

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11420.29	58.35	74.00	-15.65	41.70	10.69	39.33	33.37	324	160	Peak	HORIZONTAL
2	11420.56	44.71	54.00	-9.29	28.06	10.69	39.33	33.37	324	160	Average	HORIZONTAL

Vertical

	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	11419.18	44.73	54.00	-9.27	28.08	10.69	39.33	33.37	260	160	Average	VERTICAL
2	11420.29	57.97	74.00	-16.03	41.32	10.69	39.33	33.37	260	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	15869.68	58.66	74.00	-15.34	42.15	12.57	37.97	34.03	228	160	Peak	HORIZONTAL
2	15870.63	45.12	54.00	-8.88	28.61	12.57	37.97	34.03	228	160	Average	HORIZONTAL

Vertical

	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	15869.30	58.12	74.00	-15.88	41.61	12.57	37.97	34.03	299	160	Peak	VERTICAL
2	15870.06	44.49	54.00	-9.51	27.98	12.57	37.97	34.03	299	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11059.07	57.14	74.00	-16.86	40.90	10.57	39.05	33.38	153	160	Peak	HORIZONTAL
2	11059.36	43.81	54.00	-10.19	27.57	10.57	39.05	33.38	153	160	Average	HORIZONTAL

Vertical

	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	11059.71	57.10	74.00	-16.90	40.86	10.57	39.05	33.38	103	160	Peak	VERTICAL
2	11060.85	44.01	54.00	-9.99	27.76	10.58	39.05	33.38	103	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11219.62	57.61	74.00	-16.39	41.19	10.63	39.17	33.38	230	160	Peak	HORIZONTAL
2	11220.67	43.89	54.00	-10.11	27.47	10.63	39.17	33.38	230	160	Average	HORIZONTAL

Vertical

	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	11220.37	57.60	74.00	-16.40	41.18	10.63	39.17	33.38	183	160	Peak	VERTICAL
2	11220.61	43.86	54.00	-10.14	27.44	10.63	39.17	33.38	183	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11380.27	44.50	54.00	-9.50	27.88	10.68	39.31	33.37	228	160	Average	HORIZONTAL
2	11380.29	58.08	74.00	-15.92	41.46	10.68	39.31	33.37	228	160	Peak	HORIZONTAL

Vertical

	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	11379.82	44.51	54.00	-9.49	27.89	10.68	39.31	33.37	283	160	Average	VERTICAL
2	11379.94	57.34	74.00	-16.66	40.72	10.68	39.31	33.37	283	160	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	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	15778.53	59.37	74.00	-14.63	42.64	12.57	38.11	33.95	10	165	Peak	HORIZONTAL
2	15786.28	45.87	54.00	-8.13	29.16	12.57	38.09	33.95	10	165	Average	HORIZONTAL

Vertical

	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	15784.97	46.14	54.00	-7.86	29.43	12.57	38.09	33.95	6	165	Average	VERTICAL
2	15785.93	58.78	74.00	-15.22	42.07	12.57	38.09	33.95	6	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	10591.96	57.04	74.00	-16.96	41.59	10.16	38.92	33.63	44	165	Peak	HORIZONTAL
2	10595.67	43.92	54.00	-10.08	28.47	10.16	38.92	33.63	44	165	Average	HORIZONTAL
3	15893.08	59.22	74.00	-14.78	42.76	12.57	37.94	34.05	37	165	Peak	HORIZONTAL
4	15908.37	45.99	54.00	-8.01	29.59	12.56	37.92	34.08	37	165	Average	HORIZONTAL

Vertical

	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	10595.80	44.02	54.00	-9.98	28.57	10.16	38.92	33.63	14	165	Average	VERTICAL
2	10608.01	57.34	74.00	-16.66	41.85	10.19	38.92	33.62	14	165	Peak	VERTICAL
3	15903.11	59.94	74.00	-14.06	43.50	12.57	37.92	34.05	22	165	Peak	VERTICAL
4	15906.96	46.06	54.00	-7.94	29.66	12.56	37.92	34.08	22	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	10634.78	57.80	74.00	-16.20	42.26	10.21	38.93	33.60	29	165	Peak	HORIZONTAL
2	10648.04	43.93	54.00	-10.07	28.39	10.21	38.93	33.60	29	165	Average	HORIZONTAL
3	15951.63	59.27	74.00	-14.73	42.96	12.56	37.85	34.10	56	165	Peak	HORIZONTAL
4	15954.07	45.77	54.00	-8.23	29.46	12.56	37.85	34.10	56	165	Average	HORIZONTAL

Vertical

	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	10632.40	57.95	74.00	-16.05	42.41	10.21	38.93	33.60	41	165	Peak	VERTICAL
2	10644.01	43.81	54.00	-10.19	28.27	10.21	38.93	33.60	41	165	Average	VERTICAL
3	15950.45	45.76	54.00	-8.24	29.43	12.56	37.87	34.10	53	165	Average	VERTICAL
4	15956.44	58.72	74.00	-15.28	42.44	12.56	37.85	34.13	53	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	10990.13	44.41	54.00	-9.59	28.24	10.55	39.00	33.38	12	165	Average	HORIZONTAL
2	11000.35	57.48	74.00	-16.52	41.31	10.55	39.00	33.38	12	165	Peak	HORIZONTAL

Vertical

	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	10990.67	57.25	74.00	-16.75	41.08	10.55	39.00	33.38	37	165	Peak	VERTICAL
2	10994.29	44.50	54.00	-9.50	28.33	10.55	39.00	33.38	37	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	11157.85	58.31	74.00	-15.69	41.96	10.60	39.13	33.38	24	165	Peak	HORIZONTAL
2	11166.51	44.22	54.00	-9.78	27.86	10.61	39.13	33.38	24	165	Average	HORIZONTAL

Vertical

	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	11158.43	44.43	54.00	-9.57	28.08	10.60	39.13	33.38	14	165	Average	VERTICAL
2	11165.93	57.84	74.00	-16.16	41.48	10.61	39.13	33.38	14	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	11400.29	45.01	54.00	-8.99	28.37	10.69	39.32	33.37	68	165	Average	HORIZONTAL
2	11409.46	58.61	74.00	-15.39	41.97	10.69	39.32	33.37	68	165	Peak	HORIZONTAL

Vertical

	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	11393.53	58.11	74.00	-15.89	41.48	10.69	39.31	33.37	53	165	Peak	VERTICAL
2	11399.62	45.16	54.00	-8.84	28.52	10.69	39.32	33.37	53	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	11418.33	58.08	74.00	-15.92	41.43	10.69	39.33	33.37	76	165	Peak	HORIZONTAL
2	11429.62	45.52	54.00	-8.48	28.85	10.69	39.35	33.37	76	165	Average	HORIZONTAL

Vertical

	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	11428.30	45.16	54.00	-8.84	28.51	10.69	39.33	33.37	102	165	Average	VERTICAL
2	11429.90	58.60	74.00	-15.40	41.93	10.69	39.35	33.37	102	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	15812.56	58.58	74.00	-15.42	41.92	12.57	38.07	33.98	26	165	Peak	HORIZONTAL
2	15819.39	45.60	54.00	-8.40	28.97	12.57	38.04	33.98	26	165	Average	HORIZONTAL

Vertical

	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	15800.16	59.59	74.00	-14.41	42.90	12.57	38.07	33.95	56	165	Peak	VERTICAL
2	15817.76	45.93	54.00	-8.07	29.30	12.57	38.04	33.98	56	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	10627.02	43.91	54.00	-10.09	28.38	10.21	38.92	33.60	47	165	Average	HORIZONTAL
2	10627.66	57.40	74.00	-16.60	41.87	10.21	38.92	33.60	47	165	Peak	HORIZONTAL
3	15920.99	59.59	74.00	-14.41	43.21	12.56	37.90	34.08	76	165	Peak	HORIZONTAL
4	15930.16	46.15	54.00	-7.85	29.77	12.56	37.90	34.08	76	165	Average	HORIZONTAL

Vertical

	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	10614.04	43.95	54.00	-10.05	28.46	10.19	38.92	33.62	50	165	Average	VERTICAL
2	10626.57	57.50	74.00	-16.50	41.97	10.21	38.92	33.60	50	165	Peak	VERTICAL
3	15930.16	46.24	54.00	-7.76	29.86	12.56	37.90	34.08	34	165	Average	VERTICAL
4	15931.60	58.56	74.00	-15.44	42.20	12.56	37.90	34.10	34	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	11010.19	57.12	74.00	-16.88	40.93	10.56	39.01	33.38	66	165	Peak	HORIZONTAL
2	11017.08	44.29	54.00	-9.71	28.10	10.56	39.01	33.38	66	165	Average	HORIZONTAL

Vertical

	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	11018.27	44.39	54.00	-9.61	28.20	10.56	39.01	33.38	31	165	Average	VERTICAL
2	11026.03	57.31	74.00	-16.69	41.10	10.56	39.03	33.38	31	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	11103.72	44.83	54.00	-9.17	28.55	10.58	39.08	33.38	76	165	Average	HORIZONTAL
2	11109.10	58.34	74.00	-15.66	42.05	10.58	39.09	33.38	76	165	Peak	HORIZONTAL

Vertical

	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	11098.43	44.39	54.00	-9.61	28.11	10.58	39.08	33.38	94	165	Average	VERTICAL
2	11099.23	57.71	74.00	-16.29	41.43	10.58	39.08	33.38	94	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	11343.49	44.84	54.00	-9.16	28.27	10.67	39.27	33.37	47	165	Average	HORIZONTAL
2	11347.95	58.46	74.00	-15.54	41.88	10.67	39.28	33.37	47	165	Peak	HORIZONTAL

Vertical

	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	11345.61	58.43	74.00	-15.57	41.85	10.67	39.28	33.37	15	165	Peak	VERTICAL
2	11347.18	44.99	54.00	-9.01	28.41	10.67	39.28	33.37	15	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	11414.29	45.06	54.00	-8.94	28.41	10.69	39.33	33.37	129	165	Average	HORIZONTAL
2	11418.40	58.47	74.00	-15.53	41.82	10.69	39.33	33.37	129	165	Peak	HORIZONTAL

Vertical

	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	11415.54	58.93	74.00	-15.07	42.28	10.69	39.33	33.37	92	165	Peak	VERTICAL
2	11426.41	45.16	54.00	-8.84	28.51	10.69	39.33	33.37	92	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	15870.06	45.48	54.00	-8.52	28.97	12.57	37.97	34.03	74	165	Average	HORIZONTAL
2	15872.82	58.25	74.00	-15.75	41.74	12.57	37.97	34.03	74	165	Peak	HORIZONTAL

Vertical

	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	15860.06	58.46	74.00	-15.54	41.93	12.57	37.99	34.03	88	165	Peak	VERTICAL
2	15879.20	45.78	54.00	-8.22	29.27	12.57	37.97	34.03	88	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	11054.23	44.20	54.00	-9.80	27.97	10.57	39.04	33.38	293	165	Average	HORIZONTAL
2	11060.64	57.27	74.00	-16.73	41.02	10.58	39.05	33.38	293	165	Peak	HORIZONTAL

Vertical

	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	11063.65	44.28	54.00	-9.72	28.03	10.58	39.05	33.38	335	165	Average	VERTICAL
2	11064.71	57.90	74.00	-16.10	41.65	10.58	39.05	33.38	335	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	11224.84	56.91	74.00	-17.09	40.49	10.63	39.17	33.38	43	165	Peak	HORIZONTAL
2	11225.26	44.01	54.00	-9.99	27.59	10.63	39.17	33.38	43	165	Average	HORIZONTAL

Vertical

	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	11215.38	44.19	54.00	-9.81	27.77	10.63	39.17	33.38	62	165	Average	VERTICAL
2	11220.29	57.82	74.00	-16.18	41.40	10.63	39.17	33.38	62	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	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	11382.37	57.88	74.00	-16.12	41.26	10.68	39.31	33.37	51	165	Peak	HORIZONTAL
2	11387.79	44.82	54.00	-9.18	28.20	10.68	39.31	33.37	51	165	Average	HORIZONTAL

Vertical

	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	11380.26	44.97	54.00	-9.03	28.35	10.68	39.31	33.37	13	165	Average	VERTICAL
2	11389.10	58.10	74.00	-15.90	41.48	10.68	39.31	33.37	13	165	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	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	15781.28	45.87	54.00	-8.13	29.14	12.57	38.11	33.95	285	165	Average	HORIZONTAL
2	15784.36	59.53	74.00	-14.47	42.82	12.57	38.09	33.95	285	165	Peak	HORIZONTAL

Vertical

	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	15771.92	59.01	74.00	-14.99	42.26	12.57	38.11	33.93	308	165	Peak	VERTICAL
2	15775.83	45.85	54.00	-8.15	29.10	12.57	38.11	33.93	308	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10592.82	57.45	74.00	-16.55	42.00	10.16	38.92	33.63	34	165	Peak	HORIZONTAL
2	10593.88	43.76	54.00	-10.24	28.31	10.16	38.92	33.63	34	165	Average	HORIZONTAL
3	15901.28	45.99	54.00	-8.01	29.55	12.57	37.92	34.05	70	165	Average	HORIZONTAL
4	15908.46	58.85	74.00	-15.15	42.45	12.56	37.92	34.08	70	165	Peak	HORIZONTAL

Vertical

	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	10595.26	57.18	74.00	-16.82	41.73	10.16	38.92	33.63	262	165	Peak	VERTICAL
2	10608.01	43.99	54.00	-10.01	28.50	10.19	38.92	33.62	262	165	Average	VERTICAL
3	15895.90	59.31	74.00	-14.69	42.85	12.57	37.94	34.05	238	165	Peak	VERTICAL
4	15907.31	45.96	54.00	-8.04	29.56	12.56	37.92	34.08	238	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10635.26	44.02	54.00	-9.98	28.48	10.21	38.93	33.60	13	165	Average	HORIZONTAL
2	10641.57	57.47	74.00	-16.53	41.93	10.21	38.93	33.60	13	165	Peak	HORIZONTAL
3	15952.66	45.76	54.00	-8.24	29.45	12.56	37.85	34.10	64	165	Average	HORIZONTAL
4	15967.08	58.85	74.00	-15.15	42.57	12.56	37.85	34.13	64	165	Peak	HORIZONTAL

Vertical

	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	10634.71	44.27	54.00	-9.73	28.73	10.21	38.93	33.60	10	165	Average	VERTICAL
2	10648.17	57.28	74.00	-16.72	41.74	10.21	38.93	33.60	10	165	Peak	VERTICAL
3	15950.93	45.67	54.00	-8.33	29.34	12.56	37.87	34.10	36	165	Average	VERTICAL
4	15955.80	58.74	74.00	-15.26	42.46	12.56	37.85	34.13	36	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11006.60	57.46	74.00	-16.54	41.28	10.55	39.01	33.38	64	165	Peak	HORIZONTAL
2	11007.60	44.36	54.00	-9.64	28.18	10.55	39.01	33.38	64	165	Average	HORIZONTAL

Vertical

	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	11005.51	57.41	74.00	-16.59	41.23	10.55	39.01	33.38	35	165	Peak	VERTICAL
2	11007.69	44.48	54.00	-9.52	28.30	10.55	39.01	33.38	35	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11150.51	44.58	54.00	-9.42	28.24	10.60	39.12	33.38	47	185	Average	HORIZONTAL
2	11150.67	57.52	74.00	-16.48	41.18	10.60	39.12	33.38	47	185	Peak	HORIZONTAL

Vertical

	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	11158.97	58.03	74.00	-15.97	41.68	10.60	39.13	33.38	352	237	Peak	VERTICAL
2	11161.41	45.03	54.00	-8.97	28.68	10.60	39.13	33.38	352	237	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11394.23	58.23	74.00	-15.77	41.60	10.69	39.31	33.37	37	165	Peak	HORIZONTAL
2	11406.60	45.11	54.00	-8.89	28.47	10.69	39.32	33.37	37	165	Average	HORIZONTAL

Vertical

	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	11395.35	58.09	74.00	-15.91	41.46	10.69	39.31	33.37	74	165	Peak	VERTICAL
2	11401.09	45.34	54.00	-8.66	28.70	10.69	39.32	33.37	74	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11444.07	58.76	74.00	-15.24	42.08	10.70	39.35	33.37	25	165	Peak	HORIZONTAL
2	11446.83	45.38	54.00	-8.62	28.69	10.70	39.36	33.37	25	165	Average	HORIZONTAL

Vertical

	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	11434.62	58.66	74.00	-15.34	41.99	10.69	39.35	33.37	303	156	Peak	VERTICAL
2	11436.44	45.73	54.00	-8.27	29.06	10.69	39.35	33.37	303	156	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	15806.51	58.82	74.00	-15.18	42.16	12.57	38.07	33.98	56	165	Peak	HORIZONTAL
2	15815.06	45.81	54.00	-8.19	29.15	12.57	38.07	33.98	56	165	Average	HORIZONTAL

Vertical

	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	15805.45	58.72	74.00	-15.28	42.06	12.57	38.07	33.98	104	165	Peak	VERTICAL
2	15812.50	45.74	54.00	-8.26	29.08	12.57	38.07	33.98	104	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10609.62	43.98	54.00	-10.02	28.49	10.19	38.92	33.62	46	165	Average	HORIZONTAL
2	10618.40	57.02	74.00	-16.98	41.53	10.19	38.92	33.62	46	165	Peak	HORIZONTAL
3	15920.51	46.36	54.00	-7.64	29.98	12.56	37.90	34.08	86	165	Average	HORIZONTAL
4	15937.82	59.26	74.00	-14.74	42.93	12.56	37.87	34.10	86	165	Peak	HORIZONTAL

Vertical

	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	10610.64	44.24	54.00	-9.76	28.75	10.19	38.92	33.62	86	165	Average	VERTICAL
2	10629.94	56.93	74.00	-17.07	41.40	10.21	38.92	33.60	86	165	Peak	VERTICAL
3	15924.94	46.19	54.00	-7.81	29.81	12.56	37.90	34.08	108	165	Average	VERTICAL
4	15929.17	58.84	74.00	-15.16	42.46	12.56	37.90	34.08	108	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11015.83	44.52	54.00	-9.48	28.33	10.56	39.01	33.38	61	165	Average	HORIZONTAL
2	11035.51	57.48	74.00	-16.52	41.26	10.57	39.03	33.38	61	165	Peak	HORIZONTAL

Vertical

	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	11019.94	44.68	54.00	-9.32	28.49	10.56	39.01	33.38	26	165	Average	VERTICAL
2	11031.09	57.37	74.00	-16.63	41.16	10.56	39.03	33.38	26	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11085.06	44.40	54.00	-9.60	28.13	10.58	39.07	33.38	76	165	Average	HORIZONTAL
2	11098.65	56.92	74.00	-17.08	40.64	10.58	39.08	33.38	76	165	Peak	HORIZONTAL

