<For Beamforming Mode>

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15778.40	46.08	54.00	-7.92	34.61	7.93	38.48	34.94	Average	240	100	HORIZONTAL
2	15783.40	61.22	74.00	-12.78	49.75	7.94	38.47	34.94	Peak	240	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	15779.58	44.74	54.00	-9.26	33.27	7.93	38.48	34.94	Average	0	100	VERTICAL
2	15779.96	58.75	74.00	-15.25	47.28	7.93	38.48	34.94	Peak	0	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10600.22	41.84	54.00	-12.16	31.86	6.60	38.38	35.00	Average	285	100	HORIZONTAL
2	10600.68	55.12	74.00	-18.88	45.14	6.60	38.38	35.00	Peak	285	100	HORIZONTAL
3	15900.86	60.15	74.00	-13.85	48.83	7.98	38.37	35.03	Peak	46	100	HORIZONTAL
4	15903.48	46.01	54.00	-7.99	34.69	7.98	38.37	35.03	Average	46	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	10599.02	54.21	74.00	-19.79	44.23	6.60	38.38	35.00	Peak	357	100	VERTICAL
2	10600.04	40.21	54.00	-13.79	30.23	6.60	38.38	35.00	Average	357	100	VERTICAL
3	15899.16	59.69	74.00	-14.31	48.37	7.97	38.38	35.03	Peak	231	100	VERTICAL
4	15901.28	46.23	54.00	-7.77	34.91	7.98	38.37	35.03	Average	231	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10637.88	54.45	74.00	-19.55	44.46	6.59	38.37	34.97	Peak	142	100	HORIZONTAL
2	10643.70	40.87	54.00	-13.13	30.88	6.59	38.37	34.97	Average	142	100	HORIZONTAL
3	15956.02	45.02	54.00	-8.98	33.79	8.00	38.33	35.10	Average	321	100	HORIZONTAL
4	15957.12	59.41	74.00	-14.59	48.18	8.00	38.33	35.10	Peak	321	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	10636.10	40.21	54.00	-13.79	30.22	6.59	38.37	34.97	Average	254	100	VERTICAL
2	10640.64	54.01	74.00	-19.99	44.02	6.59	38.37	34.97	Peak	254	100	VERTICAL
3	15958.72	44.98	54.00	-9.02	33.75	8.00	38.33	35.10	Average	77	100	VERTICAL
4	15959.60	58.59	74.00	-15.41	47.36	8.00	38.33	35.10	Peak	77	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11000.58	54.02	74.00	-19.98	43.97	6.46	38.30	34.71	Peak	303	100	HORIZONTAL
2	11004.00	40.19	54.00	-13.81	30.14	6.46	38.30	34.71	Average	303	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	10997.40	54.41	74.00	-19.59	44.36	6.46	38.30	34.71	Peak	62	100	VERTICAL
2	10999.78	40.13	54.00	-13.87	30.08	6.46	38.30	34.71	Average	62	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11156.22	40.50	54.00	-13.50	30.34	6.55	38.30	34.69	Average	54	100	HORIZONTAL
2	11160.24	54.51	74.00	-19.49	44.34	6.56	38.30	34.69	Peak	54	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	11160.46	40.54	54.00	-13.46	30.37	6.56	38.30	34.69	Average	282	100	VERTICAL
2	11161.10	54.09	74.00	-19.91	43.92	6.56	38.30	34.69	Peak	282	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11399.50	54.04	74.00	-19.96	43.72	6.69	38.30	34.67	Peak	186	100	HORIZONTAL
2	11404.60	40.43	54.00	-13.57	30.11	6.69	38.30	34.67	Average	186	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	11399.40	55.03	74.00	-18.97	44.71	6.69	38.30	34.67	Peak	107	100	VERTICAL
2	11404.54	40.51	54.00	-13.49	30.19	6.69	38.30	34.67	Average	107	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11436.48	60.43	74.00	-13.57	50.09	6.71	38.30	34.67	Peak	244	100	HORIZONTAL
2	11439.16	45.94	54.00	-8.06	35.60	6.71	38.30	34.67	Average	244	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	11439.20	62.20	74.00	-11.80	51.86	6.71	38.30	34.67	Peak	19	100	VERTICAL
2	11439.20	47.30	54.00	-6.70	36.96	6.71	38.30	34.67	Average	19	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15801.32	58.45	74.00	-15.55	46.99	7.95	38.45	34.94	Peak	186	100	HORIZONTAL
2	15818.48	45.50	54.00	-8.50	34.08	7.95	38.44	34.97	Average	186	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	15804.32	58.30	74.00	-15.70	46.87	7.95	38.45	34.97	Peak	333	100	VERTICAL
2	15818.60	44.73	54.00	-9.27	33.31	7.95	38.44	34.97	Average	333	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10620.08	40.77	54.00	-13.23	30.78	6.60	38.38	34.99	Average	208	100	HORIZONTAL
2	10621.40	54.14	74.00	-19.86	44.15	6.60	38.38	34.99	Peak	208	100	HORIZONTAL
3	15923.24	45.17	54.00	-8.83	33.87	7.99	38.36	35.05	Average	142	100	HORIZONTAL
4	15926.24	59.19	74.00	-14.81	47.89	7.99	38.36	35.05	Peak	142	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	10611.36	40.57	54.00	-13.43	30.58	6.60	38.38	34.99	Average	163	100	VERTICAL
2	10619.56	54.43	74.00	-19.57	44.44	6.60	38.38	34.99	Peak	163	100	VERTICAL
3	15925.32	59.61	74.00	-14.39	48.31	7.99	38.36	35.05	Peak	66	100	VERTICAL
4	15925.96	45.20	54.00	-8.80	33.90	7.99	38.36	35.05	Average	66	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11019.88	40.18	54.00	-13.82	30.12	6.47	38.30	34.71	Average	265	100	HORIZONTAL
2	11020.28	54.35	74.00	-19.65	44.29	6.47	38.30	34.71	Peak	265	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	11019.56	53.68	74.00	-20.32	43.62	6.47	38.30	34.71	Peak	157	100	VERTICAL
2	11019.96	40.26	54.00	-13.74	30.20	6.47	38.30	34.71	Average	157	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11091.28	55.00	74.00	-19.00	44.88	6.52	38.30	34.70	Peak	124	100	HORIZONTAL
2	11099.80	40.79	54.00	-13.21	30.67	6.52	38.30	34.70	Average	124	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	11093.60	55.15	74.00	-18.85	45.03	6.52	38.30	34.70	Peak	271	100	VERTICAL
2	11099.88	40.63	54.00	-13.37	30.51	6.52	38.30	34.70	Average	271	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11342.48	54.75	74.00	-19.25	44.47	6.65	38.30	34.67	Peak	335	100	HORIZONTAL
2	11343.74	40.31	54.00	-13.69	30.03	6.65	38.30	34.67	Average	335	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	11339.96	40.45	54.00	-13.55	30.18	6.65	38.30	34.68	Average	165	100	VERTICAL
2	11344.76	53.95	74.00	-20.05	43.66	6.66	38.30	34.67	Peak	165	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11418.64	58.04	74.00	-15.96	47.71	6.70	38.30	34.67	Peak	255	100	HORIZONTAL
2	11418.92	43.82	54.00	-10.18	33.49	6.70	38.30	34.67	Average	255	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	11414.12	42.56	54.00	-11.44	32.23	6.70	38.30	34.67	Average	33	100	VERTICAL
2	11421.32	56.29	74.00	-17.71	45.96	6.70	38.30	34.67	Peak	33	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15867.72	58.72	74.00	-15.28	47.36	7.97	38.40	35.01	Peak	71	100	HORIZONTAL
2	15867.86	44.75	54.00	-9.25	33.39	7.97	38.40	35.01	Average	71	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	15870.78	58.47	74.00	-15.53	47.11	7.97	38.40	35.01	Peak	170	100	VERTICAL
2	15870.82	44.70	54.00	-9.30	33.34	7.97	38.40	35.01	Average	170	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11064.04	40.40	54.00	-13.60	30.30	6.50	38.30	34.70	Average	135	100	HORIZONTAL
2	11064.94	53.85	74.00	-20.15	43.75	6.50	38.30	34.70	Peak	135	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	11058.68	54.84	74.00	-19.16	44.74	6.50	38.30	34.70	Peak	252	100	VERTICAL
2	11064.22	40.40	54.00	-13.60	30.30	6.50	38.30	34.70	Average	252	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11220.76	40.26	54.00	-13.74	30.06	6.59	38.30	34.69	Average	152	100	HORIZONTAL
2	11221.52	53.63	74.00	-20.37	43.43	6.59	38.30	34.69	Peak	152	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	11218.56	54.63	74.00	-19.37	44.43	6.59	38.30	34.69	Peak	256	100	VERTICAL
2	11219.92	40.35	54.00	-13.65	30.15	6.59	38.30	34.69	Average	256	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11379.46	40.44	54.00	-13.56	30.13	6.68	38.30	34.67	Average	286	100	HORIZONTAL
2	11382.14	53.93	74.00	-20.07	43.62	6.68	38.30	34.67	Peak	286	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	11376.50	40.44	54.00	-13.56	30.14	6.67	38.30	34.67	Average	33	100	VERTICAL
2	11381.92	54.81	74.00	-19.19	44.50	6.68	38.30	34.67	Peak	33	100	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15774.62	61.75	74.00	-12.25	50.26	7.93	38.48	34.92	Peak	347	100	HORIZONTAL
2	15777.92	46.54	54.00	-7.46	35.07	7.93	38.48	34.94	Average	347	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	15777.31	46.54	54.00	-7.46	35.07	7.93	38.48	34.94	Average	227	100	VERTICAL
2	15781.86	60.72	74.00	-13.28	49.25	7.94	38.47	34.94	Peak	227	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10600.80	46.75	54.00	-7.25	36.76	6.60	38.38	34.99	Average	300	100	HORIZONTAL
2	10601.52	61.12	74.00	-12.88	51.13	6.60	38.38	34.99	Peak	300	100	HORIZONTAL
3	15898.33	59.60	74.00	-14.40	48.28	7.97	38.38	35.03	Peak	28	100	HORIZONTAL
4	15901.25	45.53	54.00	-8.47	34.21	7.98	38.37	35.03	Average	28	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	10600.79	43.34	54.00	-10.66	33.35	6.60	38.38	34.99	Average	99	100	VERTICAL
2	10601.12	57.62	74.00	-16.38	47.63	6.60	38.38	34.99	Peak	99	100	VERTICAL
3	15896.79	59.38	74.00	-14.62	48.06	7.97	38.38	35.03	Peak	263	100	VERTICAL
4	15899.31	45.76	54.00	-8.24	34.44	7.97	38.38	35.03	Average	263	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10640.71	40.97	54.00	-13.03	30.98	6.59	38.37	34.97	Average	301	100	HORIZONTAL
2	10645.64	56.22	74.00	-17.78	46.23	6.59	38.37	34.97	Peak	301	100	HORIZONTAL
3	15958.13	40.43	54.00	-13.57	29.20	8.00	38.33	35.10	Average	124	100	HORIZONTAL
4	15963.93	54.39	74.00	-19.61	43.16	8.00	38.33	35.10	Peak	124	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	10635.10	43.21	54.00	-10.79	33.22	6.59	38.37	34.97	Average	64	100	VERTICAL
2	10639.55	57.08	74.00	-16.92	47.09	6.59	38.37	34.97	Peak	64	100	VERTICAL
3	15956.07	40.73	54.00	-13.27	29.50	8.00	38.33	35.10	Average	293	100	VERTICAL
4	15964.65	54.43	74.00	-19.57	43.20	8.00	38.33	35.10	Peak	293	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10996.55	58.73	74.00	-15.27	48.68	6.46	38.30	34.71	Peak	296	100	HORIZONTAL
2	11001.67	45.21	54.00	-8.79	35.16	6.46	38.30	34.71	Average	296	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	10997.93	44.49	54.00	-9.51	34.44	6.46	38.30	34.71	Average	358	100	VERTICAL
2	11000.82	57.11	74.00	-16.89	47.06	6.46	38.30	34.71	Peak	358	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11157.20	43.22	54.00	-10.78	33.06	6.55	38.30	34.69	Average	5	100	HORIZONTAL
2	11161.11	57.12	74.00	-16.88	46.95	6.56	38.30	34.69	Peak	5	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	11156.41	57.88	74.00	-16.12	47.72	6.55	38.30	34.69	Peak	231	100	VERTICAL
2	11159.87	43.23	54.00	-10.77	33.06	6.56	38.30	34.69	Average	231	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11396.30	57.11	74.00	-16.89	46.79	6.69	38.30	34.67	Peak	250	100	HORIZONTAL
