724.00	57.91	78.20	-20.29	49.78	6.83	34.43	33.13	148	101	Peak	VERTICAL
3	5832.00	98.20			89.94	6.92	34.50	33.16	148	101	Average	VERTICAL
4	5832.00	109.84			101.58	6.92	34.50	33.16	148	101	Peak	VERTICAL
5	5850.00	75.19	78.20	-3.01	66.90	6.95	34.51	33.17	148	101	Peak	VERTICAL
6	5860.00	67.01	68.20	-1.19	58.70	6.97	34.52	33.18	148	101	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	50.72	54.00	-3.28	43.82	6.21	33.74	33.05	208	328	Average	VERTICAL
2	5150.00	67.10	74.00	-6.90	60.20	6.21	33.74	33.05	208	328	Peak	VERTICAL
3	5202.00	105.99			98.95	6.27	33.82	33.05	208	328	Peak	VERTICAL
4	5203.00	95.25			88.21	6.27	33.82	33.05	208	328	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	4999.00	44.52	54.00	-9.48	38.06	6.01	33.50	33.05	204	300	Average	VERTICAL
2	5035.00	56.95	74.00	-17.05	50.41	6.04	33.55	33.05	204	300	Peak	VERTICAL
3	5244.00	107.89			100.74	6.30	33.90	33.05	204	300	Peak	VERTICAL
4	5245.00	96.36			89.21	6.30	33.90	33.05	204	300	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	66.98	68.20	-1.22	58.86	6.83	34.42	33.13	235	29	Peak	VERTICAL
2	5718.20	68.87	78.20	-9.33	60.74	6.83	34.43	33.13	235	29	Peak	VERTICAL
3	5768.20	94.40			86.21	6.88	34.46	33.15	235	29	Average	VERTICAL
4	5769.00	105.85			97.65	6.88	34.47	33.15	235	29	Peak	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.80	60.48	68.20	-7.72	52.36	6.83	34.42	33.13	252	19	Peak	VERTICAL
2	5724.60	62.38	78.20	-15.82	54.25	6.83	34.43	33.13	252	19	Peak	VERTICAL
3	5779.80	109.25			101.05	6.88	34.47	33.15	252	19	Peak	VERTICAL
4	5781.00	96.71			88.51	6.88	34.47	33.15	252	19	Average	VERTICAL
5	5851.00	66.87	78.20	-11.33	58.58	6.95	34.51	33.17	252	19	Peak	VERTICAL
6	5868.60	67.07	68.20	-1.13	58.76	6.97	34.52	33.18	252	19	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.00	66.77	74.00	-7.23	59.87	6.21	33.74	33.05	201	360	Peak	VERTICAL
2	5150.00	51.79	54.00	-2.21	44.89	6.21	33.74	33.05	201	360	Average	VERTICAL
3	5239.00	92.86			85.74	6.30	33.87	33.05	201	360	Average	VERTICAL
4	5240.00	105.21			98.09	6.30	33.87	33.05	201	360	Peak	VERTICAL
5	5350.00	46.79	54.00	-7.21	39.32	6.47	34.06	33.06	201	360	Average	VERTICAL
6	5451.00	59.46	74.00	-14.54	51.70	6.60	34.22	33.06	201	360	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.00	66.51	68.20	-1.69	58.39	6.83	34.42	33.13	247	17	Peak	VERTICAL
2	5725.00	66.60	78.20	-11.60	58.47	6.83	34.43	33.13	247	17	Peak	VERTICAL
3	5761.00	101.47			93.28	6.88	34.46	33.15	247	17	Peak	VERTICAL
4	5764.00	88.78			80.59	6.88	34.46	33.15	247	17	Average	VERTICAL
5	5850.00	67.36	78.20	-10.84	59.07	6.95	34.51	33.17	247	17	Peak	VERTICAL
6	5863.00	66.95	68.20	-1.25	58.64	6.97	34.52	33.18	247	17	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5092.00	48.50	54.00	-5.50	41.78	6.11	33.66	33.05	200	304	Average	VERTICAL
2	5096.40	60.81	74.00	-13.19	54.06	6.14	33.66	33.05	200	304	Peak	VERTICAL
3	5177.20	113.08			106.10	6.24	33.79	33.05	200	304	Peak	VERTICAL
4	5187.60	102.29			95.31	6.24	33.79	33.05	200	304	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.40	47.66	54.00	-6.34	40.88	6.14	33.69	33.05	216	306	Average	VERTICAL
2	5143.20	59.33	74.00	-14.67	52.47	6.17	33.74	33.05	216	306	Peak	VERTICAL
3	5202.40	112.97			105.93	6.27	33.82	33.05	216	306	Peak	VERTICAL
4	5202.80	102.73			95.69	6.27	33.82	33.05	216	306	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.00	59.28	74.00	-14.72	52.38	6.21	33.74	33.05	212	309	Peak	VERTICAL
2	5147.00	46.74	54.00	-7.26	39.84	6.21	33.74	33.05	212	309	Average	VERTICAL
3	5237.60	104.81			97.69	6.30	33.87	33.05	212	309	Average	VERTICAL
4	5237.60	115.35			108.23	6.30	33.87	33.05	212	309	Peak	VERTICAL
5	5354.60	60.95	74.00	-13.05	53.48	6.47	34.06	33.06	212	309	Peak	VERTICAL
6	5363.00	48.08	54.00	-5.92	40.58	6.47	34.09	33.06	212	309	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.80	64.44	68.20	-3.76	56.32	6.83	34.42	33.13	214	313	Peak	VERTICAL
2	5723.80	77.04	78.20	-1.16	68.91	6.83	34.43	33.13	214	313	Peak	VERTICAL
3	5738.60	99.49			91.33	6.86	34.44	33.14	214	313	Average	VERTICAL
4	5743.60	110.38			102.22	6.86	34.44	33.14	214	313	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.00	62.65	68.20	-5.55	54.53	6.83	34.42	33.13	215	317	Peak	VERTICAL
2	5717.80	61.77	78.20	-16.43	53.64	6.83	34.43	33.13	215	317	Peak	VERTICAL
3	5788.20	101.66			93.44	6.90	34.48	33.16	215	317	Average	VERTICAL
4	5788.60	112.19			103.97	6.90	34.48	33.16	215	317	Peak	VERTICAL
5	5856.40	61.03	78.20	-17.17	52.73	6.95	34.52	33.17	215	317	Peak	VERTICAL
6	5859.40	62.20	78.20	-16.00	53.89	6.97	34.52	33.18	215	317	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5823.60	101.73			93.47	6.92	34.50	33.16	216	317	Average	VERTICAL
2	5828.80	112.72			104.46	6.92	34.50	33.16	216	317	Peak	VERTICAL
3	5851.00	71.40	78.20	-6.80	63.11	6.95	34.51	33.17	216	317	Peak	VERTICAL
4	5864.60	66.16	68.20	-2.04	57.85	6.97	34.52	33.18	216	317	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.60	64.28	74.00	-9.72	57.38	6.21	33.74	33.05	212	303	Peak	VERTICAL
2	5149.00	49.78	54.00	-4.22	42.88	6.21	33.74	33.05	212	303	Average	VERTICAL
3	5186.20	101.37			94.39	6.24	33.79	33.05	212	303	Average	VERTICAL
4	5186.20	112.01			105.03	6.24	33.79	33.05	212	303	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5111.20	60.27	74.00	-13.73	53.49	6.14	33.69	33.05	212	306	Peak	VERTICAL
2	5113.60	47.67	54.00	-6.33	40.89	6.14	33.69	33.05	212	306	Average	VERTICAL
3	5201.60	101.90			94.86	6.27	33.82	33.05	212	306	Average	VERTICAL
4	5204.00	112.79			105.75	6.27	33.82	33.05	212	306	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.40	59.95	74.00	-14.05	53.05	6.21	33.74	33.05	218	307	Peak	VERTICAL
2	5150.00	46.71	54.00	-7.29	39.81	6.21	33.74	33.05	218	307	Average	VERTICAL
3	5238.80	103.13			96.01	6.30	33.87	33.05	218	307	Average	VERTICAL
4	5243.60	113.86			106.71	6.30	33.90	33.05	218	307	Peak	VERTICAL
5	5359.40	48.01	54.00	-5.99	40.54	6.47	34.06	33.06	218	307	Average	VERTICAL
6	5365.40	60.79	74.00	-13.21	53.29	6.47	34.09	33.06	218	307	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.40	61.54	68.20	-6.66	53.42	6.83	34.42	33.13	215	318	Peak	VERTICAL
2	5721.80	77.09	78.20	-1.11	68.96	6.83	34.43	33.13	215	318	Peak	VERTICAL
3	5739.40	99.09			90.93	6.86	34.44	33.14	215	318	Average	VERTICAL
4	5741.80	109.80			101.64	6.86	34.44	33.14	215	318	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.00	60.35	68.20	-7.85	52.23	6.83	34.42	33.13	190	316	Peak	VERTICAL
2	5720.20	59.12	78.20	-19.08	50.99	6.83	34.43	33.13	190	316	Peak	VERTICAL
3	5777.00	111.10			102.90	6.88	34.47	33.15	190	316	Peak	VERTICAL
4	5779.00	100.66			92.46	6.88	34.47	33.15	190	316	Average	VERTICAL
5	5852.80	59.53	78.20	-18.67	51.24	6.95	34.51	33.17	190	316	Peak	VERTICAL
6	5871.40	60.10	68.20	-8.10	51.78	6.97	34.53	33.18	190	316	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5819.40	100.41			92.16	6.92	34.49	33.16	206	314	Average	VERTICAL
2	5819.40	111.33			103.08	6.92	34.49	33.16	206	314	Peak	VERTICAL
3	5850.00	76.45	78.20	-1.75	68.16	6.95	34.51	33.17	206	314	Peak	VERTICAL
4	5862.20	66.00	68.20	-2.20	57.69	6.97	34.52	33.18	206	314	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.80	69.69	74.00	-4.31	62.79	6.21	33.74	33.05	224	304	Peak	VERTICAL
2	5148.80	52.96	54.00	-1.04	46.06	6.21	33.74	33.05	224	304	Average	VERTICAL
3	5204.00	98.64			91.60	6.27	33.82	33.05	224	304	Average	VERTICAL
4	5204.00	110.00			102.96	6.27	33.82	33.05	224	304	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.80	56.71	74.00	-17.29	49.85	6.17	33.74	33.05	223	36	Peak	VERTICAL
2	5149.60	44.05	54.00	-9.95	37.15	6.21	33.74	33.05	223	36	Average	VERTICAL
3	5222.40	111.56			104.46	6.30	33.85	33.05	223	36	Peak	VERTICAL
4	5234.80	99.87			92.75	6.30	33.87	33.05	223	36	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5706.60	66.74	68.20	-1.46	58.62	6.83	34.42	33.13	216	314	Peak	VERTICAL
2	5719.40	68.31	78.20	-9.89	60.18	6.83	34.43	33.13	216	314	Peak	VERTICAL
3	5739.40	92.46			84.30	6.86	34.44	33.14	216	314	Average	VERTICAL
4	5741.80	104.35			96.19	6.86	34.44	33.14	216	314	Peak	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.00	59.55	68.20	-8.65	51.43	6.83	34.42	33.13	220	32	Peak	VERTICAL
2	5721.40	64.45	78.20	-13.75	56.32	6.83	34.43	33.13	220	32	Peak	VERTICAL
3	5777.80	96.25			88.05	6.88	34.47	33.15	220	32	Average	VERTICAL
4	5780.60	107.36			99.16	6.88	34.47	33.15	220	32	Peak	VERTICAL
5	5855.80	67.05	78.20	-11.15	58.75	6.95	34.52	33.17	220	32	Peak	VERTICAL
6	5862.60	66.47	68.20	-1.73	58.16	6.97	34.52	33.18	220	32	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.00	64.58	74.00	-9.42	57.68	6.21	33.74	33.05	215	307	Peak	VERTICAL
2	5149.00	52.53	54.00	-1.47	45.63	6.21	33.74	33.05	215	307	Average	VERTICAL
3	5239.00	97.07			89.95	6.30	33.87	33.05	215	307	Average	VERTICAL
4	5239.00	106.62			99.50	6.30	33.87	33.05	215	307	Peak	VERTICAL
5	5354.00	50.43	54.00	-3.57	42.96	6.47	34.06	33.06	215	307	Average	VERTICAL
6	5355.00	61.09	74.00	-12.91	53.62	6.47	34.06	33.06	215	307	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	66.84	68.20	-1.36	58.72	6.83	34.42	33.13	222	316	Peak	VERTICAL
2	5717.00	67.88	78.20	-10.32	59.76	6.83	34.42	33.13	222	316	Peak	VERTICAL
3	5739.00	91.11			82.95	6.86	34.44	33.14	222	316	Average	VERTICAL
4	5739.00	100.95			92.79	6.86	34.44	33.14	222	316	Peak	VERTICAL
5	5853.00	60.77	78.20	-17.43	52.48	6.95	34.51	33.17	222	316	Peak	VERTICAL
6	5860.00	60.43	68.20	-7.77	52.12	6.97	34.52	33.18	222	316	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 06, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.80	51.10	54.00	-2.90	44.20	6.21	33.74	33.05	191	44	Average	VERTICAL
2	5150.00	70.73	74.00	-3.27	63.83	6.21	33.74	33.05	191	44	Peak	VERTICAL
3	5178.80	115.95			108.97	6.24	33.79	33.05	191	44	Peak	VERTICAL
4	5179.00	105.14			98.16	6.24	33.79	33.05	191	44	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5118.80	48.70	54.00	-5.30	41.89	6.17	33.69	33.05	177	47	Average	VERTICAL
2	5119.20	60.71	74.00	-13.29	53.90	6.17	33.69	33.05	177	47	Peak	VERTICAL
3	5199.20	104.78			97.74	6.27	33.82	33.05	177	47	Average	VERTICAL
4	5199.20	115.22			108.18	6.27	33.82	33.05	177	47	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5107.40	59.52	74.00	-14.48	52.74	6.14	33.69	33.05	170	217	Peak	VERTICAL
2	5144.60	45.98	54.00	-8.02	39.08	6.21	33.74	33.05	170	217	Average	VERTICAL
3	5243.60	106.01			98.86	6.30	33.90	33.05	170	217	Average	VERTICAL
4	5244.20	116.69			109.54	6.30	33.90	33.05	170	217	Peak	VERTICAL
5	5354.00	47.94	54.00	-6.06	40.47	6.47	34.06	33.06	170	217	Average	VERTICAL
6	5366.00	60.86	74.00	-13.14	53.36	6.47	34.09	33.06	170	217	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 06, 2015 ~ Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.80	65.27	68.20	-2.93	57.15	6.83	34.42	33.13	166	220	Peak	VERTICAL
2	5724.80	77.01	78.20	-1.19	68.88	6.83	34.43	33.13	166	220	Peak	VERTICAL
3	5747.40	113.51			105.35	6.86	34.44	33.14	166	220	Peak	VERTICAL
4	5747.60	103.20			95.04	6.86	34.44	33.14	166	220	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5706.60	62.79	68.20	-5.41	54.67	6.83	34.42	33.13	177	221	Peak	VERTICAL
2	5723.00	61.25	78.20	-16.95	53.12	6.83	34.43	33.13	177	221	Peak	VERTICAL
3	5787.40	116.70			108.48	6.90	34.48	33.16	177	221	Peak	VERTICAL
4	5787.80	106.65			98.43	6.90	34.48	33.16	177	221	Average	VERTICAL
5	5850.80	62.12	78.20	-16.08	53.83	6.95	34.51	33.17	177	221	Peak	VERTICAL
6	5867.00	63.37	68.20	-4.83	55.06	6.97	34.52	33.18	177	221	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5826.20	115.71			107.45	6.92	34.50	33.16	178	223	Peak	VERTICAL
2	5827.00	105.95			97.69	6.92	34.50	33.16	178	223	Average	VERTICAL
3	5850.00	73.57	78.20	-4.63	65.28	6.95	34.51	33.17	178	223	Peak	VERTICAL
4	5868.20	67.14	68.20	-1.06	58.83	6.97	34.52	33.18	178	223	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.40	66.19	74.00	-7.81	59.29	6.21	33.74	33.05	187	37	Peak	VERTICAL
2	5147.60	50.59	54.00	-3.41	43.69	6.21	33.74	33.05	187	37	Average	VERTICAL
3	5187.60	104.33			97.35	6.24	33.79	33.05	187	37	Average	VERTICAL
4	5187.60	115.04			108.06	6.24	33.79	33.05	187	37	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5116.40	46.83	54.00	-7.17	40.05	6.14	33.69	33.05	155	136	Average	VERTICAL
2	5116.80	60.27	74.00	-13.73	53.49	6.14	33.69	33.05	155	136	Peak	VERTICAL
3	5202.80	115.99			108.95	6.27	33.82	33.05	155	136	Peak	VERTICAL
4	5207.20	105.43			98.39	6.27	33.82	33.05	155	136	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5100.80	59.37	74.00	-14.63	52.62	6.14	33.66	33.05	127	135	Peak	VERTICAL
2	5149.40	47.17	54.00	-6.83	40.27	6.21	33.74	33.05	127	135	Average	VERTICAL
3	5232.20	117.60			110.48	6.30	33.87	33.05	127	135	Peak	VERTICAL
4	5237.60	107.99			100.87	6.30	33.87	33.05	127	135	Average	VERTICAL
5	5350.00	48.79	54.00	-5.21	41.32	6.47	34.06	33.06	127	135	Average	VERTICAL
6	5363.00	60.55	74.00	-13.45	53.05	6.47	34.09	33.06	127	135	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	62.85	68.20	-5.35	54.73	6.83	34.42	33.13	173	220	Peak	VERTICAL
2	5723.80	77.15	78.20	-1.05	69.02	6.83	34.43	33.13	173	220	Peak	VERTICAL
3	5743.40	111.90			103.74	6.86	34.44	33.14	173	220	Peak	VERTICAL
4	5753.40	102.37			94.19	6.86	34.46	33.14	173	220	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5690.60	61.58	68.20	-6.62	53.48	6.81	34.41	33.12	177	30	Peak	VERTICAL
2	5723.80	60.98	78.20	-17.22	52.85	6.83	34.43	33.13	177	30	Peak	VERTICAL
3	5777.40	115.73			107.53	6.88	34.47	33.15	177	30	Peak	VERTICAL
4	5777.80	105.54			97.34	6.88	34.47	33.15	177	30	Average	VERTICAL
5	5850.60	62.28	78.20	-15.92	53.99	6.95	34.51	33.17	177	30	Peak	VERTICAL
6	5861.80	62.12	68.20	-6.08	53.81	6.97	34.52	33.18	177	30	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5818.20	104.78			96.53	6.92	34.49	33.16	192	215	Average	VERTICAL