Vertical

	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	11103.01	57.60	74.00	-16.40	41.32	10.58	39.08	33.38	39	165	Peak	VERTICAL
2	11110.51	44.62	54.00	-9.38	28.33	10.58	39.09	33.38	39	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11330.71	58.11	74.00	-15.89	41.55	10.66	39.27	33.37	76	165	Peak	HORIZONTAL
2	11352.18	45.04	54.00	-8.96	28.46	10.67	39.28	33.37	76	165	Average	HORIZONTAL

Vertical

	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	11323.27	45.08	54.00	-8.92	28.54	10.66	39.25	33.37	40	165	Average	VERTICAL
2	11352.95	57.76	74.00	-16.24	41.18	10.67	39.28	33.37	40	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11404.17	58.65	74.00	-15.35	42.01	10.69	39.32	33.37	62	165	Peak	HORIZONTAL
2	11412.50	45.34	54.00	-8.66	28.70	10.69	39.32	33.37	62	165	Average	HORIZONTAL

Vertical

	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	11411.09	58.88	74.00	-15.12	42.24	10.69	39.32	33.37	27	165	Peak	VERTICAL
2	11440.00	45.45	54.00	-8.55	28.78	10.69	39.35	33.37	27	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	15880.38	59.04	74.00	-14.96	42.55	12.57	37.97	34.05	72	165	Peak	HORIZONTAL
2	15883.03	45.80	54.00	-8.20	29.31	12.57	37.97	34.05	72	165	Average	HORIZONTAL

Vertical

	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	15866.59	45.98	54.00	-8.02	29.47	12.57	37.97	34.03	45	165	Average	VERTICAL
2	15876.63	59.36	74.00	-14.64	42.85	12.57	37.97	34.03	45	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11047.98	44.23	54.00	-9.77	28.00	10.57	39.04	33.38	19	165	Average	HORIZONTAL
2	11049.95	57.62	74.00	-16.38	41.39	10.57	39.04	33.38	19	165	Peak	HORIZONTAL

Vertical

	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	11045.67	44.21	54.00	-9.79	27.98	10.57	39.04	33.38	46	165	Average	VERTICAL
2	11055.10	57.35	74.00	-16.65	41.12	10.57	39.04	33.38	46	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11213.85	57.44	74.00	-16.56	41.02	10.63	39.17	33.38	60	165	Peak	HORIZONTAL
2	11216.92	43.98	54.00	-10.02	27.56	10.63	39.17	33.38	60	165	Average	HORIZONTAL

Vertical

	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	11205.63	57.02	74.00	-16.98	40.62	10.62	39.16	33.38	77	165	Peak	VERTICAL
2	11215.96	43.90	54.00	-10.10	27.48	10.63	39.17	33.38	77	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11381.83	57.93	74.00	-16.07	41.31	10.68	39.31	33.37	270	165	Peak	HORIZONTAL
2	11392.55	44.75	54.00	-9.25	28.12	10.69	39.31	33.37	270	165	Average	HORIZONTAL

Vertical

	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	11388.89	57.56	74.00	-16.44	40.94	10.68	39.31	33.37	310	165	Peak	VERTICAL
2	11389.81	44.78	54.00	-9.22	28.16	10.68	39.31	33.37	310	165	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.

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	15775.83	45.56	54.00	-8.44	28.81	12.57	38.11	33.93	285	165	Average	HORIZONTAL
2	15783.11	58.60	74.00	-15.40	41.89	12.57	38.09	33.95	285	165	Peak	HORIZONTAL

Vertical

	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	15778.43	45.84	54.00	-8.16	29.11	12.57	38.11	33.95	322	165	Average	VERTICAL
2	15781.63	59.12	74.00	-14.88	42.41	12.57	38.09	33.95	322	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10593.91	43.84	54.00	-10.16	28.39	10.16	38.92	33.63	308	165	Average	HORIZONTAL
2	10599.84	56.86	74.00	-17.14	41.41	10.16	38.92	33.63	308	165	Peak	HORIZONTAL
3	15902.34	59.82	74.00	-14.18	43.38	12.57	37.92	34.05	339	165	Peak	HORIZONTAL
4	15904.49	45.84	54.00	-8.16	29.40	12.57	37.92	34.05	339	165	Average	HORIZONTAL

Vertical

	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	10591.22	43.94	54.00	-10.06	28.49	10.16	38.92	33.63	274	165	Average	VERTICAL
2	10598.04	56.65	74.00	-17.35	41.20	10.16	38.92	33.63	274	165	Peak	VERTICAL
3	15902.24	59.06	74.00	-14.94	42.62	12.57	37.92	34.05	320	165	Peak	VERTICAL
4	15908.46	45.90	54.00	-8.10	29.50	12.56	37.92	34.08	320	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10647.92	57.56	74.00	-16.44	42.02	10.21	38.93	33.60	24	165	Peak	HORIZONTAL
2	10648.11	43.80	54.00	-10.20	28.26	10.21	38.93	33.60	24	165	Average	HORIZONTAL
3	15953.01	45.72	54.00	-8.28	29.41	12.56	37.85	34.10	49	165	Average	HORIZONTAL
4	15957.28	58.62	74.00	-15.38	42.34	12.56	37.85	34.13	49	165	Peak	HORIZONTAL

Vertical

	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	10631.03	56.61	74.00	-17.39	41.07	10.21	38.93	33.60	82	165	Peak	VERTICAL
2	10639.71	43.92	54.00	-10.08	28.38	10.21	38.93	33.60	82	165	Average	VERTICAL
3	15951.28	45.69	54.00	-8.31	29.36	12.56	37.87	34.10	56	165	Average	VERTICAL
4	15969.20	58.77	74.00	-15.23	42.52	12.56	37.82	34.13	56	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10998.11	57.78	74.00	-16.22	41.61	10.55	39.00	33.38	54	165	Peak	HORIZONTAL
2	11000.90	44.36	54.00	-9.64	28.19	10.55	39.00	33.38	54	165	Average	HORIZONTAL

Vertical

	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	11006.09	44.24	54.00	-9.76	28.06	10.55	39.01	33.38	13	165	Average	VERTICAL
2	11008.17	57.05	74.00	-16.95	40.87	10.55	39.01	33.38	13	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11075.22	57.58	74.00	-16.42	41.31	10.58	39.07	33.38	74	165	Peak	HORIZONTAL
2	11080.58	44.06	54.00	-9.94	27.79	10.58	39.07	33.38	74	165	Average	HORIZONTAL

Vertical

	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	11077.79	44.08	54.00	-9.92	27.81	10.58	39.07	33.38	18	165	Average	VERTICAL
2	11087.02	57.94	74.00	-16.06	41.67	10.58	39.07	33.38	18	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11543.04	58.41	74.00	-15.59	41.64	10.73	39.42	33.38	93	165	Peak	HORIZONTAL
2	11545.90	45.02	54.00	-8.98	28.23	10.75	39.42	33.38	93	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11536.83	58.10	74.00	-15.90	41.33	10.73	39.42	33.38	56	165	Peak	VERTICAL
2	11538.08	45.13	54.00	-8.87	28.36	10.73	39.42	33.38	56	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11438.33	45.33	54.00	-8.67	28.66	10.69	39.35	33.37	71	165	Average	HORIZONTAL
2	11446.28	58.37	74.00	-15.63	41.69	10.70	39.35	33.37	71	165	Peak	HORIZONTAL

Vertical

	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	11433.17	45.35	54.00	-8.65	28.68	10.69	39.35	33.37	37	165	Average	VERTICAL
2	11444.49	58.66	74.00	-15.34	41.98	10.70	39.35	33.37	37	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	15800.74	58.60	74.00	-15.40	41.91	12.57	38.07	33.95	60	165	Peak	HORIZONTAL
2	15819.42	45.65	54.00	-8.35	29.02	12.57	38.04	33.98	60	165	Average	HORIZONTAL

Vertical

	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	15801.70	45.81	54.00	-8.19	29.12	12.57	38.07	33.95	26	165	Average	VERTICAL
2	15802.85	58.84	74.00	-15.16	42.18	12.57	38.07	33.98	26	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10623.53	43.92	54.00	-10.08	28.43	10.19	38.92	33.62	106	165	Average	HORIZONTAL
2	10629.90	56.99	74.00	-17.01	41.46	10.21	38.92	33.60	106	165	Peak	HORIZONTAL
3	15932.08	59.62	74.00	-14.38	43.26	12.56	37.90	34.10	81	165	Peak	HORIZONTAL
4	15936.76	45.96	54.00	-8.04	29.63	12.56	37.87	34.10	81	165	Average	HORIZONTAL

Vertical

	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	10611.67	56.92	74.00	-17.08	41.43	10.19	38.92	33.62	18	165	Peak	VERTICAL
2	10622.50	43.94	54.00	-10.06	28.45	10.19	38.92	33.62	18	165	Average	VERTICAL
3	15932.40	45.99	54.00	-8.01	29.63	12.56	37.90	34.10	54	165	Average	VERTICAL
4	15937.66	58.72	74.00	-15.28	42.39	12.56	37.87	34.10	54	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11013.30	44.42	54.00	-9.58	28.23	10.56	39.01	33.38	156	165	Average	HORIZONTAL
2	11018.78	57.09	74.00	-16.91	40.90	10.56	39.01	33.38	156	165	Peak	HORIZONTAL

Vertical

	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	11023.53	57.04	74.00	-16.96	40.83	10.56	39.03	33.38	113	165	Peak	VERTICAL
2	11026.63	44.48	54.00	-9.52	28.27	10.56	39.03	33.38	113	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11096.99	44.25	54.00	-9.75	27.97	10.58	39.08	33.38	201	165	Average	HORIZONTAL
2	11100.38	57.02	74.00	-16.98	40.74	10.58	39.08	33.38	201	165	Peak	HORIZONTAL

Vertical

	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	11101.12	44.29	54.00	-9.71	28.01	10.58	39.08	33.38	173	165	Average	VERTICAL
2	11101.76	57.21	74.00	-16.79	40.93	10.58	39.08	33.38	173	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11333.30	57.93	74.00	-16.07	41.37	10.66	39.27	33.37	50	165	Peak	HORIZONTAL
2	11341.83	44.78	54.00	-9.22	28.21	10.67	39.27	33.37	50	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11347.34	58.48	74.00	-15.52	41.90	10.67	39.28	33.37	74	165	Peak	VERTICAL
2	11347.95	45.06	54.00	-8.94	28.48	10.67	39.28	33.37	74	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11412.18	45.16	54.00	-8.84	28.52	10.69	39.32	33.37	69	165	Average	HORIZONTAL
2	11420.03	59.02	74.00	-14.98	42.37	10.69	39.33	33.37	69	165	Peak	HORIZONTAL

Vertical

	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	11415.35	57.98	74.00	-16.02	41.33	10.69	39.33	33.37	99	165	Peak	VERTICAL
2	11429.84	45.26	54.00	-8.74	28.59	10.69	39.35	33.37	99	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	15866.89	58.56	74.00	-15.44	42.05	12.57	37.97	34.03	65	165	Peak	HORIZONTAL
2	15875.03	45.63	54.00	-8.37	29.12	12.57	37.97	34.03	65	165	Average	HORIZONTAL

Vertical

	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	15873.14	45.64	54.00	-8.36	29.13	12.57	37.97	34.03	87	165	Average	VERTICAL
2	15879.58	58.58	74.00	-15.42	42.09	12.57	37.97	34.05	87	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11053.14	44.25	54.00	-9.75	28.02	10.57	39.04	33.38	104	165	Average	HORIZONTAL
2	11055.29	57.19	74.00	-16.81	40.96	10.57	39.04	33.38	104	165	Peak	HORIZONTAL

Vertical

	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	11052.37	57.46	74.00	-16.54	41.23	10.57	39.04	33.38	64	165	Peak	VERTICAL
2	11058.24	44.35	54.00	-9.65	28.11	10.57	39.05	33.38	64	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11211.89	57.12	74.00	-16.88	40.71	10.62	39.17	33.38	60	165	Peak	HORIZONTAL
2	11216.73	44.00	54.00	-10.00	27.58	10.63	39.17	33.38	60	165	Average	HORIZONTAL

Vertical

	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	11217.53	44.17	54.00	-9.83	27.75	10.63	39.17	33.38	29	165	Average	VERTICAL
2	11217.85	57.23	74.00	-16.77	40.81	10.63	39.17	33.38	29	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11388.30	58.20	74.00	-15.80	41.58	10.68	39.31	33.37	333	165	Peak	HORIZONTAL
2	11388.94	44.80	54.00	-9.20	28.18	10.68	39.31	33.37	333	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11371.06	57.97	74.00	-16.03	41.37	10.68	39.29	33.37	303	165	Peak	VERTICAL
2	11372.12	44.90	54.00	-9.10	28.30	10.68	39.29	33.37	303	165	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.

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15770.45	45.72	54.00	-8.28	28.97	12.57	38.11	33.93	209	100	Average	HORIZONTAL
2	15780.51	59.35	74.00	-14.65	42.62	12.57	38.11	33.95	298	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15781.73	45.95	54.00	-8.05	29.24	12.57	38.09	33.95	41	100	Average	VERTICAL
2	15789.33	58.94	74.00	-15.06	42.23	12.57	38.09	33.95	41	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.00	43.75	54.00	-10.25	28.30	10.16	38.92	33.63	50	100	Average	HORIZONTAL
2	10600.00	57.77	74.00	-16.23	42.32	10.16	38.92	33.63	50	100	Peak	HORIZONTAL
3	15900.00	46.00	54.00	-8.00	29.54	12.57	37.94	34.05	38	100	Average	HORIZONTAL
4	15900.00	59.78	74.00	-14.22	43.32	12.57	37.94	34.05	38	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.00	43.87	54.00	-10.13	28.42	10.16	38.92	33.63	11	100	Average	VERTICAL
2	10600.00	56.81	74.00	-17.19	41.36	10.16	38.92	33.63	11	100	Peak	VERTICAL
3	15900.00	45.82	54.00	-8.18	29.36	12.57	37.94	34.05	74	100	Average	VERTICAL
4	15900.00	60.04	74.00	-13.96	43.58	12.57	37.94	34.05	74	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	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	10640.00	43.81	54.00	-10.19	28.27	10.21	38.93	33.60	34	100	Average	HORIZONTAL
2	10640.00	58.00	74.00	-16.00	42.46	10.21	38.93	33.60	34	100	Peak	HORIZONTAL
3	15960.00	45.56	54.00	-8.44	29.28	12.56	37.85	34.13	20	100	Average	HORIZONTAL
4	15960.00	58.94	74.00	-15.06	42.66	12.56	37.85	34.13	20	100	Peak	HORIZONTAL

Vertical

	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	10640.00	43.98	54.00	-10.02	28.44	10.21	38.93	33.60	46	100	Average	VERTICAL
2	10640.00	58.15	74.00	-15.85	42.61	10.21	38.93	33.60	46	100	Peak	VERTICAL
3	15960.00	45.65	54.00	-8.35	29.37	12.56	37.85	34.13	16	100	Average	VERTICAL
4	15960.00	58.88	74.00	-15.12	42.60	12.56	37.85	34.13	16	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10969.10	58.17	74.00	-15.83	42.05	10.53	38.99	33.40	83	100	Peak	HORIZONTAL
2	10975.26	44.75	54.00	-9.25	28.62	10.53	39.00	33.40	83	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11012.69	45.00	54.00	-9.00	28.81	10.56	39.01	33.38	48	100	Average	VERTICAL
2	11025.13	58.04	74.00	-15.96	41.83	10.56	39.03	33.38	48	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11155.77	44.58	54.00	-9.42	28.24	10.60	39.12	33.38	279	100	Average	HORIZONTAL
2	11198.33	57.76	74.00	-16.24	41.36	10.62	39.16	33.38	279	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11144.23	44.77	54.00	-9.23	28.43	10.60	39.12	33.38	305	100	Average	VERTICAL
2	11175.90	58.02	74.00	-15.98	41.64	10.61	39.15	33.38	305	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11426.54	45.33	54.00	-8.67	28.68	10.69	39.33	33.37	20	100 Average	HORIZONTAL
2	11439.87	59.08	74.00	-14.92	42.41	10.69	39.35	33.37	20	100 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11368.59	57.95	74.00	-16.05	41.35	10.68	39.29	33.37	8	100 Peak	VERTICAL
2	11428.46	45.63	54.00	-8.37	28.98	10.69	39.33	33.37	8	100 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11428.85	45.46	54.00	-8.54	28.81	10.69	39.33	33.37	309	100 Average	HORIZONTAL
2	11475.77	58.61	74.00	-15.39	41.90	10.71	39.37	33.37	309	100 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11443.46	58.11	74.00	-15.89	41.43	10.70	39.35	33.37	325	100 Peak	VERTICAL
2	11470.26	45.82	54.00	-8.18	29.11	10.71	39.37	33.37	325	100 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	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	15813.85	58.81	74.00	-15.19	42.15	12.57	38.07	33.98	13	100	Peak	HORIZONTAL
2	15825.38	46.06	54.00	-7.94	29.43	12.57	38.04	33.98	13	100	Average	HORIZONTAL

Vertical

	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	15788.21	46.23	54.00	-7.77	29.52	12.57	38.09	33.95	21	100	Average	VERTICAL
2	15819.62	59.02	74.00	-14.98	42.39	12.57	38.04	33.98	21	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10638.46	56.97	74.00	-17.03	41.43	10.21	38.93	33.60	98	100	Peak	HORIZONTAL
2	10703.21	44.12	54.00	-9.88	28.45	10.28	38.94	33.55	98	100	Average	HORIZONTAL
3	15922.44	46.33	54.00	-7.67	29.95	12.56	37.90	34.08	85	100	Average	HORIZONTAL
4	15926.41	59.51	74.00	-14.49	43.13	12.56	37.90	34.08	85	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10633.08	56.94	74.00	-17.06	41.40	10.21	38.93	33.60	106	100	Peak	VERTICAL
2	10633.59	44.31	54.00	-9.69	28.77	10.21	38.93	33.60	106	100	Average	VERTICAL
3	15927.95	46.29	54.00	-7.71	29.91	12.56	37.90	34.08	94	100	Average	VERTICAL
4	15932.44	59.82	74.00	-14.18	43.46	12.56	37.90	34.10	94	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11002.18	57.66	74.00	-16.34	41.49	10.55	39.00	33.38	84	100	Peak	HORIZONTAL
2	11055.64	44.68	54.00	-9.32	28.44	10.57	39.05	33.38	84	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10980.77	57.56	74.00	-16.44	41.43	10.53	39.00	33.40	14	100	Peak	VERTICAL
2	10993.72	44.48	54.00	-9.52	28.31	10.55	39.00	33.38	14	100	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11070.00	44.53	54.00	-9.47	28.28	10.58	39.05	33.38	100	100	Average
2	11085.26	57.31	74.00	-16.69	41.04	10.58	39.07	33.38	100	100	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11065.38	44.58	54.00	-9.42	28.33	10.58	39.05	33.38	4	100	Average	VERTICAL
2	11094.87	57.88	74.00	-16.12	41.60	10.58	39.08	33.38	4	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	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	11332.69	57.66	74.00	-16.34	41.10	10.66	39.27	33.37	11	100	Peak	HORIZONTAL
2	11360.51	44.96	54.00	-9.04	28.38	10.67	39.28	33.37	11	100	Average	HORIZONTAL