2	11402.18	44.51	54.00	-9.49	34.19	6.69	38.30	34.67	Average	250	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	11395.64	57.54	74.00	-16.46	47.22	6.69	38.30	34.67	Peak	19	100	VERTICAL
2	11400.83	44.11	54.00	-9.89	33.79	6.69	38.30	34.67	Average	19	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11441.47	49.53	54.00	-4.47	39.19	6.71	38.30	34.67	Average	318	100	HORIZONTAL
2	11442.05	63.79	74.00	-10.21	53.45	6.71	38.30	34.67	Peak	318	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	11436.70	50.79	54.00	-3.21	40.45	6.71	38.30	34.67	Average	18	100	VERTICAL
2	11441.73	66.03	74.00	-7.97	55.69	6.71	38.30	34.67	Peak	18	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15800.83	45.07	54.00	-8.93	33.61	7.95	38.45	34.94	Average	53	100	HORIZONTAL
2	15807.88	58.82	74.00	-15.18	47.39	7.95	38.45	34.97	Peak	53	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	15801.76	58.82	74.00	-15.18	47.36	7.95	38.45	34.94	Peak	260	100	VERTICAL
2	15806.79	45.17	54.00	-8.83	33.74	7.95	38.45	34.97	Average	260	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10611.35	38.45	54.00	-15.55	28.46	6.60	38.38	34.99	Average	169	100	HORIZONTAL
2	10622.72	52.92	74.00	-21.08	42.93	6.60	38.38	34.99	Peak	169	100	HORIZONTAL
3	15922.08	39.91	54.00	-14.09	28.61	7.99	38.36	35.05	Average	301	100	HORIZONTAL
4	15923.04	54.22	74.00	-19.78	42.92	7.99	38.36	35.05	Peak	301	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	10615.13	38.27	54.00	-15.73	28.28	6.60	38.38	34.99	Average	125	100	VERTICAL
2	10618.49	51.47	74.00	-22.53	41.48	6.60	38.38	34.99	Peak	125	100	VERTICAL
3	15920.06	39.87	54.00	-14.13	28.57	7.99	38.36	35.05	Average	196	100	VERTICAL
4	15935.90	53.17	74.00	-20.83	41.92	7.99	38.34	35.08	Peak	196	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11021.60	52.78	74.00	-21.22	42.71	6.48	38.30	34.71	Peak	315	100	HORIZONTAL
2	11022.36	38.81	54.00	-15.19	28.74	6.48	38.30	34.71	Average	315	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	11022.23	38.65	54.00	-15.35	28.58	6.48	38.30	34.71	Average	154	100	VERTICAL
2	11024.70	52.23	74.00	-21.77	42.16	6.48	38.30	34.71	Peak	154	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11097.63	57.02	74.00	-16.98	46.90	6.52	38.30	34.70	Peak	47	100	HORIZONTAL
2	11097.71	42.96	54.00	-11.04	32.84	6.52	38.30	34.70	Average	47	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	11097.28	57.12	74.00	-16.88	47.00	6.52	38.30	34.70	Peak	337	100	VERTICAL
2	11099.31	43.14	54.00	-10.86	33.02	6.52	38.30	34.70	Average	337	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11338.56	56.39	74.00	-17.61	46.12	6.65	38.30	34.68	Peak	311	100	HORIZONTAL
2	11339.94	43.40	54.00	-10.60	33.13	6.65	38.30	34.68	Average	311	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	11337.24	57.14	74.00	-16.86	46.87	6.65	38.30	34.68	Peak	26	100	VERTICAL
2	11342.61	43.26	54.00	-10.74	32.98	6.65	38.30	34.67	Average	26	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11421.15	59.36	74.00	-14.64	49.03	6.70	38.30	34.67	Peak	301	100	HORIZONTAL
2	11426.41	46.33	54.00	-7.67	36.00	6.70	38.30	34.67	Average	301	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	11421.79	47.02	54.00	-6.98	36.69	6.70	38.30	34.67	Average	24	100	VERTICAL
2	11422.05	61.10	74.00	-12.90	50.77	6.70	38.30	34.67	Peak	24	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15867.90	40.05	54.00	-13.95	28.69	7.97	38.40	35.01	Average	288	100	HORIZONTAL
2	15868.08	53.66	74.00	-20.34	42.30	7.97	38.40	35.01	Peak	288	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	15868.09	39.90	54.00	-14.10	28.54	7.97	38.40	35.01	Average	184	100	VERTICAL
2	15873.06	53.63	74.00	-20.37	42.27	7.97	38.40	35.01	Peak	184	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11057.08	52.63	74.00	-21.37	42.53	6.50	38.30	34.70	Peak	175	100	HORIZONTAL
2	11059.71	38.32	54.00	-15.68	28.22	6.50	38.30	34.70	Average	175	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	11056.01	52.33	74.00	-21.67	42.23	6.50	38.30	34.70	Peak	65	100	VERTICAL
2	11060.08	38.19	54.00	-15.81	28.09	6.50	38.30	34.70	Average	65	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11222.77	37.86	54.00	-16.14	27.66	6.59	38.30	34.69	Average	218	100	HORIZONTAL
2	11224.70	52.24	74.00	-21.76	42.04	6.59	38.30	34.69	Peak	218	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	11222.96	53.73	74.00	-20.27	43.53	6.59	38.30	34.69	Peak	107	100	VERTICAL
2	11222.98	38.00	54.00	-16.00	27.80	6.59	38.30	34.69	Average	107	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11375.46	57.05	74.00	-16.95	46.75	6.67	38.30	34.67	Peak	62	100	HORIZONTAL
2	11379.79	43.40	54.00	-10.60	33.09	6.68	38.30	34.67	Average	62	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	11376.57	56.82	74.00	-17.18	46.52	6.67	38.30	34.67	Peak	355	100	VERTICAL
2	11381.92	44.08	54.00	-9.92	33.77	6.68	38.30	34.67	Average	355	100	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15778.03	61.51	74.00	-12.49	52.50	6.14	38.11	35.24	Peak	101	80	HORIZONTAL
2	15780.87	48.12	54.00	-5.88	39.11	6.14	38.11	35.24	Average	101	80	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15777.10	63.92	74.00	-10.08	54.90	6.14	38.11	35.23	Peak	115	135	VERTICAL
2	15778.93	49.50	54.00	-4.50	40.49	6.14	38.11	35.24	Average	115	135	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.62	54.42	74.00	-19.58	45.74	5.01	38.92	35.25	Peak	103	282	HORIZONTAL
2	10600.80	42.22	54.00	-11.78	33.52	5.01	38.92	35.23	Average	103	282	HORIZONTAL
3	15895.00	41.22	54.00	-12.78	32.39	6.15	37.94	35.26	Average	103	340	HORIZONTAL
4	15898.45	54.66	74.00	-19.34	45.83	6.15	37.94	35.26	Peak	103	340	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10601.23	40.84	54.00	-13.16	32.14	5.01	38.92	35.23	Average	100	102	VERTICAL
2	10601.33	53.88	74.00	-20.12	45.18	5.01	38.92	35.23	Peak	100	102	VERTICAL
3	15899.42	54.07	74.00	-19.93	45.24	6.15	37.94	35.26	Peak	100	213	VERTICAL
4	15903.14	41.72	54.00	-12.28	32.91	6.15	37.92	35.26	Average	100	213	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10640.87	40.75	54.00	-13.25	32.03	5.01	38.93	35.22	Average	100	233	HORIZONTAL
2	10642.64	54.76	74.00	-19.24	46.04	5.01	38.93	35.22	Peak	100	233	HORIZONTAL
3	15957.52	41.52	54.00	-12.48	32.80	6.15	37.85	35.28	Average	100	73	HORIZONTAL
4	15957.77	53.95	74.00	-20.05	45.23	6.15	37.85	35.28	Peak	100	73	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10640.45	54.14	74.00	-19.86	45.42	5.01	38.93	35.22	Peak	100	265	VERTICAL
2	10641.59	39.99	54.00	-14.01	31.27	5.01	38.93	35.22	Average	100	265	VERTICAL
3	15955.08	41.45	54.00	-12.55	32.73	6.15	37.85	35.28	Average	100	177	VERTICAL
4	15956.25	54.49	74.00	-19.51	45.77	6.15	37.85	35.28	Peak	100	177	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10998.24	53.95	74.00	-20.05	44.92	5.01	39.00	34.98	Peak	100	71	HORIZONTAL
2	11000.35	41.63	54.00	-12.37	32.60	5.01	39.00	34.98	Average	100	71	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10996.12	54.62	74.00	-19.38	45.59	5.01	39.00	34.98	Peak	100	188	VERTICAL
2	11002.96	40.87	54.00	-13.13	31.84	5.01	39.00	34.98	Average	100	188	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.31	55.78	74.00	-18.22	46.61	5.04	39.13	35.00	Peak	100	226	HORIZONTAL
2	11160.42	43.47	54.00	-10.53	34.30	5.04	39.13	35.00	Average	100	226	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11157.69	40.96	54.00	-13.04	31.79	5.04	39.13	35.00	Average	100	124	VERTICAL
2	11159.65	53.31	74.00	-20.69	44.14	5.04	39.13	35.00	Peak	100	124	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11397.48	41.96	54.00	-12.04	32.58	5.10	39.32	35.04	Average	100	247	HORIZONTAL
2	11399.58	54.15	74.00	-19.85	44.77	5.10	39.32	35.04	Peak	100	247	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11400.24	53.91	74.00	-20.09	44.53	5.10	39.32	35.04	Peak	100	173	VERTICAL
2	11404.95	41.11	54.00	-12.89	31.73	5.10	39.32	35.04	Average	100	173	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11436.35	50.91	54.00	-3.09	41.50	5.10	39.35	35.04	Average	100	25	HORIZONTAL
2	11436.52	65.63	74.00	-8.37	56.22	5.10	39.35	35.04	Peak	100	25	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.02	50.88	54.00	-3.12	41.47	5.10	39.35	35.04	Average	100	233	VERTICAL
2	11441.65	65.81	74.00	-8.19	56.40	5.10	39.35	35.04	Peak	100	233	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15807.24	53.38	74.00	-20.62	44.41	6.14	38.07	35.24	Peak	100	253	HORIZONTAL
2	15814.81	41.27	54.00	-12.73	32.30	6.14	38.07	35.24	Average	100	253	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15812.50	53.81	74.00	-20.19	44.84	6.14	38.07	35.24	Peak	100	181	VERTICAL
2	15812.60	41.34	54.00	-12.66	32.37	6.14	38.07	35.24	Average	100	181	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10615.00	40.31	54.00	-13.69	31.61	5.01	38.92	35.23	Average	100	274	HORIZONTAL
2	10623.53	52.80	74.00	-21.20	44.10	5.01	38.92	35.23	Peak	100	274	HORIZONTAL
3	15928.72	54.78	74.00	-19.22	46.00	6.15	37.90	35.27	Peak	100	236	HORIZONTAL
4	15930.08	41.79	54.00	-12.21	33.01	6.15	37.90	35.27	Average	100	236	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10618.72	53.45	74.00	-20.55	44.75	5.01	38.92	35.23	Peak	100	241	VERTICAL
2	10623.14	40.34	54.00	-13.66	31.64	5.01	38.92	35.23	Average	100	241	VERTICAL
3	15928.00	54.48	74.00	-19.52	45.70	6.15	37.90	35.27	Peak	100	270	VERTICAL
4	15933.62	41.63	54.00	-12.37	32.86	6.15	37.90	35.28	Average	100	270	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11017.39	40.89	54.00	-13.11	31.84	5.02	39.01	34.98	Average	100	330	HORIZONTAL
2	11017.90	53.74	74.00	-20.26	44.69	5.02	39.01	34.98	Peak	100	330	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11017.47	40.81	54.00	-13.19	31.76	5.02	39.01	34.98	Average	100	229	VERTICAL
2	11021.44	53.10	74.00	-20.90	44.05	5.02	39.01	34.98	Peak	100	229	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11097.28	53.97	74.00	-20.03	44.85	5.03	39.08	34.99	Peak	100	75	HORIZONTAL
2	11101.89	40.53	54.00	-13.47	31.41	5.03	39.08	34.99	Average	100	75	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11104.21	53.11	74.00	-20.89	43.99	5.03	39.08	34.99	Peak	100	123	VERTICAL
2	11104.63	40.42	54.00	-13.58	31.30	5.03	39.08	34.99	Average	100	123	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11340.51	54.04	74.00	-19.96	44.71	5.09	39.27	35.03	Peak	100	213	HORIZONTAL