2	5828.20	114.61			106.35	6.92	34.50	33.16	192	215	Peak	VERTICAL
3	5850.00	76.59	78.20	-1.61	68.30	6.95	34.51	33.17	192	215	Peak	VERTICAL
4	5861.80	67.08	68.20	-1.12	58.77	6.97	34.52	33.18	192	215	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna 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	52.83	54.00	-1.17	45.93	6.21	33.74	33.05	174	132	Average	VERTICAL
2	5147.20	69.73	74.00	-4.27	62.83	6.21	33.74	33.05	174	132	Peak	VERTICAL
3	5202.80	101.48			94.44	6.27	33.82	33.05	174	132	Average	VERTICAL
4	5202.80	111.52			104.48	6.27	33.82	33.05	174	132	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5076.40	60.12	74.00	-13.88	53.43	6.11	33.63	33.05	153	137	Peak	VERTICAL
2	5146.80	47.97	54.00	-6.03	41.07	6.21	33.74	33.05	153	137	Average	VERTICAL
3	5242.00	105.86			98.71	6.30	33.90	33.05	153	137	Average	VERTICAL
4	5246.80	115.03			107.85	6.34	33.90	33.06	153	137	Peak	VERTICAL
5	5378.00	50.69	54.00	-3.31	43.14	6.50	34.11	33.06	153	137	Average	VERTICAL
6	5387.60	62.30	74.00	-11.70	54.75	6.50	34.11	33.06	153	137	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.40	66.98	68.20	-1.22	58.86	6.83	34.42	33.13	226	41	Peak	VERTICAL
2	5715.40	70.03	78.20	-8.17	61.91	6.83	34.42	33.13	226	41	Peak	VERTICAL
3	5770.20	99.43			91.23	6.88	34.47	33.15	226	41	Average	VERTICAL
4	5770.20	109.56			101.36	6.88	34.47	33.15	226	41	Peak	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.20	61.67	68.20	-6.53	53.55	6.83	34.42	33.13	187	217	Peak	VERTICAL
2	5724.20	65.15	78.20	-13.05	57.02	6.83	34.43	33.13	187	217	Peak	VERTICAL
3	5783.40	102.41			94.20	6.90	34.47	33.16	187	217	Average	VERTICAL
4	5783.40	112.86			104.65	6.90	34.47	33.16	187	217	Peak	VERTICAL
5	5852.60	69.43	78.20	-8.77	61.14	6.95	34.51	33.17	187	217	Peak	VERTICAL
6	5863.00	67.19	68.20	-1.01	58.88	6.97	34.52	33.18	187	217	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 07, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.00	65.13	74.00	-8.87	58.23	6.21	33.74	33.05	207	46	Peak	VERTICAL
2	5146.00	52.90	54.00	-1.10	46.00	6.21	33.74	33.05	207	46	Average	VERTICAL
3	5240.00	108.34			101.22	6.30	33.87	33.05	207	46	Peak	VERTICAL
4	5241.00	99.07			91.95	6.30	33.87	33.05	207	46	Average	VERTICAL
5	5351.00	50.64	54.00	-3.36	43.17	6.47	34.06	33.06	207	46	Average	VERTICAL
6	5363.00	61.46	74.00	-12.54	53.96	6.47	34.09	33.06	207	46	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.00	67.13	68.20	-1.07	59.01	6.83	34.42	33.13	173	220	Peak	VERTICAL
2	5719.00	67.73	78.20	-10.47	59.60	6.83	34.43	33.13	173	220	Peak	VERTICAL
3	5764.00	94.93			86.74	6.88	34.46	33.15	173	220	Average	VERTICAL
4	5789.00	105.13			96.91	6.90	34.48	33.16	173	220	Peak	VERTICAL
5	5859.00	64.76	78.20	-13.44	56.45	6.97	34.52	33.18	173	220	Peak	VERTICAL
6	5871.00	64.39	68.20	-3.81	56.07	6.97	34.53	33.18	173	220	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 06, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5103.20	50.60	54.00	-3.40	43.85	6.14	33.66	33.05	132	232	Average	VERTICAL
2	5143.60	62.63	74.00	-11.37	55.77	6.17	33.74	33.05	132	232	Peak	VERTICAL
3	5182.80	116.59			109.61	6.24	33.79	33.05	132	232	Peak	VERTICAL
4	5183.60	106.15			99.17	6.24	33.79	33.05	132	232	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5123.20	49.91	54.00	-4.09	43.08	6.17	33.71	33.05	207	316	Average	VERTICAL
2	5123.20	61.79	74.00	-12.21	54.96	6.17	33.71	33.05	207	316	Peak	VERTICAL
3	5202.80	118.37			111.33	6.27	33.82	33.05	207	316	Peak	VERTICAL
4	5203.60	108.47			101.43	6.27	33.82	33.05	207	316	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.40	59.19	74.00	-14.81	52.29	6.21	33.74	33.05	220	317	Peak	VERTICAL
2	5148.20	46.45	54.00	-7.55	39.55	6.21	33.74	33.05	220	317	Average	VERTICAL
3	5243.00	109.49			102.34	6.30	33.90	33.05	220	317	Average	VERTICAL
4	5243.60	119.58			112.43	6.30	33.90	33.05	220	317	Peak	VERTICAL
5	5350.00	48.12	54.00	-5.88	40.65	6.47	34.06	33.06	220	317	Average	VERTICAL
6	5366.60	61.66	74.00	-12.34	54.16	6.47	34.09	33.06	220	317	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 06, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.60	67.13	68.20	-1.07	59.01	6.83	34.42	33.13	215	2	Peak	VERTICAL
2	5725.00	77.19	78.20	-1.01	69.06	6.83	34.43	33.13	215	2	Peak	VERTICAL
3	5737.40	105.93			97.77	6.86	34.44	33.14	215	2	Average	VERTICAL
4	5738.20	116.16			108.00	6.86	34.44	33.14	215	2	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.60	64.15	68.20	-4.05	56.03	6.83	34.42	33.13	202	319	Peak	VERTICAL
2	5722.60	61.59	78.20	-16.61	53.46	6.83	34.43	33.13	202	319	Peak	VERTICAL
3	5791.00	107.18			98.96	6.90	34.48	33.16	202	319	Average	VERTICAL
4	5791.00	117.93			109.71	6.90	34.48	33.16	202	319	Peak	VERTICAL
5	5852.00	62.84	78.20	-15.36	54.55	6.95	34.51	33.17	202	319	Peak	VERTICAL
6	5870.60	63.36	68.20	-4.84	55.04	6.97	34.53	33.18	202	319	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5829.80	118.21			109.95	6.92	34.50	33.16	203	323	Peak	VERTICAL
2	5830.20	107.26			99.00	6.92	34.50	33.16	203	323	Average	VERTICAL
3	5851.80	73.99	78.20	-4.21	65.70	6.95	34.51	33.17	203	323	Peak	VERTICAL
4	5870.20	67.04	68.20	-1.16	58.73	6.97	34.52	33.18	203	323	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 06, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.20	60.72	74.00	-13.28	53.82	6.21	33.74	33.05	185	35	Peak	VERTICAL
2	5149.20	47.65	54.00	-6.35	40.75	6.21	33.74	33.05	185	35	Average	VERTICAL
3	5174.00	109.63			102.65	6.24	33.79	33.05	185	35	Peak	VERTICAL
4	5174.20	99.59			92.61	6.24	33.79	33.05	185	35	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.00	46.42	54.00	-7.58	39.52	6.21	33.74	33.05	186	36	Average	VERTICAL
2	5148.40	58.39	74.00	-15.61	51.49	6.21	33.74	33.05	186	36	Peak	VERTICAL
3	5204.00	99.50			92.46	6.27	33.82	33.05	186	36	Average	VERTICAL
4	5204.00	109.67			102.63	6.27	33.82	33.05	186	36	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5109.20	56.27	74.00	-17.73	49.49	6.14	33.69	33.05	207	37	Peak	VERTICAL
2	5149.40	44.07	54.00	-9.93	37.17	6.21	33.74	33.05	207	37	Average	VERTICAL
3	5238.80	111.99			104.87	6.30	33.87	33.05	207	37	Peak	VERTICAL
4	5244.20	102.08			94.93	6.30	33.90	33.05	207	37	Average	VERTICAL
5	5355.20	46.00	54.00	-8.00	38.53	6.47	34.06	33.06	207	37	Average	VERTICAL
6	5377.40	58.65	74.00	-15.35	51.12	6.50	34.09	33.06	207	37	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 06, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.60	63.93	68.20	-4.27	55.81	6.83	34.42	33.13	201	129	Peak	VERTICAL
2	5723.80	77.11	78.20	-1.09	68.98	6.83	34.43	33.13	201	129	Peak	VERTICAL
3	5738.40	103.09			94.93	6.86	34.44	33.14	201	129	Average	VERTICAL
4	5748.20	113.75			105.59	6.86	34.44	33.14	201	129	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.20	59.65	68.20	-8.55	51.55	6.81	34.41	33.12	204	33	Peak	VERTICAL
2	5725.00	57.95	78.20	-20.25	49.82	6.83	34.43	33.13	204	33	Peak	VERTICAL
3	5783.80	100.78			92.57	6.90	34.47	33.16	204	33	Average	VERTICAL
4	5789.00	111.44			103.22	6.90	34.48	33.16	204	33	Peak	VERTICAL
5	5855.00	59.76	78.20	-18.44	51.46	6.95	34.52	33.17	204	33	Peak	VERTICAL
6	5860.00	59.63	68.20	-8.57	51.32	6.97	34.52	33.18	204	33	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5818.20	105.69			97.44	6.92	34.49	33.16	196	216	Average	VERTICAL
2	5828.60	115.91			107.65	6.92	34.50	33.16	196	216	Peak	VERTICAL
3	5850.60	74.38	78.20	-3.82	66.09	6.95	34.51	33.17	196	216	Peak	VERTICAL
4	5861.00	67.09	68.20	-1.11	58.78	6.97	34.52	33.18	196	216	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 06, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna 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	71.77	74.00	-2.23	64.91	6.17	33.74	33.05	210	26	Peak	VERTICAL
2	5148.80	52.00	54.00	-2.00	45.10	6.21	33.74	33.05	210	26	Average	VERTICAL
3	5204.00	102.99			95.95	6.27	33.82	33.05	210	26	Average	VERTICAL
4	5204.00	112.60			105.56	6.27	33.82	33.05	210	26	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5141.60	59.91	74.00	-14.09	53.05	6.17	33.74	33.05	208	37	Peak	VERTICAL
2	5146.00	48.26	54.00	-5.74	41.36	6.21	33.74	33.05	208	37	Average	VERTICAL
3	5246.80	103.89			96.71	6.34	33.90	33.06	208	37	Average	VERTICAL
4	5247.20	113.49			106.31	6.34	33.90	33.06	208	37	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 06, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	67.13	68.20	-1.07	59.01	6.83	34.42	33.13	206	359	Peak	VERTICAL
2	5716.60	67.92	78.20	-10.28	59.80	6.83	34.42	33.13	206	359	Peak	VERTICAL
3	5767.00	97.07			88.88	6.88	34.46	33.15	206	359	Average	VERTICAL
4	5767.40	108.22			100.03	6.88	34.46	33.15	206	359	Peak	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.60	62.31	68.20	-5.89	54.19	6.83	34.42	33.13	203	58	Peak	VERTICAL
2	5721.40	63.95	78.20	-14.25	55.82	6.83	34.43	33.13	203	58	Peak	VERTICAL
3	5793.00	112.20			103.98	6.90	34.48	33.16	203	58	Peak	VERTICAL
4	5798.60	102.09			93.87	6.90	34.48	33.16	203	58	Average	VERTICAL
5	5851.40	69.88	78.20	-8.32	61.59	6.95	34.51	33.17	203	58	Peak	VERTICAL
6	5867.80	66.98	68.20	-1.22	58.67	6.97	34.52	33.18	203	58	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 06, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5119.00	65.54	74.00	-8.46	58.73	6.17	33.69	33.05	196	39	Peak	VERTICAL
2	5131.00	52.88	54.00	-1.12	46.05	6.17	33.71	33.05	196	39	Average	VERTICAL
3	5233.00	99.48			92.36	6.30	33.87	33.05	196	39	Average	VERTICAL
4	5242.00	109.71			102.56	6.30	33.90	33.05	196	39	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.00	67.12	68.20	-1.08	59.02	6.81	34.41	33.12	208	331	Peak	VERTICAL
2	5717.00	68.74	78.20	-9.46	60.62	6.83	34.42	33.13	208	331	Peak	VERTICAL
3	5787.00	94.32			86.10	6.90	34.48	33.16	208	331	Average	VERTICAL
4	5787.00	104.29			96.07	6.90	34.48	33.16	208	331	Peak	VERTICAL
5	5857.00	64.96	78.20	-13.24	56.66	6.95	34.52	33.17	208	331	Peak	VERTICAL
6	5865.00	64.92	68.20	-3.28	56.61	6.97	34.52	33.18	208	331	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.80	60.15	74.00	-13.85	53.25	6.21	33.74	33.05	205	225	Peak	VERTICAL
2	5150.00	46.29	54.00	-7.71	39.39	6.21	33.74	33.05	205	225	Average	VERTICAL
3	5173.20	98.09			91.13	6.24	33.77	33.05	205	225	Average	VERTICAL
4	5178.00	109.89			102.91	6.24	33.79	33.05	205	225	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5114.00	43.30	54.00	-10.70	36.52	6.14	33.69	33.05	200	229	Average	VERTICAL
2	5148.80	55.45	74.00	-18.55	48.55	6.21	33.74	33.05	200	229	Peak	VERTICAL
3	5206.40	98.71			91.67	6.27	33.82	33.05	200	229	Average	VERTICAL
4	5206.80	109.08			102.04	6.27	33.82	33.05	200	229	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5098.40	54.50	74.00	-19.50	47.75	6.14	33.66	33.05	201	326	Peak	HORIZONTAL
2	5150.00	42.17	54.00	-11.83	35.27	6.21	33.74	33.05	201	326	Average	HORIZONTAL
3	5232.80	88.02			80.90	6.30	33.87	33.05	201	326	Average	HORIZONTAL
4	5234.60	97.41			90.29	6.30	33.87	33.05	201	326	Peak	HORIZONTAL
5	5351.60	44.58	54.00	-9.42	37.11	6.47	34.06	33.06	201	326	Average	HORIZONTAL
6	5373.20	56.47	74.00	-17.53	48.97	6.47	34.09	33.06	201	326	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	62.17	74.00	-11.83	54.05	6.83	34.42	33.13	201	226	Peak	VERTICAL
2	5715.00	47.74	54.00	-6.26	39.62	6.83	34.42	33.13	201	226	Average	VERTICAL
3	5723.40	76.99	78.20	-1.21	68.86	6.83	34.43	33.13	201	226	Peak	VERTICAL
4	5741.40	96.03			87.87	6.86	34.44	33.14	201	226	Average	VERTICAL
5	5743.00	106.47			98.31	6.86	34.44	33.14	201	226	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.60	44.42	54.00	-9.58	36.31	6.81	34.42	33.12	200	227	Average	VERTICAL
2	5703.40	57.82	74.00	-16.18	49.71	6.81	34.42	33.12	200	227	Peak	VERTICAL
3	5722.20	57.00	78.20	-21.20	48.87	6.83	34.43	33.13	200	227	Peak	VERTICAL
4	5786.60	108.32			100.10	6.90	34.48	33.16	200	227	Peak	VERTICAL
5	5791.80	97.19			88.97	6.90	34.48	33.16	200	227	Average	VERTICAL
6	5853.40	58.07	78.20	-20.13	49.78	6.95	34.51	33.17	200	227	Peak	VERTICAL
7	5862.20	57.83	74.00	-16.17	49.52	6.97	34.52	33.18	200	227	Peak	VERTICAL
8	5873.00	45.61	54.00	-8.39	37.29	6.97	34.53	33.18	200	227	Average	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5831.40	98.46			90.20	6.92	34.50	33.16	200	226	Average	VERTICAL
2	5831.80	108.87			100.61	6.92	34.50	33.16	200	226	Peak	VERTICAL
3	5850.00	72.56	78.20	-5.64	64.27	6.95	34.51	33.17	200	226	Peak	VERTICAL
4	5860.00	49.65	54.00	-4.35	41.34	6.97	34.52	33.18	200	226	Average	VERTICAL
5	5867.40	64.04	74.00	-9.96	55.73	6.97	34.52	33.18	200	226	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.00	59.10	74.00	-14.90	52.20	6.21	33.74	33.05	200	191	Peak	VERTICAL
2	5148.80	45.11	54.00	-8.89	38.21	6.21	33.74	33.05	200	191	Average	VERTICAL
3	5186.00	107.17			100.19	6.24	33.79	33.05	200	191	Peak	VERTICAL
4	5186.80	96.18			89.20	6.24	33.79	33.05	200	191	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5117.20	43.05	54.00	-10.95	36.27	6.14	33.69	33.05	200	231	Average	VERTICAL
2	5126.80	55.72	74.00	-18.28	48.89	6.17	33.71	33.05	200	231	Peak	VERTICAL
3	5204.80	107.74			100.70	6.27	33.82	33.05	200	231	Peak	VERTICAL
4	5207.20	97.58			90.54	6.27	33.82	33.05	200	231	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5111.00	55.52	74.00	-18.48	48.74	6.14	33.69	33.05	200	227	Peak	VERTICAL
2	5150.00	42.63	54.00	-11.37	35.73	6.21	33.74	33.05	200	227	Average	VERTICAL
3	5243.60	107.91			100.76	6.30	33.90	33.05	200	227	Peak	VERTICAL
4	5246.00	97.73			90.55	6.34	33.90	33.06	200	227	Average	VERTICAL
5	5350.40	44.35	54.00	-9.65	36.88	6.47	34.06	33.06	200	227	Average	VERTICAL
6	5354.60	57.60	74.00	-16.40	50.13	6.47	34.06	33.06	200	227	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.60	62.12	74.00	-11.88	54.00	6.83	34.42	33.13	202	196	Peak	VERTICAL
2	5714.60	47.84	54.00	-6.16	39.72	6.83	34.42	33.13	202	196	Average	VERTICAL