Vertical

	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	11308.08	45.03	54.00	-8.97	28.51	10.65	39.24	33.37	41	100	Average	VERTICAL
2	11361.92	58.24	74.00	-15.76	41.65	10.67	39.29	33.37	41	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11412.72	58.21	74.00	-15.79	41.56	10.69	39.33	33.37	37	100 Peak	HORIZONTAL
2	11424.81	44.97	54.00	-9.03	28.32	10.69	39.33	33.37	37	100 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11417.44	58.25	74.00	-15.75	41.60	10.69	39.33	33.37	90	100 Peak	VERTICAL
2	11427.47	45.28	54.00	-8.72	28.63	10.69	39.33	33.37	90	100 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	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	15862.02	58.81	74.00	-15.19	42.28	12.57	37.99	34.03	95	100	Peak	HORIZONTAL
2	15871.54	45.89	54.00	-8.11	29.38	12.57	37.97	34.03	95	100	Average	HORIZONTAL

Vertical

	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	15871.09	58.74	74.00	-15.26	42.23	12.57	37.97	34.03	311	100	Peak	VERTICAL
2	15877.31	45.91	54.00	-8.09	29.40	12.57	37.97	34.03	311	100	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11055.90	57.48	74.00	-16.52	41.24	10.57	39.05	33.38	4	100	Peak	HORIZONTAL
2	11056.41	44.41	54.00	-9.59	28.17	10.57	39.05	33.38	4	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11050.83	57.79	74.00	-16.21	41.56	10.57	39.04	33.38	58	100	Peak	VERTICAL
2	11065.13	44.36	54.00	-9.64	28.11	10.58	39.05	33.38	58	100	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11216.17	44.23	54.00	-9.77	27.81	10.63	39.17	33.38	356	100 Average	HORIZONTAL
2	11221.21	57.69	74.00	-16.31	41.27	10.63	39.17	33.38	356	100 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11218.27	44.32	54.00	-9.68	27.90	10.63	39.17	33.38	331	100 Average	VERTICAL
2	11223.52	57.65	74.00	-16.35	41.23	10.63	39.17	33.38	331	100 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	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	11382.93	44.84	54.00	-9.16	28.22	10.68	39.31	33.37	74	100	Average	HORIZONTAL
2	11385.27	58.56	74.00	-15.44	41.94	10.68	39.31	33.37	74	100	Peak	HORIZONTAL

Vertical

	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	11381.47	44.98	54.00	-9.02	28.36	10.68	39.31	33.37	26	100	Average	VERTICAL
2	11383.15	58.17	74.00	-15.83	41.55	10.68	39.31	33.37	26	100	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	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15774.07	45.67	54.00	-8.33	28.92	12.57	38.11	33.93	41	200	Average	HORIZONTAL
2	15776.15	59.87	74.00	-14.13	43.12	12.57	38.11	33.93	41	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15774.42	59.18	74.00	-14.82	42.43	12.57	38.11	33.93	23	200	Peak	VERTICAL
2	15779.81	46.56	54.00	-7.44	29.83	12.57	38.11	33.95	23	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10597.79	57.24	74.00	-16.76	41.79	10.16	38.92	33.63	228	200	Peak	HORIZONTAL
2	10609.01	43.93	54.00	-10.07	28.44	10.19	38.92	33.62	228	200	Average	HORIZONTAL
3	15904.33	59.05	74.00	-14.95	42.61	12.57	37.92	34.05	228	200	Peak	HORIZONTAL
4	15908.04	45.95	54.00	-8.05	29.55	12.56	37.92	34.08	228	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10591.31	43.99	54.00	-10.01	28.54	10.16	38.92	33.63	322	200	Average	VERTICAL
2	10607.24	57.80	74.00	-16.20	42.31	10.19	38.92	33.62	322	200	Peak	VERTICAL
3	15900.80	59.39	74.00	-14.61	42.95	12.57	37.92	34.05	262	200	Peak	VERTICAL
4	15904.29	45.91	54.00	-8.09	29.47	12.57	37.92	34.05	262	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10630.38	43.75	54.00	-10.25	28.22	10.21	38.92	33.60	110	200	Average	HORIZONTAL
2	10633.72	57.53	74.00	-16.47	41.99	10.21	38.93	33.60	110	200	Peak	HORIZONTAL
3	15950.03	46.05	54.00	-7.95	29.72	12.56	37.87	34.10	139	200	Average	HORIZONTAL
4	15965.87	58.66	74.00	-15.34	42.38	12.56	37.85	34.13	139	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10634.94	57.04	74.00	-16.96	41.50	10.21	38.93	33.60	327	200	Peak	VERTICAL
2	10645.61	43.97	54.00	-10.03	28.43	10.21	38.93	33.60	327	200	Average	VERTICAL
3	15951.15	45.66	54.00	-8.34	29.33	12.56	37.87	34.10	263	200	Average	VERTICAL
4	15958.69	58.96	74.00	-15.04	42.68	12.56	37.85	34.13	263	200	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10992.98	44.27	54.00	-9.73	28.10	10.55	39.00	33.38	140	200	Average	HORIZONTAL
2	11003.46	57.43	74.00	-16.57	41.26	10.55	39.00	33.38	140	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10996.73	44.57	54.00	-9.43	28.40	10.55	39.00	33.38	277	200	Average	VERTICAL
2	10997.31	58.11	74.00	-15.89	41.94	10.55	39.00	33.38	277	200	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11152.24	57.62	74.00	-16.38	41.28	10.60	39.12	33.38	85	200 Peak	HORIZONTAL
2	11166.28	44.38	54.00	-9.62	28.02	10.61	39.13	33.38	85	200 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11158.81	44.95	54.00	-9.05	28.60	10.60	39.13	33.38	51	200 Average	VERTICAL
2	11165.10	57.25	74.00	-16.75	40.89	10.61	39.13	33.38	51	200 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	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	11398.78	58.57	74.00	-15.43	41.93	10.69	39.32	33.37	286	200	Peak	HORIZONTAL
2	11401.31	45.10	54.00	-8.90	28.46	10.69	39.32	33.37	286	200	Average	HORIZONTAL

Vertical

	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	11392.05	58.39	74.00	-15.61	41.76	10.69	39.31	33.37	243	200	Peak	VERTICAL
2	11398.62	45.10	54.00	-8.90	28.46	10.69	39.32	33.37	243	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	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	11440.19	58.73	74.00	-15.27	42.06	10.69	39.35	33.37	82	200	Peak	HORIZONTAL
2	11440.64	45.34	54.00	-8.66	28.67	10.69	39.35	33.37	82	200	Average	HORIZONTAL

Vertical

	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	11444.26	45.59	54.00	-8.41	28.91	10.70	39.35	33.37	45	200	Average	VERTICAL
2	11446.96	58.61	74.00	-15.39	41.92	10.70	39.36	33.37	45	200	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15806.44	58.61	74.00	-15.39	41.95	12.57	38.07	33.98	106	200 Peak	HORIZONTAL
2	15816.22	45.71	54.00	-8.29	29.08	12.57	38.04	33.98	106	200 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15803.72	58.99	74.00	-15.01	42.33	12.57	38.07	33.98	351	200 Peak	VERTICAL
2	15808.65	45.72	54.00	-8.28	29.06	12.57	38.07	33.98	351	200 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10620.38	43.83	54.00	-10.17	28.34	10.19	38.92	33.62	279	200	Average	HORIZONTAL
2	10620.80	57.08	74.00	-16.92	41.59	10.19	38.92	33.62	279	200	Peak	HORIZONTAL
3	15925.35	45.90	54.00	-8.10	29.52	12.56	37.90	34.08	214	200	Average	HORIZONTAL
4	15928.11	59.82	74.00	-14.18	43.44	12.56	37.90	34.08	214	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10610.00	56.98	74.00	-17.02	41.49	10.19	38.92	33.62	46	200	Peak	VERTICAL
2	10612.63	43.89	54.00	-10.11	28.40	10.19	38.92	33.62	46	200	Average	VERTICAL
3	15925.13	59.32	74.00	-14.68	42.94	12.56	37.90	34.08	84	200	Peak	VERTICAL
4	15932.56	46.01	54.00	-7.99	29.65	12.56	37.90	34.10	84	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11020.74	57.57	74.00	-16.43	41.38	10.56	39.01	33.38	89	200 Peak	HORIZONTAL
2	11024.17	44.26	54.00	-9.74	28.05	10.56	39.03	33.38	89	200 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11017.60	44.37	54.00	-9.63	28.18	10.56	39.01	33.38	126	200 Average	VERTICAL
2	11026.44	58.00	74.00	-16.00	41.79	10.56	39.03	33.38	126	200 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11098.94	44.17	54.00	-9.83	27.89	10.58	39.08	33.38	257	200	Average	HORIZONTAL
2	11104.36	57.63	74.00	-16.37	41.35	10.58	39.08	33.38	257	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11095.87	44.34	54.00	-9.66	28.06	10.58	39.08	33.38	143	200	Average	VERTICAL
2	11104.84	57.66	74.00	-16.34	41.38	10.58	39.08	33.38	143	200	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	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	11344.78	58.68	74.00	-15.32	42.10	10.67	39.28	33.37	175	200	Peak	HORIZONTAL
2	11349.87	44.83	54.00	-9.17	28.25	10.67	39.28	33.37	175	200	Average	HORIZONTAL

Vertical

	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	11347.08	44.88	54.00	-9.12	28.30	10.67	39.28	33.37	247	200	Average	VERTICAL
2	11348.88	58.01	74.00	-15.99	41.43	10.67	39.28	33.37	247	200	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	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	11420.74	45.04	54.00	-8.96	28.39	10.69	39.33	33.37	81	200	Average	HORIZONTAL
2	11426.57	59.12	74.00	-14.88	42.47	10.69	39.33	33.37	81	200	Peak	HORIZONTAL

Vertical

	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	11414.55	45.10	54.00	-8.90	28.45	10.69	39.33	33.37	23	200	Average	VERTICAL
2	11422.63	58.38	74.00	-15.62	41.73	10.69	39.33	33.37	23	200	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15861.15	58.74	74.00	-15.26	42.21	12.57	37.99	34.03	277	200 Peak	HORIZONTAL
2	15877.92	45.47	54.00	-8.53	28.96	12.57	37.97	34.03	277	200 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15863.27	58.78	74.00	-15.22	42.25	12.57	37.99	34.03	326	200 Peak	VERTICAL
2	15879.74	45.66	54.00	-8.34	29.17	12.57	37.97	34.05	326	200 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11062.69	44.35	54.00	-9.65	28.10	10.58	39.05	33.38	69	200	Average	HORIZONTAL
2	11069.55	58.00	74.00	-16.00	41.75	10.58	39.05	33.38	69	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11052.53	57.14	74.00	-16.86	40.91	10.57	39.04	33.38	131	200	Peak	VERTICAL
2	11062.47	44.32	54.00	-9.68	28.07	10.58	39.05	33.38	131	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11214.29	57.62	74.00	-16.38	41.20	10.63	39.17	33.38	343	200 Peak	HORIZONTAL
2	11215.38	44.08	54.00	-9.92	27.66	10.63	39.17	33.38	343	200 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11216.35	57.46	74.00	-16.54	41.04	10.63	39.17	33.38	291	200 Peak	VERTICAL
2	11221.83	44.22	54.00	-9.78	27.80	10.63	39.17	33.38	291	200 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	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	11378.37	58.55	74.00	-15.45	41.95	10.68	39.29	33.37	73	200	Peak	HORIZONTAL
2	11380.13	44.75	54.00	-9.25	28.13	10.68	39.31	33.37	73	200	Average	HORIZONTAL

Vertical

	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	11383.04	44.87	54.00	-9.13	28.25	10.68	39.31	33.37	104	200	Average	VERTICAL
2	11385.51	57.72	74.00	-16.28	41.10	10.68	39.31	33.37	104	200	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	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15781.55	46.13	54.00	-7.87	29.42	12.57	38.09	33.95	29	165	Average	HORIZONTAL
2	15782.09	59.32	74.00	-14.68	42.61	12.57	38.09	33.95	29	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15777.99	58.72	74.00	-15.28	41.99	12.57	38.11	33.95	360	165	Peak	VERTICAL
2	15779.82	45.94	54.00	-8.06	29.21	12.57	38.11	33.95	360	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.79	57.40	74.00	-16.60	41.91	10.19	38.92	33.62	42	165	Peak	HORIZONTAL
2	10603.90	43.85	54.00	-10.15	28.36	10.19	38.92	33.62	42	165	Average	HORIZONTAL
3	15899.35	59.22	74.00	-14.78	42.76	12.57	37.94	34.05	90	165	Peak	HORIZONTAL
4	15905.30	46.00	54.00	-8.00	29.60	12.56	37.92	34.08	90	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10598.51	56.77	74.00	-17.23	41.32	10.16	38.92	33.63	64	165	Peak	VERTICAL
2	10598.96	44.09	54.00	-9.91	28.64	10.16	38.92	33.63	64	165	Average	VERTICAL
3	15902.07	59.06	74.00	-14.94	42.62	12.57	37.92	34.05	51	165	Peak	VERTICAL
4	15904.32	46.05	54.00	-7.95	29.61	12.57	37.92	34.05	51	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10636.75	57.47	74.00	-16.53	41.93	10.21	38.93	33.60	74	165	Peak	HORIZONTAL
2	10639.23	43.93	54.00	-10.07	28.39	10.21	38.93	33.60	74	165	Average	HORIZONTAL
3	15958.87	59.40	74.00	-14.60	43.12	12.56	37.85	34.13	3	165	Peak	HORIZONTAL
4	15960.16	45.84	54.00	-8.16	29.56	12.56	37.85	34.13	3	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10644.05	43.86	54.00	-10.14	28.32	10.21	38.93	33.60	114	165	Average	VERTICAL
2	10644.41	57.18	74.00	-16.82	41.64	10.21	38.93	33.60	114	165	Peak	VERTICAL
3	15956.71	45.79	54.00	-8.21	29.51	12.56	37.85	34.13	40	165	Average	VERTICAL
4	15961.55	59.52	74.00	-14.48	43.24	12.56	37.85	34.13	40	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10998.72	44.56	54.00	-9.44	28.39	10.55	39.00	33.38	80	165	Average	HORIZONTAL
2	11003.08	58.06	74.00	-15.94	41.89	10.55	39.00	33.38	80	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10994.52	44.63	54.00	-9.37	28.46	10.55	39.00	33.38	115	165	Average	VERTICAL
2	10995.65	57.66	74.00	-16.34	41.49	10.55	39.00	33.38	115	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11157.38	57.51	74.00	-16.49	41.17	10.60	39.12	33.38	74	165	Peak	HORIZONTAL
2	11157.48	44.32	54.00	-9.68	27.98	10.60	39.12	33.38	74	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11156.89	57.26	74.00	-16.74	40.92	10.60	39.12	33.38	38	165	Peak	VERTICAL
2	11159.07	44.34	54.00	-9.66	27.99	10.60	39.13	33.38	38	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	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	11396.51	58.67	74.00	-15.33	42.03	10.69	39.32	33.37	65	165	Peak	HORIZONTAL
2	11404.10	45.07	54.00	-8.93	28.43	10.69	39.32	33.37	65	165	Average	HORIZONTAL

Vertical

	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	11398.45	44.98	54.00	-9.02	28.34	10.69	39.32	33.37	13	165	Average	VERTICAL
2	11402.79	58.90	74.00	-15.10	42.26	10.69	39.32	33.37	13	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11435.67	58.94	74.00	-15.06	42.27	10.69	39.35	33.37	101	165 Peak	HORIZONTAL
2	11439.86	45.34	54.00	-8.66	28.67	10.69	39.35	33.37	101	165 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11434.84	58.54	74.00	-15.46	41.87	10.69	39.35	33.37	38	165 Peak	VERTICAL
2	11437.72	45.66	54.00	-8.34	28.99	10.69	39.35	33.37	38	165 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	15815.03	59.06	74.00	-14.94	42.40	12.57	38.07	33.98	44	165 Peak	HORIZONTAL
2	15815.29	45.83	54.00	-8.17	29.17	12.57	38.07	33.98	44	165 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	15813.42	59.58	74.00	-14.42	42.92	12.57	38.07	33.98	92	165 Peak	VERTICAL
2	15814.50	46.05	54.00	-7.95	29.39	12.57	38.07	33.98	92	165 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10618.99	56.92	74.00	-17.08	41.43	10.19	38.92	33.62	104	165	Peak	HORIZONTAL
2	10624.39	44.00	54.00	-10.00	28.51	10.19	38.92	33.62	104	165	Average	HORIZONTAL
3	15926.48	59.87	74.00	-14.13	43.49	12.56	37.90	34.08	20	165	Peak	HORIZONTAL
4	15928.90	46.26	54.00	-7.74	29.88	12.56	37.90	34.08	20	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10623.85	44.02	54.00	-9.98	28.53	10.19	38.92	33.62	4	165	Average	VERTICAL
2	10624.39	57.88	74.00	-16.12	42.39	10.19	38.92	33.62	4	165	Peak	VERTICAL
3	15932.66	59.91	74.00	-14.09	43.55	12.56	37.90	34.10	55	165	Peak	VERTICAL
4	15934.51	46.21	54.00	-7.79	29.88	12.56	37.87	34.10	55	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11014.93	44.33	54.00	-9.67	28.14	10.56	39.01	33.38	39	165	Average	HORIZONTAL
2	11016.75	57.46	74.00	-16.54	41.27	10.56	39.01	33.38	39	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11017.32	44.55	54.00	-9.45	28.36	10.56	39.01	33.38	80	165	Average	VERTICAL
2	11021.85	58.01	74.00	-15.99	41.80	10.56	39.03	33.38	80	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	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	11095.07	45.48	54.00	-8.52	29.20	10.58	39.08	33.38	42	165	Average	HORIZONTAL
2	11104.59	58.11	74.00	-15.89	41.83	10.58	39.08	33.38	42	165	Peak	HORIZONTAL

Vertical

	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	11096.09	44.46	54.00	-9.54	28.18	10.58	39.08	33.38	102	165	Average	VERTICAL
2	11103.91	57.53	74.00	-16.47	41.25	10.58	39.08	33.38	102	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11342.26	44.79	54.00	-9.21	28.22	10.67	39.27	33.37	4	165	Average	HORIZONTAL
2	11343.02	58.07	74.00	-15.93	41.50	10.67	39.27	33.37	4	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11337.35	58.52	74.00	-15.48	41.96	10.66	39.27	33.37	55	165	Peak	VERTICAL
2	11343.52	44.89	54.00	-9.11	28.32	10.67	39.27	33.37	55	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11375.66	44.79	54.00	-9.21	28.19	10.68	39.29	33.37	44	165	Average	HORIZONTAL
2	11379.38	59.10	74.00	-14.90	42.48	10.68	39.31	33.37	44	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11376.96	44.73	54.00	-9.27	28.13	10.68	39.29	33.37	109	165	Average	VERTICAL
2	11383.98	58.49	74.00	-15.51	41.87	10.68	39.31	33.37	109	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	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	15864.58	45.60	54.00	-8.40	29.07	12.57	37.99	34.03	55	173	Average	HORIZONTAL
2	15866.25	58.60	74.00	-15.40	42.07	12.57	37.99	34.03	55	173	Peak	HORIZONTAL

Vertical

	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	15864.01	45.79	54.00	-8.21	29.26	12.57	37.99	34.03	343	173	Average	VERTICAL
2	15872.21	60.07	74.00	-13.93	43.56	12.57	37.97	34.03	343	173	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	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	11050.61	57.22	74.00	-16.78	40.99	10.57	39.04	33.38	343	205	Peak	HORIZONTAL
2	11057.63	44.09	54.00	-9.91	27.85	10.57	39.05	33.38	343	205	Average	HORIZONTAL

Vertical

	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	11054.23	44.12	54.00	-9.88	27.89	10.57	39.04	33.38	328	205	Average	VERTICAL
2	11056.70	58.21	74.00	-15.79	41.97	10.57	39.05	33.38	328	205	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11216.12	43.93	54.00	-10.07	27.51	10.63	39.17	33.38	62	205 Average	HORIZONTAL
2	11222.34	57.96	74.00	-16.04	41.54	10.63	39.17	33.38	62	205 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11221.15	44.12	54.00	-9.88	27.70	10.63	39.17	33.38	78	205 Average	VERTICAL
2	11223.14	57.09	74.00	-16.91	40.67	10.63	39.17	33.38	78	205 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	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	11382.15	57.52	74.00	-16.48	40.90	10.68	39.31	33.37	28	205	Peak	HORIZONTAL
2	11388.59	44.73	54.00	-9.27	28.11	10.68	39.31	33.37	28	205	Average	HORIZONTAL

Vertical

	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	11377.40	44.73	54.00	-9.27	28.13	10.68	39.29	33.37	40	205	Average	VERTICAL
2	11386.28	57.58	74.00	-16.42	40.96	10.68	39.31	33.37	40	205	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.