2	11343.89	40.95	54.00	-13.05	31.62	5.09	39.27	35.03	Average	100	213	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11343.32	54.52	74.00	-19.48	45.19	5.09	39.27	35.03	Peak	100	301	VERTICAL
2	11343.49	41.01	54.00	-12.99	31.68	5.09	39.27	35.03	Average	100	301	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11421.63	45.80	54.00	-8.20	36.41	5.10	39.33	35.04	Average	100	59	HORIZONTAL
2	11424.01	59.51	74.00	-14.49	50.12	5.10	39.33	35.04	Peak	100	59	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11421.07	44.01	54.00	-9.99	34.62	5.10	39.33	35.04	Average	100	228	VERTICAL
2	11421.20	55.93	74.00	-18.07	46.54	5.10	39.33	35.04	Peak	100	228	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15865.21	41.35	54.00	-12.65	32.48	6.14	37.99	35.26	Average	100	285	HORIZONTAL
2	15872.16	53.51	74.00	-20.49	44.66	6.14	37.97	35.26	Peak	100	285	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15872.15	54.85	74.00	-19.15	46.00	6.14	37.97	35.26	Peak	100	218	VERTICAL
2	15873.00	41.07	54.00	-12.93	32.22	6.14	37.97	35.26	Average	100	218	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11056.79	40.92	54.00	-13.08	31.84	5.02	39.05	34.99	Average	100	74	HORIZONTAL
2	11062.50	54.28	74.00	-19.72	45.19	5.03	39.05	34.99	Peak	100	74	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11057.40	53.96	74.00	-20.04	44.88	5.02	39.05	34.99	Peak	100	33	VERTICAL
2	11060.61	40.87	54.00	-13.13	31.78	5.03	39.05	34.99	Average	100	33	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11213.24	39.92	54.00	-14.08	30.70	5.06	39.17	35.01	Average	100	209	HORIZONTAL
2	11213.24	53.31	74.00	-20.69	44.09	5.06	39.17	35.01	Peak	100	209	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11213.24	53.05	74.00	-20.95	43.83	5.06	39.17	35.01	Peak	100	307	VERTICAL
2	11228.62	40.99	54.00	-13.01	31.75	5.06	39.19	35.01	Average	100	307	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11375.71	53.41	74.00	-20.59	44.06	5.09	39.29	35.03	Peak	100	164	HORIZONTAL
2	11384.07	41.25	54.00	-12.75	31.88	5.09	39.31	35.03	Average	100	164	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11375.24	41.08	54.00	-12.92	31.73	5.09	39.29	35.03	Average	100	214	VERTICAL
2	11378.21	53.86	74.00	-20.14	44.51	5.09	39.29	35.03	Peak	100	214	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 10, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15778.96	56.86	74.00	-17.14	47.85	6.14	38.11	35.24	Peak	100	164	HORIZONTAL
2	15781.89	44.31	54.00	-9.69	35.32	6.14	38.09	35.24	Average	100	164	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15778.58	44.52	54.00	-9.48	35.51	6.14	38.11	35.24	Average	100	281	VERTICAL
2	15779.22	57.43	74.00	-16.57	48.42	6.14	38.11	35.24	Peak	100	281	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 10, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.09	54.85	74.00	-19.15	46.17	5.01	38.92	35.25	Peak	100	135	HORIZONTAL
2	10601.10	40.77	54.00	-13.23	32.07	5.01	38.92	35.23	Average	100	135	HORIZONTAL
3	15899.26	44.40	54.00	-9.60	35.57	6.15	37.94	35.26	Average	100	211	HORIZONTAL
4	15899.73	56.90	74.00	-17.10	48.07	6.15	37.94	35.26	Peak	100	211	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10602.38	41.09	54.00	-12.91	32.39	5.01	38.92	35.23	Average	100	349	VERTICAL
2	10602.39	55.16	74.00	-18.84	46.46	5.01	38.92	35.23	Peak	100	349	VERTICAL
3	15901.47	56.47	74.00	-17.53	47.66	6.15	37.92	35.26	Peak	100	286	VERTICAL
4	15901.75	44.52	54.00	-9.48	35.71	6.15	37.92	35.26	Average	100	286	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 10, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10638.48	54.08	74.00	-19.92	45.36	5.01	38.93	35.22	Peak	100	198	HORIZONTAL
2	10639.82	41.79	54.00	-12.21	33.07	5.01	38.93	35.22	Average	100	198	HORIZONTAL
3	15958.13	44.05	54.00	-9.95	35.33	6.15	37.85	35.28	Average	100	265	HORIZONTAL
4	15962.24	56.93	74.00	-17.07	48.21	6.15	37.85	35.28	Peak	100	265	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10638.64	41.18	54.00	-12.82	32.46	5.01	38.93	35.22	Average	100	152	VERTICAL
2	10642.06	53.02	74.00	-20.98	44.30	5.01	38.93	35.22	Peak	100	152	VERTICAL
3	15957.69	43.99	54.00	-10.01	35.27	6.15	37.85	35.28	Average	100	195	VERTICAL
4	15959.59	57.08	74.00	-16.92	48.36	6.15	37.85	35.28	Peak	100	195	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 10, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10997.93	54.45	74.00	-19.55	45.42	5.01	39.00	34.98	Peak	100	253	HORIZONTAL
2	10998.06	41.37	54.00	-12.63	32.34	5.01	39.00	34.98	Average	100	253	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10999.98	41.60	54.00	-12.40	32.57	5.01	39.00	34.98	Average	100	186	VERTICAL
2	11001.05	54.09	74.00	-19.91	45.06	5.01	39.00	34.98	Peak	100	186	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 10, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.91	54.75	74.00	-19.25	45.58	5.04	39.13	35.00	Peak	100	185	HORIZONTAL
2	11162.01	41.80	54.00	-12.20	32.62	5.05	39.13	35.00	Average	100	185	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11158.84	54.31	74.00	-19.69	45.14	5.04	39.13	35.00	Peak	100	316	VERTICAL
2	11160.21	41.70	54.00	-12.30	32.53	5.04	39.13	35.00	Average	100	316	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 10, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.83	54.40	74.00	-19.60	45.02	5.10	39.32	35.04	Peak	100	176	HORIZONTAL
2	11401.63	42.18	54.00	-11.82	32.80	5.10	39.32	35.04	Average	100	176	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11401.40	54.84	74.00	-19.16	45.46	5.10	39.32	35.04	Peak	100	242	VERTICAL
2	11401.96	42.22	54.00	-11.78	32.84	5.10	39.32	35.04	Average	100	242	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 10, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.02	44.91	54.00	-9.09	35.50	5.10	39.35	35.04	Average	100	36	HORIZONTAL
2	11441.40	58.23	74.00	-15.77	48.82	5.10	39.35	35.04	Peak	100	36	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.80	60.21	74.00	-13.79	50.80	5.10	39.35	35.04	Peak	100	167	VERTICAL
2	11441.66	46.34	54.00	-7.66	36.93	5.10	39.35	35.04	Average	100	167	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15811.56	58.44	74.00	-15.56	49.47	6.14	38.07	35.24	Peak	100	285	HORIZONTAL
2	15818.68	45.25	54.00	-8.75	36.31	6.14	38.04	35.24	Average	100	285	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15802.92	58.54	74.00	-15.46	49.57	6.14	38.07	35.24	Peak	100	239	VERTICAL
2	15812.88	45.19	54.00	-8.81	36.22	6.14	38.07	35.24	Average	100	239	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10576.00	40.94	54.00	-13.06	32.27	5.01	38.91	35.25	Average	100	251	HORIZONTAL
2	10579.92	54.14	74.00	-19.86	45.46	5.01	38.92	35.25	Peak	100	251	HORIZONTAL
3	15852.32	45.48	54.00	-8.52	36.60	6.14	37.99	35.25	Average	100	251	HORIZONTAL
4	15859.36	58.46	74.00	-15.54	49.59	6.14	37.99	35.26	Peak	100	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10573.52	40.90	54.00	-13.10	32.25	5.01	38.91	35.27	Average	100	199	VERTICAL
2	10585.76	54.12	74.00	-19.88	45.44	5.01	38.92	35.25	Peak	100	199	VERTICAL
3	15850.44	45.35	54.00	-8.65	36.47	6.14	37.99	35.25	Average	100	199	VERTICAL
4	15852.92	58.58	74.00	-15.42	49.70	6.14	37.99	35.25	Peak	100	199	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10783.12	53.95	74.00	-20.05	45.09	5.01	38.96	35.11	Peak	106	57	HORIZONTAL
2	10788.60	40.85	54.00	-13.15	31.99	5.01	38.96	35.11	Average	106	57	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10773.32	41.01	54.00	-12.99	32.17	5.01	38.96	35.13	Average	100	110	VERTICAL
2	10786.60	53.82	74.00	-20.18	44.96	5.01	38.96	35.11	Peak	100	110	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10810.16	54.36	74.00	-19.64	45.49	5.01	38.96	35.10	Peak	100	124	HORIZONTAL
2	10829.72	40.98	54.00	-13.02	32.10	5.01	38.97	35.10	Average	100	124	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10818.64	54.28	74.00	-19.72	45.40	5.01	38.97	35.10	Peak	100	154	VERTICAL
2	10823.84	41.04	54.00	-12.96	32.16	5.01	38.97	35.10	Average	100	154	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10935.96	41.09	54.00	-12.91	32.10	5.01	38.99	35.01	Average	100	277	HORIZONTAL
2	10936.00	54.70	74.00	-19.30	45.71	5.01	38.99	35.01	Peak	100	277	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10930.48	41.28	54.00	-12.72	32.31	5.01	38.99	35.03	Average	100	309	VERTICAL
2	10935.80	54.32	74.00	-19.68	45.33	5.01	38.99	35.01	Peak	100	309	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10980.32	54.37	74.00	-19.63	45.36	5.01	39.00	35.00	Peak	100	281	HORIZONTAL
2	10988.76	41.63	54.00	-12.37	32.60	5.01	39.00	34.98	Average	100	281	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10979.72	54.54	74.00	-19.46	45.53	5.01	39.00	35.00	Peak	100	258	VERTICAL
2	10985.80	41.51	54.00	-12.49	32.48	5.01	39.00	34.98	Average	100	258	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15821.20	45.30	54.00	-8.70	36.36	6.14	38.04	35.24	Average	100	251	HORIZONTAL
2	15827.36	58.17	74.00	-15.83	49.23	6.14	38.04	35.24	Peak	100	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15820.68	45.36	54.00	-8.64	36.42	6.14	38.04	35.24	Average	100	224	VERTICAL
2	15822.68	58.82	74.00	-15.18	49.88	6.14	38.04	35.24	Peak	100	224	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10800.70	53.70	74.00	-20.30	44.84	5.01	38.96	35.11	Peak	100	207	HORIZONTAL
2	10800.96	40.93	54.00	-13.07	32.07	5.01	38.96	35.11	Average	100	207	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10795.78	40.77	54.00	-13.23	31.91	5.01	38.96	35.11	Average	100	145	VERTICAL
2	10796.28	53.73	74.00	-20.27	44.87	5.01	38.96	35.11	Peak	100	145	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11228.01	42.98	54.00	-11.02	33.74	5.06	39.19	35.01	Average	138	284	HORIZONTAL
2	11228.08	55.28	74.00	-18.72	46.04	5.06	39.19	35.01	Peak	138	284	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11212.79	42.97	54.00	-11.03	33.75	5.06	39.17	35.01	Average	138	230	VERTICAL
2	11228.01	55.67	74.00	-18.33	46.43	5.06	39.19	35.01	Peak	138	230	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10960.38	40.55	54.00	-13.45	31.55	5.01	38.99	35.00	Average	100	211	HORIZONTAL
2	10960.38	54.55	74.00	-19.45	45.55	5.01	38.99	35.00	Peak	100	211	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10956.22	40.99	54.00	-13.01	32.00	5.01	38.99	35.01	Average	100	137	VERTICAL