3	5724.60	75.62	78.20	-2.58	67.49	6.83	34.43	33.13	202	196	Peak	VERTICAL
4	5747.40	94.87			86.71	6.86	34.44	33.14	202	196	Average	VERTICAL
5	5748.60	104.95			96.79	6.86	34.44	33.14	202	196	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5689.00	57.49	74.00	-16.51	49.39	6.81	34.41	33.12	201	224	Peak	VERTICAL
2	5703.40	44.30	54.00	-9.70	36.19	6.81	34.42	33.12	201	224	Average	VERTICAL
3	5721.80	57.37	78.20	-20.83	49.24	6.83	34.43	33.13	201	224	Peak	VERTICAL
4	5791.80	96.73			88.51	6.90	34.48	33.16	201	224	Average	VERTICAL
5	5791.80	107.57			99.35	6.90	34.48	33.16	201	224	Peak	VERTICAL
6	5850.40	60.78	78.20	-17.42	52.49	6.95	34.51	33.17	201	224	Peak	VERTICAL
7	5871.40	45.43	54.00	-8.57	37.11	6.97	34.53	33.18	201	224	Average	VERTICAL
8	5878.60	58.30	74.00	-15.70	49.98	6.97	34.53	33.18	201	224	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5831.00	97.78			89.52	6.92	34.50	33.16	200	225	Average	VERTICAL
2	5832.20	109.41			101.15	6.92	34.50	33.16	200	225	Peak	VERTICAL
3	5850.60	72.05	78.20	-6.15	63.76	6.95	34.51	33.17	200	225	Peak	VERTICAL
4	5860.00	48.26	54.00	-5.74	39.95	6.97	34.52	33.18	200	225	Average	VERTICAL
5	5869.80	62.69	74.00	-11.31	54.38	6.97	34.52	33.18	200	225	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.80	68.11	74.00	-5.89	61.21	6.21	33.74	33.05	206	226	Peak	VERTICAL
2	5150.00	52.95	54.00	-1.05	46.05	6.21	33.74	33.05	206	226	Average	VERTICAL
3	5198.00	106.47			99.43	6.27	33.82	33.05	206	226	Peak	VERTICAL
4	5207.20	96.39			89.35	6.27	33.82	33.05	206	226	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5109.40	56.57	74.00	-17.43	49.79	6.14	33.69	33.05	211	222	Peak	VERTICAL
2	5147.80	44.03	54.00	-9.97	37.13	6.21	33.74	33.05	211	222	Average	VERTICAL
3	5237.80	105.74			98.62	6.30	33.87	33.05	211	222	Peak	VERTICAL
4	5244.40	96.08			88.93	6.30	33.90	33.05	211	222	Average	VERTICAL
5	5372.80	45.58	54.00	-8.42	38.08	6.47	34.09	33.06	211	222	Average	VERTICAL
6	5375.20	57.83	74.00	-16.17	50.30	6.50	34.09	33.06	211	222	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.60	70.07	74.00	-3.93	61.95	6.83	34.42	33.13	200	171	Peak	VERTICAL
2	5715.00	52.90	54.00	-1.10	44.78	6.83	34.42	33.13	200	171	Average	VERTICAL
3	5725.00	69.13	78.20	-9.07	61.00	6.83	34.43	33.13	200	171	Peak	VERTICAL
4	5768.60	102.02			93.82	6.88	34.47	33.15	200	171	Peak	VERTICAL
5	5772.20	91.87			83.67	6.88	34.47	33.15	200	171	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.60	45.54	54.00	-8.46	37.42	6.83	34.42	33.13	262	234	Average	VERTICAL
2	5714.60	59.70	74.00	-14.30	51.58	6.83	34.42	33.13	262	234	Peak	VERTICAL
3	5722.20	60.94	78.20	-17.26	52.81	6.83	34.43	33.13	262	234	Peak	VERTICAL
4	5809.00	105.66			97.41	6.92	34.49	33.16	262	234	Peak	VERTICAL
5	5810.60	96.16			87.91	6.92	34.49	33.16	262	234	Average	VERTICAL
6	5852.60	67.72	78.20	-10.48	59.43	6.95	34.51	33.17	262	234	Peak	VERTICAL
7	5860.00	52.14	54.00	-1.86	43.83	6.97	34.52	33.18	262	234	Average	VERTICAL
8	5868.60	65.61	74.00	-8.39	57.30	6.97	34.52	33.18	262	234	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.00	65.24	74.00	-8.76	58.34	6.21	33.74	33.05	201	225	Peak	VERTICAL
2	5150.00	52.82	54.00	-1.18	45.92	6.21	33.74	33.05	201	225	Average	VERTICAL
3	5200.40	92.92			85.88	6.27	33.82	33.05	201	225	Average	VERTICAL
4	5212.40	102.77			95.70	6.27	33.85	33.05	201	225	Peak	VERTICAL
5	5350.80	47.93	54.00	-6.07	40.46	6.47	34.06	33.06	201	225	Average	VERTICAL
6	5351.60	59.22	74.00	-14.78	51.75	6.47	34.06	33.06	201	225	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5703.80	65.84	68.20	-2.36	57.73	6.81	34.42	33.12	199	224	Peak	VERTICAL
2	5724.60	66.32	78.20	-11.88	58.19	6.83	34.43	33.13	199	224	Peak	VERTICAL
3	5787.00	89.36			81.14	6.90	34.48	33.16	199	224	Average	VERTICAL
4	5787.80	99.85			91.63	6.90	34.48	33.16	199	224	Peak	VERTICAL
5	5858.80	65.98	78.20	-12.22	57.67	6.97	34.52	33.18	199	224	Peak	VERTICAL
6	5865.40	66.92	68.20	-1.28	58.61	6.97	34.52	33.18	199	224	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.00	58.92	74.00	-15.08	52.02	6.21	33.74	33.05	200	225	Peak	VERTICAL
2	5147.80	46.09	54.00	-7.91	39.19	6.21	33.74	33.05	200	225	Average	VERTICAL
3	5177.80	106.28			99.30	6.24	33.79	33.05	200	225	Peak	VERTICAL
4	5186.40	95.11			88.13	6.24	33.79	33.05	200	225	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5124.00	45.78	54.00	-8.22	38.95	6.17	33.71	33.05	200	127	Average	HORIZONTAL
2	5148.80	57.98	74.00	-16.02	51.08	6.21	33.74	33.05	200	127	Peak	HORIZONTAL
3	5194.80	96.54			89.50	6.27	33.82	33.05	200	127	Average	HORIZONTAL
4	5194.80	107.87			100.83	6.27	33.82	33.05	200	127	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5105.60	45.17	54.00	-8.83	38.39	6.14	33.69	33.05	200	232	Average	VERTICAL
2	5124.20	58.09	74.00	-15.91	51.26	6.17	33.71	33.05	200	232	Peak	VERTICAL
3	5237.60	108.60			101.48	6.30	33.87	33.05	200	232	Peak	VERTICAL
4	5241.80	97.03			89.88	6.30	33.90	33.05	200	232	Average	VERTICAL
5	5367.20	60.02	74.00	-13.98	52.52	6.47	34.09	33.06	200	232	Peak	VERTICAL
6	5373.80	46.81	54.00	-7.19	39.28	6.50	34.09	33.06	200	232	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	46.58	54.00	-7.42	38.46	6.83	34.42	33.13	251	201	Average	HORIZONTAL
2	5715.00	60.10	74.00	-13.90	51.98	6.83	34.42	33.13	251	201	Peak	HORIZONTAL
3	5723.80	76.87	78.20	-1.33	68.74	6.83	34.43	33.13	251	201	Peak	HORIZONTAL
4	5739.80	95.94			87.78	6.86	34.44	33.14	251	201	Average	HORIZONTAL
5	5749.40	106.74			98.58	6.86	34.44	33.14	251	201	Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5703.40	44.80	54.00	-9.20	36.69	6.81	34.42	33.12	200	231	Average	VERTICAL
2	5705.40	57.95	74.00	-16.05	49.83	6.83	34.42	33.13	200	231	Peak	VERTICAL
3	5722.20	56.93	78.20	-21.27	48.80	6.83	34.43	33.13	200	231	Peak	VERTICAL
4	5787.00	107.32			99.10	6.90	34.48	33.16	200	231	Peak	VERTICAL
5	5789.40	96.25			88.03	6.90	34.48	33.16	200	231	Average	VERTICAL
6	5853.20	58.01	78.20	-20.19	49.72	6.95	34.51	33.17	200	231	Peak	VERTICAL
7	5871.00	45.53	54.00	-8.47	37.21	6.97	34.53	33.18	200	231	Average	VERTICAL
8	5876.60	58.22	74.00	-15.78	49.90	6.97	34.53	33.18	200	231	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5829.40	98.87			90.61	6.92	34.50	33.16	195	180	Average	HORIZONTAL
2	5829.80	110.34			102.08	6.92	34.50	33.16	195	180	Peak	HORIZONTAL
3	5850.00	71.23	78.20	-6.97	62.94	6.95	34.51	33.17	195	180	Peak	HORIZONTAL
4	5860.00	48.57	54.00	-5.43	40.26	6.97	34.52	33.18	195	180	Average	HORIZONTAL
5	5860.60	62.61	74.00	-11.39	54.30	6.97	34.52	33.18	195	180	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.40	44.39	54.00	-9.61	37.49	6.21	33.74	33.05	200	219	Average	VERTICAL
2	5148.80	56.47	74.00	-17.53	49.57	6.21	33.74	33.05	200	219	Peak	VERTICAL
3	5186.00	95.26			88.28	6.24	33.79	33.05	200	219	Average	VERTICAL
4	5187.60	105.58			98.60	6.24	33.79	33.05	200	219	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5114.80	56.24	74.00	-17.76	49.46	6.14	33.69	33.05	200	128	Peak	HORIZONTAL
2	5127.20	43.32	54.00	-10.68	36.49	6.17	33.71	33.05	200	128	Average	HORIZONTAL
3	5194.80	95.83			88.79	6.27	33.82	33.05	200	128	Average	HORIZONTAL
4	5197.20	107.31			100.27	6.27	33.82	33.05	200	128	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5113.40	42.54	54.00	-11.46	35.76	6.14	33.69	33.05	200	220	Average	VERTICAL
2	5125.40	55.41	74.00	-18.59	48.58	6.17	33.71	33.05	200	220	Peak	VERTICAL
3	5242.40	96.32			89.17	6.30	33.90	33.05	200	220	Average	VERTICAL
4	5242.40	106.84			99.69	6.30	33.90	33.05	200	220	Peak	VERTICAL
5	5373.20	57.00	74.00	-17.00	49.50	6.47	34.09	33.06	200	220	Peak	VERTICAL
6	5374.40	44.28	54.00	-9.72	36.75	6.50	34.09	33.06	200	220	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.00	59.18	74.00	-14.82	51.06	6.83	34.42	33.13	247	196	Peak	HORIZONTAL
2	5713.40	46.22	54.00	-7.78	38.10	6.83	34.42	33.13	247	196	Average	HORIZONTAL
3	5724.20	77.00	78.20	-1.20	68.87	6.83	34.43	33.13	247	196	Peak	HORIZONTAL
4	5742.60	106.86			98.70	6.86	34.44	33.14	247	196	Peak	HORIZONTAL
5	5750.20	94.89			86.73	6.86	34.44	33.14	247	196	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5701.40	44.72	54.00	-9.28	36.61	6.81	34.42	33.12	255	199	Average	HORIZONTAL
2	5715.00	60.37	74.00	-13.63	52.25	6.83	34.42	33.13	255	199	Peak	HORIZONTAL
3	5721.40	57.14	78.20	-21.06	49.01	6.83	34.43	33.13	255	199	Peak	HORIZONTAL
4	5777.80	98.07			89.87	6.88	34.47	33.15	255	199	Average	HORIZONTAL
5	5792.20	109.40			101.18	6.90	34.48	33.16	255	199	Peak	HORIZONTAL
6	5856.20	59.31	78.20	-18.89	51.01	6.95	34.52	33.17	255	199	Peak	HORIZONTAL
7	5863.00	45.82	54.00	-8.18	37.51	6.97	34.52	33.18	255	199	Average	HORIZONTAL
8	5864.20	58.77	74.00	-15.23	50.46	6.97	34.52	33.18	255	199	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5831.40	98.38			90.12	6.92	34.50	33.16	200	138	Average	HORIZONTAL
2	5831.80	110.01			101.75	6.92	34.50	33.16	200	138	Peak	HORIZONTAL
3	5851.00	74.23	78.20	-3.97	65.94	6.95	34.51	33.17	200	138	Peak	HORIZONTAL
4	5860.00	48.03	54.00	-5.97	39.72	6.97	34.52	33.18	200	138	Average	HORIZONTAL
5	5862.20	61.31	74.00	-12.69	53.00	6.97	34.52	33.18	200	138	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.80	70.13	74.00	-3.87	63.27	6.17	33.74	33.05	200	125	Peak	HORIZONTAL
2	5150.00	52.83	54.00	-1.17	45.93	6.21	33.74	33.05	200	125	Average	HORIZONTAL
3	5197.60	94.49			87.45	6.27	33.82	33.05	200	125	Average	HORIZONTAL
4	5202.80	105.19			98.15	6.27	33.82	33.05	200	125	Peak	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.00	56.69	74.00	-17.31	49.79	6.21	33.74	33.05	200	220	Peak	VERTICAL
2	5149.00	44.06	54.00	-9.94	37.16	6.21	33.74	33.05	200	220	Average	VERTICAL
3	5234.20	105.42			98.30	6.30	33.87	33.05	200	220	Peak	VERTICAL
4	5243.20	95.63			88.48	6.30	33.90	33.05	200	220	Average	VERTICAL
5	5374.00	45.70	54.00	-8.30	38.17	6.50	34.09	33.06	200	220	Average	VERTICAL
6	5375.20	57.14	74.00	-16.86	49.61	6.50	34.09	33.06	200	220	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	71.44	74.00	-2.56	63.32	6.83	34.42	33.13	249	182	Peak	HORIZONTAL
2	5715.00	52.93	54.00	-1.07	44.81	6.83	34.42	33.13	249	182	Average	HORIZONTAL
3	5724.20	70.81	78.20	-7.39	62.68	6.83	34.43	33.13	249	182	Peak	HORIZONTAL
4	5739.40	102.88			94.72	6.86	34.44	33.14	249	182	Peak	HORIZONTAL
5	5742.20	91.15			82.99	6.86	34.44	33.14	249	182	Average	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	45.55	54.00	-8.45	37.43	6.83	34.42	33.13	200	183	Average	HORIZONTAL
2	5715.00	58.84	74.00	-15.16	50.72	6.83	34.42	33.13	200	183	Peak	HORIZONTAL
3	5719.40	66.09	78.20	-12.11	57.96	6.83	34.43	33.13	200	183	Peak	HORIZONTAL
4	5802.20	95.55			87.33	6.90	34.48	33.16	200	183	Average	HORIZONTAL
5	5803.00	107.94			99.71	6.90	34.49	33.16	200	183	Peak	HORIZONTAL
6	5858.60	67.28	78.20	-10.92	58.97	6.97	34.52	33.18	200	183	Peak	HORIZONTAL
7	5861.00	52.02	54.00	-1.98	43.71	6.97	34.52	33.18	200	183	Average	HORIZONTAL
8	5865.80	66.56	74.00	-7.44	58.25	6.97	34.52	33.18	200	183	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.00	52.73	54.00	-1.27	45.83	6.21	33.74	33.05	200	101	Average	HORIZONTAL
2	5147.60	64.60	74.00	-9.40	57.70	6.21	33.74	33.05	200	101	Peak	HORIZONTAL
3	5221.20	101.67			94.57	6.30	33.85	33.05	200	101	Peak	HORIZONTAL
4	5222.80	91.54			84.44	6.30	33.85	33.05	200	101	Average	HORIZONTAL
5	5366.80	46.11	54.00	-7.89	38.61	6.47	34.09	33.06	200	101	Average	HORIZONTAL
6	5366.80	56.56	74.00	-17.44	49.06	6.47	34.09	33.06	200	101	Peak	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.20	66.08	68.20	-2.12	57.97	6.81	34.42	33.12	200	184	Peak	HORIZONTAL
2	5721.40	67.41	78.20	-10.79	59.28	6.83	34.43	33.13	200	184	Peak	HORIZONTAL
3	5802.20	89.09			80.87	6.90	34.48	33.16	200	184	Average	HORIZONTAL
4	5802.20	99.71			91.49	6.90	34.48	33.16	200	184	Peak	HORIZONTAL
5	5850.00	68.04	78.20	-10.16	59.75	6.95	34.51	33.17	200	184	Peak	HORIZONTAL
6	5860.00	66.93	68.20	-1.27	58.62	6.97	34.52	33.18	200	184	Peak	HORIZONTAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.80	47.67	54.00	-6.33	40.77	6.21	33.74	33.05	202	15	Average	VERTICAL
2	5145.20	61.21	74.00	-12.79	54.31	6.21	33.74	33.05	202	15	Peak	VERTICAL
3	5174.40	102.20			95.22	6.24	33.79	33.05	202	15	Average	VERTICAL
4	5174.80	112.69			105.71	6.24	33.79	33.05	202	15	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5116.80	46.69	54.00	-7.31	39.91	6.14	33.69	33.05	201	52	Average	VERTICAL
2	5127.60	59.00	74.00	-15.00	52.17	6.17	33.71	33.05	201	52	Peak	VERTICAL
3	5206.40	103.44			96.40	6.27	33.82	33.05	201	52	Average	VERTICAL
4	5206.80	114.22			107.18	6.27	33.82	33.05	201	52	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5131.40	57.92	74.00	-16.08	51.09	6.17	33.71	33.05	198	54	Peak	VERTICAL
2	5150.00	45.39	54.00	-8.61	38.49	6.21	33.74	33.05	198	54	Average	VERTICAL
3	5245.40	114.48			107.33	6.30	33.90	33.05	198	54	Peak	VERTICAL
4	5246.00	103.66			96.48	6.34	33.90	33.06	198	54	Average	VERTICAL
5	5352.80	47.15	54.00	-6.85	39.68	6.47	34.06	33.06	198	54	Average	VERTICAL
6	5387.00	59.78	74.00	-14.22	52.23	6.50	34.11	33.06	198	54	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	64.36	68.20	-3.84	56.24	6.83	34.42	33.13	200	172	Peak	VERTICAL
2	5723.40	77.19	78.20	-1.01	69.06	6.83	34.43	33.13	200	172	Peak	VERTICAL
3	5748.20	100.76			92.60	6.86	34.44	33.14	200	172	Average	VERTICAL
4	5748.20	110.33			102.17	6.86	34.44	33.14	200	172	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.80	60.00	68.20	-8.20	51.88	6.83	34.42	33.13	199	172	Peak	VERTICAL
2	5723.80	60.14	78.20	-18.06	52.01	6.83	34.43	33.13	199	172	Peak	VERTICAL
3	5788.20	102.03			93.81	6.90	34.48	33.16	199	172	Average	VERTICAL
4	5788.20	112.17			103.95	6.90	34.48	33.16	199	172	Peak	VERTICAL
5	5850.00	60.24	78.20	-17.96	51.95	6.95	34.51	33.17	199	172	Peak	VERTICAL