<For Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15777.86	41.71	54.00	-12.29	30.53	7.64	38.48	34.94	Average	239	150	HORIZONTAL
2	15778.21	54.99	74.00	-19.01	43.81	7.64	38.48	34.94	Peak	239	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15777.89	55.09	74.00	-18.91	43.91	7.64	38.48	34.94	Peak	112	150	VERTICAL
2	15782.01	41.82	54.00	-12.18	30.65	7.64	38.47	34.94	Average	112	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10599.54	39.34	54.00	-14.66	29.75	6.21	38.38	35.00 Average	117	151	HORIZONTAL
2	10600.23	51.96	74.00	-22.04	42.37	6.21	38.38	35.00 Peak	117	151	HORIZONTAL
3	15781.20	55.30	74.00	-18.70	44.12	7.64	38.48	34.94 Peak	204	150	HORIZONTAL
4	15782.17	41.69	54.00	-12.31	30.52	7.64	38.47	34.94 Average	204	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10600.26	39.30	54.00	-14.70	29.71	6.21	38.38	35.00 Average	196	158	VERTICAL
2	10602.50	52.85	74.00	-21.15	43.25	6.21	38.38	34.99 Peak	196	158	VERTICAL
3	15779.09	41.90	54.00	-12.10	30.72	7.64	38.48	34.94 Average	128	150	VERTICAL
4	15781.80	55.13	74.00	-18.87	43.96	7.64	38.47	34.94 Peak	128	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10637.84	39.19	54.00	-14.81	29.56	6.23	38.37	34.97 Average	106	148	HORIZONTAL
2	10638.94	52.38	74.00	-21.62	42.75	6.23	38.37	34.97 Peak	106	148	HORIZONTAL
3	15960.54	54.47	74.00	-19.53	43.54	7.70	38.33	35.10 Peak	234	153	HORIZONTAL
4	15961.12	41.40	54.00	-12.60	30.47	7.70	38.33	35.10 Average	234	153	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10637.82	52.58	74.00	-21.42	42.95	6.23	38.37	34.97 Peak	92	157	VERTICAL
2	10641.37	39.24	54.00	-14.76	29.61	6.23	38.37	34.97 Average	92	157	VERTICAL
3	15960.45	41.52	54.00	-12.48	30.59	7.70	38.33	35.10 Average	123	150	VERTICAL
4	15961.84	54.33	74.00	-19.67	43.40	7.70	38.33	35.10 Peak	123	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Feb. 09, 2015 ~ Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11000.74	52.70	74.00	-21.30	42.71	6.40	38.30	34.71	Peak	19	154	HORIZONTAL
2	11001.47	39.57	54.00	-14.43	29.58	6.40	38.30	34.71	Average	19	154	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10997.63	39.68	54.00	-14.32	29.69	6.40	38.30	34.71	Average	90	151	VERTICAL
2	11001.74	52.31	74.00	-21.69	42.32	6.40	38.30	34.71	Peak	90	151	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11157.82	53.29	74.00	-20.71	43.24	6.44	38.30	34.69 Peak	206	152	HORIZONTAL
2	11157.99	39.39	54.00	-14.61	29.34	6.44	38.30	34.69 Average	206	152	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11161.26	39.84	54.00	-14.16	29.79	6.44	38.30	34.69 Average	160	152	VERTICAL
2	11161.49	52.33	74.00	-21.67	42.28	6.44	38.30	34.69 Peak	160	152	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11397.91	52.70	74.00	-21.30	42.56	6.51	38.30	34.67	Peak	203	150	HORIZONTAL
2	11400.22	39.91	54.00	-14.09	29.77	6.51	38.30	34.67	Average	203	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11398.52	40.05	54.00	-13.95	29.91	6.51	38.30	34.67	Average	121	149	VERTICAL
2	11402.00	53.14	74.00	-20.86	43.00	6.51	38.30	34.67	Peak	121	149	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11438.61	40.57	54.00	-13.43	30.42	6.52	38.30	34.67	Average	154	150	HORIZONTAL
2	11440.71	53.56	74.00	-20.44	43.41	6.52	38.30	34.67	Peak	154	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11438.36	40.26	74.00	-33.74	30.11	6.52	38.30	34.67	Peak	167	150	VERTICAL
2	11438.36	40.86	54.00	-13.14	30.71	6.52	38.30	34.67	Average	167	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10537.96	39.24	54.00	-14.76	29.71	6.18	38.39	35.04	Average	155	151 HORIZONTAL
2	10539.39	52.58	74.00	-21.42	43.05	6.18	38.39	35.04	Peak	155	151 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15810.83	54.93	74.00	-19.07	43.80	7.65	38.45	34.97	Peak	58	151 VERTICAL
2	15811.54	41.82	54.00	-12.18	30.69	7.65	38.45	34.97	Average	58	151 VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10618.24	52.15	74.00	-21.85	42.54	6.22	38.38	34.99	Peak	220	150	HORIZONTAL
2	10619.92	39.41	54.00	-14.59	29.80	6.22	38.38	34.99	Average	220	150	HORIZONTAL
3	15930.40	41.82	54.00	-12.18	30.85	7.69	38.36	35.08	Average	166	151	HORIZONTAL
4	15930.62	55.79	74.00	-18.21	44.82	7.69	38.36	35.08	Peak	166	151	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10619.38	52.72	74.00	-21.28	43.11	6.22	38.38	34.99	Peak	43	151	VERTICAL
2	10622.24	39.36	54.00	-14.64	29.75	6.22	38.38	34.99	Average	43	151	VERTICAL
3	15929.68	55.16	74.00	-18.84	44.16	7.69	38.36	35.05	Peak	110	157	VERTICAL
4	15931.58	41.94	54.00	-12.06	30.97	7.69	38.36	35.08	Average	110	157	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11020.55	39.50	54.00	-14.50	29.51	6.40	38.30	34.71	Average	169	150	HORIZONTAL
2	11021.70	52.67	74.00	-21.33	42.67	6.41	38.30	34.71	Peak	169	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11019.29	52.65	74.00	-21.35	42.66	6.40	38.30	34.71	Peak	35	150	VERTICAL
2	11020.13	39.70	54.00	-14.30	29.71	6.40	38.30	34.71	Average	35	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11098.01	39.25	54.00	-14.75	29.22	6.43	38.30	34.70	Average	107	150 HORIZONTAL
2	11100.65	52.70	74.00	-21.30	42.67	6.43	38.30	34.70	Peak	107	150 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11100.47	39.52	54.00	-14.48	29.49	6.43	38.30	34.70	Average	56	150 VERTICAL
2	11101.76	52.26	74.00	-21.74	42.23	6.43	38.30	34.70	Peak	56	150 VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11338.59	39.65	54.00	-14.35	29.54	6.49	38.30	34.68	Average	62	150	HORIZONTAL
2	11338.73	52.45	74.00	-21.55	42.34	6.49	38.30	34.68	Peak	62	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11338.14	52.85	74.00	-21.15	42.74	6.49	38.30	34.68	Peak	136	150	VERTICAL
2	11340.38	39.91	54.00	-14.09	29.79	6.49	38.30	34.67	Average	136	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11421.35	52.93	74.00	-21.07	42.79	6.51	38.30	34.67	Peak	235	150	HORIZONTAL
2	11422.15	39.86	54.00	-14.14	29.72	6.51	38.30	34.67	Average	235	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11420.68	40.09	54.00	-13.91	29.95	6.51	38.30	34.67	Average	127	150	VERTICAL
2	11421.88	52.44	74.00	-21.56	42.30	6.51	38.30	34.67	Peak	127	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15868.45	54.52	74.00	-19.48	43.46	7.67	38.40	35.01	Peak	258	150	HORIZONTAL
2	15870.40	41.50	54.00	-12.50	30.44	7.67	38.40	35.01	Average	258	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15868.18	54.57	74.00	-19.43	43.51	7.67	38.40	35.01	Peak	134	150	VERTICAL
2	15872.00	41.55	54.00	-12.45	30.49	7.67	38.40	35.01	Average	134	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11058.71	52.93	74.00	-21.07	42.91	6.42	38.30	34.70	Peak	210	150	HORIZONTAL
2	11062.08	39.14	54.00	-14.86	29.12	6.42	38.30	34.70	Average	210	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11059.32	52.55	74.00	-21.45	42.53	6.42	38.30	34.70	Peak	168	150	VERTICAL
2	11059.77	39.35	54.00	-14.65	29.33	6.42	38.30	34.70	Average	168	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11220.95	52.23	74.00	-21.77	42.16	6.46	38.30	34.69	Peak	223	150	HORIZONTAL
2	11221.32	39.14	54.00	-14.86	29.07	6.46	38.30	34.69	Average	223	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11221.37	52.31	74.00	-21.69	42.24	6.46	38.30	34.69	Peak	134	150	VERTICAL
2	11221.41	39.34	54.00	-14.66	29.27	6.46	38.30	34.69	Average	134	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11380.06	39.21	54.00	-14.79	29.07	6.51	38.30	34.67	Average	229	159	HORIZONTAL
2	11381.93	52.34	74.00	-21.66	42.20	6.51	38.30	34.67	Peak	229	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11379.41	39.39	54.00	-14.61	29.25	6.51	38.30	34.67	Average	119	159	VERTICAL
2	11380.65	52.33	74.00	-21.67	42.19	6.51	38.30	34.67	Peak	119	159	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	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15770.58	42.27	54.00	-11.73	31.07	7.64	38.48	34.92	Average	223	100	HORIZONTAL
2	15771.06	53.06	74.00	-20.94	41.86	7.64	38.48	34.92	Peak	223	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15773.14	53.12	74.00	-20.88	41.92	7.64	38.48	34.92	Peak	360	100	VERTICAL
2	15773.94	42.39	54.00	-11.61	31.19	7.64	38.48	34.92	Average	360	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10593.35	39.59	54.00	-14.41	30.01	6.20	38.38	35.00 Average	283	100	HORIZONTAL
2	10594.33	52.46	74.00	-21.54	42.88	6.20	38.38	35.00 Peak	283	100	HORIZONTAL
3	15897.44	42.32	54.00	-11.68	31.29	7.68	38.38	35.03 Average	153	100	HORIZONTAL
4	15901.92	54.22	74.00	-19.78	43.19	7.69	38.37	35.03 Peak	153	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10592.31	39.67	54.00	-14.33	30.09	6.20	38.38	35.00 Average	87	100	VERTICAL
2	10592.53	52.05	74.00	-21.95	42.47	6.20	38.38	35.00 Peak	87	100	VERTICAL
3	15900.45	54.12	74.00	-19.88	43.09	7.68	38.38	35.03 Peak	262	100	VERTICAL
4	15900.67	42.46	54.00	-11.54	31.43	7.69	38.37	35.03 Average	262	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10637.24	52.48	74.00	-21.52	42.85	6.23	38.37	34.97	Peak	36	100	HORIZONTAL
2	10639.55	39.64	54.00	-14.36	30.01	6.23	38.37	34.97	Average	36	100	HORIZONTAL
3	15955.54	53.90	74.00	-20.10	42.95	7.70	38.33	35.08	Peak	248	100	HORIZONTAL
4	15958.81	42.21	54.00	-11.79	31.28	7.70	38.33	35.10	Average	248	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10637.28	52.24	74.00	-21.76	42.61	6.23	38.37	34.97	Peak	253	100	VERTICAL
2	10638.05	39.61	54.00	-14.39	29.98	6.23	38.37	34.97	Average	253	100	VERTICAL
3	15960.32	42.18	54.00	-11.82	31.25	7.70	38.33	35.10	Average	127	100	VERTICAL
4	15961.60	54.51	74.00	-19.49	43.58	7.70	38.33	35.10	Peak	127	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10998.72	52.43	74.00	-21.57	42.44	6.40	38.30	34.71	Peak	286	100	HORIZONTAL
2	10999.01	39.85	54.00	-14.15	29.86	6.40	38.30	34.71	Average	286	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10998.53	39.93	54.00	-14.07	29.94	6.40	38.30	34.71	Average	194	100	VERTICAL
2	10999.65	53.20	74.00	-20.80	43.21	6.40	38.30	34.71	Peak	194	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11161.86	39.45	54.00	-14.55	29.40	6.44	38.30	34.69	Average	226	100	HORIZONTAL
2	11166.89	51.39	74.00	-22.61	41.34	6.44	38.30	34.69	Peak	226	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11154.04	51.93	74.00	-22.07	41.88	6.44	38.30	34.69	Peak	140	100	VERTICAL
2	11165.61	39.45	54.00	-14.55	29.40	6.44	38.30	34.69	Average	140	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11447.44	51.85	74.00	-22.15	41.70	6.52	38.30	34.67	Peak	234	100	HORIZONTAL
2	11448.88	40.18	54.00	-13.82	30.03	6.52	38.30	34.67	Average	234	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11440.22	52.42	74.00	-21.58	42.27	6.52	38.30	34.67	Peak	161	100	VERTICAL
2	11442.63	40.45	54.00	-13.55	30.30	6.52	38.30	34.67	Average	161	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11446.09	52.54	74.00	-21.46	42.39	6.52	38.30	34.67	Peak	259	100	HORIZONTAL
2	11446.25	40.50	54.00	-13.50	30.35	6.52	38.30	34.67	Average	259	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11437.12	52.15	74.00	-21.85	42.00	6.52	38.30	34.67	Peak	58	100	VERTICAL
2	11439.84	40.92	54.00	-13.08	30.77	6.52	38.30	34.67	Average	58	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15798.30	41.90	54.00	-12.10	30.73	7.64	38.47	34.94	Average	122	100	HORIZONTAL
2	15804.39	52.28	74.00	-21.72	41.15	7.65	38.45	34.97	Peak	122	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15781.63	41.93	54.00	-12.07	30.76	7.64	38.47	34.94	Average	241	100	VERTICAL
2	15787.88	54.44	74.00	-19.56	43.27	7.64	38.47	34.94	Peak	241	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10624.01	51.73	74.00	-22.27	42.12	6.22	38.38	34.99	Peak	98	100	HORIZONTAL
2	10624.33	39.60	54.00	-14.40	29.99	6.22	38.38	34.99	Average	98	100	HORIZONTAL
3	15912.85	54.44	74.00	-19.56	43.43	7.69	38.37	35.05	Peak	218	100	HORIZONTAL
4	15914.29	42.12	54.00	-11.88	31.11	7.69	38.37	35.05	Average	218	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10581.86	39.69	54.00	-14.31	30.11	6.20	38.38	35.00	Average	248	100	VERTICAL
2	10584.26	50.24	74.00	-23.76	40.66	6.20	38.38	35.00	Peak	248	100	VERTICAL
3	15906.76	42.21	54.00	-11.79	31.20	7.69	38.37	35.05	Average	320	100	VERTICAL
4	15910.77	54.50	74.00	-19.50	43.49	7.69	38.37	35.05	Peak	320	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10977.21	39.87	54.00	-14.13	29.91	6.39	38.30	34.73	Average	110	100	HORIZONTAL
2	10979.29	51.52	74.00	-22.48	41.56	6.39	38.30	34.73	Peak	110	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10994.20	49.18	74.00	-24.82	39.19	6.40	38.30	34.71	Peak	274	100	VERTICAL
2	10994.20	39.83	54.00	-14.17	29.84	6.40	38.30	34.71	Average	274	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11137.98	50.40	74.00	-23.60	40.35	6.44	38.30	34.69	Peak	347	100	HORIZONTAL
2	11138.62	39.69	54.00	-14.31	29.64	6.44	38.30	34.69	Average	347	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11076.76	52.38	74.00	-21.62	42.36	6.42	38.30	34.70	Peak	168	100	VERTICAL
2	11077.56	39.55	54.00	-14.45	29.53	6.42	38.30	34.70	Average	168	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11370.93	40.00	54.00	-14.00	29.87	6.50	38.30	34.67	Average	103	100	HORIZONTAL
2	11373.49	51.24	74.00	-22.76	41.11	6.50	38.30	34.67	Peak	103	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11354.26	51.54	74.00	-22.46	41.41	6.50	38.30	34.67	Peak	185	100	VERTICAL
2	11362.12	40.05	54.00	-13.95	29.92	6.50	38.30	34.67	Average	185	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11424.97	52.56	74.00	-21.44	42.42	6.51	38.30	34.67	Peak	98	100	HORIZONTAL
2	11425.13	40.27	54.00	-13.73	30.13	6.51	38.30	34.67	Average	98	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11425.45	51.84	74.00	-22.16	41.70	6.51	38.30	34.67	Peak	314	100	VERTICAL
2	11432.98	40.34	54.00	-13.66	30.19	6.52	38.30	34.67	Average	314	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15871.72	55.43	74.00	-18.57	44.37	7.67	38.40	35.01	Peak	270	150	HORIZONTAL
2	15871.83	41.84	54.00	-12.16	30.78	7.67	38.40	35.01	Average	270	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15870.10	55.34	74.00	-18.66	44.28	7.67	38.40	35.01	Peak	45	150	VERTICAL
2	15871.17	41.99	54.00	-12.01	30.93	7.67	38.40	35.01	Average	45	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11060.73	39.80	54.00	-14.20	29.78	6.42	38.30	34.70	Average	158	150 HORIZONTAL
2	11060.99	52.71	74.00	-21.29	42.69	6.42	38.30	34.70	Peak	158	150 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11058.85	39.96	54.00	-14.04	29.94	6.42	38.30	34.70	Average	65	150 VERTICAL
2	11061.64	53.45	74.00	-20.55	43.43	6.42	38.30	34.70	Peak	65	150 VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11218.97	53.51	74.00	-20.49	43.44	6.46	38.30	34.69 Peak	180	150	HORIZONTAL
2	11220.06	40.38	54.00	-13.62	30.31	6.46	38.30	34.69 Average	180	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11221.63	40.64	54.00	-13.36	30.57	6.46	38.30	34.69 Average	316	150	VERTICAL
2	11221.97	53.21	74.00	-20.79	43.14	6.46	38.30	34.69 Peak	316	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11379.17	53.05	74.00	-20.95	42.91	6.51	38.30	34.67	Peak	158	156	HORIZONTAL
2	11381.81	39.87	54.00	-14.13	29.73	6.51	38.30	34.67	Average	158	156	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11378.29	52.89	74.00	-21.11	42.76	6.50	38.30	34.67	Peak	76	150	VERTICAL
2	11378.46	39.97	54.00	-14.03	29.84	6.50	38.30	34.67	Average	76	150	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	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	15779.46	45.11	54.00	-8.89	28.38	12.57	38.11	33.95	70	150	Average	HORIZONTAL
2	15779.63	58.67	74.00	-15.33	41.94	12.57	38.11	33.95	70	150	Peak	HORIZONTAL