2	10961.36	54.49	74.00	-19.51	45.49	5.01	38.99	35.00	Peak	100	137	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	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15780.45	64.89	74.00	-9.11	53.42	7.93	38.48	34.94	Peak	46	100	HORIZONTAL
2	15781.76	50.71	54.00	-3.29	39.24	7.94	38.47	34.94	Average	46	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	15778.40	50.80	54.00	-3.20	39.33	7.93	38.48	34.94	Average	238	127	VERTICAL
2	15780.35	64.66	74.00	-9.34	53.19	7.93	38.48	34.94	Peak	238	127	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10597.66	57.20	74.00	-16.80	47.22	6.60	38.38	35.00	Peak	54	100	HORIZONTAL
2	10600.99	43.06	54.00	-10.94	33.07	6.60	38.38	34.99	Average	54	100	HORIZONTAL
3	15901.06	63.07	74.00	-10.93	51.75	7.98	38.37	35.03	Peak	241	100	HORIZONTAL
4	15903.33	48.48	54.00	-5.52	37.16	7.98	38.37	35.03	Average	241	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	10596.44	54.88	74.00	-19.12	44.89	6.61	38.38	35.00	Peak	297	100	VERTICAL
2	10601.63	40.64	54.00	-13.36	30.65	6.60	38.38	34.99	Average	297	100	VERTICAL
3	15898.78	63.65	74.00	-10.35	52.33	7.97	38.38	35.03	Peak	238	133	VERTICAL
4	15899.10	48.45	54.00	-5.55	37.13	7.97	38.38	35.03	Average	238	133	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10640.00	39.44	54.00	-14.56	29.45	6.59	38.37	34.97	Average	350	100	HORIZONTAL
2	10642.91	53.10	74.00	-20.90	43.11	6.59	38.37	34.97	Peak	350	100	HORIZONTAL
3	15959.46	54.97	74.00	-19.03	43.74	8.00	38.33	35.10	Peak	2	100	HORIZONTAL
4	15959.91	41.99	54.00	-12.01	30.76	8.00	38.33	35.10	Average	2	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	10636.37	38.43	54.00	-15.57	28.44	6.59	38.37	34.97	Average	212	100	VERTICAL
2	10639.97	52.55	74.00	-21.45	42.56	6.59	38.37	34.97	Peak	212	100	VERTICAL
3	15959.65	42.11	54.00	-11.89	30.88	8.00	38.33	35.10	Average	249	100	VERTICAL
4	15963.72	56.63	74.00	-17.37	45.40	8.00	38.33	35.10	Peak	249	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10999.92	38.45	54.00	-15.55	28.40	6.46	38.30	34.71	Average	56	100	HORIZONTAL
2	11001.87	52.34	74.00	-21.66	42.29	6.46	38.30	34.71	Peak	56	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	10996.44	52.18	74.00	-21.82	42.13	6.46	38.30	34.71	Peak	280	100	VERTICAL
2	10999.68	38.43	54.00	-15.57	28.38	6.46	38.30	34.71	Average	280	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11159.92	38.06	54.00	-15.94	27.89	6.56	38.30	34.69	Average	304	100	HORIZONTAL
2	11162.88	51.53	74.00	-22.47	41.36	6.56	38.30	34.69	Peak	304	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	11156.29	52.28	74.00	-21.72	42.12	6.55	38.30	34.69	Peak	62	100	VERTICAL
2	11159.86	38.35	54.00	-15.65	28.18	6.56	38.30	34.69	Average	62	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11398.18	52.18	74.00	-21.82	41.86	6.69	38.30	34.67	Peak	208	100	HORIZONTAL
2	11399.76	38.42	54.00	-15.58	28.10	6.69	38.30	34.67	Average	208	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	11402.68	53.24	74.00	-20.76	42.92	6.69	38.30	34.67	Peak	111	100	VERTICAL
2	11403.46	38.24	54.00	-15.76	27.92	6.69	38.30	34.67	Average	111	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11438.58	59.78	74.00	-14.22	49.44	6.71	38.30	34.67	Peak	318	100	HORIZONTAL
2	11438.88	45.10	54.00	-8.90	34.76	6.71	38.30	34.67	Average	318	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	11438.60	60.96	74.00	-13.04	50.62	6.71	38.30	34.67	Peak	20	100	VERTICAL
2	11438.79	45.82	54.00	-8.18	35.48	6.71	38.30	34.67	Average	20	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15806.21	57.71	74.00	-16.29	46.28	7.95	38.45	34.97	Peak	284	128	HORIZONTAL
2	15809.50	42.83	54.00	-11.17	31.40	7.95	38.45	34.97	Average	284	128	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	15806.36	42.81	54.00	-11.19	31.38	7.95	38.45	34.97	Average	238	100	VERTICAL
2	15810.13	57.17	74.00	-16.83	45.74	7.95	38.45	34.97	Peak	238	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10620.03	38.45	54.00	-15.55	28.46	6.60	38.38	34.99	Average	57	100	HORIZONTAL
2	10622.74	52.27	74.00	-21.73	42.28	6.60	38.38	34.99	Peak	57	100	HORIZONTAL
3	15929.40	40.00	54.00	-14.00	28.70	7.99	38.36	35.05	Average	176	100	HORIZONTAL
4	15933.21	53.41	74.00	-20.59	42.14	7.99	38.36	35.08	Peak	176	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	10620.00	38.40	54.00	-15.60	28.41	6.60	38.38	34.99	Average	7	100	VERTICAL
2	10623.06	53.45	74.00	-20.55	43.46	6.60	38.38	34.99	Peak	7	100	VERTICAL
3	15926.64	54.34	74.00	-19.66	43.04	7.99	38.36	35.05	Peak	239	100	VERTICAL
4	15927.44	40.04	54.00	-13.96	28.74	7.99	38.36	35.05	Average	239	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11017.65	52.26	74.00	-21.74	42.20	6.47	38.30	34.71	Peak	223	100	HORIZONTAL
2	11019.73	38.21	54.00	-15.79	28.15	6.47	38.30	34.71	Average	223	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	11019.23	52.45	74.00	-21.55	42.39	6.47	38.30	34.71	Peak	311	100	VERTICAL
2	11019.72	38.29	54.00	-15.71	28.23	6.47	38.30	34.71	Average	311	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11097.46	52.59	74.00	-21.41	42.47	6.52	38.30	34.70	Peak	280	100	HORIZONTAL
2	11099.82	38.11	54.00	-15.89	27.99	6.52	38.30	34.70	Average	280	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	11099.83	38.26	54.00	-15.74	28.14	6.52	38.30	34.70	Average	50	100	VERTICAL
2	11103.31	52.67	74.00	-21.33	42.55	6.52	38.30	34.70	Peak	50	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11339.76	38.02	54.00	-15.98	27.75	6.65	38.30	34.68	Average	62	100	HORIZONTAL
2	11341.88	51.87	74.00	-22.13	41.59	6.65	38.30	34.67	Peak	62	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	11336.53	37.86	54.00	-16.14	27.59	6.65	38.30	34.68	Average	267	100	VERTICAL
2	11342.96	51.53	74.00	-22.47	41.25	6.65	38.30	34.67	Peak	267	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11418.73	58.18	74.00	-15.82	47.85	6.70	38.30	34.67	Peak	320	100	HORIZONTAL
2	11419.83	41.99	54.00	-12.01	31.66	6.70	38.30	34.67	Average	320	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	11418.69	59.43	74.00	-14.57	49.10	6.70	38.30	34.67	Peak	22	100	VERTICAL
2	11418.87	42.55	54.00	-11.45	32.22	6.70	38.30	34.67	Average	22	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15866.35	40.04	54.00	-13.96	28.68	7.96	38.41	35.01	Average	202	100	HORIZONTAL
2	15869.90	54.06	74.00	-19.94	42.70	7.97	38.40	35.01	Peak	202	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	15867.81	39.97	54.00	-14.03	28.61	7.97	38.40	35.01	Average	48	100	VERTICAL
2	15871.37	53.94	74.00	-20.06	42.58	7.97	38.40	35.01	Peak	48	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11058.19	52.02	74.00	-21.98	41.92	6.50	38.30	34.70	Peak	293	100	HORIZONTAL
2	11059.31	38.05	54.00	-15.95	27.95	6.50	38.30	34.70	Average	293	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	11060.01	38.11	54.00	-15.89	28.01	6.50	38.30	34.70	Average	110	100	VERTICAL
2	11061.49	52.25	74.00	-21.75	42.15	6.50	38.30	34.70	Peak	110	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11198.29	51.38	74.00	-22.62	41.19	6.58	38.30	34.69	Peak	138	100	HORIZONTAL
2	11243.40	37.82	54.00	-16.18	27.59	6.61	38.30	34.68	Average	138	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	11231.46	51.86	74.00	-22.14	41.65	6.60	38.30	34.69	Peak	282	100	VERTICAL
2	11239.07	37.85	54.00	-16.15	27.63	6.60	38.30	34.68	Average	282	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11379.82	38.44	54.00	-15.56	28.13	6.68	38.30	34.67	Average	70	100	HORIZONTAL
2	11382.69	51.82	74.00	-22.18	41.51	6.68	38.30	34.67	Peak	70	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	11377.85	38.82	54.00	-15.18	28.52	6.67	38.30	34.67	Average	315	100	VERTICAL
2	11379.35	52.68	74.00	-21.32	42.37	6.68	38.30	34.67	Peak	315	100	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15776.15	59.87	74.00	-14.13	48.38	7.93	38.48	34.92	Peak	346	100	HORIZONTAL
2	15780.19	45.10	54.00	-8.90	33.63	7.93	38.48	34.94	Average	346	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	15778.37	45.53	54.00	-8.47	34.06	7.93	38.48	34.94	Average	233	100	VERTICAL
2	15780.75	61.24	74.00	-12.76	49.77	7.93	38.48	34.94	Peak	233	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10600.03	42.25	54.00	-11.75	32.27	6.60	38.38	35.00	Average	300	100	HORIZONTAL
2	10605.64	57.33	74.00	-16.67	47.34	6.60	38.38	34.99	Peak	300	100	HORIZONTAL
3	15899.23	42.25	54.00	-11.75	30.93	7.97	38.38	35.03	Average	43	100	HORIZONTAL
4	15901.28	56.57	74.00	-17.43	45.25	7.98	38.37	35.03	Peak	43	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	10599.65	39.21	54.00	-14.79	29.23	6.60	38.38	35.00	Average	9	134	VERTICAL
2	10600.19	53.37	74.00	-20.63	43.39	6.60	38.38	35.00	Peak	9	134	VERTICAL
3	15901.57	43.53	54.00	-10.47	32.21	7.98	38.37	35.03	Average	232	106	VERTICAL
4	15904.71	58.11	74.00	-15.89	46.79	7.98	38.37	35.03	Peak	232	106	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10639.94	41.18	54.00	-12.82	31.19	6.59	38.37	34.97	Average	300	100	HORIZONTAL
2	10640.60	55.46	74.00	-18.54	45.47	6.59	38.37	34.97	Peak	300	100	HORIZONTAL
3	15960.12	40.82	54.00	-13.18	29.59	8.00	38.33	35.10	Average	81	100	HORIZONTAL
4	15961.12	54.60	74.00	-19.40	43.37	8.00	38.33	35.10	Peak	81	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	10639.87	38.84	54.00	-15.16	28.85	6.59	38.37	34.97	Average	342	100	VERTICAL
2	10641.17	53.31	74.00	-20.69	43.32	6.59	38.37	34.97	Peak	342	100	VERTICAL
3	15956.15	55.30	74.00	-18.70	44.07	8.00	38.33	35.10	Peak	249	100	VERTICAL
4	15960.72	41.16	54.00	-12.84	29.93	8.00	38.33	35.10	Average	249	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10999.90	41.24	54.00	-12.76	31.19	6.46	38.30	34.71	Average	310	111	HORIZONTAL
2	11002.00	55.13	74.00	-18.87	45.08	6.46	38.30	34.71	Peak	310	111	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	10998.92	52.56	74.00	-21.44	42.51	6.46	38.30	34.71	Peak	60	100	VERTICAL
2	11001.33	38.97	54.00	-15.03	28.92	6.46	38.30	34.71	Average	60	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11160.00	40.30	54.00	-13.70	30.13	6.56	38.30	34.69	Average	298	165	HORIZONTAL
2	11162.19	54.58	74.00	-19.42	44.41	6.56	38.30	34.69	Peak	298	165	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	11157.90	39.01	54.00	-14.99	28.84	6.56	38.30	34.69	Average	309	100	VERTICAL