6	5872.60	61.52	68.20	-6.68	53.20	6.97	34.53	33.18	199	172	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5821.80	112.58			104.32	6.92	34.50	33.16	201	3	Peak	VERTICAL
2	5831.80	101.75			93.49	6.92	34.50	33.16	201	3	Average	VERTICAL
3	5850.60	74.39	78.20	-3.81	66.10	6.95	34.51	33.17	201	3	Peak	VERTICAL
4	5860.00	52.49	54.00	-1.51	44.18	6.97	34.52	33.18	201	3	Average	VERTICAL
5	5860.00	68.16	74.00	-5.84	59.85	6.97	34.52	33.18	201	3	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.80	47.60	54.00	-6.40	40.70	6.21	33.74	33.05	202	158	Average	VERTICAL
2	5149.20	59.79	74.00	-14.21	52.89	6.21	33.74	33.05	202	158	Peak	VERTICAL
3	5174.40	101.31			94.33	6.24	33.79	33.05	202	158	Average	VERTICAL
4	5174.80	111.97			104.99	6.24	33.79	33.05	202	158	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5122.80	59.50	74.00	-14.50	52.67	6.17	33.71	33.05	190	309	Peak	VERTICAL
2	5123.20	46.86	54.00	-7.14	40.03	6.17	33.71	33.05	190	309	Average	VERTICAL
3	5203.20	102.30			95.26	6.27	33.82	33.05	190	309	Average	VERTICAL
4	5208.00	112.95			105.88	6.27	33.85	33.05	190	309	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5096.60	45.38	54.00	-8.62	38.63	6.14	33.66	33.05	200	228	Average	VERTICAL
2	5102.00	58.67	74.00	-15.33	51.92	6.14	33.66	33.05	200	228	Peak	VERTICAL
3	5233.40	102.35			95.23	6.30	33.87	33.05	200	228	Average	VERTICAL
4	5238.20	112.62			105.50	6.30	33.87	33.05	200	228	Peak	VERTICAL
5	5358.20	46.94	54.00	-7.06	39.47	6.47	34.06	33.06	200	228	Average	VERTICAL
6	5372.60	59.89	74.00	-14.11	52.39	6.47	34.09	33.06	200	228	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.60	63.16	68.20	-5.04	55.04	6.83	34.42	33.13	198	171	Peak	VERTICAL
2	5723.80	77.18	78.20	-1.02	69.05	6.83	34.43	33.13	198	171	Peak	VERTICAL
3	5748.20	98.94			90.78	6.86	34.44	33.14	198	171	Average	VERTICAL
4	5749.00	109.17			101.01	6.86	34.44	33.14	198	171	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5703.00	59.86	68.20	-8.34	51.75	6.81	34.42	33.12	250	198	Peak	HORIZONTAL
2	5721.40	59.20	78.20	-19.00	51.07	6.83	34.43	33.13	250	198	Peak	HORIZONTAL
3	5789.40	110.02			101.80	6.90	34.48	33.16	250	198	Peak	HORIZONTAL
4	5790.20	99.35			91.13	6.90	34.48	33.16	250	198	Average	HORIZONTAL
5	5850.40	60.01	78.20	-18.19	51.72	6.95	34.51	33.17	250	198	Peak	HORIZONTAL
6	5882.60	62.49	68.20	-5.71	54.17	6.97	34.53	33.18	250	198	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5823.00	102.17			93.91	6.92	34.50	33.16	198	170	Average	VERTICAL
2	5824.00	113.96			105.70	6.92	34.50	33.16	198	170	Peak	VERTICAL
3	5850.00	76.62	78.20	-1.58	68.33	6.95	34.51	33.17	198	170	Peak	VERTICAL
4	5860.00	52.79	54.00	-1.21	44.48	6.97	34.52	33.18	198	170	Average	VERTICAL
5	5861.40	68.00	74.00	-6.00	59.69	6.97	34.52	33.18	198	170	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna 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	52.64	54.00	-1.36	45.74	6.21	33.74	33.05	196	316	Average	VERTICAL
2	5149.60	65.95	74.00	-8.05	59.05	6.21	33.74	33.05	196	316	Peak	VERTICAL
3	5204.00	99.93			92.89	6.27	33.82	33.05	196	316	Average	VERTICAL
4	5204.40	109.54			102.50	6.27	33.82	33.05	196	316	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.60	59.45	74.00	-14.55	52.55	6.21	33.74	33.05	197	319	Peak	VERTICAL
2	5148.80	47.40	54.00	-6.60	40.50	6.21	33.74	33.05	197	319	Average	VERTICAL
3	5244.00	111.71			104.56	6.30	33.90	33.05	197	319	Peak	VERTICAL
4	5244.40	102.02			94.87	6.30	33.90	33.05	197	319	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.80	67.16	74.00	-6.84	59.04	6.83	34.42	33.13	254	200	Peak	HORIZONTAL
2	5715.00	52.74	54.00	-1.26	44.62	6.83	34.42	33.13	254	200	Average	HORIZONTAL
3	5725.00	68.37	78.20	-9.83	60.24	6.83	34.43	33.13	254	200	Peak	HORIZONTAL
4	5747.80	102.64			94.48	6.86	34.44	33.14	254	200	Peak	HORIZONTAL
5	5772.60	91.71			83.51	6.88	34.47	33.15	254	200	Average	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	48.63	54.00	-5.37	40.51	6.83	34.42	33.13	249	196	Average	HORIZONTAL
2	5715.00	61.67	74.00	-12.33	53.55	6.83	34.42	33.13	249	196	Peak	HORIZONTAL
3	5723.40	68.52	78.20	-9.68	60.39	6.83	34.43	33.13	249	196	Peak	HORIZONTAL
4	5800.20	97.65			89.43	6.90	34.48	33.16	249	196	Average	HORIZONTAL
5	5800.60	109.10			100.88	6.90	34.48	33.16	249	196	Peak	HORIZONTAL
6	5857.00	67.71	78.20	-10.49	59.41	6.95	34.52	33.17	249	196	Peak	HORIZONTAL
7	5860.60	52.91	54.00	-1.09	44.60	6.97	34.52	33.18	249	196	Average	HORIZONTAL
8	5869.00	68.94	74.00	-5.06	60.63	6.97	34.52	33.18	249	196	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 17, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.00	63.70	74.00	-10.30	56.80	6.21	33.74	33.05	249	158	Peak	HORIZONTAL
2	5149.00	52.98	54.00	-1.02	46.08	6.21	33.74	33.05	249	158	Average	HORIZONTAL
3	5197.00	92.02			84.98	6.27	33.82	33.05	249	158	Average	HORIZONTAL
4	5198.00	101.80			94.76	6.27	33.82	33.05	249	158	Peak	HORIZONTAL
5	5354.00	59.74	74.00	-14.26	52.27	6.47	34.06	33.06	249	158	Peak	HORIZONTAL
6	5355.00	48.62	54.00	-5.38	41.15	6.47	34.06	33.06	249	158	Average	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.00	65.53	68.20	-2.67	57.41	6.83	34.42	33.13	201	186	Peak	HORIZONTAL
2	5725.00	67.56	78.20	-10.64	59.43	6.83	34.43	33.13	201	186	Peak	HORIZONTAL
3	5807.00	89.09			80.84	6.92	34.49	33.16	201	186	Average	HORIZONTAL
4	5807.00	99.20			90.95	6.92	34.49	33.16	201	186	Peak	HORIZONTAL
5	5859.00	67.56	78.20	-10.64	59.25	6.97	34.52	33.18	201	186	Peak	HORIZONTAL
6	5862.00	66.81	68.20	-1.39	58.50	6.97	34.52	33.18	201	186	Peak	HORIZONTAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.20	47.63	54.00	-6.37	40.73	6.21	33.74	33.05	200	18	Average	VERTICAL
2	5149.00	59.86	74.00	-14.14	52.96	6.21	33.74	33.05	200	18	Peak	VERTICAL
3	5187.00	101.24			94.26	6.24	33.79	33.05	200	18	Average	VERTICAL
4	5187.40	111.23			104.25	6.24	33.79	33.05	200	18	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5116.00	47.42	54.00	-6.58	40.64	6.14	33.69	33.05	200	309	Average	HORIZONTAL
2	5124.80	59.19	74.00	-14.81	52.36	6.17	33.71	33.05	200	309	Peak	HORIZONTAL
3	5195.60	112.17			105.13	6.27	33.82	33.05	200	309	Peak	HORIZONTAL
4	5196.40	102.20			95.16	6.27	33.82	33.05	200	309	Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5109.80	58.30	74.00	-15.70	51.52	6.14	33.69	33.05	200	58	Peak	VERTICAL
2	5115.80	46.45	54.00	-7.55	39.67	6.14	33.69	33.05	200	58	Average	VERTICAL
3	5232.80	103.32			96.20	6.30	33.87	33.05	200	58	Average	VERTICAL
4	5232.80	112.44			105.32	6.30	33.87	33.05	200	58	Peak	VERTICAL
5	5366.00	47.89	54.00	-6.11	40.39	6.47	34.09	33.06	200	58	Average	VERTICAL
6	5374.40	59.63	74.00	-14.37	52.10	6.50	34.09	33.06	200	58	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.00	62.98	68.20	-5.22	54.86	6.83	34.42	33.13	190	37	Peak	HORIZONTAL
2	5724.20	77.19	78.20	-1.01	69.06	6.83	34.43	33.13	190	37	Peak	HORIZONTAL
3	5746.20	100.57			92.41	6.86	34.44	33.14	190	37	Average	HORIZONTAL
4	5746.20	110.60			102.44	6.86	34.44	33.14	190	37	Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.40	61.90	68.20	-6.30	53.80	6.81	34.41	33.12	201	40	Peak	HORIZONTAL
2	5723.80	60.45	78.20	-17.75	52.32	6.83	34.43	33.13	201	40	Peak	HORIZONTAL
3	5789.40	103.55			95.33	6.90	34.48	33.16	201	40	Average	HORIZONTAL
4	5789.80	113.76			105.54	6.90	34.48	33.16	201	40	Peak	HORIZONTAL
5	5854.00	61.89	78.20	-16.31	53.59	6.95	34.52	33.17	201	40	Peak	HORIZONTAL
6	5879.00	61.97	68.20	-6.23	53.65	6.97	34.53	33.18	201	40	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5826.20	104.11			95.85	6.92	34.50	33.16	191	38	Average	HORIZONTAL
2	5826.20	115.61			107.35	6.92	34.50	33.16	191	38	Peak	HORIZONTAL
3	5850.00	76.72	78.20	-1.48	68.43	6.95	34.51	33.17	191	38	Peak	HORIZONTAL
4	5860.00	52.77	54.00	-1.23	44.46	6.97	34.52	33.18	191	38	Average	HORIZONTAL
5	5860.00	67.93	74.00	-6.07	59.62	6.97	34.52	33.18	191	38	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.40	60.40	74.00	-13.60	53.50	6.21	33.74	33.05	202	286	Peak	HORIZONTAL
2	5148.20	47.94	54.00	-6.06	41.04	6.21	33.74	33.05	202	286	Average	HORIZONTAL
3	5173.80	110.84			103.86	6.24	33.79	33.05	202	286	Peak	HORIZONTAL
4	5178.60	100.65			93.67	6.24	33.79	33.05	202	286	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5123.60	47.56	54.00	-6.44	40.73	6.17	33.71	33.05	202	299	Average	HORIZONTAL
2	5134.40	59.35	74.00	-14.65	52.52	6.17	33.71	33.05	202	299	Peak	HORIZONTAL
3	5198.80	101.63			94.59	6.27	33.82	33.05	202	299	Average	HORIZONTAL
4	5203.60	111.29			104.25	6.27	33.82	33.05	202	299	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5109.20	58.54	74.00	-15.46	51.76	6.14	33.69	33.05	200	38	Peak	VERTICAL
2	5111.60	46.17	54.00	-7.83	39.39	6.14	33.69	33.05	200	38	Average	VERTICAL
3	5232.80	102.16			95.04	6.30	33.87	33.05	200	38	Average	VERTICAL
4	5233.40	111.74			104.62	6.30	33.87	33.05	200	38	Peak	VERTICAL
5	5362.40	47.82	54.00	-6.18	40.32	6.47	34.09	33.06	200	38	Average	VERTICAL
6	5372.00	59.45	74.00	-14.55	51.95	6.47	34.09	33.06	200	38	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.80	60.99	68.20	-7.21	52.87	6.83	34.42	33.13	200	307	Peak	HORIZONTAL
2	5723.80	77.13	78.20	-1.07	69.00	6.83	34.43	33.13	200	307	Peak	HORIZONTAL
3	5739.40	98.97			90.81	6.86	34.44	33.14	200	307	Average	HORIZONTAL
4	5739.40	110.11			101.95	6.86	34.44	33.14	200	307	Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.00	60.99	68.20	-7.21	52.89	6.81	34.41	33.12	200	37	Peak	HORIZONTAL
2	5723.80	60.61	78.20	-17.59	52.48	6.83	34.43	33.13	200	37	Peak	HORIZONTAL
3	5792.60	103.00			94.78	6.90	34.48	33.16	200	37	Average	HORIZONTAL
4	5792.60	114.14			105.92	6.90	34.48	33.16	200	37	Peak	HORIZONTAL
5	5852.80	61.01	78.20	-17.19	52.72	6.95	34.51	33.17	200	37	Peak	HORIZONTAL
6	5862.60	62.32	68.20	-5.88	54.01	6.97	34.52	33.18	200	37	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5821.00	114.25			105.99	6.92	34.50	33.16	197	49	Peak	HORIZONTAL
2	5831.00	101.27			93.01	6.92	34.50	33.16	197	49	Average	HORIZONTAL
3	5850.00	77.18	78.20	-1.02	68.89	6.95	34.51	33.17	197	49	Peak	HORIZONTAL
4	5860.60	69.37	74.00	-4.63	61.06	6.97	34.52	33.18	197	49	Peak	HORIZONTAL
5	5861.40	52.21	54.00	-1.79	43.90	6.97	34.52	33.18	197	49	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna 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	71.20	74.00	-2.80	64.30	6.21	33.74	33.05	202	18	Peak	VERTICAL
2	5148.40	52.72	54.00	-1.28	45.82	6.21	33.74	33.05	202	18	Average	VERTICAL
3	5204.00	100.01			92.97	6.27	33.82	33.05	202	18	Average	VERTICAL
4	5204.00	110.38			103.34	6.27	33.82	33.05	202	18	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5143.60	58.92	74.00	-15.08	52.06	6.17	33.74	33.05	200	17	Peak	VERTICAL
2	5148.00	46.96	54.00	-7.04	40.06	6.21	33.74	33.05	200	17	Average	VERTICAL
3	5223.60	100.22			93.12	6.30	33.85	33.05	200	17	Average	VERTICAL
4	5233.20	109.88			102.76	6.30	33.87	33.05	200	17	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.60	67.11	68.20	-1.09	58.99	6.83	34.42	33.13	205	42	Peak	HORIZONTAL
2	5719.80	69.24	78.20	-8.96	61.11	6.83	34.43	33.13	205	42	Peak	HORIZONTAL
3	5762.60	106.69			98.50	6.88	34.46	33.15	205	42	Peak	HORIZONTAL
4	5767.80	95.46			87.27	6.88	34.46	33.15	205	42	Average	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.20	59.92	68.20	-8.28	51.81	6.81	34.42	33.12	240	45	Peak	HORIZONTAL
2	5723.40	62.90	78.20	-15.30	54.77	6.83	34.43	33.13	240	45	Peak	HORIZONTAL
3	5799.00	110.86			102.64	6.90	34.48	33.16	240	45	Peak	HORIZONTAL
4	5808.60	100.05			91.80	6.92	34.49	33.16	240	45	Average	HORIZONTAL
5	5852.60	68.34	78.20	-9.86	60.05	6.95	34.51	33.17	240	45	Peak	HORIZONTAL
6	5862.20	66.95	68.20	-1.25	58.64	6.97	34.52	33.18	240	45	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.00	66.78	74.00	-7.22	59.88	6.21	33.74	33.05	200	302	Peak	HORIZONTAL
2	5149.00	52.71	54.00	-1.29	45.81	6.21	33.74	33.05	200	302	Average	HORIZONTAL
3	5219.00	106.13			99.06	6.27	33.85	33.05	200	302	Peak	HORIZONTAL
4	5224.00	96.03			88.93	6.30	33.85	33.05	200	302	Average	HORIZONTAL
5	5350.00	49.60	54.00	-4.40	42.13	6.47	34.06	33.06	200	302	Average	HORIZONTAL
6	5353.00	63.24	74.00	-10.76	55.77	6.47	34.06	33.06	200	302	Peak	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.00	67.18	68.20	-1.02	59.07	6.81	34.42	33.12	200	40	Peak	HORIZONTAL
2	5717.00	70.23	78.20	-7.97	62.11	6.83	34.42	33.13	200	40	Peak	HORIZONTAL
3	5803.00	92.82			84.59	6.90	34.49	33.16	200	40	Average	HORIZONTAL
4	5808.00	104.35			96.10	6.92	34.49	33.16	200	40	Peak	HORIZONTAL
5	5859.00	68.20	78.20	-10.00	59.89	6.97	34.52	33.18	200	40	Peak	HORIZONTAL
6	5860.00	66.91	68.20	-1.29	58.60	6.97	34.52	33.18	200	40	Peak	HORIZONTAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	48.75	54.00	-5.25	41.85	6.21	33.74	33.05	210	353	Average	VERTICAL
2	5150.00	62.37	74.00	-11.63	55.47	6.21	33.74	33.05	210	353	Peak	VERTICAL
3	5172.80	99.34			92.38	6.24	33.77	33.05	210	353	Average	VERTICAL
4	5181.80	110.29			103.31	6.24	33.79	33.05	210	353	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5117.60	46.68	54.00	-7.32	39.90	6.14	33.69	33.05	198	353	Average	VERTICAL
2	5122.00	59.55	74.00	-14.45	52.74	6.17	33.69	33.05	198	353	Peak	VERTICAL
3	5201.60	110.89			103.85	6.27	33.82	33.05	198	353	Peak	VERTICAL
4	5206.40	100.03			92.99	6.27	33.82	33.05	198	353	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5095.40	46.30	54.00	-7.70	39.55	6.14	33.66	33.05	236	-7	Average	VERTICAL
2	5131.40	58.59	74.00	-15.41	51.76	6.17	33.71	33.05	236	-7	Peak	VERTICAL
3	5232.80	100.50			93.38	6.30	33.87	33.05	236	-7	Average	VERTICAL
4	5236.40	111.28			104.16	6.30	33.87	33.05	236	-7	Peak	VERTICAL
5	5353.40	60.66	74.00	-13.34	53.19	6.47	34.06	33.06	236	-7	Peak	VERTICAL
6	5379.20	47.86	54.00	-6.14	40.31	6.50	34.11	33.06	236	-7	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.40	63.27	68.20	-4.93	55.15	6.83	34.42	33.13	193	15	Peak	VERTICAL