Vertical

	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	15779.44	45.21	54.00	-8.79	28.48	12.57	38.11	33.95	41	150	Average	VERTICAL
2	15780.25	57.93	74.00	-16.07	41.20	12.57	38.11	33.95	41	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10599.91	43.44	54.00	-10.56	27.99	10.16	38.92	33.63	119	150	Average	HORIZONTAL
2	10600.24	56.53	74.00	-17.47	41.08	10.16	38.92	33.63	119	150	Peak	HORIZONTAL
3	15900.19	58.68	74.00	-15.32	42.22	12.57	37.94	34.05	145	150	Peak	HORIZONTAL
4	15900.70	45.25	54.00	-8.75	28.81	12.57	37.92	34.05	145	150	Average	HORIZONTAL

Vertical

	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	10600.25	43.49	54.00	-10.51	28.04	10.16	38.92	33.63	60	150	Average	VERTICAL
2	10600.90	56.77	74.00	-17.23	41.28	10.19	38.92	33.62	60	150	Peak	VERTICAL
3	15900.22	58.46	74.00	-15.54	42.00	12.57	37.94	34.05	101	150	Peak	VERTICAL
4	15900.64	45.29	54.00	-8.71	28.85	12.57	37.92	34.05	101	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10639.92	43.36	54.00	-10.64	27.82	10.21	38.93	33.60	173	150	Average	HORIZONTAL
2	10640.15	56.83	74.00	-17.17	41.29	10.21	38.93	33.60	173	150	Peak	HORIZONTAL
3	15959.00	44.91	54.00	-9.09	28.63	12.56	37.85	34.13	209	150	Average	HORIZONTAL
4	15959.83	58.21	74.00	-15.79	41.93	12.56	37.85	34.13	209	150	Peak	HORIZONTAL

Vertical

	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	10639.45	43.59	54.00	-10.41	28.05	10.21	38.93	33.60	143	150	Average	VERTICAL
2	10639.71	57.09	74.00	-16.91	41.55	10.21	38.93	33.60	143	150	Peak	VERTICAL
3	15959.01	44.75	54.00	-9.25	28.47	12.56	37.85	34.13	168	150	Average	VERTICAL
4	15960.08	57.95	74.00	-16.05	41.67	12.56	37.85	34.13	168	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10999.76	44.06	54.00	-9.94	27.89	10.55	39.00	33.38	110	150	Average	HORIZONTAL
2	11000.06	57.13	74.00	-16.87	40.96	10.55	39.00	33.38	110	150	Peak	HORIZONTAL

Vertical

	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	10999.93	43.87	54.00	-10.13	27.70	10.55	39.00	33.38	145	150	Average	VERTICAL
2	11000.34	56.96	74.00	-17.04	40.79	10.55	39.00	33.38	145	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11159.50	56.69	74.00	-17.31	40.34	10.60	39.13	33.38	44	150	Peak	HORIZONTAL
2	11160.06	43.96	54.00	-10.04	27.61	10.60	39.13	33.38	44	150	Average	HORIZONTAL

Vertical

	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	11159.17	44.90	54.00	-9.10	28.55	10.60	39.13	33.38	85	150	Average	VERTICAL
2	11159.57	57.65	74.00	-16.35	41.30	10.60	39.13	33.38	85	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11399.26	57.27	74.00	-16.73	40.63	10.69	39.32	33.37	160	150	Peak	HORIZONTAL
2	11399.78	44.67	54.00	-9.33	28.03	10.69	39.32	33.37	160	150	Average	HORIZONTAL

Vertical

	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	11399.72	44.60	54.00	-9.40	27.96	10.69	39.32	33.37	122	150	Average	VERTICAL
2	11400.59	58.95	74.00	-15.05	42.31	10.69	39.32	33.37	122	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11439.69	44.69	54.00	-9.31	28.02	10.69	39.35	33.37	254	150	Average	HORIZONTAL
2	11439.71	57.17	74.00	-16.83	40.50	10.69	39.35	33.37	254	150	Peak	HORIZONTAL

Vertical

	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	11440.21	44.73	54.00	-9.27	28.06	10.69	39.35	33.37	198	150	Average	VERTICAL
2	11440.27	58.45	74.00	-15.55	41.78	10.69	39.35	33.37	198	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	15810.15	58.80	74.00	-15.20	42.14	12.57	38.07	33.98	323	150	Peak	HORIZONTAL
2	15810.59	45.27	54.00	-8.73	28.61	12.57	38.07	33.98	323	150	Average	HORIZONTAL

Vertical

	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	15809.60	58.25	74.00	-15.75	41.59	12.57	38.07	33.98	279	150	Peak	VERTICAL
2	15810.69	45.06	54.00	-8.94	28.40	12.57	38.07	33.98	279	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10619.40	43.47	54.00	-10.53	27.98	10.19	38.92	33.62	258	150	Average	HORIZONTAL
2	10620.80	56.32	74.00	-17.68	40.83	10.19	38.92	33.62	258	150	Peak	HORIZONTAL
3	15929.07	45.40	54.00	-8.60	29.02	12.56	37.90	34.08	217	150	Average	HORIZONTAL
4	15930.83	58.29	74.00	-15.71	41.93	12.56	37.90	34.10	217	150	Peak	HORIZONTAL

Vertical

	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	10619.69	56.93	74.00	-17.07	41.44	10.19	38.92	33.62	352	150	Peak	VERTICAL
2	10620.81	43.65	54.00	-10.35	28.16	10.19	38.92	33.62	352	150	Average	VERTICAL
3	15929.12	46.02	54.00	-7.98	29.64	12.56	37.90	34.08	291	150	Average	VERTICAL
4	15930.35	58.43	74.00	-15.57	42.07	12.56	37.90	34.10	291	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11019.08	57.26	74.00	-16.74	41.07	10.56	39.01	33.38	154	150	Peak	HORIZONTAL
2	11020.98	43.89	54.00	-10.11	27.70	10.56	39.01	33.38	154	150	Average	HORIZONTAL

Vertical

	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	11020.69	43.91	54.00	-10.09	27.72	10.56	39.01	33.38	199	150	Average	VERTICAL
2	11020.75	57.38	74.00	-16.62	41.19	10.56	39.01	33.38	199	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11100.10	43.93	54.00	-10.07	27.65	10.58	39.08	33.38	63	150	Average	HORIZONTAL
2	11100.79	56.54	74.00	-17.46	40.26	10.58	39.08	33.38	63	150	Peak	HORIZONTAL

Vertical

	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	11100.75	56.79	74.00	-17.21	40.51	10.58	39.08	33.38	123	150	Peak	VERTICAL
2	11100.85	44.00	54.00	-10.00	27.72	10.58	39.08	33.38	123	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11339.51	44.63	54.00	-9.37	28.07	10.66	39.27	33.37	164	150	Average	HORIZONTAL
2	11340.84	57.44	74.00	-16.56	40.87	10.67	39.27	33.37	164	150	Peak	HORIZONTAL

Vertical

	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	11339.12	44.53	54.00	-9.47	27.97	10.66	39.27	33.37	95	150	Average	VERTICAL
2	11339.64	57.58	74.00	-16.42	41.02	10.66	39.27	33.37	95	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11420.49	57.77	74.00	-16.23	41.12	10.69	39.33	33.37	303	150	Peak	HORIZONTAL
2	11420.81	44.71	54.00	-9.29	28.06	10.69	39.33	33.37	303	150	Average	HORIZONTAL

Vertical

	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	11420.41	58.82	74.00	-15.18	42.17	10.69	39.33	33.37	197	150	Peak	VERTICAL
2	11420.52	45.73	54.00	-8.27	29.08	10.69	39.33	33.37	197	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	15869.08	45.13	54.00	-8.87	28.62	12.57	37.97	34.03	310	150	Average	HORIZONTAL
2	15869.75	58.47	74.00	-15.53	41.96	12.57	37.97	34.03	310	150	Peak	HORIZONTAL

Vertical

	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	15869.14	45.22	54.00	-8.78	28.71	12.57	37.97	34.03	262	150	Average	VERTICAL
2	15870.71	59.09	74.00	-14.91	42.58	12.57	37.97	34.03	262	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11059.63	43.75	54.00	-10.25	27.51	10.57	39.05	33.38	187	150	Average	HORIZONTAL
2	11059.72	57.12	74.00	-16.88	40.88	10.57	39.05	33.38	187	150	Peak	HORIZONTAL

Vertical

	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	11059.13	43.85	54.00	-10.15	27.61	10.57	39.05	33.38	251	150	Average	VERTICAL
2	11059.52	57.20	74.00	-16.80	40.96	10.57	39.05	33.38	251	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11219.36	57.37	74.00	-16.63	40.95	10.63	39.17	33.38	48	150	Peak	HORIZONTAL
2	11219.90	43.86	54.00	-10.14	27.44	10.63	39.17	33.38	48	150	Average	HORIZONTAL

Vertical

	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	11219.11	57.03	74.00	-16.97	40.61	10.63	39.17	33.38	135	150	Peak	VERTICAL
2	11220.90	43.78	54.00	-10.22	27.36	10.63	39.17	33.38	135	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.14	57.37	74.00	-16.63	40.75	10.68	39.31	33.37	164	150	Peak	HORIZONTAL
2	11379.44	44.42	54.00	-9.58	27.80	10.68	39.31	33.37	164	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.33	45.44	54.00	-8.56	28.82	10.68	39.31	33.37	67	150	Average	VERTICAL
2	11379.55	58.61	74.00	-15.39	41.99	10.68	39.31	33.37	67	150	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	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	15778.46	44.11	54.00	-9.89	27.38	12.57	38.11	33.95	170	150	Average	HORIZONTAL
2	15780.63	57.67	74.00	-16.33	40.94	12.57	38.11	33.95	170	150	Peak	HORIZONTAL

Vertical

	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	15780.44	44.21	54.00	-9.79	27.48	12.57	38.11	33.95	141	150	Average	VERTICAL
2	15781.25	56.93	74.00	-17.07	40.20	12.57	38.11	33.95	141	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10600.14	56.81	74.00	-17.19	41.36	10.16	38.92	33.63	104	150	Peak	HORIZONTAL
2	10600.44	43.13	54.00	-10.87	27.68	10.16	38.92	33.63	104	150	Average	HORIZONTAL
3	15900.37	58.55	74.00	-15.45	42.09	12.57	37.94	34.05	220	150	Peak	HORIZONTAL
4	15900.49	45.34	54.00	-8.66	28.88	12.57	37.94	34.05	220	150	Average	HORIZONTAL

Vertical

	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	10600.10	43.42	54.00	-10.58	27.97	10.16	38.92	33.63	204	150	Average	VERTICAL
2	10600.49	57.51	74.00	-16.49	42.06	10.16	38.92	33.63	204	150	Peak	VERTICAL
3	15899.99	58.56	74.00	-15.44	42.10	12.57	37.94	34.05	285	150	Peak	VERTICAL
4	15900.67	45.25	54.00	-8.75	28.81	12.57	37.92	34.05	285	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10639.21	43.44	54.00	-10.56	27.90	10.21	38.93	33.60	165	150	Average	HORIZONTAL
2	10640.81	56.32	74.00	-17.68	40.78	10.21	38.93	33.60	165	150	Peak	HORIZONTAL
3	15959.05	44.95	54.00	-9.05	28.67	12.56	37.85	34.13	188	150	Average	HORIZONTAL
4	15960.02	58.14	74.00	-15.86	41.86	12.56	37.85	34.13	188	150	Peak	HORIZONTAL

Vertical

	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	10639.67	56.33	74.00	-17.67	40.79	10.21	38.93	33.60	247	150	Peak	VERTICAL
2	10640.96	43.49	54.00	-10.51	27.95	10.21	38.93	33.60	247	150	Average	VERTICAL
3	15960.46	58.05	74.00	-15.95	41.77	12.56	37.85	34.13	111	150	Peak	VERTICAL
4	15960.79	44.84	54.00	-9.16	28.56	12.56	37.85	34.13	111	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10999.98	56.55	74.00	-17.45	40.38	10.55	39.00	33.38	67	150	Peak	HORIZONTAL
2	11000.18	43.83	54.00	-10.17	27.66	10.55	39.00	33.38	67	150	Average	HORIZONTAL

Vertical

	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	10999.91	43.93	54.00	-10.07	27.76	10.55	39.00	33.38	139	150	Average	VERTICAL
2	11000.08	57.65	74.00	-16.35	41.48	10.55	39.00	33.38	139	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11159.17	44.16	54.00	-9.84	27.81	10.60	39.13	33.38	155	150	Average	HORIZONTAL
2	11160.31	57.93	74.00	-16.07	41.58	10.60	39.13	33.38	155	150	Peak	HORIZONTAL

Vertical

	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	11159.07	43.93	54.00	-10.07	27.58	10.60	39.13	33.38	26	150	Average	VERTICAL
2	11159.78	56.49	74.00	-17.51	40.14	10.60	39.13	33.38	26	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11399.31	44.62	54.00	-9.38	27.98	10.69	39.32	33.37	185	150	Average	HORIZONTAL
2	11400.44	58.26	74.00	-15.74	41.62	10.69	39.32	33.37	185	150	Peak	HORIZONTAL

Vertical

	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	11400.32	44.64	54.00	-9.36	28.00	10.69	39.32	33.37	321	150	Average	VERTICAL
2	11400.67	57.47	74.00	-16.53	40.83	10.69	39.32	33.37	321	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11439.39	44.81	54.00	-9.19	28.14	10.69	39.35	33.37	21	150	Average	HORIZONTAL
2	11439.92	57.91	74.00	-16.09	41.24	10.69	39.35	33.37	21	150	Peak	HORIZONTAL

Vertical

	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	11440.35	57.95	74.00	-16.05	41.28	10.69	39.35	33.37	134	150	Peak	VERTICAL
2	11440.39	44.76	54.00	-9.24	28.09	10.69	39.35	33.37	134	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	15809.13	45.16	54.00	-8.84	28.50	12.57	38.07	33.98	78	150	Average	HORIZONTAL
2	15810.98	58.43	74.00	-15.57	41.77	12.57	38.07	33.98	78	150	Peak	HORIZONTAL

Vertical

	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	15809.04	58.64	74.00	-15.36	41.98	12.57	38.07	33.98	38	150	Peak	VERTICAL
2	15810.85	45.36	54.00	-8.64	28.70	12.57	38.07	33.98	38	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10619.17	43.39	54.00	-10.61	27.90	10.19	38.92	33.62	148	150	Average	HORIZONTAL
2	10620.16	57.06	74.00	-16.94	41.57	10.19	38.92	33.62	148	150	Peak	HORIZONTAL
3	15930.54	45.11	54.00	-8.89	28.75	12.56	37.90	34.10	114	150	Average	HORIZONTAL
4	15930.78	58.59	74.00	-15.41	42.23	12.56	37.90	34.10	114	150	Peak	HORIZONTAL

Vertical

	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	10619.34	56.53	74.00	-17.47	41.04	10.19	38.92	33.62	108	150	Peak	VERTICAL
2	10620.26	43.58	54.00	-10.42	28.09	10.19	38.92	33.62	108	150	Average	VERTICAL
3	15929.23	45.40	54.00	-8.60	29.02	12.56	37.90	34.08	147	150	Average	VERTICAL
4	15929.43	59.10	74.00	-14.90	42.72	12.56	37.90	34.08	147	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11019.71	56.65	74.00	-17.35	40.46	10.56	39.01	33.38	303	150	Peak	HORIZONTAL
2	11020.97	44.00	54.00	-10.00	27.81	10.56	39.01	33.38	303	150	Average	HORIZONTAL

Vertical

	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	11019.02	58.11	74.00	-15.89	41.92	10.56	39.01	33.38	181	150	Peak	VERTICAL
2	11020.53	44.77	54.00	-9.23	28.58	10.56	39.01	33.38	181	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11099.11	43.95	54.00	-10.05	27.67	10.58	39.08	33.38	222	150	Average	HORIZONTAL
2	11100.50	57.18	74.00	-16.82	40.90	10.58	39.08	33.38	222	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11099.19	56.72	74.00	-17.28	40.44	10.58	39.08	33.38	331	150	Peak	VERTICAL
2	11099.27	44.20	54.00	-9.80	27.92	10.58	39.08	33.38	331	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11340.40	58.19	74.00	-15.81	41.62	10.67	39.27	33.37	117	150	Peak	HORIZONTAL
2	11340.47	44.41	54.00	-9.59	27.84	10.67	39.27	33.37	117	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11339.77	57.90	74.00	-16.10	41.34	10.66	39.27	33.37	181	150	Peak	VERTICAL
2	11340.10	44.64	54.00	-9.36	28.08	10.66	39.27	33.37	181	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11419.66	57.94	74.00	-16.06	41.29	10.69	39.33	33.37	196	150	Peak	HORIZONTAL
2	11420.37	44.60	54.00	-9.40	27.95	10.69	39.33	33.37	196	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11419.75	59.86	74.00	-14.14	43.21	10.69	39.33	33.37	75	150	Peak	VERTICAL
2	11420.77	45.85	54.00	-8.15	29.20	10.69	39.33	33.37	75	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	15869.00	45.14	54.00	-8.86	28.63	12.57	37.97	34.03	284	150	Average	HORIZONTAL
2	15870.76	58.53	74.00	-15.47	42.02	12.57	37.97	34.03	284	150	Peak	HORIZONTAL

Vertical

	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	15869.77	57.71	74.00	-16.29	41.20	12.57	37.97	34.03	231	150	Peak	VERTICAL
2	15870.45	45.25	54.00	-8.75	28.74	12.57	37.97	34.03	231	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11060.82	43.98	54.00	-10.02	27.73	10.58	39.05	33.38	289	150	Average	HORIZONTAL
2	11060.94	56.32	74.00	-17.68	40.07	10.58	39.05	33.38	289	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11059.10	57.54	74.00	-16.46	41.30	10.57	39.05	33.38	259	150	Peak	VERTICAL
2	11060.43	43.90	54.00	-10.10	27.65	10.58	39.05	33.38	259	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11219.58	43.84	54.00	-10.16	27.42	10.63	39.17	33.38	251	150	Average	HORIZONTAL
2	11220.98	56.32	74.00	-17.68	39.90	10.63	39.17	33.38	251	150	Peak	HORIZONTAL

Vertical

	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	11220.61	56.93	74.00	-17.07	40.51	10.63	39.17	33.38	323	150	Peak	VERTICAL
2	11220.99	43.90	54.00	-10.10	27.48	10.63	39.17	33.38	323	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11379.33	57.32	74.00	-16.68	40.70	10.68	39.31	33.37	151	150	Peak	HORIZONTAL
2	11380.77	44.57	54.00	-9.43	27.95	10.68	39.31	33.37	151	150	Average	HORIZONTAL

Vertical

	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	11379.39	57.60	74.00	-16.40	40.98	10.68	39.31	33.37	106	150	Peak	VERTICAL
2	11380.48	44.47	54.00	-9.53	27.85	10.68	39.31	33.37	106	150	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.