2	11159.71	53.78	74.00	-20.22	43.61	6.56	38.30	34.69	Peak	309	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11397.41	52.43	74.00	-21.57	42.11	6.69	38.30	34.67	Peak	244	100	HORIZONTAL
2	11399.91	38.76	54.00	-15.24	28.44	6.69	38.30	34.67	Average	244	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	11396.12	52.32	74.00	-21.68	42.00	6.69	38.30	34.67	Peak	48	100	VERTICAL
2	11400.90	38.78	54.00	-15.22	28.46	6.69	38.30	34.67	Average	48	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11439.90	44.83	54.00	-9.17	34.49	6.71	38.30	34.67	Average	318	100	HORIZONTAL
2	11447.21	60.93	74.00	-13.07	50.58	6.72	38.30	34.67	Peak	318	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	11436.20	61.22	74.00	-12.78	50.88	6.71	38.30	34.67	Peak	22	115	VERTICAL
2	11441.20	45.40	54.00	-8.60	35.06	6.71	38.30	34.67	Average	22	115	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	15806.03	41.69	54.00	-12.31	30.26	7.95	38.45	34.97	Average	28	125	HORIZONTAL
2	15806.67	56.00	74.00	-18.00	44.57	7.95	38.45	34.97	Peak	28	125	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	15805.46	59.42	74.00	-14.58	47.99	7.95	38.45	34.97	Peak	233	100	VERTICAL
2	15805.74	43.07	54.00	-10.93	31.64	7.95	38.45	34.97	Average	233	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10619.13	52.24	74.00	-21.76	42.25	6.60	38.38	34.99	Peak	169	100	HORIZONTAL
2	10620.11	38.54	54.00	-15.46	28.55	6.60	38.38	34.99	Average	169	100	HORIZONTAL
3	15926.51	39.92	54.00	-14.08	28.62	7.99	38.36	35.05	Average	236	100	HORIZONTAL
4	15930.13	53.68	74.00	-20.32	42.38	7.99	38.36	35.05	Peak	236	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	10619.71	38.34	54.00	-15.66	28.35	6.60	38.38	34.99	Average	32	100	VERTICAL
2	10623.08	52.38	74.00	-21.62	42.39	6.60	38.38	34.99	Peak	32	100	VERTICAL
3	15925.88	39.97	54.00	-14.03	28.67	7.99	38.36	35.05	Average	109	100	VERTICAL
4	15926.47	53.95	74.00	-20.05	42.65	7.99	38.36	35.05	Peak	109	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11017.82	52.97	74.00	-21.03	42.91	6.47	38.30	34.71	Peak	160	100	HORIZONTAL
2	11019.84	38.50	54.00	-15.50	28.44	6.47	38.30	34.71	Average	160	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	11016.22	52.15	74.00	-21.85	42.09	6.47	38.30	34.71	Peak	294	100	VERTICAL
2	11019.94	38.33	54.00	-15.67	28.27	6.47	38.30	34.71	Average	294	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11097.56	38.47	54.00	-15.53	28.35	6.52	38.30	34.70	Average	278	100	HORIZONTAL
2	11098.32	52.86	74.00	-21.14	42.74	6.52	38.30	34.70	Peak	278	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	11098.31	52.59	74.00	-21.41	42.47	6.52	38.30	34.70	Peak	56	100	VERTICAL
2	11098.76	39.04	54.00	-14.96	28.92	6.52	38.30	34.70	Average	56	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11339.94	38.50	54.00	-15.50	28.23	6.65	38.30	34.68	Average	37	100	HORIZONTAL
2	11343.05	51.58	74.00	-22.42	41.30	6.65	38.30	34.67	Peak	37	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	11337.29	51.89	74.00	-22.11	41.62	6.65	38.30	34.68	Peak	327	100	VERTICAL
2	11340.00	38.40	54.00	-15.60	28.13	6.65	38.30	34.68	Average	327	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11418.65	56.84	74.00	-17.16	46.51	6.70	38.30	34.67	Peak	254	100	HORIZONTAL
2	11419.86	40.69	54.00	-13.31	30.36	6.70	38.30	34.67	Average	254	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	11419.76	58.16	74.00	-15.84	47.83	6.70	38.30	34.67	Peak	20	100	VERTICAL
2	11426.15	41.36	54.00	-12.64	31.03	6.70	38.30	34.67	Average	20	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	10578.12	53.42	74.00	-20.58	43.41	6.62	38.39	35.00	Peak	40	100	HORIZONTAL
2	10579.87	39.57	54.00	-14.43	29.58	6.61	38.38	35.00	Average	40	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	10580.36	38.87	54.00	-15.13	28.88	6.61	38.38	35.00	Average	358	100	VERTICAL
2	10583.90	52.67	74.00	-21.33	42.68	6.61	38.38	35.00	Peak	358	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11057.36	52.40	74.00	-21.60	42.30	6.50	38.30	34.70	Peak	340	100	HORIZONTAL
2	11059.96	38.52	54.00	-15.48	28.42	6.50	38.30	34.70	Average	340	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	11057.50	38.36	54.00	-15.64	28.26	6.50	38.30	34.70	Average	74	100	VERTICAL
2	11059.33	53.63	74.00	-20.37	43.53	6.50	38.30	34.70	Peak	74	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 11, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11229.46	51.47	74.00	-22.53	41.26	6.60	38.30	34.69	Peak	138	100	HORIZONTAL
2	11243.56	37.64	54.00	-16.36	27.41	6.61	38.30	34.68	Average	138	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	11232.34	51.24	74.00	-22.76	41.03	6.60	38.30	34.69	Peak	215	100	VERTICAL
2	11244.76	37.63	54.00	-16.37	27.40	6.61	38.30	34.68	Average	215	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 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	11378.44	52.83	74.00	-21.17	42.53	6.67	38.30	34.67	Peak	64	100	HORIZONTAL
2	11379.76	39.19	54.00	-14.81	28.88	6.68	38.30	34.67	Average	64	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	11376.33	52.33	74.00	-21.67	42.03	6.67	38.30	34.67	Peak	354	100	VERTICAL
2	11383.13	39.05	54.00	-14.95	28.74	6.68	38.30	34.67	Average	354	100	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15776.02	49.88	54.00	-4.12	40.86	6.14	38.11	35.23	Average	102	75	HORIZONTAL
2	15778.24	62.83	74.00	-11.17	53.82	6.14	38.11	35.24	Peak	102	75	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15778.54	59.79	74.00	-14.21	50.78	6.14	38.11	35.24	Peak	143	138	VERTICAL
2	15779.68	47.32	54.00	-6.68	38.31	6.14	38.11	35.24	Average	143	138	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10599.70	39.51	54.00	-14.49	30.83	5.01	38.92	35.25	Average	101	63	HORIZONTAL
2	10604.82	53.28	74.00	-20.72	44.58	5.01	38.92	35.23	Peak	101	63	HORIZONTAL
3	15895.10	59.81	74.00	-14.19	50.98	6.15	37.94	35.26	Peak	117	349	HORIZONTAL
4	15900.06	45.78	54.00	-8.22	36.95	6.15	37.94	35.26	Average	117	349	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.82	36.27	54.00	-17.73	27.57	5.01	38.92	35.23	Average	100	140	VERTICAL
2	10604.08	49.40	74.00	-24.60	40.70	5.01	38.92	35.23	Peak	100	140	VERTICAL
3	15895.04	59.49	74.00	-14.51	50.66	6.15	37.94	35.26	Peak	117	349	VERTICAL
4	15898.80	45.67	54.00	-8.33	36.84	6.15	37.94	35.26	Average	117	349	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.74	36.32	54.00	-17.68	27.60	5.01	38.93	35.22	Average	100	164	HORIZONTAL
2	10644.24	49.39	74.00	-24.61	40.67	5.01	38.93	35.22	Peak	100	164	HORIZONTAL
3	15956.74	39.97	54.00	-14.03	31.25	6.15	37.85	35.28	Average	100	164	HORIZONTAL
4	15961.52	53.09	74.00	-20.91	44.37	6.15	37.85	35.28	Peak	100	164	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.78	36.48	54.00	-17.52	27.76	5.01	38.93	35.22	Average	100	215	VERTICAL
2	10642.72	53.54	74.00	-20.46	44.82	5.01	38.93	35.22	Peak	100	215	VERTICAL
3	15958.52	40.13	54.00	-13.87	31.41	6.15	37.85	35.28	Average	100	207	VERTICAL
4	15959.32	53.25	74.00	-20.75	44.53	6.15	37.85	35.28	Peak	100	207	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10998.42	50.34	74.00	-23.66	41.31	5.01	39.00	34.98	Peak	100	22	HORIZONTAL
2	11002.80	37.44	54.00	-16.56	28.41	5.01	39.00	34.98	Average	100	22	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10997.82	49.50	74.00	-24.50	40.47	5.01	39.00	34.98	Peak	100	58	VERTICAL
2	11000.04	36.74	54.00	-17.26	27.71	5.01	39.00	34.98	Average	100	58	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.68	56.97	74.00	-17.03	47.80	5.04	39.13	35.00	Peak	100	111	HORIZONTAL
2	11160.90	44.06	54.00	-9.94	34.89	5.04	39.13	35.00	Average	100	111	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11160.42	42.58	54.00	-11.42	33.41	5.04	39.13	35.00	Average	100	346	VERTICAL
2	11161.16	56.65	74.00	-17.35	47.48	5.04	39.13	35.00	Peak	100	346	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11397.84	51.61	74.00	-22.39	42.23	5.10	39.32	35.04	Peak	100	61	HORIZONTAL
2	11398.62	38.01	54.00	-15.99	28.63	5.10	39.32	35.04	Average	100	61	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11398.58	38.50	54.00	-15.50	29.12	5.10	39.32	35.04	Average	100	74	VERTICAL
2	11402.20	50.67	74.00	-23.33	41.29	5.10	39.32	35.04	Peak	100	74	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.76	49.29	54.00	-4.71	39.88	5.10	39.35	35.04	Average	100	103	HORIZONTAL
2	11441.12	62.47	74.00	-11.53	53.06	5.10	39.35	35.04	Peak	100	103	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11438.64	61.81	74.00	-12.19	52.40	5.10	39.35	35.04	Peak	100	356	VERTICAL
2	11438.72	49.71	54.00	-4.29	40.30	5.10	39.35	35.04	Average	100	356	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15803.44	55.45	74.00	-18.55	46.48	6.14	38.07	35.24	Peak	100	78	HORIZONTAL
2	15804.48	42.00	54.00	-12.00	33.03	6.14	38.07	35.24	Average	100	78	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15812.20	55.28	74.00	-18.72	46.31	6.14	38.07	35.24	Peak	100	144	VERTICAL
2	15817.56	42.00	54.00	-12.00	33.06	6.14	38.04	35.24	Average	100	144	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10619.80	35.99	54.00	-18.01	27.29	5.01	38.92	35.23	Average	100	53	HORIZONTAL
2	10628.28	48.67	74.00	-25.33	39.96	5.01	38.92	35.22	Peak	100	53	HORIZONTAL
3	15923.24	39.85	54.00	-14.15	31.07	6.15	37.90	35.27	Average	100	150	HORIZONTAL
4	15934.68	52.86	74.00	-21.14	44.12	6.15	37.87	35.28	Peak	100	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10618.04	48.48	74.00	-25.52	39.78	5.01	38.92	35.23	Peak	100	192	VERTICAL
2	10626.04	35.84	54.00	-18.16	27.14	5.01	38.92	35.23	Average	100	192	VERTICAL
3	15924.24	52.91	74.00	-21.09	44.13	6.15	37.90	35.27	Peak	100	106	VERTICAL
4	15937.44	39.85	54.00	-14.15	31.11	6.15	37.87	35.28	Average	100	106	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11024.72	49.72	74.00	-24.28	40.65	5.02	39.03	34.98	Peak	100	72	HORIZONTAL
2	11028.88	40.81	54.00	-13.19	31.74	5.02	39.03	34.98	Average	100	72	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11016.52	39.91	54.00	-14.09	30.86	5.02	39.01	34.98	Average	100	116	VERTICAL
2	11024.88	50.65	74.00	-23.35	41.58	5.02	39.03	34.98	Peak	100	116	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11098.20	51.27	74.00	-22.73	42.15	5.03	39.08	34.99	Peak	100	359	HORIZONTAL