2	5725.00	77.02	78.20	-1.18	68.89	6.83	34.43	33.13	193	15	Peak	VERTICAL
3	5741.60	97.19			89.03	6.86	34.44	33.14	193	15	Average	VERTICAL
4	5747.00	108.65			100.49	6.86	34.44	33.14	193	15	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5704.60	60.91	68.20	-7.29	52.80	6.81	34.42	33.12	201	10	Peak	VERTICAL
2	5722.60	62.43	78.20	-15.77	54.30	6.83	34.43	33.13	201	10	Peak	VERTICAL
3	5778.20	98.70			90.50	6.88	34.47	33.15	201	10	Average	VERTICAL
4	5783.00	109.11			100.90	6.90	34.47	33.16	201	10	Peak	VERTICAL
5	5850.00	62.26	78.20	-15.94	53.97	6.95	34.51	33.17	201	10	Peak	VERTICAL
6	5866.60	63.03	68.20	-5.17	54.72	6.97	34.52	33.18	201	10	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5827.00	110.89			102.63	6.92	34.50	33.16	192	333	Peak	VERTICAL
2	5831.40	99.90			91.64	6.92	34.50	33.16	192	333	Average	VERTICAL
3	5850.00	73.83	78.20	-4.37	65.54	6.95	34.51	33.17	192	333	Peak	VERTICAL
4	5869.60	67.03	68.20	-1.17	58.72	6.97	34.52	33.18	192	333	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1
Test Date	Oct. 14, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.60	63.55	74.00	-10.45	58.91	5.84	33.27	34.47	8	100	Peak	VERTICAL
2	5150.00	50.08	54.00	-3.92	45.44	5.84	33.27	34.47	8	100	Average	VERTICAL
3	5182.60	114.98			110.30	5.82	33.33	34.47	8	100	Peak	VERTICAL
4	5187.40	104.43			99.75	5.82	33.33	34.47	8	100	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5113.60	59.78	74.00	-14.22	55.19	5.85	33.21	34.47	10	119	Peak	VERTICAL
2	5115.20	47.39	54.00	-6.61	42.80	5.85	33.21	34.47	10	119	Average	VERTICAL
3	5205.60	115.88			111.18	5.81	33.36	34.47	10	119	Peak	VERTICAL
4	5206.80	105.08			100.38	5.81	33.36	34.47	10	119	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.40	59.65	74.00	-14.35	55.01	5.84	33.27	34.47	6	130	Peak	VERTICAL
2	5150.00	46.10	54.00	-7.90	41.46	5.84	33.27	34.47	6	130	Average	VERTICAL
3	5243.00	116.15			111.39	5.78	33.45	34.47	6	130	Peak	VERTICAL
4	5246.60	105.35			100.59	5.78	33.45	34.47	6	130	Average	VERTICAL
5	5350.00	45.10	54.00	-8.90	40.21	5.73	33.63	34.47	6	130	Average	VERTICAL
6	5353.00	57.19	74.00	-16.81	52.30	5.73	33.63	34.47	6	130	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5713.60	64.69	74.00	-9.31	58.90	5.78	34.52	34.51	359	107	Peak	VERTICAL
2	5713.80	50.08	54.00	-3.92	44.29	5.78	34.52	34.51	359	107	Average	VERTICAL
3	5725.00	77.02	78.20	-1.18	71.17	5.79	34.57	34.51	359	107	Peak	VERTICAL
4	5749.00	110.39			104.49	5.80	34.62	34.52	359	107	Peak	VERTICAL
5	5751.40	99.51			93.61	5.80	34.62	34.52	359	107	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5710.20	61.49	74.00	-12.51	55.70	5.78	34.52	34.51	14	115	Peak	VERTICAL
2	5711.80	48.27	54.00	-5.73	42.48	5.78	34.52	34.51	14	115	Average	VERTICAL
3	5720.20	60.88	78.20	-17.32	55.03	5.79	34.57	34.51	14	115	Peak	VERTICAL
4	5779.00	114.62			108.59	5.83	34.73	34.53	14	115	Peak	VERTICAL
5	5791.00	103.39			97.30	5.84	34.78	34.53	14	115	Average	VERTICAL
6	5851.40	62.92			56.66	5.87	34.93	34.54	14	115	Peak	VERTICAL
7	5860.60	49.07	54.00	-4.93	42.74	5.88	34.99	34.54	14	115	Average	VERTICAL
8	5865.00	61.92	74.00	-12.08	55.59	5.88	34.99	34.54	14	115	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5818.40	113.64			107.49	5.85	34.83	34.53	15	107	Peak	VERTICAL
2	5832.20	102.72			96.51	5.86	34.88	34.53	15	107	Average	VERTICAL
3	5850.00	76.91	78.20	-1.29	70.65	5.87	34.93	34.54	15	107	Peak	VERTICAL
4	5860.00	51.91	54.00	-2.09	45.58	5.88	34.99	34.54	15	107	Average	VERTICAL
5	5860.40	67.82	74.00	-6.18	61.49	5.88	34.99	34.54	15	107	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1
Test Date	Oct. 14, 2015 ~ Oct. 15, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.80	66.25	74.00	-7.75	61.61	5.84	33.27	34.47	13	100	Peak	VERTICAL
2	5150.00	52.74	54.00	-1.26	48.10	5.84	33.27	34.47	13	100	Average	VERTICAL
3	5194.40	111.70			107.00	5.81	33.36	34.47	13	100	Peak	VERTICAL
4	5204.00	101.08			96.38	5.81	33.36	34.47	13	100	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5147.20	47.76	54.00	-6.24	43.12	5.84	33.27	34.47	11	100	Average	VERTICAL
2	5150.00	60.81	74.00	-13.19	56.17	5.84	33.27	34.47	11	100	Peak	VERTICAL
3	5215.60	102.95			98.23	5.80	33.39	34.47	11	100	Average	VERTICAL
4	5238.40	113.43			108.69	5.79	33.42	34.47	11	100	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1
Test Date	Oct. 15, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5713.80	66.85	74.00	-7.15	61.06	5.78	34.52	34.51	11	142	Peak	VERTICAL
2	5715.00	52.67	54.00	-1.33	46.88	5.78	34.52	34.51	11	142	Average	VERTICAL
3	5722.60	71.39	78.20	-6.81	65.54	5.79	34.57	34.51	11	142	Peak	VERTICAL
4	5768.60	107.34			101.31	5.83	34.73	34.53	11	142	Peak	VERTICAL
5	5769.80	97.81			91.78	5.83	34.73	34.53	11	142	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5711.40	47.11	54.00	-6.89	41.32	5.78	34.52	34.51	12	100	Average	VERTICAL
2	5715.00	59.65	74.00	-14.35	53.86	5.78	34.52	34.51	12	100	Peak	VERTICAL
3	5724.60	61.43	78.20	-16.77	55.58	5.79	34.57	34.51	12	100	Peak	VERTICAL
4	5791.80	109.24			103.15	5.84	34.78	34.53	12	100	Peak	VERTICAL
5	5808.20	99.19			93.04	5.85	34.83	34.53	12	100	Average	VERTICAL
6	5851.40	68.33	78.20	-9.87	62.07	5.87	34.93	34.54	12	100	Peak	VERTICAL
7	5860.00	52.65	54.00	-1.35	46.32	5.88	34.99	34.54	12	100	Average	VERTICAL
8	5861.80	68.03	74.00	-5.97	61.70	5.88	34.99	34.54	12	100	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1
Test Date	Oct. 15, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 1TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.00	63.64	74.00	-10.36	59.00	5.84	33.27	34.47	10	116	Peak	VERTICAL
2	5150.00	52.96	54.00	-1.04	48.32	5.84	33.27	34.47	10	116	Average	VERTICAL
3	5221.00	99.12			94.40	5.80	33.39	34.47	10	116	Average	VERTICAL
4	5244.00	108.78			104.02	5.78	33.45	34.47	10	116	Peak	VERTICAL
5	5350.00	48.60	54.00	-5.40	43.71	5.73	33.63	34.47	10	116	Average	VERTICAL
6	5357.00	60.26	74.00	-13.74	55.37	5.73	33.63	34.47	10	116	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5705.00	66.70	68.20	-1.50	60.91	5.78	34.52	34.51	13	114	Peak	VERTICAL
2	5720.00	66.26	78.20	-11.94	60.41	5.79	34.57	34.51	13	114	Peak	VERTICAL
3	5803.00	104.17			98.02	5.85	34.83	34.53	13	114	Peak	VERTICAL
4	5803.00	94.86			88.71	5.85	34.83	34.53	13	114	Average	VERTICAL
5	5850.00	64.85	78.20	-13.35	58.59	5.87	34.93	34.54	13	114	Peak	VERTICAL
6	5860.00	64.46	68.20	-3.74	58.13	5.88	34.99	34.54	13	114	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.40	48.54	54.00	-5.46	41.64	6.21	33.74	33.05	221	355	Average	VERTICAL
2	5149.80	60.69	74.00	-13.31	53.79	6.21	33.74	33.05	221	355	Peak	VERTICAL
3	5174.00	102.48			95.50	6.24	33.79	33.05	221	355	Average	VERTICAL
4	5174.00	112.91			105.93	6.24	33.79	33.05	221	355	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.80	48.09	54.00	-5.91	41.31	6.14	33.69	33.05	153	16	Average	VERTICAL
2	5127.20	60.70	74.00	-13.30	53.87	6.17	33.71	33.05	153	16	Peak	VERTICAL
3	5202.40	114.34			107.30	6.27	33.82	33.05	153	16	Peak	VERTICAL
4	5202.80	103.72			96.68	6.27	33.82	33.05	153	16	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5098.40	58.91	74.00	-15.09	52.16	6.14	33.66	33.05	151	342	Peak	VERTICAL
2	5150.00	47.01	54.00	-6.99	40.11	6.21	33.74	33.05	151	342	Average	VERTICAL
3	5237.00	104.51			97.39	6.30	33.87	33.05	151	342	Average	VERTICAL
4	5237.00	114.84			107.72	6.30	33.87	33.05	151	342	Peak	VERTICAL
5	5354.60	47.89	54.00	-6.11	40.42	6.47	34.06	33.06	151	342	Average	VERTICAL
6	5388.20	60.92	74.00	-13.08	53.37	6.50	34.11	33.06	151	342	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	63.64	68.20	-4.56	55.52	6.83	34.42	33.13	219	7	Peak	VERTICAL
2	5724.20	76.99	78.20	-1.21	68.86	6.83	34.43	33.13	219	7	Peak	VERTICAL
3	5751.80	111.53			103.35	6.86	34.46	33.14	219	7	Peak	VERTICAL
4	5752.00	101.30			93.12	6.86	34.46	33.14	219	7	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.00	61.22	68.20	-6.98	53.10	6.83	34.42	33.13	217	6	Peak	VERTICAL
2	5724.20	61.15	78.20	-17.05	53.02	6.83	34.43	33.13	217	6	Peak	VERTICAL
3	5781.80	113.52			105.31	6.90	34.47	33.16	217	6	Peak	VERTICAL
4	5786.60	103.06			94.84	6.90	34.48	33.16	217	6	Average	VERTICAL
5	5851.20	62.35	78.20	-15.85	54.06	6.95	34.51	33.17	217	6	Peak	VERTICAL
6	5873.80	62.58	68.20	-5.62	54.26	6.97	34.53	33.18	217	6	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5831.60	114.70			106.44	6.92	34.50	33.16	190	345	Peak	VERTICAL
2	5832.00	104.41			96.15	6.92	34.50	33.16	190	345	Average	VERTICAL
3	5850.20	72.41	78.20	-5.79	64.12	6.95	34.51	33.17	190	345	Peak	VERTICAL
4	5861.40	67.01	68.20	-1.19	58.70	6.97	34.52	33.18	190	345	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.40	62.57	74.00	-11.43	55.67	6.21	33.74	33.05	196	340	Peak	VERTICAL
2	5147.60	49.97	54.00	-4.03	43.07	6.21	33.74	33.05	196	340	Average	VERTICAL
3	5188.00	102.63			95.65	6.24	33.79	33.05	196	340	Average	VERTICAL
4	5188.00	113.26			106.28	6.24	33.79	33.05	196	340	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5111.20	60.22	74.00	-13.78	53.44	6.14	33.69	33.05	201	22	Peak	VERTICAL
2	5112.00	48.10	54.00	-5.90	41.32	6.14	33.69	33.05	201	22	Average	VERTICAL
3	5204.40	113.63			106.59	6.27	33.82	33.05	201	22	Peak	VERTICAL
4	5206.80	103.01			95.97	6.27	33.82	33.05	201	22	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.80	59.43	74.00	-14.57	52.53	6.21	33.74	33.05	125	8	Peak	VERTICAL
2	5150.00	47.04	54.00	-6.96	40.14	6.21	33.74	33.05	125	8	Average	VERTICAL
3	5238.20	114.37			107.25	6.30	33.87	33.05	125	8	Peak	VERTICAL
4	5240.60	103.50			96.38	6.30	33.87	33.05	125	8	Average	VERTICAL
5	5364.20	60.68	74.00	-13.32	53.18	6.47	34.09	33.06	125	8	Peak	VERTICAL
6	5368.40	48.03	54.00	-5.97	40.53	6.47	34.09	33.06	125	8	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.00	63.10	68.20	-5.10	54.98	6.83	34.42	33.13	202	347	Peak	VERTICAL
2	5723.40	76.97	78.20	-1.23	68.84	6.83	34.43	33.13	202	347	Peak	VERTICAL
3	5748.60	109.68			101.52	6.86	34.44	33.14	202	347	Peak	VERTICAL
4	5751.20	99.01			90.85	6.86	34.44	33.14	202	347	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.60	61.39	68.20	-6.81	53.27	6.83	34.42	33.13	194	14	Peak	VERTICAL
2	5725.40	61.34	78.20	-16.86	53.21	6.83	34.43	33.13	194	14	Peak	VERTICAL
3	5779.00	102.53			94.33	6.88	34.47	33.15	194	14	Average	VERTICAL
4	5783.80	112.98			104.77	6.90	34.47	33.16	194	14	Peak	VERTICAL
5	5850.40	61.75	78.20	-16.45	53.46	6.95	34.51	33.17	194	14	Peak	VERTICAL
6	5867.40	63.17	68.20	-5.03	54.86	6.97	34.52	33.18	194	14	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5831.00	102.80			94.54	6.92	34.50	33.16	190	346	Average	VERTICAL
2	5831.00	113.75			105.49	6.92	34.50	33.16	190	346	Peak	VERTICAL
3	5850.00	74.33	78.20	-3.87	66.04	6.95	34.51	33.17	190	346	Peak	VERTICAL
4	5861.00	66.88	68.20	-1.32	58.57	6.97	34.52	33.18	190	346	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.40	66.71	74.00	-7.29	59.81	6.21	33.74	33.05	125	336	Peak	VERTICAL
2	5150.00	52.89	54.00	-1.11	45.99	6.21	33.74	33.05	125	336	Average	VERTICAL
3	5202.80	100.00			92.96	6.27	33.82	33.05	125	336	Average	VERTICAL
4	5203.20	109.49			102.45	6.27	33.82	33.05	125	336	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5143.20	48.35	54.00	-5.65	41.49	6.17	33.74	33.05	134	339	Average	VERTICAL
2	5145.60	60.59	74.00	-13.41	53.69	6.21	33.74	33.05	134	339	Peak	VERTICAL
3	5233.20	101.65			94.53	6.30	33.87	33.05	134	339	Average	VERTICAL
4	5233.20	111.82			104.70	6.30	33.87	33.05	134	339	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5661.40	60.19	68.20	-8.01	52.13	6.79	34.39	33.12	138	9	Peak	HORIZONTAL
2	5723.80	60.92	78.20	-17.28	52.79	6.83	34.43	33.13	138	9	Peak	HORIZONTAL
3	5763.40	89.97			81.78	6.88	34.46	33.15	138	9	Peak	HORIZONTAL
4	5768.60	79.64			71.44	6.88	34.47	33.15	138	9	Average	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5704.60	61.36	68.20	-6.84	53.25	6.81	34.42	33.12	233	343	Peak	VERTICAL
2	5720.60	63.91	78.20	-14.29	55.78	6.83	34.43	33.13	233	343	Peak	VERTICAL
3	5780.60	108.84			100.64	6.88	34.47	33.15	233	343	Peak	VERTICAL
4	5781.00	98.78			90.58	6.88	34.47	33.15	233	343	Average	VERTICAL
5	5859.40	66.07	78.20	-12.13	57.76	6.97	34.52	33.18	233	343	Peak	VERTICAL
6	5869.80	66.81	68.20	-1.39	58.50	6.97	34.52	33.18	233	343	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 2TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5143.00	64.30	74.00	-9.70	57.44	6.17	33.74	33.05	132	3	Peak	VERTICAL
2	5150.00	52.98	54.00	-1.02	46.08	6.21	33.74	33.05	132	3	Average	VERTICAL
3	5221.00	96.26			89.16	6.30	33.85	33.05	132	3	Average	VERTICAL
4	5228.00	105.28			98.16	6.30	33.87	33.05	132	3	Peak	VERTICAL
5	5352.00	49.83	54.00	-4.17	42.36	6.47	34.06	33.06	132	3	Average	VERTICAL
6	5366.00	61.69	74.00	-12.31	54.19	6.47	34.09	33.06	132	3	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.00	67.13	68.20	-1.07	59.01	6.83	34.42	33.13	158	329	Peak	VERTICAL
2	5719.00	68.23	78.20	-9.97	60.10	6.83	34.43	33.13	158	329	Peak	VERTICAL
3	5770.00	93.01			84.81	6.88	34.47	33.15	158	329	Average	VERTICAL
4	5782.00	102.61			94.40	6.90	34.47	33.16	158	329	Peak	VERTICAL
5	5851.00	67.82	78.20	-10.38	59.53	6.95	34.51	33.17	158	329	Peak	VERTICAL
6	5862.00	66.36	68.20	-1.84	58.05	6.97	34.52	33.18	158	329	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	51.46	54.00	-2.54	44.56	6.21	33.74	33.05	137	349	Average	VERTICAL
2	5150.00	67.71	74.00	-6.29	60.81	6.21	33.74	33.05	137	349	Peak	VERTICAL
3	5173.60	104.95			97.97	6.24	33.79	33.05	137	349	Average	VERTICAL
4	5173.60	114.97			107.99	6.24	33.79	33.05	137	349	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5124.00	61.04	74.00	-12.96	54.21	6.17	33.71	33.05	128	359	Peak	VERTICAL
2	5124.40	48.46	54.00	-5.54	41.63	6.17	33.71	33.05	128	359	Average	VERTICAL
3	5194.80	105.72			98.68	6.27	33.82	33.05	128	359	Average	VERTICAL