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15755.80	45.77	54.00	-8.23	28.99	12.57	38.14	33.93	65	196	Average	HORIZONTAL
2	15794.42	61.07	74.00	-12.93	44.36	12.57	38.09	33.95	65	196	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15775.87	47.28	54.00	-6.72	30.53	12.57	38.11	33.93	298	203	Average	VERTICAL
2	15779.58	60.63	74.00	-13.37	43.90	12.57	38.11	33.95	298	203	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10595.24	57.22	74.00	-16.78	41.77	10.16	38.92	33.63	59	196	Peak	HORIZONTAL
2	10599.03	43.82	54.00	-10.18	28.37	10.16	38.92	33.63	59	196	Average	HORIZONTAL
3	15898.98	45.73	54.00	-8.27	29.27	12.57	37.94	34.05	32	196	Average	HORIZONTAL
4	15900.36	59.41	74.00	-14.59	42.95	12.57	37.94	34.05	32	196	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10595.80	43.86	54.00	-10.14	28.41	10.16	38.92	33.63	55	181	Average	VERTICAL
2	10596.30	57.13	74.00	-16.87	41.68	10.16	38.92	33.63	55	181	Peak	VERTICAL
3	15896.93	59.60	74.00	-14.40	43.14	12.57	37.94	34.05	57	183	Peak	VERTICAL
4	15905.11	45.93	54.00	-8.07	29.53	12.56	37.92	34.08	57	183	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10632.05	54.85	74.00	-19.15	39.31	10.21	38.93	33.60	119	171	Peak	HORIZONTAL
2	10633.97	43.07	54.00	-10.93	27.53	10.21	38.93	33.60	119	171	Average	HORIZONTAL
3	15953.69	44.52	54.00	-9.48	28.21	12.56	37.85	34.10	17	171	Average	HORIZONTAL
4	15962.02	56.39	74.00	-17.61	40.11	12.56	37.85	34.13	17	171	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10630.16	42.93	54.00	-11.07	27.40	10.21	38.92	33.60	350	171	Average	VERTICAL
2	10637.69	55.81	74.00	-18.19	40.27	10.21	38.93	33.60	350	171	Peak	VERTICAL
3	15952.92	44.66	54.00	-9.34	28.35	12.56	37.85	34.10	37	171	Average	VERTICAL
4	15961.09	57.36	74.00	-16.64	41.08	12.56	37.85	34.13	37	171	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10998.59	43.47	54.00	-10.53	27.30	10.55	39.00	33.38	49	171 Average	HORIZONTAL
2	11006.73	57.47	74.00	-16.53	41.29	10.55	39.01	33.38	49	171 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10995.64	43.42	54.00	-10.58	27.25	10.55	39.00	33.38	334	171 Average	VERTICAL
2	11007.92	56.35	74.00	-17.65	40.17	10.55	39.01	33.38	334	171 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11159.13	56.60	74.00	-17.40	40.25	10.60	39.13	33.38	302	171 Peak	HORIZONTAL
2	11169.78	43.26	54.00	-10.74	26.90	10.61	39.13	33.38	302	171 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11153.49	57.10	74.00	-16.90	40.76	10.60	39.12	33.38	160	171 Peak	VERTICAL
2	11154.68	43.51	54.00	-10.49	27.17	10.60	39.12	33.38	160	171 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11400.71	44.01	54.00	-9.99	27.37	10.69	39.32	33.37	78	171	Average	HORIZONTAL
2	11403.91	56.79	74.00	-17.21	40.15	10.69	39.32	33.37	78	171	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11393.04	57.12	74.00	-16.88	40.49	10.69	39.31	33.37	199	171	Peak	VERTICAL
2	11404.01	44.32	54.00	-9.68	27.68	10.69	39.32	33.37	199	171	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11444.84	44.31	54.00	-9.69	27.63	10.70	39.35	33.37	15	171	Average	HORIZONTAL
2	11448.24	57.03	74.00	-16.97	40.34	10.70	39.36	33.37	15	171	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11432.76	56.69	74.00	-17.31	40.02	10.69	39.35	33.37	34	171	Peak	VERTICAL
2	11441.12	44.28	54.00	-9.72	27.61	10.69	39.35	33.37	34	171	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	15803.69	57.30	74.00	-16.70	40.64	12.57	38.07	33.98	37	171 Peak	HORIZONTAL
2	15812.02	44.73	54.00	-9.27	28.07	12.57	38.07	33.98	37	171 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	15809.62	44.61	54.00	-9.39	27.95	12.57	38.07	33.98	339	171 Average	VERTICAL
2	15812.69	57.70	74.00	-16.30	41.04	12.57	38.07	33.98	339	171 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10613.17	56.51	74.00	-17.49	41.02	10.19	38.92	33.62	16	171	Peak	HORIZONTAL
2	10618.40	43.18	54.00	-10.82	27.69	10.19	38.92	33.62	16	171	Average	HORIZONTAL
3	15928.88	45.08	54.00	-8.92	28.70	12.56	37.90	34.08	269	171	Average	HORIZONTAL
4	15934.97	57.93	74.00	-16.07	41.60	12.56	37.87	34.10	269	171	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10622.37	55.61	74.00	-18.39	40.12	10.19	38.92	33.62	274	171	Peak	VERTICAL
2	10628.08	43.26	54.00	-10.74	27.73	10.21	38.92	33.60	274	171	Average	VERTICAL
3	15926.76	57.92	74.00	-16.08	41.54	12.56	37.90	34.08	109	171	Peak	VERTICAL
4	15939.36	44.92	54.00	-9.08	28.59	12.56	37.87	34.10	109	171	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11015.32	56.25	74.00	-17.75	40.06	10.56	39.01	33.38	229	171	Peak	HORIZONTAL
2	11024.29	43.49	54.00	-10.51	27.28	10.56	39.03	33.38	229	171	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11017.63	56.22	74.00	-17.78	40.03	10.56	39.01	33.38	351	171	Peak	VERTICAL
2	11024.10	43.46	54.00	-10.54	27.25	10.56	39.03	33.38	351	171	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11099.29	56.77	74.00	-17.23	40.49	10.58	39.08	33.38	49	171 Peak	HORIZONTAL
2	11102.82	43.62	54.00	-10.38	27.34	10.58	39.08	33.38	49	171 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11090.54	56.62	74.00	-17.38	40.34	10.58	39.08	33.38	162	171 Peak	VERTICAL
2	11093.81	43.48	54.00	-10.52	27.20	10.58	39.08	33.38	162	171 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11333.91	56.82	74.00	-17.18	40.26	10.66	39.27	33.37	185	171	Peak	HORIZONTAL
2	11337.76	44.12	54.00	-9.88	27.56	10.66	39.27	33.37	185	171	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11334.04	57.40	74.00	-16.60	40.84	10.66	39.27	33.37	342	171	Peak	VERTICAL
2	11344.10	43.99	54.00	-10.01	27.42	10.67	39.27	33.37	342	171	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11412.34	57.56	74.00	-16.44	40.92	10.69	39.32	33.37	360	171	Peak	HORIZONTAL
2	11416.57	44.80	54.00	-9.20	28.15	10.69	39.33	33.37	360	171	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11416.67	44.86	54.00	-9.14	28.21	10.69	39.33	33.37	48	171	Average	VERTICAL
2	11424.58	58.11	74.00	-15.89	41.46	10.69	39.33	33.37	48	171	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15865.99	45.33	54.00	-8.67	28.80	12.57	37.99	34.03	289	168	Average	HORIZONTAL
2	15878.24	58.53	74.00	-15.47	42.02	12.57	37.97	34.03	289	168	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15865.99	57.90	74.00	-16.10	41.37	12.57	37.99	34.03	333	164	Peak	VERTICAL
2	15877.66	45.35	54.00	-8.65	28.84	12.57	37.97	34.03	229	164	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11062.47	43.90	54.00	-10.10	27.65	10.58	39.05	33.38	16	167 Average	HORIZONTAL
2	11064.74	57.44	74.00	-16.56	41.19	10.58	39.05	33.38	16	167 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11052.53	43.96	54.00	-10.04	27.73	10.57	39.04	33.38	6	142 Average	VERTICAL
2	11069.42	56.62	74.00	-17.38	40.37	10.58	39.05	33.38	6	142 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11219.16	44.00	54.00	-10.00	27.58	10.63	39.17	33.38	34	169 Average	HORIZONTAL
2	11220.74	57.53	74.00	-16.47	41.11	10.63	39.17	33.38	34	169 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11219.28	43.85	54.00	-10.15	27.43	10.63	39.17	33.38	30	165 Average	VERTICAL
2	11220.12	57.44	74.00	-16.56	41.02	10.63	39.17	33.38	30	165 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11380.55	58.10	74.00	-15.90	41.48	10.68	39.31	33.37	332	166	Peak	HORIZONTAL
2	11380.81	44.66	54.00	-9.34	28.04	10.68	39.31	33.37	332	166	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.41	57.92	74.00	-16.08	41.30	10.68	39.31	33.37	319	145	Peak	VERTICAL
2	11379.98	44.61	54.00	-9.39	27.99	10.68	39.31	33.37	319	145	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.

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.12	58.46	74.00	-15.54	41.73	12.57	38.11	33.95	30	159	Peak	HORIZONTAL
2	15779.62	45.12	54.00	-8.88	28.39	12.57	38.11	33.95	30	159	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.39	45.29	54.00	-8.71	28.56	12.57	38.11	33.95	34	150	Average	VERTICAL
2	15780.10	59.69	74.00	-14.31	42.96	12.57	38.11	33.95	34	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10599.35	57.27	74.00	-16.73	41.82	10.16	38.92	33.63	36	165	Peak	HORIZONTAL
2	10599.86	43.52	54.00	-10.48	28.07	10.16	38.92	33.63	36	165	Average	HORIZONTAL
3	15900.73	45.49	54.00	-8.51	29.05	12.57	37.92	34.05	5	172	Average	HORIZONTAL
4	15900.77	58.56	74.00	-15.44	42.12	12.57	37.92	34.05	5	172	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10599.81	56.82	74.00	-17.18	41.37	10.16	38.92	33.63	76	176	Peak	VERTICAL
2	10600.06	43.38	54.00	-10.62	27.93	10.16	38.92	33.63	76	176	Average	VERTICAL
3	15899.35	58.78	74.00	-15.22	42.32	12.57	37.94	34.05	16	155	Peak	VERTICAL
4	15900.37	45.51	54.00	-8.49	29.05	12.57	37.94	34.05	16	155	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10640.47	43.29	54.00	-10.71	27.75	10.21	38.93	33.60	28	153	Average	HORIZONTAL
2	10640.71	56.46	74.00	-17.54	40.92	10.21	38.93	33.60	28	153	Peak	HORIZONTAL
3	15959.54	45.11	54.00	-8.89	28.83	12.56	37.85	34.13	29	180	Average	HORIZONTAL
4	15960.35	58.40	74.00	-15.60	42.12	12.56	37.85	34.13	29	180	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10640.09	43.49	54.00	-10.51	27.95	10.21	38.93	33.60	11	186	Average	VERTICAL
2	10640.88	56.76	74.00	-17.24	41.22	10.21	38.93	33.60	11	186	Peak	VERTICAL
3	15959.00	45.19	54.00	-8.81	28.91	12.56	37.85	34.13	22	210	Average	VERTICAL
4	15959.89	58.83	74.00	-15.17	42.55	12.56	37.85	34.13	22	210	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10999.50	58.19	74.00	-15.81	42.02	10.55	39.00	33.38	323	178 Peak	HORIZONTAL
2	11000.93	43.76	54.00	-10.24	27.59	10.55	39.00	33.38	323	178 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10999.49	57.68	74.00	-16.32	41.51	10.55	39.00	33.38	274	165 Peak	VERTICAL
2	11000.03	44.01	54.00	-9.99	27.84	10.55	39.00	33.38	274	165 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11176.67	44.15	54.00	-9.85	27.77	10.61	39.15	33.38	91	170 Average	HORIZONTAL
2	11177.23	57.10	74.00	-16.90	40.72	10.61	39.15	33.38	91	170 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11162.16	57.34	74.00	-16.66	40.98	10.61	39.13	33.38	41	148 Peak	VERTICAL
2	11165.45	44.37	54.00	-9.63	28.01	10.61	39.13	33.38	41	148 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11385.18	58.66	74.00	-15.34	42.04	10.68	39.31	33.37	4	126 Peak	HORIZONTAL
2	11409.29	44.86	54.00	-9.14	28.22	10.69	39.32	33.37	4	126 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11393.51	58.10	74.00	-15.90	41.47	10.69	39.31	33.37	48	185 Peak	VERTICAL
2	11399.20	44.92	54.00	-9.08	28.28	10.69	39.32	33.37	48	185 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11433.91	45.09	54.00	-8.91	28.42	10.69	39.35	33.37	31	121 Average	HORIZONTAL
2	11440.08	58.56	74.00	-15.44	41.89	10.69	39.35	33.37	31	121 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11433.59	58.06	74.00	-15.94	41.39	10.69	39.35	33.37	333	181 Peak	VERTICAL
2	11440.64	45.32	54.00	-8.68	28.65	10.69	39.35	33.37	333	181 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15822.76	58.64	74.00	-15.36	42.01	12.57	38.04	33.98	90	169 Peak	HORIZONTAL
2	15824.10	45.49	54.00	-8.51	28.86	12.57	38.04	33.98	90	169 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15801.60	58.90	74.00	-15.10	42.21	12.57	38.07	33.95	46	162 Peak	VERTICAL
2	15820.64	45.50	54.00	-8.50	28.87	12.57	38.04	33.98	46	162 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10604.29	57.15	74.00	-16.85	41.66	10.19	38.92	33.62	109	160	Peak	HORIZONTAL
2	10622.44	43.64	54.00	-10.36	28.15	10.19	38.92	33.62	109	160	Average	HORIZONTAL
3	15927.24	45.71	54.00	-8.29	29.33	12.56	37.90	34.08	39	173	Average	HORIZONTAL
4	15941.47	58.59	74.00	-15.41	42.26	12.56	37.87	34.10	39	173	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10610.64	56.43	74.00	-17.57	40.94	10.19	38.92	33.62	40	135	Peak	VERTICAL
2	10615.06	43.78	54.00	-10.22	28.29	10.19	38.92	33.62	40	135	Average	VERTICAL
3	15923.40	45.65	54.00	-8.35	29.27	12.56	37.90	34.08	101	144	Average	VERTICAL
4	15929.04	58.79	74.00	-15.21	42.41	12.56	37.90	34.08	101	144	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	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	11007.37	57.29	74.00	-16.71	41.11	10.55	39.01	33.38	101	141	Peak	HORIZONTAL
2	11034.55	44.15	54.00	-9.85	27.93	10.57	39.03	33.38	101	141	Average	HORIZONTAL

Vertical

	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	11012.50	44.24	54.00	-9.76	28.05	10.56	39.01	33.38	118	166	Average	VERTICAL
2	11026.03	57.17	74.00	-16.83	40.96	10.56	39.03	33.38	118	166	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11095.32	44.26	54.00	-9.74	27.98	10.58	39.08	33.38	4	123	Average	HORIZONTAL
2	11115.38	56.91	74.00	-17.09	40.61	10.59	39.09	33.38	4	123	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11093.14	56.88	74.00	-17.12	40.60	10.58	39.08	33.38	60	161	Peak	VERTICAL
2	11101.15	44.25	54.00	-9.75	27.97	10.58	39.08	33.38	60	161	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11351.73	44.58	54.00	-9.42	28.00	10.67	39.28	33.37	4	138 Average	HORIZONTAL
2	11359.23	57.34	74.00	-16.66	40.76	10.67	39.28	33.37	4	138 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11356.73	44.75	54.00	-9.25	28.17	10.67	39.28	33.37	37	168 Average	VERTICAL
2	11358.97	58.06	74.00	-15.94	41.48	10.67	39.28	33.37	37	168 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	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	11409.10	57.79	74.00	-16.21	41.15	10.69	39.32	33.37	20	149	Peak	HORIZONTAL
2	11436.47	44.86	54.00	-9.14	28.19	10.69	39.35	33.37	20	149	Average	HORIZONTAL

Vertical

	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	11414.23	44.83	54.00	-9.17	28.18	10.69	39.33	33.37	95	133	Average	VERTICAL
2	11420.96	57.61	74.00	-16.39	40.96	10.69	39.33	33.37	95	133	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15906.15	45.26	54.00	-8.74	28.86	12.56	37.92	34.08	280	153	Average	HORIZONTAL
2	15907.82	57.64	74.00	-16.36	41.24	12.56	37.92	34.08	280	153	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15891.67	58.48	74.00	-15.52	42.02	12.57	37.94	34.05	324	168	Peak	VERTICAL
2	15891.92	45.73	54.00	-8.27	29.27	12.57	37.94	34.05	324	168	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	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	11070.77	57.08	74.00	-16.92	40.83	10.58	39.05	33.38	47	134	Peak	HORIZONTAL
2	11093.72	44.55	54.00	-9.45	28.27	10.58	39.08	33.38	47	134	Average	HORIZONTAL

Vertical

	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	11029.74	44.33	54.00	-9.67	28.12	10.56	39.03	33.38	101	176	Average	VERTICAL
2	11048.21	57.74	74.00	-16.26	41.51	10.57	39.04	33.38	101	176	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11190.77	44.21	54.00	-9.79	27.82	10.62	39.15	33.38	39	141 Average	HORIZONTAL
2	11234.87	57.15	74.00	-16.85	40.71	10.63	39.19	33.38	39	141 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11196.67	57.34	74.00	-16.66	40.94	10.62	39.16	33.38	110	177 Peak	VERTICAL
2	11252.05	44.47	54.00	-9.53	28.01	10.64	39.20	33.38	110	177 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	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	11367.44	57.75	74.00	-16.25	41.15	10.68	39.29	33.37	37	147	Peak	HORIZONTAL
2	11415.13	44.88	54.00	-9.12	28.23	10.69	39.33	33.37	37	147	Average	HORIZONTAL

Vertical

	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	11391.28	58.03	74.00	-15.97	41.40	10.69	39.31	33.37	60	165	Peak	VERTICAL
2	11414.49	44.80	54.00	-9.20	28.15	10.69	39.33	33.37	60	165	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.