2	11107.80	38.22	54.00	-15.78	29.09	5.03	39.09	34.99	Average	100	359	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11098.92	37.56	54.00	-16.44	28.44	5.03	39.08	34.99	Average	100	295	VERTICAL
2	11106.24	50.17	74.00	-23.83	41.05	5.03	39.08	34.99	Peak	100	295	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11335.32	38.71	54.00	-15.29	29.39	5.08	39.27	35.03	Average	100	243	HORIZONTAL
2	11342.00	49.86	74.00	-24.14	40.53	5.09	39.27	35.03	Peak	100	243	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11335.28	38.49	54.00	-15.51	29.17	5.08	39.27	35.03	Average	100	142	VERTICAL
2	11347.68	49.88	74.00	-24.12	40.54	5.09	39.28	35.03	Peak	100	142	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11423.16	58.13	74.00	-15.87	48.74	5.10	39.33	35.04	Peak	100	104	HORIZONTAL
2	11427.88	43.91	54.00	-10.09	34.52	5.10	39.33	35.04	Average	100	104	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11418.68	59.48	74.00	-14.52	50.09	5.10	39.33	35.04	Peak	100	360	VERTICAL
2	11422.64	44.70	54.00	-9.30	35.31	5.10	39.33	35.04	Average	100	360	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15873.56	53.22	74.00	-20.78	44.37	6.14	37.97	35.26	Peak	100	59	HORIZONTAL
2	15878.52	40.71	54.00	-13.29	31.86	6.14	37.97	35.26	Average	100	59	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15877.88	40.40	54.00	-13.60	31.55	6.14	37.97	35.26	Average	100	128	VERTICAL
2	15879.36	53.51	74.00	-20.49	44.65	6.15	37.97	35.26	Peak	100	128	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11053.04	37.07	54.00	-16.93	28.00	5.02	39.04	34.99	Average	100	182	HORIZONTAL
2	11057.52	50.12	74.00	-23.88	41.04	5.02	39.05	34.99	Peak	100	182	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11061.36	37.05	54.00	-16.95	27.96	5.03	39.05	34.99	Average	100	109	VERTICAL
2	11063.16	50.17	74.00	-23.83	41.08	5.03	39.05	34.99	Peak	100	109	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11216.60	50.93	74.00	-23.07	41.71	5.06	39.17	35.01	Peak	100	145	HORIZONTAL
2	11219.23	37.68	54.00	-16.32	28.46	5.06	39.17	35.01	Average	100	145	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11219.23	51.29	74.00	-22.71	42.07	5.06	39.17	35.01	Peak	100	306	VERTICAL
2	11228.14	37.46	54.00	-16.54	28.22	5.06	39.19	35.01	Average	100	306	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11375.88	53.31	74.00	-20.69	43.96	5.09	39.29	35.03	Peak	100	83	HORIZONTAL
2	11380.84	39.97	54.00	-14.03	30.60	5.09	39.31	35.03	Average	100	83	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11378.44	40.78	54.00	-13.22	31.43	5.09	39.29	35.03	Average	100	1	VERTICAL
2	11379.08	53.83	74.00	-20.17	44.46	5.09	39.31	35.03	Peak	100	1	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15796.76	53.65	74.00	-20.35	44.66	6.14	38.09	35.24	Peak	100	31	HORIZONTAL
2	15804.78	40.73	54.00	-13.27	31.76	6.14	38.07	35.24	Average	100	31	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15800.34	52.95	74.00	-21.05	43.98	6.14	38.07	35.24	Peak	100	198	VERTICAL
2	15805.00	40.68	54.00	-13.32	31.71	6.14	38.07	35.24	Average	100	198	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.00	54.46	74.00	-19.54	45.78	5.01	38.92	35.25	Peak	100	279	HORIZONTAL
2	10600.12	41.48	54.00	-12.52	32.80	5.01	38.92	35.25	Average	100	279	HORIZONTAL
3	15897.12	44.69	54.00	-9.31	35.86	6.15	37.94	35.26	Average	101	58	HORIZONTAL
4	15897.16	58.39	74.00	-15.61	49.56	6.15	37.94	35.26	Peak	101	58	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10601.46	39.19	54.00	-14.81	30.49	5.01	38.92	35.23	Average	101	0	VERTICAL
2	10601.94	52.87	74.00	-21.13	44.17	5.01	38.92	35.23	Peak	101	0	VERTICAL
3	15896.18	45.60	54.00	-8.40	36.77	6.15	37.94	35.26	Average	101	219	VERTICAL
4	15898.28	57.92	74.00	-16.08	49.09	6.15	37.94	35.26	Peak	101	219	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.84	38.33	54.00	-15.67	29.61	5.01	38.93	35.22	Average	100	318	HORIZONTAL
2	10639.88	51.61	74.00	-22.39	42.89	5.01	38.93	35.22	Peak	100	318	HORIZONTAL
3	15957.88	40.47	54.00	-13.53	31.75	6.15	37.85	35.28	Average	100	63	HORIZONTAL
4	15958.28	53.73	74.00	-20.27	45.01	6.15	37.85	35.28	Peak	100	63	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.80	35.94	54.00	-18.06	27.22	5.01	38.93	35.22	Average	100	220	VERTICAL
2	10644.74	49.08	74.00	-24.92	40.36	5.01	38.93	35.22	Peak	100	220	VERTICAL
3	15956.80	40.18	54.00	-13.82	31.46	6.15	37.85	35.28	Average	100	295	VERTICAL
4	15959.98	52.64	74.00	-21.36	43.92	6.15	37.85	35.28	Peak	100	295	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11000.14	36.90	54.00	-17.10	27.87	5.01	39.00	34.98	Average	100	269	HORIZONTAL
2	11002.00	49.75	74.00	-24.25	40.72	5.01	39.00	34.98	Peak	100	269	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10997.38	50.22	74.00	-23.78	41.19	5.01	39.00	34.98	Peak	100	250	VERTICAL
2	10999.76	36.82	54.00	-17.18	27.79	5.01	39.00	34.98	Average	100	250	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.90	62.75	74.00	-11.25	53.58	5.04	39.13	35.00	Peak	101	296	HORIZONTAL
2	11161.06	46.20	54.00	-7.80	37.03	5.04	39.13	35.00	Average	101	296	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.94	57.89	74.00	-16.11	48.72	5.04	39.13	35.00	Peak	101	210	VERTICAL
2	11160.52	43.49	54.00	-10.51	34.32	5.04	39.13	35.00	Average	101	210	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11396.38	50.63	74.00	-23.37	41.25	5.10	39.32	35.04	Peak	101	279	HORIZONTAL
2	11399.70	37.98	54.00	-16.02	28.60	5.10	39.32	35.04	Average	101	279	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11395.26	37.47	54.00	-16.53	28.10	5.10	39.31	35.04	Average	101	243	VERTICAL
2	11401.98	50.16	74.00	-23.84	40.78	5.10	39.32	35.04	Peak	101	243	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.98	64.03	74.00	-9.97	54.62	5.10	39.35	35.04	Peak	101	82	HORIZONTAL
2	11440.00	46.88	54.00	-7.12	37.47	5.10	39.35	35.04	Average	101	82	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.88	62.49	74.00	-11.51	53.08	5.10	39.35	35.04	Peak	101	284	VERTICAL
2	11441.86	46.12	54.00	-7.88	36.71	5.10	39.35	35.04	Average	101	284	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15809.82	42.41	54.00	-11.59	33.44	6.14	38.07	35.24	Average	111	70	HORIZONTAL
2	15812.90	55.37	74.00	-18.63	46.40	6.14	38.07	35.24	Peak	111	70	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15812.98	41.28	54.00	-12.72	32.31	6.14	38.07	35.24	Average	111	29	VERTICAL
2	15813.96	54.21	74.00	-19.79	45.24	6.14	38.07	35.24	Peak	111	29	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10618.62	49.30	74.00	-24.70	40.60	5.01	38.92	35.23	Peak	100	90	HORIZONTAL
2	10620.00	35.93	54.00	-18.07	27.23	5.01	38.92	35.23	Average	100	90	HORIZONTAL
3	15932.22	39.96	54.00	-14.04	31.19	6.15	37.90	35.28	Average	100	123	HORIZONTAL
4	15932.42	53.10	74.00	-20.90	44.33	6.15	37.90	35.28	Peak	100	123	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10616.78	35.55	54.00	-18.45	26.85	5.01	38.92	35.23	Average	100	75	VERTICAL
2	10622.10	48.75	74.00	-25.25	40.05	5.01	38.92	35.23	Peak	100	75	VERTICAL
3	15926.68	54.17	74.00	-19.83	45.39	6.15	37.90	35.27	Peak	100	146	VERTICAL
4	15934.70	39.89	54.00	-14.11	31.15	6.15	37.87	35.28	Average	100	146	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11015.42	36.91	54.00	-17.09	27.86	5.02	39.01	34.98	Average	100	150	HORIZONTAL
2	11017.10	50.61	74.00	-23.39	41.56	5.02	39.01	34.98	Peak	100	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11015.88	50.37	74.00	-23.63	41.32	5.02	39.01	34.98	Peak	100	205	VERTICAL
2	11016.10	36.76	54.00	-17.24	27.71	5.02	39.01	34.98	Average	100	205	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11099.98	58.25	74.00	-15.75	49.13	5.03	39.08	34.99	Peak	100	296	HORIZONTAL
2	11102.22	40.84	54.00	-13.16	31.72	5.03	39.08	34.99	Average	100	296	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11099.84	39.96	54.00	-14.04	30.84	5.03	39.08	34.99	Average	100	8	VERTICAL
2	11099.90	55.66	74.00	-18.34	46.54	5.03	39.08	34.99	Peak	100	8	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11338.32	50.52	74.00	-23.48	41.20	5.08	39.27	35.03	Peak	100	345	HORIZONTAL
2	11338.64	38.48	54.00	-15.52	29.16	5.08	39.27	35.03	Average	100	345	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11342.34	50.06	74.00	-23.94	40.73	5.09	39.27	35.03	Peak	100	287	VERTICAL
2	11342.38	37.71	54.00	-16.29	28.38	5.09	39.27	35.03	Average	100	287	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11419.90	61.03	74.00	-12.97	51.64	5.10	39.33	35.04	Peak	100	304	HORIZONTAL
2	11422.84	44.61	54.00	-9.39	35.22	5.10	39.33	35.04	Average	100	304	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11418.30	55.67	74.00	-18.33	46.28	5.10	39.33	35.04	Peak	100	235	VERTICAL
2	11419.14	43.06	54.00	-10.94	33.67	5.10	39.33	35.04	Average	100	235	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15873.62	53.47	74.00	-20.53	44.62	6.14	37.97	35.26	Peak	100	295	HORIZONTAL
2	15873.74	40.37	54.00	-13.63	31.52	6.14	37.97	35.26	Average	100	295	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15869.70	40.37	54.00	-13.63	31.52	6.14	37.97	35.26	Average	100	161	VERTICAL
2	15869.92	53.36	74.00	-20.64	44.51	6.14	37.97	35.26	Peak	100	161	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11060.26	37.23	54.00	-16.77	28.14	5.03	39.05	34.99	Average	100	123	HORIZONTAL
2	11060.72	50.91	74.00	-23.09	41.82	5.03	39.05	34.99	Peak	100	123	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11062.12	51.15	74.00	-22.85	42.06	5.03	39.05	34.99	Peak	100	160	VERTICAL
2	11063.34	37.26	54.00	-16.74	28.17	5.03	39.05	34.99	Average	100	160	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11219.58	53.30	74.00	-20.70	44.08	5.06	39.17	35.01	Peak	100	302	HORIZONTAL
2	11228.75	39.36	54.00	-14.64	30.12	5.06	39.19	35.01	Average	100	302	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11228.75	52.45	74.00	-21.55	43.21	5.06	39.19	35.01	Peak	100	352	VERTICAL
2	11229.81	39.43	54.00	-14.57	30.19	5.06	39.19	35.01	Average	100	352	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 12, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11380.92	40.45	54.00	-13.55	31.08	5.09	39.31	35.03	Average	100	233	HORIZONTAL
2	11385.00	53.40	74.00	-20.60	44.03	5.09	39.31	35.03	Peak	100	233	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11375.88	39.81	54.00	-14.19	30.46	5.09	39.29	35.03	Average	105	360	VERTICAL
2	11383.62	52.37	74.00	-21.63	43.00	5.09	39.31	35.03	Peak	105	360	VERTICAL