4	5195.20	116.03			108.99	6.27	33.82	33.05	128	359	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5109.80	59.11	74.00	-14.89	52.33	6.14	33.69	33.05	120	343	Peak	VERTICAL
2	5149.40	47.48	54.00	-6.52	40.58	6.21	33.74	33.05	120	343	Average	VERTICAL
3	5232.80	106.82			99.70	6.30	33.87	33.05	120	343	Average	VERTICAL
4	5232.80	115.89			108.77	6.30	33.87	33.05	120	343	Peak	VERTICAL
5	5357.60	60.51	74.00	-13.49	53.04	6.47	34.06	33.06	120	343	Peak	VERTICAL
6	5371.40	48.59	54.00	-5.41	41.09	6.47	34.09	33.06	120	343	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.00	64.53	68.20	-3.67	56.41	6.83	34.42	33.13	136	334	Peak	VERTICAL
2	5723.40	76.93	78.20	-1.27	68.80	6.83	34.43	33.13	136	334	Peak	VERTICAL
3	5743.00	112.71			104.55	6.86	34.44	33.14	136	334	Peak	VERTICAL
4	5752.60	102.88			94.70	6.86	34.46	33.14	136	334	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.00	61.74	68.20	-6.46	53.64	6.81	34.41	33.12	131	337	Peak	VERTICAL
2	5724.60	61.58	78.20	-16.62	53.45	6.83	34.43	33.13	131	337	Peak	VERTICAL
3	5783.80	106.09			97.88	6.90	34.47	33.16	131	337	Average	VERTICAL
4	5783.80	116.01			107.80	6.90	34.47	33.16	131	337	Peak	VERTICAL
5	5850.40	61.65	78.20	-16.55	53.36	6.95	34.51	33.17	131	337	Peak	VERTICAL
6	5866.20	63.02	68.20	-5.18	54.71	6.97	34.52	33.18	131	337	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5831.80	104.50			96.24	6.92	34.50	33.16	126	330	Average	VERTICAL
2	5831.80	115.88			107.62	6.92	34.50	33.16	126	330	Peak	VERTICAL
3	5851.00	72.30	78.20	-5.90	64.01	6.95	34.51	33.17	126	330	Peak	VERTICAL
4	5861.40	52.76	54.00	-1.24	44.45	6.97	34.52	33.18	126	330	Average	VERTICAL
5	5861.80	67.74	74.00	-6.26	59.43	6.97	34.52	33.18	126	330	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.40	65.84	74.00	-8.16	58.94	6.21	33.74	33.05	132	351	Peak	VERTICAL
2	5149.20	51.73	54.00	-2.27	44.83	6.21	33.74	33.05	132	351	Average	VERTICAL
3	5174.00	105.59			98.61	6.24	33.79	33.05	132	351	Average	VERTICAL
4	5184.40	116.57			109.59	6.24	33.79	33.05	132	351	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5118.80	61.93	74.00	-12.07	55.12	6.17	33.69	33.05	123	349	Peak	VERTICAL
2	5124.00	49.22	54.00	-4.78	42.39	6.17	33.71	33.05	123	349	Average	VERTICAL
3	5199.20	105.68			98.64	6.27	33.82	33.05	123	349	Average	VERTICAL
4	5199.20	116.85			109.81	6.27	33.82	33.05	123	349	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5126.00	59.55	74.00	-14.45	52.72	6.17	33.71	33.05	122	331	Peak	VERTICAL
2	5139.80	47.20	54.00	-6.80	40.34	6.17	33.74	33.05	122	331	Average	VERTICAL
3	5242.40	107.26			100.11	6.30	33.90	33.05	122	331	Average	VERTICAL
4	5242.40	117.57			110.42	6.30	33.90	33.05	122	331	Peak	VERTICAL
5	5358.20	60.99	74.00	-13.01	53.52	6.47	34.06	33.06	122	331	Peak	VERTICAL
6	5380.40	48.53	54.00	-5.47	40.98	6.50	34.11	33.06	122	331	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	63.79	68.20	-4.41	55.67	6.83	34.42	33.13	123	340	Peak	VERTICAL
2	5724.60	77.04	78.20	-1.16	68.91	6.83	34.43	33.13	123	340	Peak	VERTICAL
3	5750.60	102.62			94.46	6.86	34.44	33.14	123	340	Average	VERTICAL
4	5750.60	113.01			104.85	6.86	34.44	33.14	123	340	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.80	62.28	68.20	-5.92	54.16	6.83	34.42	33.13	128	341	Peak	VERTICAL
2	5723.00	60.94	78.20	-17.26	52.81	6.83	34.43	33.13	128	341	Peak	VERTICAL
3	5780.60	106.33			98.13	6.88	34.47	33.15	128	341	Average	VERTICAL
4	5780.60	116.36			108.16	6.88	34.47	33.15	128	341	Peak	VERTICAL
5	5856.40	62.73	78.20	-15.47	54.43	6.95	34.52	33.17	128	341	Peak	VERTICAL
6	5875.00	63.02	68.20	-5.18	54.70	6.97	34.53	33.18	128	341	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5830.20	104.88			96.62	6.92	34.50	33.16	130	338	Average	VERTICAL
2	5831.00	115.39			107.13	6.92	34.50	33.16	130	338	Peak	VERTICAL
3	5850.00	76.11	78.20	-2.09	67.82	6.95	34.51	33.17	130	338	Peak	VERTICAL
4	5860.60	52.77	54.00	-1.23	44.46	6.97	34.52	33.18	130	338	Average	VERTICAL
5	5861.00	68.62	74.00	-5.38	60.31	6.97	34.52	33.18	130	338	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.60	52.37	54.00	-1.63	45.47	6.21	33.74	33.05	124	360	Average	VERTICAL
2	5148.00	65.51	74.00	-8.49	58.61	6.21	33.74	33.05	124	360	Peak	VERTICAL
3	5197.60	102.56			95.52	6.27	33.82	33.05	124	360	Average	VERTICAL
4	5202.40	112.92			105.88	6.27	33.82	33.05	124	360	Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5058.00	59.90	74.00	-14.10	53.26	6.08	33.61	33.05	197	331	Peak	VERTICAL
2	5077.00	49.35	54.00	-4.65	42.66	6.11	33.63	33.05	197	331	Average	VERTICAL
3	5232.00	114.79			107.67	6.30	33.87	33.05	197	331	Peak	VERTICAL
4	5243.00	104.90			97.75	6.30	33.90	33.05	197	331	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.00	67.02	68.20	-1.18	58.90	6.83	34.42	33.13	230	5	Peak	VERTICAL
2	5720.60	69.47	78.20	-8.73	61.34	6.83	34.43	33.13	230	5	Peak	VERTICAL
3	5765.80	109.10			100.91	6.88	34.46	33.15	230	5	Peak	VERTICAL
4	5771.00	97.43			89.23	6.88	34.47	33.15	230	5	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5650.00	61.17	68.20	-7.03	53.13	6.76	34.39	33.11	241	7	Peak	VERTICAL
2	5718.00	62.35	78.20	-15.85	54.22	6.83	34.43	33.13	241	7	Peak	VERTICAL
3	5781.00	99.70			91.50	6.88	34.47	33.15	241	7	Average	VERTICAL
4	5811.00	110.94			102.69	6.92	34.49	33.16	241	7	Peak	VERTICAL
5	5852.00	68.58	78.20	-9.62	60.29	6.95	34.51	33.17	241	7	Peak	VERTICAL
6	5862.00	67.11	68.20	-1.09	58.80	6.97	34.52	33.18	241	7	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 3TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5114.00	64.75	74.00	-9.25	57.97	6.14	33.69	33.05	243	360	Peak	VERTICAL
2	5148.00	52.81	54.00	-1.19	45.91	6.21	33.74	33.05	243	360	Average	VERTICAL
3	5233.00	109.14			102.02	6.30	33.87	33.05	243	360	Peak	VERTICAL
4	5238.00	98.98			91.86	6.30	33.87	33.05	243	360	Average	VERTICAL
5	5354.00	61.98	74.00	-12.02	54.51	6.47	34.06	33.06	243	360	Peak	VERTICAL
6	5358.00	50.44	54.00	-3.56	42.97	6.47	34.06	33.06	243	360	Average	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	66.74	68.20	-1.46	58.62	6.83	34.42	33.13	244	14	Peak	VERTICAL
2	5719.00	66.89	78.20	-11.31	58.76	6.83	34.43	33.13	244	14	Peak	VERTICAL
3	5769.00	94.29			86.09	6.88	34.47	33.15	244	14	Average	VERTICAL
4	5769.00	104.13			95.93	6.88	34.47	33.15	244	14	Peak	VERTICAL
5	5859.00	64.39	78.20	-13.81	56.08	6.97	34.52	33.18	244	14	Peak	VERTICAL
6	5861.00	63.49	68.20	-4.71	55.18	6.97	34.52	33.18	244	14	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 07, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5093.20	50.16	54.00	-3.84	43.41	6.14	33.66	33.05	126	357	Average	VERTICAL
2	5150.00	65.87	74.00	-8.13	58.97	6.21	33.74	33.05	126	357	Peak	VERTICAL
3	5173.60	105.69			98.71	6.24	33.79	33.05	126	357	Average	VERTICAL
4	5174.40	115.85			108.87	6.24	33.79	33.05	126	357	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5122.00	48.94	54.00	-5.06	42.13	6.17	33.69	33.05	123	340	Average	VERTICAL
2	5122.80	61.11	74.00	-12.89	54.28	6.17	33.71	33.05	123	340	Peak	VERTICAL
3	5202.40	106.28			99.24	6.27	33.82	33.05	123	340	Average	VERTICAL
4	5202.40	117.08			110.04	6.27	33.82	33.05	123	340	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5134.40	59.67	74.00	-14.33	52.84	6.17	33.71	33.05	129	330	Peak	VERTICAL
2	5150.00	47.80	54.00	-6.20	40.90	6.21	33.74	33.05	129	330	Average	VERTICAL
3	5234.00	108.32			101.20	6.30	33.87	33.05	129	330	Average	VERTICAL
4	5234.00	117.54			110.42	6.30	33.87	33.05	129	330	Peak	VERTICAL
5	5360.00	48.92	54.00	-5.08	41.45	6.47	34.06	33.06	129	330	Average	VERTICAL
6	5382.20	61.06	74.00	-12.94	53.51	6.50	34.11	33.06	129	330	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 07, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5660.60	63.23	68.20	-4.97	55.17	6.79	34.39	33.12	134	333	Peak	VERTICAL
2	5723.40	76.87	78.20	-1.33	68.74	6.83	34.43	33.13	134	333	Peak	VERTICAL
3	5740.60	115.77			107.61	6.86	34.44	33.14	134	333	Peak	VERTICAL
4	5741.40	106.36			98.20	6.86	34.44	33.14	134	333	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.40	64.41	68.20	-3.79	56.29	6.83	34.42	33.13	122	341	Peak	VERTICAL
2	5718.60	62.60	78.20	-15.60	54.47	6.83	34.43	33.13	122	341	Peak	VERTICAL
3	5786.20	108.34			100.12	6.90	34.48	33.16	122	341	Average	VERTICAL
4	5786.60	118.54			110.32	6.90	34.48	33.16	122	341	Peak	VERTICAL
5	5857.60	63.78	78.20	-14.42	55.48	6.95	34.52	33.17	122	341	Peak	VERTICAL
6	5867.80	63.83	68.20	-4.37	55.52	6.97	34.52	33.18	122	341	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5826.20	107.77			99.51	6.92	34.50	33.16	122	339	Average	VERTICAL
2	5826.20	118.65			110.39	6.92	34.50	33.16	122	339	Peak	VERTICAL
3	5850.00	74.83	78.20	-3.37	66.54	6.95	34.51	33.17	122	339	Peak	VERTICAL
4	5866.20	69.57	74.00	-4.43	61.26	6.97	34.52	33.18	122	339	Peak	VERTICAL
5	5866.60	52.69	54.00	-1.31	44.38	6.97	34.52	33.18	122	339	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 07, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.20	50.62	54.00	-3.38	43.72	6.21	33.74	33.05	126	360	Average	VERTICAL
2	5147.20	63.71	74.00	-10.29	56.81	6.21	33.74	33.05	126	360	Peak	VERTICAL
3	5172.40	117.04			110.08	6.24	33.77	33.05	126	360	Peak	VERTICAL
4	5187.20	106.22			99.24	6.24	33.79	33.05	126	360	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5118.00	60.73	74.00	-13.27	53.95	6.14	33.69	33.05	130	1	Peak	VERTICAL
2	5143.20	48.31	54.00	-5.69	41.45	6.17	33.74	33.05	130	1	Average	VERTICAL
3	5197.60	118.46			111.42	6.27	33.82	33.05	130	1	Peak	VERTICAL
4	5202.80	107.51			100.47	6.27	33.82	33.05	130	1	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5097.20	58.90	74.00	-15.10	52.15	6.14	33.66	33.05	201	318	Peak	HORIZONTAL
2	5118.20	46.47	54.00	-7.53	39.69	6.14	33.69	33.05	201	318	Average	HORIZONTAL
3	5243.60	93.50			86.35	6.30	33.90	33.05	201	318	Average	HORIZONTAL
4	5243.60	103.70			96.55	6.30	33.90	33.05	201	318	Peak	HORIZONTAL
5	5373.20	48.45	54.00	-5.55	40.95	6.47	34.09	33.06	201	318	Average	HORIZONTAL
6	5378.00	60.05	74.00	-13.95	52.50	6.50	34.11	33.06	201	318	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 07, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	63.53	68.20	-4.67	55.41	6.83	34.42	33.13	129	342	Peak	VERTICAL
2	5725.00	77.15	78.20	-1.05	69.02	6.83	34.43	33.13	129	342	Peak	VERTICAL
3	5740.60	104.90			96.74	6.86	34.44	33.14	129	342	Average	VERTICAL
4	5741.00	114.97			106.81	6.86	34.44	33.14	129	342	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.80	63.72	68.20	-4.48	55.62	6.81	34.41	33.12	126	341	Peak	VERTICAL
2	5723.80	61.00	78.20	-17.20	52.87	6.83	34.43	33.13	126	341	Peak	VERTICAL
3	5780.20	107.87			99.67	6.88	34.47	33.15	126	341	Average	VERTICAL
4	5780.20	118.47			110.27	6.88	34.47	33.15	126	341	Peak	VERTICAL
5	5857.60	62.60	78.20	-15.60	54.30	6.95	34.52	33.17	126	341	Peak	VERTICAL
6	5870.20	63.50	68.20	-4.70	55.19	6.97	34.52	33.18	126	341	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5830.20	106.16			97.90	6.92	34.50	33.16	124	340	Average	VERTICAL
2	5830.60	117.73			109.47	6.92	34.50	33.16	124	340	Peak	VERTICAL
3	5850.00	77.12	78.20	-1.08	68.83	6.95	34.51	33.17	124	340	Peak	VERTICAL
4	5860.60	52.66	54.00	-1.34	44.35	6.97	34.52	33.18	124	340	Average	VERTICAL
5	5861.00	69.28	74.00	-4.72	60.97	6.97	34.52	33.18	124	340	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 07, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.60	68.08	74.00	-5.92	61.18	6.21	33.74	33.05	126	339	Peak	VERTICAL
2	5150.00	52.90	54.00	-1.10	46.00	6.21	33.74	33.05	126	339	Average	VERTICAL
3	5200.80	114.11			107.07	6.27	33.82	33.05	126	339	Peak	VERTICAL
4	5205.60	104.71			97.67	6.27	33.82	33.05	126	339	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.00	49.58	54.00	-4.42	42.72	6.17	33.74	33.05	129	359	Average	VERTICAL
2	5149.20	60.77	74.00	-13.23	53.87	6.21	33.74	33.05	129	359	Peak	VERTICAL
3	5217.20	105.03			97.96	6.27	33.85	33.05	129	359	Average	VERTICAL
4	5232.40	114.73			107.61	6.30	33.87	33.05	129	359	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 07, 2015 ~ Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.20	67.16	68.20	-1.04	59.04	6.83	34.42	33.13	120	6	Peak	VERTICAL
2	5720.20	67.63	78.20	-10.57	59.50	6.83	34.43	33.13	120	6	Peak	VERTICAL
3	5745.40	109.45			101.29	6.86	34.44	33.14	120	6	Peak	VERTICAL
4	5770.60	99.05			90.85	6.88	34.47	33.15	120	6	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.40	62.67	68.20	-5.53	54.55	6.83	34.42	33.13	127	341	Peak	VERTICAL
2	5721.00	65.90	78.20	-12.30	57.77	6.83	34.43	33.13	127	341	Peak	VERTICAL
3	5780.60	102.74			94.54	6.88	34.47	33.15	127	341	Average	VERTICAL
4	5780.60	113.69			105.49	6.88	34.47	33.15	127	341	Peak	VERTICAL
5	5850.60	68.61	78.20	-9.59	60.32	6.95	34.51	33.17	127	341	Peak	VERTICAL
6	5863.40	67.19	68.20	-1.01	58.88	6.97	34.52	33.18	127	341	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 08, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5112.00	52.64	54.00	-1.36	45.86	6.14	33.69	33.05	136	331	Average	VERTICAL
2	5119.00	64.49	74.00	-9.51	57.68	6.17	33.69	33.05	136	331	Peak	VERTICAL
3	5238.00	99.36			92.24	6.30	33.87	33.05	136	331	Average	VERTICAL
4	5248.00	108.71			101.53	6.34	33.90	33.06	136	331	Peak	VERTICAL
5	5353.00	50.42	54.00	-3.58	42.95	6.47	34.06	33.06	136	331	Average	VERTICAL
6	5411.00	61.37	74.00	-12.63	53.76	6.53	34.14	33.06	136	331	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	67.02	68.20	-1.18	58.90	6.83	34.42	33.13	139	341	Peak	VERTICAL
2	5721.00	67.42	78.20	-10.78	59.29	6.83	34.43	33.13	139	341	Peak	VERTICAL
3	5766.00	95.50			87.31	6.88	34.46	33.15	139	341	Average	VERTICAL
4	5766.00	105.54			97.35	6.88	34.46	33.15	139	341	Peak	VERTICAL
5	5850.00	62.84	78.20	-15.36	54.55	6.95	34.51	33.17	139	341	Peak	VERTICAL
6	5860.00	63.57	68.20	-4.63	55.26	6.97	34.52	33.18	139	341	Peak	VERTICAL