<For STBC Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	15779.22	45.28	54.00	-8.72	28.55	12.57	38.11	33.95	74	160	Average	HORIZONTAL
2	15780.97	58.76	74.00	-15.24	42.03	12.57	38.11	33.95	74	160	Peak	HORIZONTAL

Vertical

	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	15779.41	45.16	54.00	-8.84	28.43	12.57	38.11	33.95	224	160	Average	VERTICAL
2	15780.36	58.00	74.00	-16.00	41.27	12.57	38.11	33.95	224	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	10599.93	56.53	74.00	-17.47	41.08	10.16	38.92	33.63	178	160	Peak	HORIZONTAL
2	10600.10	43.44	54.00	-10.56	27.99	10.16	38.92	33.63	178	160	Average	HORIZONTAL
3	15900.30	58.09	74.00	-15.91	41.63	12.57	37.94	34.05	233	160	Peak	HORIZONTAL
4	15900.49	45.32	54.00	-8.68	28.86	12.57	37.94	34.05	233	160	Average	HORIZONTAL

Vertical

	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	10599.30	43.38	54.00	-10.62	27.93	10.16	38.92	33.63	120	160	Average	VERTICAL
2	10599.61	56.73	74.00	-17.27	41.28	10.16	38.92	33.63	120	160	Peak	VERTICAL
3	15899.98	58.47	74.00	-15.53	42.01	12.57	37.94	34.05	172	160	Peak	VERTICAL
4	15900.32	45.34	54.00	-8.66	28.88	12.57	37.94	34.05	172	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	10639.34	43.55	54.00	-10.45	28.01	10.21	38.93	33.60	131	165	Average	HORIZONTAL
2	10640.73	56.66	74.00	-17.34	41.12	10.21	38.93	33.60	131	165	Peak	HORIZONTAL
3	15959.67	58.27	74.00	-15.73	41.99	12.56	37.85	34.13	71	165	Peak	HORIZONTAL
4	15960.17	44.71	54.00	-9.29	28.43	12.56	37.85	34.13	71	165	Average	HORIZONTAL

Vertical

	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	10639.47	56.72	74.00	-17.28	41.18	10.21	38.93	33.60	203	160	Peak	VERTICAL
2	10640.88	43.56	54.00	-10.44	28.02	10.21	38.93	33.60	203	160	Average	VERTICAL
3	15960.53	44.92	54.00	-9.08	28.64	12.56	37.85	34.13	109	155	Average	VERTICAL
4	15960.78	58.02	74.00	-15.98	41.74	12.56	37.85	34.13	109	155	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11000.10	56.69	74.00	-17.31	40.52	10.55	39.00	33.38	83	165	Peak	HORIZONTAL
2	11000.20	43.95	54.00	-10.05	27.78	10.55	39.00	33.38	83	165	Average	HORIZONTAL

Vertical

	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	10999.68	43.80	54.00	-10.20	27.63	10.55	39.00	33.38	163	165	Average	VERTICAL
2	11000.80	56.83	74.00	-17.17	40.66	10.55	39.00	33.38	163	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11159.73	43.98	54.00	-10.02	27.63	10.60	39.13	33.38	102	165	Average	HORIZONTAL
2	11160.34	57.67	74.00	-16.33	41.32	10.60	39.13	33.38	102	165	Peak	HORIZONTAL

Vertical

	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	11159.43	56.70	74.00	-17.30	40.35	10.60	39.13	33.38	54	165	Peak	VERTICAL
2	11159.52	44.25	54.00	-9.75	27.90	10.60	39.13	33.38	54	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11400.08	58.08	74.00	-15.92	41.44	10.69	39.32	33.37	255	165	Peak	HORIZONTAL
2	11400.29	44.61	54.00	-9.39	27.97	10.69	39.32	33.37	255	165	Average	HORIZONTAL

Vertical

	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	11400.38	57.77	74.00	-16.23	41.13	10.69	39.32	33.37	152	165	Peak	VERTICAL
2	11400.62	44.72	54.00	-9.28	28.08	10.69	39.32	33.37	152	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11439.35	57.86	74.00	-16.14	41.19	10.69	39.35	33.37	215	165	Peak	HORIZONTAL
2	11439.99	44.62	54.00	-9.38	27.95	10.69	39.35	33.37	215	165	Average	HORIZONTAL

Vertical

	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	11440.09	44.74	54.00	-9.26	28.07	10.69	39.35	33.37	341	165	Average	VERTICAL
2	11440.97	58.31	74.00	-15.69	41.64	10.69	39.35	33.37	341	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	15810.61	45.04	54.00	-8.96	28.38	12.57	38.07	33.98	160	165 Average	HORIZONTAL
2	15810.94	58.11	74.00	-15.89	41.45	12.57	38.07	33.98	160	165 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	15809.66	58.22	74.00	-15.78	41.56	12.57	38.07	33.98	265	165 Peak	VERTICAL
2	15810.87	45.12	54.00	-8.88	28.46	12.57	38.07	33.98	265	165 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	10619.34	43.46	54.00	-10.54	27.97	10.19	38.92	33.62	243	165	Average	HORIZONTAL
2	10620.01	56.52	74.00	-17.48	41.03	10.19	38.92	33.62	243	165	Peak	HORIZONTAL
3	15930.46	58.84	74.00	-15.16	42.48	12.56	37.90	34.10	210	165	Peak	HORIZONTAL
4	15930.47	45.36	54.00	-8.64	29.00	12.56	37.90	34.10	210	165	Average	HORIZONTAL

Vertical

	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	10620.34	56.79	74.00	-17.21	41.30	10.19	38.92	33.62	92	165	Peak	VERTICAL
2	10620.54	43.56	54.00	-10.44	28.07	10.19	38.92	33.62	92	165	Average	VERTICAL
3	15929.55	45.28	54.00	-8.72	28.90	12.56	37.90	34.08	51	165	Average	VERTICAL
4	15930.06	58.67	74.00	-15.33	42.29	12.56	37.90	34.08	51	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11020.42	43.96	54.00	-10.04	27.77	10.56	39.01	33.38	328	165	Average	HORIZONTAL
2	11020.45	56.74	74.00	-17.26	40.55	10.56	39.01	33.38	328	165	Peak	HORIZONTAL

Vertical

	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	11019.42	57.57	74.00	-16.43	41.38	10.56	39.01	33.38	286	165	Peak	VERTICAL
2	11020.96	44.21	54.00	-9.79	28.02	10.56	39.01	33.38	286	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11099.30	43.98	54.00	-10.02	27.70	10.58	39.08	33.38	317	165	Average	HORIZONTAL
2	11100.96	56.67	74.00	-17.33	40.39	10.58	39.08	33.38	317	165	Peak	HORIZONTAL

Vertical

	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	11099.73	44.11	54.00	-9.89	27.83	10.58	39.08	33.38	290	165	Average	VERTICAL
2	11100.17	57.66	74.00	-16.34	41.38	10.58	39.08	33.38	290	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11339.08	57.38	74.00	-16.62	40.82	10.66	39.27	33.37	88	165	Peak	HORIZONTAL
2	11339.37	44.52	54.00	-9.48	27.96	10.66	39.27	33.37	88	165	Average	HORIZONTAL

Vertical

	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	11339.46	57.46	74.00	-16.54	40.90	10.66	39.27	33.37	146	165	Peak	VERTICAL
2	11340.08	44.62	54.00	-9.38	28.06	10.66	39.27	33.37	146	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11419.14	44.64	54.00	-9.36	27.99	10.69	39.33	33.37	237	165	Average	HORIZONTAL
2	11420.78	57.78	74.00	-16.22	41.13	10.69	39.33	33.37	237	165	Peak	HORIZONTAL

Vertical

	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	11420.32	44.73	54.00	-9.27	28.08	10.69	39.33	33.37	124	165	Average	VERTICAL
2	11420.94	57.65	74.00	-16.35	41.00	10.69	39.33	33.37	124	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	15869.10	44.90	54.00	-9.10	28.39	12.57	37.97	34.03	283	165	Average	HORIZONTAL
2	15870.81	58.72	74.00	-15.28	42.21	12.57	37.97	34.03	283	165	Peak	HORIZONTAL

Vertical

	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	15869.63	45.04	54.00	-8.96	28.53	12.57	37.97	34.03	343	165	Average	VERTICAL
2	15870.99	58.19	74.00	-15.81	41.68	12.57	37.97	34.03	343	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11059.09	56.77	74.00	-17.23	40.53	10.57	39.05	33.38	270	165	Peak	HORIZONTAL
2	11059.58	44.20	54.00	-9.80	27.96	10.57	39.05	33.38	270	165	Average	HORIZONTAL

Vertical

	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	11059.64	43.90	54.00	-10.10	27.66	10.57	39.05	33.38	230	165	Average	VERTICAL
2	11060.42	56.81	74.00	-17.19	40.56	10.58	39.05	33.38	230	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11220.38	57.05	74.00	-16.95	40.63	10.63	39.17	33.38	28	165	Peak	HORIZONTAL
2	11220.61	43.70	54.00	-10.30	27.28	10.63	39.17	33.38	28	165	Average	HORIZONTAL

Vertical

	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	11219.34	56.51	74.00	-17.49	40.09	10.63	39.17	33.38	122	165	Peak	VERTICAL
2	11220.70	43.42	54.00	-10.58	27.00	10.63	39.17	33.38	122	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	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	11380.79	57.75	74.00	-16.25	41.13	10.68	39.31	33.37	136	165	Peak	HORIZONTAL
2	11380.99	44.47	54.00	-9.53	27.85	10.68	39.31	33.37	136	165	Average	HORIZONTAL

Vertical

	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	11379.03	44.34	54.00	-9.66	27.72	10.68	39.31	33.37	76	165	Average	VERTICAL
2	11380.32	57.24	74.00	-16.76	40.62	10.68	39.31	33.37	76	165	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	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	15779.26	45.07	54.00	-8.93	28.34	12.57	38.11	33.95	166	165	Average	HORIZONTAL
2	15780.35	58.54	74.00	-15.46	41.81	12.57	38.11	33.95	166	165	Peak	HORIZONTAL

Vertical

	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	15780.28	45.12	54.00	-8.88	28.39	12.57	38.11	33.95	99	165	Average	VERTICAL
2	15780.94	58.09	74.00	-15.91	41.36	12.57	38.11	33.95	99	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	10599.64	57.18	74.00	-16.82	41.73	10.16	38.92	33.63	227	165	Peak	HORIZONTAL
2	10600.80	43.38	54.00	-10.62	27.89	10.19	38.92	33.62	227	165	Average	HORIZONTAL
3	15899.26	57.99	74.00	-16.01	41.53	12.57	37.94	34.05	337	165	Peak	HORIZONTAL
4	15900.78	45.09	54.00	-8.91	28.65	12.57	37.92	34.05	337	165	Average	HORIZONTAL

Vertical

	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	10599.19	43.30	54.00	-10.70	27.85	10.16	38.92	33.63	338	165	Average	VERTICAL
2	10600.99	56.13	74.00	-17.87	40.64	10.19	38.92	33.62	338	165	Peak	VERTICAL
3	15899.99	58.23	74.00	-15.77	41.77	12.57	37.94	34.05	287	165	Peak	VERTICAL
4	15900.45	45.42	54.00	-8.58	28.96	12.57	37.94	34.05	287	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	10640.46	43.14	54.00	-10.86	27.60	10.21	38.93	33.60	315	165	Average	HORIZONTAL
2	10640.81	56.29	74.00	-17.71	40.75	10.21	38.93	33.60	315	165	Peak	HORIZONTAL
3	15959.71	57.61	74.00	-16.39	41.33	12.56	37.85	34.13	262	165	Peak	HORIZONTAL
4	15960.64	44.70	54.00	-9.30	28.42	12.56	37.85	34.13	262	165	Average	HORIZONTAL

Vertical

	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	10639.09	56.16	74.00	-17.84	40.62	10.21	38.93	33.60	179	165	Peak	VERTICAL
2	10640.71	43.44	54.00	-10.56	27.90	10.21	38.93	33.60	179	165	Average	VERTICAL
3	15960.47	57.93	74.00	-16.07	41.65	12.56	37.85	34.13	136	165	Peak	VERTICAL
4	15960.53	44.61	54.00	-9.39	28.33	12.56	37.85	34.13	136	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11000.04	43.87	54.00	-10.13	27.70	10.55	39.00	33.38	162	165	Average	HORIZONTAL
2	11000.16	56.51	74.00	-17.49	40.34	10.55	39.00	33.38	162	165	Peak	HORIZONTAL

Vertical

	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	10999.73	57.86	74.00	-16.14	41.69	10.55	39.00	33.38	280	165	Peak	VERTICAL
2	11000.66	44.36	54.00	-9.64	28.19	10.55	39.00	33.38	280	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11159.81	57.37	74.00	-16.63	41.02	10.60	39.13	33.38	234	165 Peak	HORIZONTAL
2	11160.79	43.93	54.00	-10.07	27.58	10.60	39.13	33.38	234	165 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11159.96	56.84	74.00	-17.16	40.49	10.60	39.13	33.38	132	165 Peak	VERTICAL
2	11160.46	44.03	54.00	-9.97	27.68	10.60	39.13	33.38	132	165 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11399.39	57.11	74.00	-16.89	40.47	10.69	39.32	33.37	293	165	Peak	HORIZONTAL
2	11399.85	44.57	54.00	-9.43	27.93	10.69	39.32	33.37	293	165	Average	HORIZONTAL

Vertical

	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	11399.66	57.76	74.00	-16.24	41.12	10.69	39.32	33.37	349	165	Peak	VERTICAL
2	11400.96	44.76	54.00	-9.24	28.12	10.69	39.32	33.37	349	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11439.21	44.67	54.00	-9.33	28.00	10.69	39.35	33.37	132	165	Average	HORIZONTAL
2	11439.75	57.81	74.00	-16.19	41.14	10.69	39.35	33.37	132	165	Peak	HORIZONTAL

Vertical

	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	11440.16	57.56	74.00	-16.44	40.89	10.69	39.35	33.37	251	165	Peak	VERTICAL
2	11440.83	44.73	54.00	-9.27	28.06	10.69	39.35	33.37	251	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	15809.80	45.00	54.00	-9.00	28.34	12.57	38.07	33.98	338	165	Average	HORIZONTAL
2	15809.90	57.97	74.00	-16.03	41.31	12.57	38.07	33.98	338	165	Peak	HORIZONTAL

Vertical

	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	15809.24	58.04	74.00	-15.96	41.38	12.57	38.07	33.98	256	165	Peak	VERTICAL
2	15810.33	45.51	54.00	-8.49	28.85	12.57	38.07	33.98	256	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	10619.06	56.39	74.00	-17.61	40.90	10.19	38.92	33.62	120	165	Peak	HORIZONTAL
2	10620.53	43.54	54.00	-10.46	28.05	10.19	38.92	33.62	120	165	Average	HORIZONTAL
3	15930.08	58.28	74.00	-15.72	41.90	12.56	37.90	34.08	171	165	Peak	HORIZONTAL
4	15930.34	45.10	54.00	-8.90	28.74	12.56	37.90	34.10	171	165	Average	HORIZONTAL

Vertical

	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	10619.82	56.37	74.00	-17.63	40.88	10.19	38.92	33.62	276	165	Peak	VERTICAL
2	10620.10	43.44	54.00	-10.56	27.95	10.19	38.92	33.62	276	165	Average	VERTICAL
3	15930.54	45.33	54.00	-8.67	28.97	12.56	37.90	34.10	225	165	Average	VERTICAL
4	15930.64	58.33	74.00	-15.67	41.97	12.56	37.90	34.10	225	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11019.26	43.78	54.00	-10.22	27.59	10.56	39.01	33.38	165	165	Average	HORIZONTAL
2	11020.88	57.51	74.00	-16.49	41.32	10.56	39.01	33.38	165	165	Peak	HORIZONTAL

Vertical

	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	11019.06	43.51	54.00	-10.49	27.32	10.56	39.01	33.38	72	165	Average	VERTICAL
2	11020.55	57.14	74.00	-16.86	40.95	10.56	39.01	33.38	72	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11100.47	43.90	54.00	-10.10	27.62	10.58	39.08	33.38	324	165	Average	HORIZONTAL
2	11100.84	56.90	74.00	-17.10	40.62	10.58	39.08	33.38	324	165	Peak	HORIZONTAL

Vertical

	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	11099.52	57.53	74.00	-16.47	41.25	10.58	39.08	33.38	208	165	Peak	VERTICAL
2	11099.96	44.25	54.00	-9.75	27.97	10.58	39.08	33.38	208	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11339.24	44.49	54.00	-9.51	27.93	10.66	39.27	33.37	144	165	Average	HORIZONTAL
2	11340.94	57.90	74.00	-16.10	41.33	10.67	39.27	33.37	144	165	Peak	HORIZONTAL

Vertical

	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	11340.09	58.16	74.00	-15.84	41.60	10.66	39.27	33.37	255	165	Peak	VERTICAL
2	11340.31	44.54	54.00	-9.46	27.97	10.67	39.27	33.37	255	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11420.58	57.64	74.00	-16.36	40.99	10.69	39.33	33.37	217	165	Peak	HORIZONTAL
2	11420.85	44.67	54.00	-9.33	28.02	10.69	39.33	33.37	217	165	Average	HORIZONTAL

Vertical

	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	11420.29	58.12	74.00	-15.88	41.47	10.69	39.33	33.37	99	165	Peak	VERTICAL
2	11420.90	44.61	54.00	-9.39	27.96	10.69	39.33	33.37	99	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	15869.24	44.92	54.00	-9.08	28.41	12.57	37.97	34.03	187	160	Average	HORIZONTAL
2	15870.86	57.86	74.00	-16.14	41.35	12.57	37.97	34.03	187	160	Peak	HORIZONTAL

Vertical

	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	15870.15	57.85	74.00	-16.15	41.34	12.57	37.97	34.03	303	160	Peak	VERTICAL
2	15870.20	45.08	54.00	-8.92	28.57	12.57	37.97	34.03	303	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11059.87	43.79	54.00	-10.21	27.54	10.58	39.05	33.38	175	160	Average	HORIZONTAL
2	11060.72	57.33	74.00	-16.67	41.08	10.58	39.05	33.38	175	160	Peak	HORIZONTAL