Note:

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

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

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

4.6. Band Edge Emissions Measurement

4.6.1. Limit

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

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

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

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

4.6.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 10Hz for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for Peak

4.6.3. Test Procedures

1. The test procedure is the same as section 4.5.3, only the frequency range investigated is limited to 100MHz around bandedges.

4.6.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.5.4.

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

For STBC mode:

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

<For Non-Beamforming Mode>

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 2
Test Date	Jun. 03, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5131.57	64.55	74.00	-9.45	61.94	3.43	34.09	34.91	Peak	116	245	VERTICAL
2	5132.37	52.64	54.00	-1.36	50.03	3.43	34.09	34.91	Average	116	245	VERTICAL
3	5256.80	121.69			118.89	3.46	34.25	34.91	Peak	116	245	VERTICAL
4	5258.40	110.16			107.36	3.46	34.25	34.91	Average	116	245	VERTICAL
5	5374.84	50.44	54.00	-3.56	47.45	3.50	34.41	34.92	Average	116	245	VERTICAL
6	5376.44	62.45	74.00	-11.55	59.46	3.50	34.41	34.92	Peak	116	245	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5298.40	108.47			105.58	3.48	34.32	34.91	Average	100	299	VERTICAL
2	5298.40	119.72			116.83	3.48	34.32	34.91	Peak	100	299	VERTICAL
3	5350.00	52.75	54.00	-1.25	49.78	3.49	34.39	34.91	Average	100	299	VERTICAL
4	5352.24	69.32	74.00	-4.68	66.35	3.49	34.39	34.91	Peak	100	299	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5321.28	105.65			102.74	3.48	34.34	34.91	Average	100	300	VERTICAL
2	5322.56	117.14			114.22	3.49	34.34	34.91	Peak	100	300	VERTICAL
3	5350.00	52.59	54.00	-1.41	49.62	3.49	34.39	34.91	Average	100	300	VERTICAL
4	5351.92	70.30	74.00	-3.70	67.33	3.49	34.39	34.91	Peak	100	300	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 2
Test Date	Jun. 03, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.40	46.92	54.00	-7.08	43.79	3.52	34.53	34.92	Average	100	122	VERTICAL
2	5458.40	66.47	74.00	-7.53	63.34	3.52	34.53	34.92	Peak	100	122	VERTICAL
3	5467.76	72.51	74.00	-1.49	69.36	3.52	34.55	34.92	Peak	100	122	VERTICAL
4	5470.00	50.65	54.00	-3.35	47.50	3.52	34.55	34.92	Average	100	122	VERTICAL
5	5501.28	104.67			101.45	3.54	34.60	34.92	Average	100	122	VERTICAL
6	5502.24	116.30			113.08	3.54	34.60	34.92	Peak	100	122	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5457.98	52.42	54.00	-1.58	49.29	3.52	34.53	34.92	Average	100	57	VERTICAL
2	5460.00	63.06	74.00	-10.94	59.93	3.52	34.53	34.92	Peak	100	57	VERTICAL
3	5460.39	52.69	54.00	-1.31	49.56	3.52	34.53	34.92	Average	100	57	VERTICAL
4	5467.60	64.05	74.00	-9.95	60.90	3.52	34.55	34.92	Peak	100	57	VERTICAL
5	5581.60	105.45			102.19	3.56	34.63	34.93	Average	100	57	VERTICAL
6	5581.60	115.19			111.93	3.56	34.63	34.93	Peak	100	57	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5697.92	112.85			109.52	3.59	34.68	34.94	Peak	124	243	VERTICAL
2	5698.56	101.08			97.75	3.59	34.68	34.94	Average	124	243	VERTICAL
3	5725.00	48.25	54.00	-5.75	44.90	3.60	34.69	34.94	Average	124	243	VERTICAL
4	5725.16	72.31	74.00	-1.69	68.96	3.60	34.69	34.94	Peak	124	243	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5720.80	118.75			115.40	3.60	34.69	34.94	Peak	100	62	VERTICAL
2	5721.60	107.78			104.43	3.60	34.69	34.94	Average	100	62	VERTICAL
3	5850.00	49.02	54.00	-4.98	45.59	3.64	34.74	34.95	Average	100	62	VERTICAL
4	5850.00	60.97	74.00	-13.03	57.54	3.64	34.74	34.95	Peak	100	62	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 2
Test Date	Jun. 03, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5273.85	104.26			101.43	3.47	34.27	34.91	Average	100	299	VERTICAL
2	5274.49	117.40			114.57	3.47	34.27	34.91	Peak	100	299	VERTICAL
3	5351.60	52.78	54.00	-1.22	49.81	3.49	34.39	34.91	Average	100	299	VERTICAL
4	5353.53	68.63	74.00	-5.37	65.66	3.49	34.39	34.91	Peak	100	299	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5314.17	109.43			106.52	3.48	34.34	34.91	Peak	101	57	VERTICAL
2	5314.49	97.67			94.76	3.48	34.34	34.91	Average	101	57	VERTICAL
3	5350.00	52.74	54.00	-1.26	49.77	3.49	34.39	34.91	Average	101	57	VERTICAL
4	5351.92	69.87	74.00	-4.13	66.90	3.49	34.39	34.91	Peak	101	57	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 2
Test Date	Jun. 03, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.72	48.09	54.00	-5.91	44.96	3.52	34.53	34.92	Average	100	54	VERTICAL
2	5458.72	70.66	74.00	-3.34	67.53	3.52	34.53	34.92	Peak	100	54	VERTICAL
3	5469.04	72.41	74.00	-1.59	69.26	3.52	34.55	34.92	Peak	100	54	VERTICAL
4	5470.00	51.70	54.00	-2.30	48.55	3.52	34.55	34.92	Average	100	54	VERTICAL
5	5514.49	98.27			95.04	3.54	34.61	34.92	Average	100	54	VERTICAL
6	5524.42	110.95			107.72	3.54	34.61	34.92	Peak	100	54	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.08	69.49	74.00	-4.51	66.36	3.52	34.53	34.92	Peak	100	124	VERTICAL
2	5460.00	51.82	54.00	-2.18	48.69	3.52	34.53	34.92	Average	100	124	VERTICAL
3	5465.67	52.92	54.00	-1.08	49.77	3.52	34.55	34.92	Average	100	124	VERTICAL
4	5468.56	70.30	74.00	-3.70	67.15	3.52	34.55	34.92	Peak	100	124	VERTICAL
5	5554.81	103.18			99.94	3.55	34.62	34.93	Average	100	124	VERTICAL
6	5554.81	115.45			112.21	3.55	34.62	34.93	Peak	100	124	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5681.86	109.94			106.62	3.59	34.67	34.94	Peak	100	107	VERTICAL
2	5683.78	100.12			96.79	3.59	34.68	34.94	Average	100	107	VERTICAL
3	5725.00	52.23	54.00	-1.77	48.88	3.60	34.69	34.94	Average	100	107	VERTICAL
4	5726.28	69.31	74.00	-4.69	65.96	3.60	34.69	34.94	Peak	100	107	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.81	103.33			99.99	3.60	34.68	34.94	Average	101	250	VERTICAL
2	5718.01	115.59			112.24	3.60	34.69	34.94	Peak	101	250	VERTICAL
3	5866.03	66.94	68.20	-1.26	63.50	3.65	34.74	34.95	Peak	101	250	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 2
Test Date	Jun. 03, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5143.59	54.83	74.00	-19.17	52.20	3.43	34.11	34.91	Peak	100	301	VERTICAL
2	5150.00	43.63	54.00	-10.37	41.00	3.43	34.11	34.91	Average	100	301	VERTICAL
3	5283.59	92.18			89.32	3.47	34.30	34.91	Average	100	301	VERTICAL
4	5285.99	105.62			102.76	3.47	34.30	34.91	Peak	100	301	VERTICAL
5	5353.21	52.40	54.00	-1.60	49.43	3.49	34.39	34.91	Average	100	301	VERTICAL
6	5354.01	68.85	74.00	-5.15	65.88	3.49	34.39	34.91	Peak	100	301	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5452.79	72.48	74.00	-1.52	69.35	3.52	34.53	34.92	Peak	100	58	VERTICAL
2	5460.00	51.19	54.00	-2.81	48.06	3.52	34.53	34.92	Average	100	58	VERTICAL
3	5467.60	71.94	74.00	-2.06	68.79	3.52	34.55	34.92	Peak	100	58	VERTICAL
4	5470.00	52.36	54.00	-1.64	49.21	3.52	34.55	34.92	Average	100	58	VERTICAL
5	5541.22	93.31			90.07	3.55	34.61	34.92	Average	100	58	VERTICAL
6	5546.03	106.38			103.14	3.55	34.61	34.92	Peak	100	58	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 2
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	51.22	54.00	-2.78	48.09	3.52	34.53	34.92	Average	100	146	VERTICAL
2	5460.00	67.27	74.00	-6.73	64.14	3.52	34.53	34.92	Peak	100	146	VERTICAL
3	5468.40	67.40	74.00	-6.60	64.25	3.52	34.55	34.92	Peak	100	146	VERTICAL
4	5470.00	52.62	54.00	-1.38	49.47	3.52	34.55	34.92	Average	100	146	VERTICAL
5	5596.38	95.38			92.12	3.56	34.63	34.93	Average	100	146	VERTICAL
6	5600.39	107.95			104.68	3.56	34.64	34.93	Peak	100	146	VERTICAL
7	5725.00	51.40	54.00	-2.60	48.05	3.60	34.69	34.94	Average	100	146	VERTICAL
8	5726.60	64.22	74.00	-9.78	60.87	3.60	34.69	34.94	Peak	100	146	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.01	97.66			94.33	3.59	34.68	34.94	Average	106	59	VERTICAL
2	5701.22	111.96			108.63	3.59	34.68	34.94	Peak	106	59	VERTICAL
3	5850.00	52.57	54.00	-1.43	49.14	3.64	34.74	34.95	Average	106	59	VERTICAL
4	5851.60	68.25	74.00	-5.75	64.82	3.64	34.74	34.95	Peak	106	59	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5141.00	52.55	54.00	-1.45	49.92	3.43	34.11	34.91	Average	100	119	VERTICAL
2	5143.00	63.59	74.00	-10.41	60.96	3.43	34.11	34.91	Peak	100	119	VERTICAL
3	5261.00	107.96			105.14	3.46	34.27	34.91	Average	100	119	VERTICAL
4	5264.00	118.78			115.96	3.46	34.27	34.91	Peak	100	119	VERTICAL
5	5373.00	51.54	54.00	-2.46	48.55	3.49	34.41	34.91	Average	100	119	VERTICAL
6	5378.00	62.49	74.00	-11.51	59.47	3.50	34.44	34.92	Peak	100	119	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5299.20	106.26			103.37	3.48	34.32	34.91	Average	100	54	VERTICAL
2	5301.20	116.74			113.85	3.48	34.32	34.91	Peak	100	54	VERTICAL
3	5371.20	65.48	74.00	-8.52	62.49	3.49	34.41	34.91	Peak	100	54	VERTICAL
4	5381.60	52.83	54.00	-1.17	49.81	3.50	34.44	34.92	Average	100	54	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5321.20	105.33			102.42	3.48	34.34	34.91	Average	101	127	VERTICAL
2	5321.20	117.34			114.43	3.48	34.34	34.91	Peak	101	127	VERTICAL
3	5351.20	52.65	54.00	-1.35	49.68	3.49	34.39	34.91	Average	101	127	VERTICAL
4	5352.00	71.26	74.00	-2.74	68.29	3.49	34.39	34.91	Peak	101	127	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5421.00	49.04	54.00	-4.96	45.97	3.51	34.48	34.92	Average	100	54	VERTICAL
2	5453.00	63.11	74.00	-10.89	59.98	3.52	34.53	34.92	Peak	100	54	VERTICAL
3	5469.00	51.30	54.00	-2.70	48.15	3.52	34.55	34.92	Average	100	54	VERTICAL
4	5469.00	72.60	74.00	-1.40	69.45	3.52	34.55	34.92	Peak	100	54	VERTICAL
5	5498.80	115.94			112.73	3.53	34.60	34.92	Peak	100	54	VERTICAL
6	5499.00	104.90			101.69	3.53	34.60	34.92	Average	100	54	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5456.00	61.90	74.00	-12.10	58.77	3.52	34.53	34.92	Peak	100	289	VERTICAL
2	5459.00	52.38	54.00	-1.62	49.25	3.52	34.53	34.92	Average	100	289	VERTICAL
3	5461.00	52.82	54.00	-1.18	49.69	3.52	34.53	34.92	Average	100	289	VERTICAL
4	5464.00	62.33	74.00	-11.67	59.18	3.52	34.55	34.92	Peak	100	289	VERTICAL
5	5574.00	116.04			112.79	3.55	34.63	34.93	Peak	100	289	VERTICAL
6	5579.00	106.23			102.97	3.56	34.63	34.93	Average	100	289	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.20	112.98			109.65	3.59	34.68	34.94	Peak	100	57	VERTICAL
2	5700.80	102.12			98.79	3.59	34.68	34.94	Average	100	57	VERTICAL
3	5725.80	50.23	54.00	-3.77	46.88	3.60	34.69	34.94	Average	100	57	VERTICAL
4	5726.00	72.61	74.00	-1.39	69.26	3.60	34.69	34.94	Peak	100	57	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jun. 10, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5722.00	110.83			107.48	3.60	34.69	34.94	Average	100	303	VERTICAL
2	5722.00	121.44			118.09	3.60	34.69	34.94	Peak	100	303	VERTICAL
3	5850.00	66.76	68.20	-1.44	63.33	3.64	34.74	34.95	Average	100	303	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5257.60	115.19			112.39	3.46	34.25	34.91	Peak	100	245	VERTICAL
2	5274.80	103.13			100.30	3.47	34.27	34.91	Average	100	245	VERTICAL
3	5350.40	68.56	74.00	-5.44	65.59	3.49	34.39	34.91	Peak	100	245	VERTICAL
4	5352.40	52.84	54.00	-1.16	49.87	3.49	34.39	34.91	Average	100	245	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5297.20	98.05			95.16	3.48	34.32	34.91	Average	100	239	VERTICAL
2	5297.60	110.01			107.12	3.48	34.32	34.91	Peak	100	239	VERTICAL
3	5350.00	52.69	54.00	-1.31	49.72	3.49	34.39	34.91	Average	100	239	VERTICAL
4	5352.00	70.75	74.00	-3.25	67.78	3.49	34.39	34.91	Peak	100	239	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.60	47.57	54.00	-6.43	44.44	3.52	34.53	34.92	Average	100	307	VERTICAL
2	5459.60	65.40	74.00	-8.60	62.27	3.52	34.53	34.92	Peak	100	307	VERTICAL
3	5469.60	70.05	74.00	-3.95	66.90	3.52	34.55	34.92	Peak	100	307	VERTICAL
4	5470.00	52.99	54.00	-1.01	49.84	3.52	34.55	34.92	Average	100	307	VERTICAL
5	5504.80	99.12			95.90	3.54	34.60	34.92	Average	100	307	VERTICAL
6	5514.80	111.11			107.88	3.54	34.61	34.92	Peak	100	307	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	47.37	54.00	-6.63	44.24	3.52	34.53	34.92	Average	100	306	VERTICAL
2	5460.00	63.84	74.00	-10.16	60.71	3.52	34.53	34.92	Peak	100	306	VERTICAL
3	5470.00	52.46	54.00	-1.54	49.31	3.52	34.55	34.92	Average	100	306	VERTICAL
4	5470.00	72.12	74.00	-1.88	68.97	3.52	34.55	34.92	Peak	100	306	VERTICAL
5	5514.80	111.04			107.81	3.54	34.61	34.92	Peak	100	306	VERTICAL
6	5515.20	98.82			95.59	3.54	34.61	34.92	Average	100	306	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5663.60	112.68			109.36	3.59	34.66	34.93	Peak	100	58	VERTICAL
2	5666.00	101.51			98.19	3.59	34.66	34.93	Average	100	58	VERTICAL
3	5725.80	52.35	54.00	-1.65	49.00	3.60	34.69	34.94	Average	100	58	VERTICAL
4	5726.20	71.39	74.00	-2.61	68.04	3.60	34.69	34.94	Peak	100	58	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jun. 10, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5696.00	117.82			114.49	3.59	34.68	34.94	Peak	100	310	VERTICAL
2	5697.00	105.91			102.58	3.59	34.68	34.94	Average	100	310	VERTICAL
3	5856.00	66.89	68.20	-1.31	63.46	3.64	34.74	34.95	Peak	100	310	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5297.00	106.26			103.37	3.48	34.32	34.91	Peak	100	238	VERTICAL
2	5299.00	93.59			90.70	3.48	34.32	34.91	Average	100	238	VERTICAL
3	5350.00	52.65	54.00	-1.35	49.68	3.49	34.39	34.91	Average	100	238	VERTICAL
4	5357.00	67.62	74.00	-6.38	64.65	3.49	34.39	34.91	Peak	100	238	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5453.50	49.12	54.00	-4.88	45.99	3.52	34.53	34.92	Average	100	56	VERTICAL
2	5454.00	65.52	74.00	-8.48	62.39	3.52	34.53	34.92	Peak	100	56	VERTICAL
3	5468.00	52.49	54.00	-1.51	49.34	3.52	34.55	34.92	Average	100	56	VERTICAL
4	5469.00	68.22	74.00	-5.78	65.07	3.52	34.55	34.92	Peak	100	56	VERTICAL
5	5536.00	106.40			103.16	3.55	34.61	34.92	Peak	100	56	VERTICAL
6	5539.00	94.45			91.21	3.55	34.61	34.92	Average	100	56	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5436.00	61.38	74.00	-12.62	58.27	3.52	34.51	34.92	Peak	100	58	VERTICAL
2	5453.00	47.60	54.00	-6.40	44.47	3.52	34.53	34.92	Average	100	58	VERTICAL
3	5463.00	63.88	74.00	-10.12	60.73	3.52	34.55	34.92	Peak	100	58	VERTICAL
4	5466.00	49.82	54.00	-4.18	46.67	3.52	34.55	34.92	Average	100	58	VERTICAL
5	5599.00	97.64			94.37	3.56	34.64	34.93	Average	100	58	VERTICAL
6	5599.00	110.14			106.87	3.56	34.64	34.93	Peak	100	58	VERTICAL
7	5726.00	52.45	54.00	-1.55	49.10	3.60	34.69	34.94	Average	100	58	VERTICAL
8	5732.00	66.53	74.00	-7.47	63.17	3.61	34.69	34.94	Peak	100	58	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5661.00	99.45			96.13	3.59	34.66	34.93	Average	100	57	VERTICAL
2	5664.00	112.88			109.56	3.59	34.66	34.93	Peak	100	57	VERTICAL
3	5851.00	52.45	54.00	-1.55	49.02	3.64	34.74	34.95	Average	100	57	VERTICAL
4	5858.00	67.50	74.00	-6.50	64.06	3.65	34.74	34.95	Peak	100	57	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.39	52.12	54.00	-1.88	49.49	3.43	34.11	34.91	Average	100	298	VERTICAL
2	5144.39	64.52	74.00	-9.48	61.89	3.43	34.11	34.91	Peak	100	298	VERTICAL
3	5255.19	110.74			107.94	3.46	34.25	34.91	Average	100	298	VERTICAL
4	5265.61	120.88			118.06	3.46	34.27	34.91	Peak	100	298	VERTICAL
5	5385.26	52.77	54.00	-1.23	49.75	3.50	34.44	34.92	Average	100	298	VERTICAL
6	5386.06	64.60	74.00	-9.40	61.58	3.50	34.44	34.92	Peak	100	298	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.39	48.96	54.00	-5.04	46.33	3.43	34.11	34.91	Average	100	298	VERTICAL
2	5144.39	59.10	74.00	-14.90	56.47	3.43	34.11	34.91	Peak	100	298	VERTICAL
3	5304.81	108.77			105.88	3.48	34.32	34.91	Average	100	298	VERTICAL
4	5304.81	119.30			116.41	3.48	34.32	34.91	Peak	100	298	VERTICAL
5	5379.65	64.41	74.00	-9.59	61.39	3.50	34.44	34.92	Peak	100	298	VERTICAL
6	5385.26	52.64	54.00	-1.36	49.62	3.50	34.44	34.92	Average	100	298	VERTICAL