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

Note:

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

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

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

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.40	60.48	74.00	-13.52	53.58	6.21	33.74	33.05	222	346	Peak	HORIZONTAL
2	5150.00	46.91	54.00	-7.09	40.01	6.21	33.74	33.05	222	346	Average	HORIZONTAL
3	5173.00	96.43			89.47	6.24	33.77	33.05	222	346	Average	HORIZONTAL
4	5177.80	107.85			100.87	6.24	33.79	33.05	222	346	Peak	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.20	58.83	74.00	-15.17	51.93	6.21	33.74	33.05	236	345	Peak	HORIZONTAL
2	5150.00	45.57	54.00	-8.43	38.67	6.21	33.74	33.05	236	345	Average	HORIZONTAL
3	5198.40	107.41			100.37	6.27	33.82	33.05	236	345	Peak	HORIZONTAL
4	5206.80	96.86			89.82	6.27	33.82	33.05	236	345	Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5106.20	58.21	74.00	-15.79	51.43	6.14	33.69	33.05	232	346	Peak	HORIZONTAL
2	5150.00	45.41	54.00	-8.59	38.51	6.21	33.74	33.05	232	346	Average	HORIZONTAL
3	5238.20	109.20			102.08	6.30	33.87	33.05	232	346	Peak	HORIZONTAL
4	5238.80	98.34			91.22	6.30	33.87	33.05	232	346	Average	HORIZONTAL
5	5350.00	46.87	54.00	-7.13	39.40	6.47	34.06	33.06	232	346	Average	HORIZONTAL
6	5373.80	59.70	74.00	-14.30	52.17	6.50	34.09	33.06	232	346	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.20	60.68	68.20	-7.52	52.56	6.83	34.42	33.13	265	297	Peak	VERTICAL
2	5724.80	76.65	78.20	-1.55	68.52	6.83	34.43	33.13	265	297	Peak	VERTICAL
3	5742.80	103.17			95.01	6.86	34.44	33.14	265	297	Peak	VERTICAL
4	5751.80	92.59			84.41	6.86	34.46	33.14	265	297	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5698.60	59.99	68.20	-8.21	51.89	6.81	34.41	33.12	218	334	Peak	HORIZONTAL
2	5721.80	59.49	78.20	-18.71	51.36	6.83	34.43	33.13	218	334	Peak	HORIZONTAL
3	5782.60	95.99			87.78	6.90	34.47	33.16	218	334	Average	HORIZONTAL
4	5787.00	106.69			98.47	6.90	34.48	33.16	218	334	Peak	HORIZONTAL
5	5851.60	60.28	78.20	-17.92	51.99	6.95	34.51	33.17	218	334	Peak	HORIZONTAL
6	5866.20	61.03	68.20	-7.17	52.72	6.97	34.52	33.18	218	334	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5826.80	107.36			99.10	6.92	34.50	33.16	223	337	Peak	HORIZONTAL
2	5831.40	95.89			87.63	6.92	34.50	33.16	223	337	Average	HORIZONTAL
3	5850.40	73.40	78.20	-4.80	65.11	6.95	34.51	33.17	223	337	Peak	HORIZONTAL
4	5864.60	67.20	68.20	-1.00	58.89	6.97	34.52	33.18	223	337	Peak	HORIZONTAL

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

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

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.00	59.50	74.00	-14.50	52.60	6.21	33.74	33.05	224	346	Peak	HORIZONTAL
2	5150.00	46.75	54.00	-7.25	39.85	6.21	33.74	33.05	224	346	Average	HORIZONTAL
3	5173.60	106.54			99.56	6.24	33.79	33.05	224	346	Peak	HORIZONTAL
4	5187.00	95.90			88.92	6.24	33.79	33.05	224	346	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5129.20	57.45	74.00	-16.55	50.62	6.17	33.71	33.05	231	338	Peak	HORIZONTAL
2	5150.00	45.62	54.00	-8.38	38.72	6.21	33.74	33.05	231	338	Average	HORIZONTAL
3	5205.60	96.84			89.80	6.27	33.82	33.05	231	338	Average	HORIZONTAL
4	5206.40	107.64			100.60	6.27	33.82	33.05	231	338	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5119.40	58.13	74.00	-15.87	51.32	6.17	33.69	33.05	228	347	Peak	HORIZONTAL
2	5150.00	45.42	54.00	-8.58	38.52	6.21	33.74	33.05	228	347	Average	HORIZONTAL
3	5241.80	97.18			90.03	6.30	33.90	33.05	228	347	Average	HORIZONTAL
4	5243.00	107.64			100.49	6.30	33.90	33.05	228	347	Peak	HORIZONTAL
5	5350.00	46.93	54.00	-7.07	39.46	6.47	34.06	33.06	228	347	Average	HORIZONTAL
6	5351.20	60.00	74.00	-14.00	52.53	6.47	34.06	33.06	228	347	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.20	61.70	68.20	-6.50	53.58	6.83	34.42	33.13	198	340	Peak	HORIZONTAL
2	5721.80	76.76	78.20	-1.44	68.63	6.83	34.43	33.13	198	340	Peak	HORIZONTAL
3	5747.00	105.19			97.03	6.86	34.44	33.14	198	340	Peak	HORIZONTAL
4	5747.20	93.72			85.56	6.86	34.44	33.14	198	340	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.00	60.22	68.20	-7.98	52.10	6.83	34.42	33.13	224	336	Peak	HORIZONTAL
2	5721.00	59.79	78.20	-18.41	51.66	6.83	34.43	33.13	224	336	Peak	HORIZONTAL
3	5777.80	95.07			86.87	6.88	34.47	33.15	224	336	Average	HORIZONTAL
4	5783.40	105.82			97.61	6.90	34.47	33.16	224	336	Peak	HORIZONTAL
5	5852.00	60.30	78.20	-17.90	52.01	6.95	34.51	33.17	224	336	Peak	HORIZONTAL
6	5876.20	62.19	68.20	-6.01	53.87	6.97	34.53	33.18	224	336	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5829.20	105.74			97.48	6.92	34.50	33.16	226	315	Peak	HORIZONTAL
2	5832.40	94.44			86.16	6.95	34.50	33.17	226	315	Average	HORIZONTAL
3	5850.00	75.12	78.20	-3.08	66.83	6.95	34.51	33.17	226	315	Peak	HORIZONTAL
4	5863.80	63.97	68.20	-4.23	55.66	6.97	34.52	33.18	226	315	Peak	HORIZONTAL

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

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

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.20	64.64	74.00	-9.36	57.74	6.21	33.74	33.05	222	347	Peak	HORIZONTAL
2	5150.00	50.16	54.00	-3.84	43.26	6.21	33.74	33.05	222	347	Average	HORIZONTAL
3	5202.40	103.35			96.31	6.27	33.82	33.05	222	347	Peak	HORIZONTAL
4	5204.40	93.89			86.85	6.27	33.82	33.05	222	347	Average	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.60	58.41	74.00	-15.59	51.51	6.21	33.74	33.05	231	340	Peak	HORIZONTAL
2	5150.00	46.10	54.00	-7.90	39.20	6.21	33.74	33.05	231	340	Average	HORIZONTAL
3	5237.60	94.88			87.76	6.30	33.87	33.05	231	340	Average	HORIZONTAL
4	5237.60	105.47			98.35	6.30	33.87	33.05	231	340	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 1TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.60	70.47	74.00	-3.53	62.35	6.83	34.42	33.13	252	296	Peak	VERTICAL
2	5715.00	52.95	54.00	-1.05	44.83	6.83	34.42	33.13	252	296	Average	VERTICAL
3	5722.20	70.76	78.20	-7.44	62.63	6.83	34.43	33.13	252	296	Peak	VERTICAL
4	5767.00	101.56			93.37	6.88	34.46	33.15	252	296	Peak	VERTICAL
5	5769.80	91.84			83.64	6.88	34.47	33.15	252	296	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	60.17	68.20	-8.03	52.05	6.83	34.42	33.13	248	298	Peak	VERTICAL
2	5723.00	60.33	78.20	-17.87	52.20	6.83	34.43	33.13	248	298	Peak	VERTICAL
3	5781.80	92.72			84.51	6.90	34.47	33.16	248	298	Average	VERTICAL
4	5784.20	102.93			94.72	6.90	34.47	33.16	248	298	Peak	VERTICAL
5	5852.40	66.24	78.20	-11.96	57.95	6.95	34.51	33.17	248	298	Peak	VERTICAL
6	5869.80	65.87	68.20	-2.33	57.56	6.97	34.52	33.18	248	298	Peak	VERTICAL

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

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

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.00	52.62	54.00	-1.38	45.72	6.21	33.74	33.05	231	341	Average	HORIZONTAL
2	5150.00	64.23	74.00	-9.77	57.33	6.21	33.74	33.05	231	341	Peak	HORIZONTAL
3	5240.00	92.20			85.08	6.30	33.87	33.05	231	341	Average	HORIZONTAL
4	5242.00	101.97			94.82	6.30	33.90	33.05	231	341	Peak	HORIZONTAL
5	5350.00	49.16	54.00	-4.84	41.69	6.47	34.06	33.06	231	341	Average	HORIZONTAL
6	5358.00	60.20	74.00	-13.80	52.73	6.47	34.06	33.06	231	341	Peak	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.00	66.63	68.20	-1.57	58.51	6.83	34.42	33.13	218	337	Peak	HORIZONTAL
2	5722.00	67.89	78.20	-10.31	59.76	6.83	34.43	33.13	218	337	Peak	HORIZONTAL
3	5767.00	88.91			80.72	6.88	34.46	33.15	218	337	Average	HORIZONTAL
4	5785.00	98.29			90.08	6.90	34.47	33.16	218	337	Peak	HORIZONTAL
5	5859.00	68.69	78.20	-9.51	60.38	6.97	34.52	33.18	218	335	Peak	HORIZONTAL
6	5871.00	67.00	68.20	-1.20	58.68	6.97	34.53	33.18	218	335	Peak	HORIZONTAL

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

Note:

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

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

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

Channel 36

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

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

Channel 40

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

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

Channel 48

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.80	62.30	68.20	-5.90	54.18	6.83	34.42	33.13	192	349	Peak	HORIZONTAL
2	5724.80	76.64	78.20	-1.56	68.51	6.83	34.43	33.13	192	349	Peak	HORIZONTAL
3	5743.80	97.74			89.58	6.86	34.44	33.14	192	349	Average	HORIZONTAL
4	5743.80	108.32			100.16	6.86	34.44	33.14	192	349	Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.80	60.43	68.20	-7.77	52.33	6.81	34.41	33.12	172	353	Peak	VERTICAL
2	5718.60	60.19	78.20	-18.01	52.06	6.83	34.43	33.13	172	353	Peak	VERTICAL
3	5780.20	98.32			90.12	6.88	34.47	33.15	172	353	Average	VERTICAL
4	5780.60	108.84			100.64	6.88	34.47	33.15	172	353	Peak	VERTICAL
5	5857.60	60.87	78.20	-17.33	52.57	6.95	34.52	33.17	172	353	Peak	VERTICAL
6	5879.80	62.07	68.20	-6.13	53.75	6.97	34.53	33.18	172	353	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5828.60	101.84			93.58	6.92	34.50	33.16	187	347	Average	HORIZONTAL
2	5828.80	113.04			104.78	6.92	34.50	33.16	187	347	Peak	HORIZONTAL
3	5850.40	72.95	78.20	-5.25	64.66	6.95	34.51	33.17	187	347	Peak	HORIZONTAL
4	5860.00	67.05	68.20	-1.15	58.74	6.97	34.52	33.18	187	347	Peak	HORIZONTAL

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

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

Channel 36

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

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

Channel 40

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

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

Channel 48

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.00	61.63	68.20	-6.57	53.51	6.83	34.42	33.13	195	347	Peak	HORIZONTAL
2	5721.60	76.87	78.20	-1.33	68.74	6.83	34.43	33.13	195	347	Peak	HORIZONTAL
3	5739.60	108.08			99.92	6.86	34.44	33.14	195	347	Peak	HORIZONTAL
4	5752.00	96.92			88.74	6.86	34.46	33.14	195	347	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.00	59.80	68.20	-8.40	51.70	6.81	34.41	33.12	204	3	Peak	VERTICAL
2	5717.80	59.09	78.20	-19.11	50.96	6.83	34.43	33.13	204	3	Peak	VERTICAL
3	5793.00	95.02			86.80	6.90	34.48	33.16	204	3	Average	VERTICAL
4	5793.00	105.72			97.50	6.90	34.48	33.16	204	3	Peak	VERTICAL
5	5850.00	60.38	78.20	-17.82	52.09	6.95	34.51	33.17	204	3	Peak	VERTICAL
6	5874.20	61.77	68.20	-6.43	53.45	6.97	34.53	33.18	204	3	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5817.00	99.97			91.72	6.92	34.49	33.16	204	349	Average	HORIZONTAL
2	5819.60	111.51			103.25	6.92	34.50	33.16	204	349	Peak	HORIZONTAL
3	5850.00	76.73	78.20	-1.47	68.44	6.95	34.51	33.17	204	349	Peak	HORIZONTAL
4	5861.00	65.02	68.20	-3.18	56.71	6.97	34.52	33.18	204	349	Peak	HORIZONTAL

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

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

Channel 38

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

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

Channel 46

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 2TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.60	67.13	68.20	-1.07	59.01	6.83	34.42	33.13	201	346	Peak	HORIZONTAL
2	5719.40	68.56	78.20	-9.64	60.43	6.83	34.43	33.13	201	346	Peak	HORIZONTAL
3	5772.20	92.59			84.39	6.88	34.47	33.15	201	346	Average	HORIZONTAL
4	5772.20	103.17			94.97	6.88	34.47	33.15	201	346	Peak	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.20	60.16	68.20	-8.04	52.04	6.83	34.42	33.13	209	350	Peak	HORIZONTAL
2	5721.40	60.58	78.20	-17.62	52.45	6.83	34.43	33.13	209	350	Peak	HORIZONTAL
3	5807.00	96.56			88.31	6.92	34.49	33.16	209	350	Average	HORIZONTAL
4	5809.40	107.32			99.07	6.92	34.49	33.16	209	350	Peak	HORIZONTAL
5	5858.00	65.51	78.20	-12.69	57.20	6.97	34.52	33.18	209	350	Peak	HORIZONTAL
6	5863.00	66.77	68.20	-1.43	58.46	6.97	34.52	33.18	209	350	Peak	HORIZONTAL

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

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

Channel 42

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

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.00	66.97	68.20	-1.23	58.85	6.83	34.42	33.13	208	350	Peak	VERTICAL
2	5719.00	68.70	78.20	-9.50	60.57	6.83	34.43	33.13	208	350	Peak	VERTICAL
3	5778.00	98.48			90.28	6.88	34.47	33.15	208	350	Peak	VERTICAL
4	5783.00	89.16			80.95	6.90	34.47	33.16	208	350	Average	VERTICAL
5	5850.00	67.83	78.20	-10.37	59.54	6.95	34.51	33.17	208	350	Peak	VERTICAL
6	5871.00	67.17	68.20	-1.03	58.85	6.97	34.53	33.18	208	350	Peak	VERTICAL