Vertical

	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	11059.49	56.67	74.00	-17.33	40.43	10.57	39.05	33.38	223	160	Peak	VERTICAL
2	11060.35	43.66	54.00	-10.34	27.41	10.58	39.05	33.38	223	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11219.60	43.69	54.00	-10.31	27.27	10.63	39.17	33.38	162	160	Average	HORIZONTAL
2	11219.76	56.80	74.00	-17.20	40.38	10.63	39.17	33.38	162	160	Peak	HORIZONTAL

Vertical

	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	11219.54	57.51	74.00	-16.49	41.09	10.63	39.17	33.38	37	160	Peak	VERTICAL
2	11219.92	43.76	54.00	-10.24	27.34	10.63	39.17	33.38	37	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	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	11379.03	57.97	74.00	-16.03	41.35	10.68	39.31	33.37	112	150	Peak	HORIZONTAL
2	11380.33	44.50	54.00	-9.50	27.88	10.68	39.31	33.37	112	150	Average	HORIZONTAL

Vertical

	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	11379.18	44.53	54.00	-9.47	27.91	10.68	39.31	33.37	326	160	Average	VERTICAL
2	11379.42	57.73	74.00	-16.27	41.11	10.68	39.31	33.37	326	160	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	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	15773.33	45.81	54.00	-8.19	29.06	12.57	38.11	33.93	39	165	Average	HORIZONTAL
2	15782.76	59.09	74.00	-14.91	42.38	12.57	38.09	33.95	39	165	Peak	HORIZONTAL

Vertical

	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	15779.55	59.44	74.00	-14.56	42.71	12.57	38.11	33.95	62	165	Peak	VERTICAL
2	15781.60	46.19	54.00	-7.81	29.48	12.57	38.09	33.95	62	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10609.07	44.02	54.00	-9.98	28.53	10.19	38.92	33.62	58	165	Average	HORIZONTAL
2	10609.10	57.22	74.00	-16.78	41.73	10.19	38.92	33.62	58	165	Peak	HORIZONTAL
3	15897.88	59.23	74.00	-14.77	42.77	12.57	37.94	34.05	83	165	Peak	HORIZONTAL
4	15905.87	46.00	54.00	-8.00	29.60	12.56	37.92	34.08	83	165	Average	HORIZONTAL

Vertical

	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	10603.81	57.07	74.00	-16.93	41.58	10.19	38.92	33.62	86	165	Peak	VERTICAL
2	10609.26	43.92	54.00	-10.08	28.43	10.19	38.92	33.62	86	165	Average	VERTICAL
3	15899.42	46.05	54.00	-7.95	29.59	12.57	37.94	34.05	112	165	Average	VERTICAL
4	15909.97	59.16	74.00	-14.84	42.76	12.56	37.92	34.08	112	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10631.44	44.05	54.00	-9.95	28.51	10.21	38.93	33.60	41	165	Average	HORIZONTAL
2	10646.35	56.96	74.00	-17.04	41.42	10.21	38.93	33.60	41	165	Peak	HORIZONTAL
3	15950.61	45.62	54.00	-8.38	29.29	12.56	37.87	34.10	85	165	Average	HORIZONTAL
4	15953.30	59.49	74.00	-14.51	43.18	12.56	37.85	34.10	85	165	Peak	HORIZONTAL

Vertical

	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	10639.62	43.95	54.00	-10.05	28.41	10.21	38.93	33.60	87	165	Average	VERTICAL
2	10640.87	56.91	74.00	-17.09	41.37	10.21	38.93	33.60	87	165	Peak	VERTICAL
3	15951.67	45.82	54.00	-8.18	29.51	12.56	37.85	34.10	112	165	Average	VERTICAL
4	15953.81	59.03	74.00	-14.97	42.72	12.56	37.85	34.10	112	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10994.10	44.34	54.00	-9.66	28.17	10.55	39.00	33.38	11	165	Average	HORIZONTAL
2	11001.31	57.98	74.00	-16.02	41.81	10.55	39.00	33.38	11	165	Peak	HORIZONTAL

Vertical

	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	11000.48	44.42	54.00	-9.58	28.25	10.55	39.00	33.38	47	165	Average	VERTICAL
2	11006.51	57.58	74.00	-16.42	41.40	10.55	39.01	33.38	47	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11165.22	56.98	74.00	-17.02	40.62	10.61	39.13	33.38	21	165	Peak	HORIZONTAL
2	11165.80	44.25	54.00	-9.75	27.89	10.61	39.13	33.38	21	165	Average	HORIZONTAL

Vertical

	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	11153.40	44.74	54.00	-9.26	28.40	10.60	39.12	33.38	40	165	Average	VERTICAL
2	11157.34	58.04	74.00	-15.96	41.70	10.60	39.12	33.38	40	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11398.94	57.64	74.00	-16.36	41.00	10.69	39.32	33.37	56	165	Peak	HORIZONTAL
2	11401.25	44.97	54.00	-9.03	28.33	10.69	39.32	33.37	56	165	Average	HORIZONTAL

Vertical

	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	11392.31	45.17	54.00	-8.83	28.54	10.69	39.31	33.37	73	165	Average	VERTICAL
2	11409.33	58.41	74.00	-15.59	41.77	10.69	39.32	33.37	73	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11437.44	58.21	74.00	-15.79	41.54	10.69	39.35	33.37	91	165	Peak	HORIZONTAL
2	11442.21	45.24	54.00	-8.76	28.57	10.69	39.35	33.37	91	165	Average	HORIZONTAL

Vertical

	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	11442.37	45.38	54.00	-8.62	28.70	10.70	39.35	33.37	55	165	Average	VERTICAL
2	11444.94	58.42	74.00	-15.58	41.74	10.70	39.35	33.37	55	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	15804.26	45.83	54.00	-8.17	29.17	12.57	38.07	33.98	323	165 Average	HORIZONTAL
2	15811.86	59.49	74.00	-14.51	42.83	12.57	38.07	33.98	323	165 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	15804.23	59.35	74.00	-14.65	42.69	12.57	38.07	33.98	175	165 Peak	VERTICAL
2	15811.41	45.90	54.00	-8.10	29.24	12.57	38.07	33.98	119	165 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	10620.16	57.12	74.00	-16.88	41.63	10.19	38.92	33.62	322	165	Peak	HORIZONTAL
2	10624.58	44.12	54.00	-9.88	28.63	10.19	38.92	33.62	322	165	Average	HORIZONTAL
3	15925.51	46.17	54.00	-7.83	29.79	12.56	37.90	34.08	272	165	Average	HORIZONTAL
4	15931.63	59.07	74.00	-14.93	42.71	12.56	37.90	34.10	272	165	Peak	HORIZONTAL

Vertical

	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	10616.28	43.95	54.00	-10.05	28.46	10.19	38.92	33.62	271	165	Average	VERTICAL
2	10625.00	57.31	74.00	-16.69	41.82	10.19	38.92	33.62	271	165	Peak	VERTICAL
3	15926.19	59.65	74.00	-14.35	43.27	12.56	37.90	34.08	299	165	Peak	VERTICAL
4	15927.44	46.19	54.00	-7.81	29.81	12.56	37.90	34.08	299	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11018.53	57.30	74.00	-16.70	41.11	10.56	39.01	33.38	57	200	Peak	HORIZONTAL
2	11028.17	44.55	54.00	-9.45	28.34	10.56	39.03	33.38	57	200	Average	HORIZONTAL

Vertical

	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	11010.48	57.82	74.00	-16.18	41.63	10.56	39.01	33.38	89	200	Peak	VERTICAL
2	11012.72	44.89	54.00	-9.11	28.70	10.56	39.01	33.38	89	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11096.03	57.92	74.00	-16.08	41.64	10.58	39.08	33.38	339	200	Peak	HORIZONTAL
2	11107.34	44.33	54.00	-9.67	28.04	10.58	39.09	33.38	339	200	Average	HORIZONTAL

Vertical

	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	11091.03	44.41	54.00	-9.59	28.13	10.58	39.08	33.38	294	200	Average	VERTICAL
2	11102.98	57.60	74.00	-16.40	41.32	10.58	39.08	33.38	294	200	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11343.21	44.83	54.00	-9.17	28.26	10.67	39.27	33.37	25	200	Average	HORIZONTAL
2	11347.76	58.72	74.00	-15.28	42.14	10.67	39.28	33.37	25	200	Peak	HORIZONTAL

Vertical

	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	11335.77	44.94	54.00	-9.06	28.38	10.66	39.27	33.37	43	200	Average	VERTICAL
2	11342.85	58.42	74.00	-15.58	41.85	10.67	39.27	33.37	43	200	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11418.59	45.84	54.00	-8.16	29.19	10.69	39.33	33.37	145	150	Average	HORIZONTAL
2	11421.19	58.94	74.00	-15.06	42.29	10.69	39.33	33.37	145	150	Peak	HORIZONTAL

Vertical

	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	11418.99	46.19	54.00	-7.81	29.54	10.69	39.33	33.37	265	150	Average	VERTICAL
2	11422.22	59.43	74.00	-14.57	42.78	10.69	39.33	33.37	265	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	15869.94	58.18	74.00	-15.82	41.67	12.57	37.97	34.03	85	150	Peak	HORIZONTAL
2	15872.40	45.24	54.00	-8.76	28.73	12.57	37.97	34.03	85	150	Average	HORIZONTAL

Vertical

	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	15870.39	45.49	54.00	-8.51	28.98	12.57	37.97	34.03	127	150	Average	VERTICAL
2	15872.02	58.14	74.00	-15.86	41.63	12.57	37.97	34.03	127	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11058.83	56.82	74.00	-17.18	40.58	10.57	39.05	33.38	187	150	Peak	HORIZONTAL
2	11061.72	44.23	54.00	-9.77	27.98	10.58	39.05	33.38	187	150	Average	HORIZONTAL

Vertical

	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	11059.46	44.06	54.00	-9.94	27.82	10.57	39.05	33.38	223	150	Average	VERTICAL
2	11060.22	57.55	74.00	-16.45	41.30	10.58	39.05	33.38	223	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	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	11219.75	43.99	54.00	-10.01	27.57	10.63	39.17	33.38	130	150	Average	HORIZONTAL
2	11220.67	58.29	74.00	-15.71	41.87	10.63	39.17	33.38	130	150	Peak	HORIZONTAL

Vertical

	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	11220.68	59.67	74.00	-14.33	43.25	10.63	39.17	33.38	162	150	Peak	VERTICAL
2	11221.68	44.99	54.00	-9.01	28.57	10.63	39.17	33.38	162	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11377.84	44.55	54.00	-9.45	27.95	10.68	39.29	33.37	147	150	Average	HORIZONTAL
2	11381.82	57.45	74.00	-16.55	40.83	10.68	39.31	33.37	147	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11378.40	57.46	74.00	-16.54	40.86	10.68	39.29	33.37	52	150	Peak	VERTICAL
2	11382.13	44.56	54.00	-9.44	27.94	10.68	39.31	33.37	52	150	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.

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	15781.72	45.16	54.00	-8.84	28.45	12.57	38.09	33.95	263	150	Average	HORIZONTAL
2	15782.00	58.75	74.00	-15.25	42.04	12.57	38.09	33.95	263	150	Peak	HORIZONTAL

Vertical

	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	15779.65	45.38	54.00	-8.62	28.65	12.57	38.11	33.95	337	150	Average	VERTICAL
2	15781.91	58.12	74.00	-15.88	41.41	12.57	38.09	33.95	337	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10599.53	57.00	74.00	-17.00	41.55	10.16	38.92	33.63	126	160	Peak	HORIZONTAL
2	10600.34	43.53	54.00	-10.47	28.08	10.16	38.92	33.63	126	160	Average	HORIZONTAL
3	15901.65	58.22	74.00	-15.78	41.78	12.57	37.92	34.05	81	160	Peak	HORIZONTAL
4	15902.15	45.43	54.00	-8.57	28.99	12.57	37.92	34.05	81	160	Average	HORIZONTAL

Vertical

	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	10598.43	43.48	54.00	-10.52	28.03	10.16	38.92	33.63	233	150	Average	VERTICAL
2	10601.47	56.79	74.00	-17.21	41.30	10.19	38.92	33.62	233	150	Peak	VERTICAL
3	15901.94	45.45	54.00	-8.55	29.01	12.57	37.92	34.05	168	155	Average	VERTICAL
4	15902.49	58.63	74.00	-15.37	42.19	12.57	37.92	34.05	168	155	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10637.57	56.58	74.00	-17.42	41.04	10.21	38.93	33.60	193	160	Peak	HORIZONTAL
2	10639.46	43.44	54.00	-10.56	27.90	10.21	38.93	33.60	193	160	Average	HORIZONTAL
3	15958.30	58.27	74.00	-15.73	41.99	12.56	37.85	34.13	116	160	Peak	HORIZONTAL
4	15961.22	44.75	54.00	-9.25	28.47	12.56	37.85	34.13	116	160	Average	HORIZONTAL

Vertical

	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	10640.03	56.73	74.00	-17.27	41.19	10.21	38.93	33.60	148	160	Peak	VERTICAL
2	10640.68	43.51	54.00	-10.49	27.97	10.21	38.93	33.60	148	160	Average	VERTICAL
3	15959.46	44.74	54.00	-9.26	28.46	12.56	37.85	34.13	77	160	Average	VERTICAL
4	15961.07	57.97	74.00	-16.03	41.69	12.56	37.85	34.13	77	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10999.68	43.82	54.00	-10.18	27.65	10.55	39.00	33.38	342	160	Average	HORIZONTAL
2	11000.15	56.96	74.00	-17.04	40.79	10.55	39.00	33.38	342	160	Peak	HORIZONTAL

Vertical

	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	10999.37	43.95	54.00	-10.05	27.78	10.55	39.00	33.38	268	160	Average	VERTICAL
2	11000.70	57.07	74.00	-16.93	40.90	10.55	39.00	33.38	268	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11159.33	57.50	74.00	-16.50	41.15	10.60	39.13	33.38	301	160 Peak	HORIZONTAL
2	11160.98	43.93	54.00	-10.07	27.58	10.60	39.13	33.38	301	160 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11159.21	56.84	74.00	-17.16	40.49	10.60	39.13	33.38	325	160 Peak	VERTICAL
2	11160.45	44.20	54.00	-9.80	27.85	10.60	39.13	33.38	325	160 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11399.44	44.68	54.00	-9.32	28.04	10.69	39.32	33.37	226	160	Average	HORIZONTAL
2	11399.60	57.58	74.00	-16.42	40.94	10.69	39.32	33.37	226	160	Peak	HORIZONTAL

Vertical

	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	11399.60	44.86	54.00	-9.14	28.22	10.69	39.32	33.37	274	160	Average	VERTICAL
2	11400.02	57.51	74.00	-16.49	40.87	10.69	39.32	33.37	274	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11439.52	58.84	74.00	-15.16	42.17	10.69	39.35	33.37	170	160	Peak	HORIZONTAL
2	11440.30	44.77	54.00	-9.23	28.10	10.69	39.35	33.37	170	160	Average	HORIZONTAL

Vertical

	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	11439.56	45.71	54.00	-8.29	29.04	10.69	39.35	33.37	198	160	Average	VERTICAL
2	11440.39	59.56	74.00	-14.44	42.89	10.69	39.35	33.37	198	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	15809.07	45.09	54.00	-8.91	28.43	12.57	38.07	33.98	128	160	Average	HORIZONTAL
2	15809.89	57.82	74.00	-16.18	41.16	12.57	38.07	33.98	128	160	Peak	HORIZONTAL

Vertical

	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	15809.41	45.21	54.00	-8.79	28.55	12.57	38.07	33.98	148	160	Average	VERTICAL
2	15810.82	58.45	74.00	-15.55	41.79	12.57	38.07	33.98	148	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	10619.00	43.52	54.00	-10.48	28.03	10.19	38.92	33.62	105	160	Average	HORIZONTAL
2	10619.74	56.49	74.00	-17.51	41.00	10.19	38.92	33.62	105	160	Peak	HORIZONTAL
3	15929.18	58.22	74.00	-15.78	41.84	12.56	37.90	34.08	54	160	Peak	HORIZONTAL
4	15930.90	45.47	54.00	-8.53	29.11	12.56	37.90	34.10	54	160	Average	HORIZONTAL

Vertical

	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	10620.27	43.46	54.00	-10.54	27.97	10.19	38.92	33.62	104	160	Average	VERTICAL
2	10620.93	56.97	74.00	-17.03	41.48	10.19	38.92	33.62	104	160	Peak	VERTICAL
3	15929.69	59.08	74.00	-14.92	42.70	12.56	37.90	34.08	83	160	Peak	VERTICAL
4	15930.62	45.30	54.00	-8.70	28.94	12.56	37.90	34.10	83	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11019.20	43.94	54.00	-10.06	27.75	10.56	39.01	33.38	159	160	Average	HORIZONTAL
2	11019.98	56.63	74.00	-17.37	40.44	10.56	39.01	33.38	159	160	Peak	HORIZONTAL

Vertical

	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	11019.32	57.03	74.00	-16.97	40.84	10.56	39.01	33.38	132	160	Peak	VERTICAL
2	11020.93	43.95	54.00	-10.05	27.76	10.56	39.01	33.38	132	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11099.20	43.94	54.00	-10.06	27.66	10.58	39.08	33.38	233	160	Average	HORIZONTAL
2	11100.72	57.60	74.00	-16.40	41.32	10.58	39.08	33.38	233	160	Peak	HORIZONTAL

Vertical

	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	11099.22	44.15	54.00	-9.85	27.87	10.58	39.08	33.38	183	160	Average	VERTICAL
2	11099.85	56.48	74.00	-17.52	40.20	10.58	39.08	33.38	183	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11340.09	44.56	54.00	-9.44	28.00	10.66	39.27	33.37	319	150	Average	HORIZONTAL
2	11340.60	57.35	74.00	-16.65	40.78	10.67	39.27	33.37	319	150	Peak	HORIZONTAL

Vertical

	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	11339.98	44.38	54.00	-9.62	27.82	10.66	39.27	33.37	268	150	Average	VERTICAL
2	11339.99	58.29	74.00	-15.71	41.73	10.66	39.27	33.37	268	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	11419.21	44.58	54.00	-9.42	27.93	10.69	39.33	33.37	325	150	Average	HORIZONTAL
2	11419.67	57.69	74.00	-16.31	41.04	10.69	39.33	33.37	325	150	Peak	HORIZONTAL

Vertical

	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	11420.86	44.83	54.00	-9.17	28.18	10.69	39.33	33.37	353	150	Average	VERTICAL
2	11420.99	57.61	74.00	-16.39	40.96	10.69	39.33	33.37	353	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	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	15870.34	58.13	74.00	-15.87	41.62	12.57	37.97	34.03	241	150	Peak	HORIZONTAL
2	15870.94	44.82	54.00	-9.18	28.31	12.57	37.97	34.03	241	150	Average	HORIZONTAL

Vertical

	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	15870.68	45.30	54.00	-8.70	28.79	12.57	37.97	34.03	295	150	Average	VERTICAL
2	15870.69	57.83	74.00	-16.17	41.32	12.57	37.97	34.03	295	150	Peak	VERTICAL