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

Note:

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

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

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

Channel 36

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

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

Channel 40

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

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

Channel 48

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.20	63.27	68.20	-4.93	55.15	6.83	34.42	33.13	198	342	Peak	HORIZONTAL
2	5724.40	77.06	78.20	-1.14	68.93	6.83	34.43	33.13	198	342	Peak	HORIZONTAL
3	5743.80	110.24			102.08	6.86	34.44	33.14	198	342	Peak	HORIZONTAL
4	5744.00	99.69			91.53	6.86	34.44	33.14	198	342	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5704.20	61.08	68.20	-7.12	52.97	6.81	34.42	33.12	199	350	Peak	HORIZONTAL
2	5723.00	59.79	78.20	-18.41	51.66	6.83	34.43	33.13	199	350	Peak	HORIZONTAL
3	5784.20	102.84			94.63	6.90	34.47	33.16	199	350	Average	HORIZONTAL
4	5784.20	113.19			104.98	6.90	34.47	33.16	199	350	Peak	HORIZONTAL
5	5859.80	62.36	78.20	-15.84	54.05	6.97	34.52	33.18	199	350	Peak	HORIZONTAL
6	5860.00	61.37	68.20	-6.83	53.06	6.97	34.52	33.18	199	350	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5820.00	114.17			105.91	6.92	34.50	33.16	256	341	Peak	VERTICAL
2	5830.40	103.49			95.23	6.92	34.50	33.16	256	341	Average	VERTICAL
3	5851.00	70.97	78.20	-7.23	62.68	6.95	34.51	33.17	256	341	Peak	VERTICAL
4	5860.00	67.12	68.20	-1.08	58.81	6.97	34.52	33.18	256	341	Peak	VERTICAL

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

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

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.20	65.30	74.00	-8.70	58.40	6.21	33.74	33.05	219	358	Peak	HORIZONTAL
2	5148.60	49.93	54.00	-4.07	43.03	6.21	33.74	33.05	219	358	Average	HORIZONTAL
3	5173.20	102.46			95.50	6.24	33.77	33.05	219	358	Average	HORIZONTAL
4	5173.20	113.89			106.93	6.24	33.77	33.05	219	358	Peak	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5120.40	47.40	54.00	-6.60	40.59	6.17	33.69	33.05	173	5	Average	VERTICAL
2	5143.60	59.15	74.00	-14.85	52.29	6.17	33.74	33.05	173	5	Peak	VERTICAL
3	5196.00	113.30			106.26	6.27	33.82	33.05	173	5	Peak	VERTICAL
4	5205.60	102.93			95.89	6.27	33.82	33.05	173	5	Average	VERTICAL

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

Channel 48

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.80	62.16	68.20	-6.04	54.04	6.83	34.42	33.13	218	343	Peak	HORIZONTAL
2	5724.60	76.77	78.20	-1.43	68.64	6.83	34.43	33.13	218	343	Peak	HORIZONTAL
3	5739.80	98.03			89.87	6.86	34.44	33.14	218	343	Average	HORIZONTAL
4	5740.20	108.77			100.61	6.86	34.44	33.14	218	343	Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.80	60.55	68.20	-7.65	52.43	6.83	34.42	33.13	204	348	Peak	HORIZONTAL
2	5720.20	59.65	78.20	-18.55	51.52	6.83	34.43	33.13	204	348	Peak	HORIZONTAL
3	5789.40	113.28			105.06	6.90	34.48	33.16	204	348	Peak	HORIZONTAL
4	5789.80	102.49			94.27	6.90	34.48	33.16	204	348	Average	HORIZONTAL
5	5850.80	61.07	78.20	-17.13	52.78	6.95	34.51	33.17	204	348	Peak	HORIZONTAL
6	5867.40	62.29	68.20	-5.91	53.98	6.97	34.52	33.18	204	348	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5819.80	101.85			93.59	6.92	34.50	33.16	216	350	Average	HORIZONTAL
2	5820.00	112.90			104.64	6.92	34.50	33.16	216	350	Peak	HORIZONTAL
3	5850.00	77.09	78.20	-1.11	68.80	6.95	34.51	33.17	216	350	Peak	HORIZONTAL
4	5860.00	66.33	68.20	-1.87	58.02	6.97	34.52	33.18	216	350	Peak	HORIZONTAL

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

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

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna 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	67.00	74.00	-7.00	60.10	6.21	33.74	33.05	202	1	Peak	VERTICAL
2	5150.00	52.51	54.00	-1.49	45.61	6.21	33.74	33.05	202	1	Average	VERTICAL
3	5196.40	109.12			102.08	6.27	33.82	33.05	202	1	Peak	VERTICAL
4	5201.60	99.20			92.16	6.27	33.82	33.05	202	1	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna 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	58.47	74.00	-15.53	51.64	6.17	33.71	33.05	196	332	Peak	VERTICAL
2	5143.60	47.04	54.00	-6.96	40.18	6.17	33.74	33.05	196	332	Average	VERTICAL
3	5234.00	100.78			93.66	6.30	33.87	33.05	196	332	Average	VERTICAL
4	5243.60	110.80			103.65	6.30	33.90	33.05	196	332	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Oct. 10, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 3TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.40	66.99	68.20	-1.21	58.87	6.83	34.42	33.13	192	348	Peak	HORIZONTAL
2	5724.60	68.24	78.20	-9.96	60.11	6.83	34.43	33.13	192	348	Peak	HORIZONTAL
3	5769.80	95.10			86.90	6.88	34.47	33.15	192	348	Average	HORIZONTAL
4	5770.20	104.52			96.32	6.88	34.47	33.15	192	348	Peak	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.20	60.71	68.20	-7.49	52.59	6.83	34.42	33.13	189	352	Peak	HORIZONTAL
2	5723.80	65.62	78.20	-12.58	57.49	6.83	34.43	33.13	189	352	Peak	HORIZONTAL
3	5809.40	99.84			91.59	6.92	34.49	33.16	189	352	Average	HORIZONTAL
4	5809.40	110.34			102.09	6.92	34.49	33.16	189	352	Peak	HORIZONTAL
5	5850.00	68.06	78.20	-10.14	59.77	6.95	34.51	33.17	189	352	Peak	HORIZONTAL
6	5863.40	66.63	68.20	-1.57	58.32	6.97	34.52	33.18	189	352	Peak	HORIZONTAL

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

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

Channel 42

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

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.00	67.11	68.20	-1.09	58.99	6.83	34.42	33.13	198	347	Peak	HORIZONTAL
2	5724.00	68.29	78.20	-9.91	60.16	6.83	34.43	33.13	198	347	Peak	HORIZONTAL
3	5804.00	103.46			95.23	6.90	34.49	33.16	198	347	Peak	HORIZONTAL
4	5809.00	93.31			85.06	6.92	34.49	33.16	198	347	Average	HORIZONTAL
5	5850.00	66.55	78.20	-11.65	58.26	6.95	34.51	33.17	198	347	Peak	HORIZONTAL
6	5865.00	65.90	68.20	-2.30	57.59	6.97	34.52	33.18	198	347	Peak	HORIZONTAL

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

Note:

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

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

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

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5105.60	49.84	54.00	-4.16	43.06	6.14	33.69	33.05	225	356	Average	HORIZONTAL
2	5146.40	62.58	74.00	-11.42	55.68	6.21	33.74	33.05	225	356	Peak	HORIZONTAL
3	5185.60	104.77			97.79	6.24	33.79	33.05	225	356	Average	HORIZONTAL
4	5186.00	114.85			107.87	6.24	33.79	33.05	225	356	Peak	HORIZONTAL

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

Channel 40

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

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

Channel 48

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.20	62.51	68.20	-5.69	54.41	6.81	34.41	33.12	193	346	Peak	HORIZONTAL
2	5724.20	77.14	78.20	-1.06	69.01	6.83	34.43	33.13	193	346	Peak	HORIZONTAL
3	5742.40	114.05			105.89	6.86	34.44	33.14	193	346	Peak	HORIZONTAL
4	5742.80	103.74			95.58	6.86	34.44	33.14	193	346	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5704.00	62.54	68.20	-5.66	54.43	6.81	34.42	33.12	202	348	Peak	HORIZONTAL
2	5725.00	60.98	78.20	-17.22	52.85	6.83	34.43	33.13	202	348	Peak	HORIZONTAL
3	5782.00	116.11			107.90	6.90	34.47	33.16	202	348	Peak	HORIZONTAL
4	5782.60	106.34			98.13	6.90	34.47	33.16	202	348	Average	HORIZONTAL
5	5850.00	61.18	78.20	-17.02	52.89	6.95	34.51	33.17	202	348	Peak	HORIZONTAL
6	5861.80	63.39	68.20	-4.81	55.08	6.97	34.52	33.18	202	348	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5822.20	117.26			109.00	6.92	34.50	33.16	191	347	Peak	HORIZONTAL
2	5823.00	106.18			97.92	6.92	34.50	33.16	191	347	Average	HORIZONTAL
3	5850.60	73.07	78.20	-5.13	64.78	6.95	34.51	33.17	191	347	Peak	HORIZONTAL
4	5862.20	52.76	54.00	-1.24	44.45	6.97	34.52	33.18	191	347	Average	HORIZONTAL
5	5864.60	66.89	74.00	-7.11	58.58	6.97	34.52	33.18	191	347	Peak	HORIZONTAL

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

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

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.00	50.04	54.00	-3.96	43.14	6.21	33.74	33.05	218	357	Average	HORIZONTAL
2	5148.40	63.73	74.00	-10.27	56.83	6.21	33.74	33.05	218	357	Peak	HORIZONTAL
3	5173.20	103.65			96.69	6.24	33.77	33.05	218	357	Average	HORIZONTAL
4	5173.20	112.92			105.96	6.24	33.77	33.05	218	357	Peak	HORIZONTAL

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

Channel 40

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

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

Channel 48

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	62.34	68.20	-5.86	54.22	6.83	34.42	33.13	190	347	Peak	HORIZONTAL
2	5724.80	77.01	78.20	-1.19	68.88	6.83	34.43	33.13	190	347	Peak	HORIZONTAL
3	5739.60	102.13			93.97	6.86	34.44	33.14	190	347	Average	HORIZONTAL
4	5739.60	112.14			103.98	6.86	34.44	33.14	190	347	Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.00	62.35	68.20	-5.85	54.23	6.83	34.42	33.13	270	344	Peak	VERTICAL
2	5725.00	60.25	78.20	-17.95	52.12	6.83	34.43	33.13	270	344	Peak	VERTICAL
3	5786.80	103.38			95.16	6.90	34.48	33.16	270	344	Average	VERTICAL
4	5792.20	114.44			106.22	6.90	34.48	33.16	270	344	Peak	VERTICAL
5	5851.80	61.34	78.20	-16.86	53.05	6.95	34.51	33.17	270	344	Peak	VERTICAL
6	5870.20	61.99	68.20	-6.21	53.68	6.97	34.52	33.18	270	344	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5819.40	115.05			106.80	6.92	34.49	33.16	193	350	Peak	HORIZONTAL
2	5829.40	105.36			97.10	6.92	34.50	33.16	193	350	Average	HORIZONTAL
3	5850.00	77.12	78.20	-1.08	68.83	6.95	34.51	33.17	193	350	Peak	HORIZONTAL
4	5860.00	52.25	54.00	-1.75	43.94	6.97	34.52	33.18	193	350	Average	HORIZONTAL
5	5860.00	65.35	74.00	-8.65	57.04	6.97	34.52	33.18	193	350	Peak	HORIZONTAL

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

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

Channel 38

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

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

Channel 46

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.80	67.01	68.20	-1.19	58.89	6.83	34.42	33.13	192	348	Peak	HORIZONTAL
2	5719.80	69.12	78.20	-9.08	60.99	6.83	34.43	33.13	192	348	Peak	HORIZONTAL
3	5769.40	96.66			88.46	6.88	34.47	33.15	192	348	Average	HORIZONTAL
4	5769.80	107.24			99.04	6.88	34.47	33.15	192	348	Peak	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5623.80	61.40	68.20	-6.80	53.39	6.74	34.37	33.10	188	348	Peak	HORIZONTAL
2	5719.00	63.59	78.20	-14.61	55.46	6.83	34.43	33.13	188	348	Peak	HORIZONTAL
3	5809.40	101.88			93.63	6.92	34.49	33.16	188	348	Average	HORIZONTAL
4	5809.40	111.98			103.73	6.92	34.49	33.16	188	348	Peak	HORIZONTAL
5	5852.60	67.73	78.20	-10.47	59.44	6.95	34.51	33.17	188	348	Peak	HORIZONTAL
6	5860.60	67.19	68.20	-1.01	58.88	6.97	34.52	33.18	188	348	Peak	HORIZONTAL

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

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

Channel 42

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

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.40	67.12	68.20	-1.08	59.00	6.83	34.42	33.13	194	345	Peak	HORIZONTAL
2	5724.60	67.74	78.20	-10.46	59.61	6.83	34.43	33.13	194	345	Peak	HORIZONTAL
3	5784.60	93.81			85.60	6.90	34.47	33.16	194	345	Average	HORIZONTAL
4	5789.40	104.15			95.93	6.90	34.48	33.16	194	345	Peak	HORIZONTAL
5	5850.00	62.64	78.20	-15.56	54.35	6.95	34.51	33.17	194	345	Peak	HORIZONTAL
6	5871.80	62.78	68.20	-5.42	54.46	6.97	34.53	33.18	194	345	Peak	HORIZONTAL

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

Note:

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

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

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

Channel 36

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

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

Channel 40

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

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

Channel 48

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1
Test Date	Oct. 12, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.80	63.66	68.20	-4.54	55.54	6.83	34.42	33.13	286	84	Peak	VERTICAL
2	5725.00	77.19	78.20	-1.01	69.06	6.83	34.43	33.13	286	84	Peak	VERTICAL
3	5743.00	109.79			101.63	6.86	34.44	33.14	286	84	Peak	VERTICAL
4	5751.40	99.15			90.99	6.86	34.44	33.14	286	84	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.60	61.29	68.20	-6.91	53.19	6.81	34.41	33.12	253	78	Peak	VERTICAL
2	5722.60	60.90	78.20	-17.30	52.77	6.83	34.43	33.13	253	78	Peak	VERTICAL
3	5778.20	99.91			91.71	6.88	34.47	33.15	253	78	Average	VERTICAL
4	5782.60	110.43			102.22	6.90	34.47	33.16	253	78	Peak	VERTICAL
5	5854.80	62.75	78.20	-15.45	54.45	6.95	34.52	33.17	253	78	Peak	VERTICAL
6	5861.80	62.98	68.20	-5.22	54.67	6.97	34.52	33.18	253	78	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5831.40	101.69			93.43	6.92	34.50	33.16	246	318	Average	VERTICAL
2	5831.40	111.24			102.98	6.92	34.50	33.16	246	318	Peak	VERTICAL
3	5850.00	74.43	78.20	-3.77	66.14	6.95	34.51	33.17	246	318	Peak	VERTICAL
4	5869.80	67.00	68.20	-1.20	58.69	6.97	34.52	33.18	246	318	Peak	VERTICAL

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

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

Channel 36

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

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

Channel 40

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

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

Channel 48

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1
Test Date	Oct. 12, 2015 ~ Oct. 13, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.20	64.00	68.20	-4.20	55.88	6.83	34.42	33.13	256	75	Peak	VERTICAL
2	5722.60	77.16	78.20	-1.04	69.03	6.83	34.43	33.13	256	75	Peak	VERTICAL
3	5739.40	97.58			89.42	6.86	34.44	33.14	256	75	Average	VERTICAL
4	5743.40	107.88			99.72	6.86	34.44	33.14	256	75	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.80	61.13	68.20	-7.07	53.01	6.83	34.42	33.13	258	79	Peak	VERTICAL
2	5725.00	59.60	78.20	-18.60	51.47	6.83	34.43	33.13	258	79	Peak	VERTICAL
3	5778.20	98.35			90.15	6.88	34.47	33.15	258	79	Average	VERTICAL
4	5781.40	108.49			100.28	6.90	34.47	33.16	258	79	Peak	VERTICAL
5	5850.40	60.75	78.20	-17.45	52.46	6.95	34.51	33.17	258	79	Peak	VERTICAL
6	5867.40	62.00	68.20	-6.20	53.69	6.97	34.52	33.18	258	79	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5831.00	110.20			101.94	6.92	34.50	33.16	249	316	Peak	VERTICAL
2	5833.00	100.30			92.02	6.95	34.50	33.17	249	316	Average	VERTICAL
3	5850.00	74.69	78.20	-3.51	66.40	6.95	34.51	33.17	249	316	Peak	VERTICAL
4	5861.40	66.19	68.20	-2.01	57.88	6.97	34.52	33.18	249	316	Peak	VERTICAL

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

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

Channel 38

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

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

Channel 46

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1
Test Date	Oct. 13, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 1TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.80	67.61	74.00	-6.39	59.49	6.83	34.42	33.13	251	79	Peak	VERTICAL
2	5714.20	52.95	54.00	-1.05	44.83	6.83	34.42	33.13	251	79	Average	VERTICAL
3	5724.60	69.62	78.20	-8.58	61.49	6.83	34.43	33.13	251	79	Peak	VERTICAL
4	5769.40	104.64			96.44	6.88	34.47	33.15	251	79	Peak	VERTICAL
5	5772.20	93.81			85.61	6.88	34.47	33.15	251	79	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5706.20	60.87	68.20	-7.33	52.75	6.83	34.42	33.13	250	76	Peak	VERTICAL
2	5719.80	64.37	78.20	-13.83	56.24	6.83	34.43	33.13	250	76	Peak	VERTICAL
3	5805.00	105.44			97.21	6.90	34.49	33.16	250	76	Peak	VERTICAL
4	5810.20	94.98			86.73	6.92	34.49	33.16	250	76	Average	VERTICAL
5	5851.40	70.03	78.20	-8.17	61.74	6.95	34.51	33.17	250	76	Peak	VERTICAL
6	5862.60	66.82	68.20	-1.38	58.51	6.97	34.52	33.18	250	76	Peak	VERTICAL

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