Item 3, 4 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5094.71	56.38	74.00	-17.62	53.82	3.42	34.04	34.90	Peak	100	299	VERTICAL
2	5150.00	44.47	54.00	-9.53	41.84	3.43	34.11	34.91	Average	100	299	VERTICAL
3	5315.19	118.74			115.83	3.48	34.34	34.91	Peak	100	299	VERTICAL
4	5324.81	107.97			105.05	3.49	34.34	34.91	Average	100	299	VERTICAL
5	5350.00	67.52	74.00	-6.48	64.55	3.49	34.39	34.91	Peak	100	299	VERTICAL
6	5350.80	52.57	54.00	-1.43	49.60	3.49	34.39	34.91	Average	100	299	VERTICAL

Item 3, 4 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5380.67	49.14	54.00	-4.86	46.12	3.50	34.44	34.92	Average	100	27	VERTICAL
2	5455.99	65.32	74.00	-8.68	62.19	3.52	34.53	34.92	Peak	100	27	VERTICAL
3	5470.00	51.79	54.00	-2.21	48.64	3.52	34.55	34.92	Average	100	27	VERTICAL
4	5470.00	72.96	74.00	-1.04	69.81	3.52	34.55	34.92	Peak	100	27	VERTICAL
5	5501.60	106.88			103.66	3.54	34.60	34.92	Average	100	27	VERTICAL
6	5502.40	117.31			114.09	3.54	34.60	34.92	Peak	100	27	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5455.19	63.83	74.00	-10.17	60.70	3.52	34.53	34.92	Peak	100	55	VERTICAL
2	5458.40	52.47	54.00	-1.53	49.34	3.52	34.53	34.92	Average	100	55	VERTICAL
3	5465.19	63.59	74.00	-10.41	60.44	3.52	34.55	34.92	Peak	100	55	VERTICAL
4	5467.60	52.87	54.00	-1.13	49.72	3.52	34.55	34.92	Average	100	55	VERTICAL
5	5578.40	106.82			103.56	3.56	34.63	34.93	Average	100	55	VERTICAL
6	5579.20	117.91			114.65	3.56	34.63	34.93	Peak	100	55	VERTICAL
7	5725.00	44.58	54.00	-9.42	41.23	3.60	34.69	34.94	Average	100	55	VERTICAL
8	5725.00	55.09	74.00	-18.91	51.74	3.60	34.69	34.94	Peak	100	55	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.40	106.04			102.71	3.59	34.68	34.94	Average	100	296	VERTICAL
2	5698.40	117.04			113.71	3.59	34.68	34.94	Peak	100	296	VERTICAL
3	5728.21	48.85	54.00	-5.15	45.50	3.60	34.69	34.94	Average	100	296	VERTICAL
4	5728.21	72.73	74.00	-1.27	69.38	3.60	34.69	34.94	Peak	100	296	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5718.40	112.39			109.04	3.60	34.69	34.94	Average	100	59	VERTICAL
2	5719.20	123.28			119.93	3.60	34.69	34.94	Peak	100	59	VERTICAL
3	5958.97	63.36	68.20	-4.84	59.86	3.67	34.79	34.96	Peak	100	59	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.19	51.36	54.00	-2.64	48.73	3.43	34.11	34.91	Average	100	299	VERTICAL
2	5149.20	63.54	74.00	-10.46	60.91	3.43	34.11	34.91	Peak	100	299	VERTICAL
3	5274.81	107.26			104.43	3.47	34.27	34.91	Average	100	299	VERTICAL
4	5274.81	118.53			115.70	3.47	34.27	34.91	Peak	100	299	VERTICAL
5	5350.00	67.86	74.00	-6.14	64.89	3.49	34.39	34.91	Peak	100	299	VERTICAL
6	5354.81	52.44	54.00	-1.56	49.47	3.49	34.39	34.91	Average	100	299	VERTICAL

Item 3, 4 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5314.81	100.06			97.15	3.48	34.34	34.91	Average	100	297	VERTICAL
2	5319.62	111.30			108.39	3.48	34.34	34.91	Peak	100	297	VERTICAL
3	5350.00	52.49	54.00	-1.51	49.52	3.49	34.39	34.91	Average	100	297	VERTICAL
4	5350.00	66.38	74.00	-7.62	63.41	3.49	34.39	34.91	Peak	100	297	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	49.22	54.00	-4.78	46.09	3.52	34.53	34.92	Average	100	29	VERTICAL
2	5460.00	67.49	74.00	-6.51	64.36	3.52	34.53	34.92	Peak	100	29	VERTICAL
3	5466.80	52.25	54.00	-1.75	49.10	3.52	34.55	34.92	Average	100	29	VERTICAL
4	5467.60	72.61	74.00	-1.39	69.46	3.52	34.55	34.92	Peak	100	29	VERTICAL
5	5516.41	102.28			99.05	3.54	34.61	34.92	Average	100	29	VERTICAL
6	5516.41	112.90			109.67	3.54	34.61	34.92	Peak	100	29	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5456.80	50.21	54.00	-3.79	47.08	3.52	34.53	34.92	Average	101	231	VERTICAL
2	5456.80	65.69	74.00	-8.31	62.56	3.52	34.53	34.92	Peak	101	231	VERTICAL
3	5466.80	52.52	54.00	-1.48	49.37	3.52	34.55	34.92	Average	101	231	VERTICAL
4	5469.20	69.56	74.00	-4.44	66.41	3.52	34.55	34.92	Peak	101	231	VERTICAL
5	5546.80	104.06			100.82	3.55	34.61	34.92	Average	101	231	VERTICAL
6	5547.60	115.34			112.09	3.55	34.62	34.92	Peak	101	231	VERTICAL
7	5725.00	45.34	54.00	-8.66	41.99	3.60	34.69	34.94	Average	101	231	VERTICAL
8	5784.30	57.61	74.00	-16.39	54.21	3.63	34.71	34.94	Peak	101	231	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5683.62	103.39			100.06	3.59	34.68	34.94	Average	100	33	VERTICAL
2	5683.62	114.67			111.34	3.59	34.68	34.94	Peak	100	33	VERTICAL
3	5729.01	70.40	74.00	-3.60	67.05	3.60	34.69	34.94	Peak	100	33	VERTICAL
4	5733.01	52.58	54.00	-1.42	49.22	3.61	34.69	34.94	Average	100	33	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.21	106.77			103.43	3.60	34.68	34.94	Average	100	304	VERTICAL
2	5714.01	118.11			114.77	3.60	34.68	34.94	Peak	100	304	VERTICAL
3	5853.21	52.48	54.00	-1.52	49.05	3.64	34.74	34.95	Average	100	304	VERTICAL
4	5854.81	70.57	74.00	-3.43	67.14	3.64	34.74	34.95	Peak	100	304	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.99	54.80	74.00	-19.20	52.17	3.43	34.11	34.91	Peak	100	297	VERTICAL
2	5150.00	44.22	54.00	-9.78	41.59	3.43	34.11	34.91	Average	100	297	VERTICAL
3	5274.78	108.36			105.53	3.47	34.27	34.91	Peak	100	297	VERTICAL
4	5279.58	94.29			91.43	3.47	34.30	34.91	Average	100	297	VERTICAL
5	5350.00	52.82	54.00	-1.18	49.85	3.49	34.39	34.91	Average	100	297	VERTICAL
6	5354.81	67.46	74.00	-6.54	64.49	3.49	34.39	34.91	Peak	100	297	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5455.99	51.63	54.00	-2.37	48.50	3.52	34.53	34.92	Average	100	29	VERTICAL
2	5455.99	67.06	74.00	-6.94	63.93	3.52	34.53	34.92	Peak	100	29	VERTICAL
3	5465.19	69.49	74.00	-4.51	66.34	3.52	34.55	34.92	Peak	100	29	VERTICAL
4	5466.80	52.73	54.00	-1.27	49.58	3.52	34.55	34.92	Average	100	29	VERTICAL
5	5516.38	96.64			93.41	3.54	34.61	34.92	Average	100	29	VERTICAL
6	5521.19	109.97			106.74	3.54	34.61	34.92	Peak	100	29	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5466.80	50.69	54.00	-3.31	47.54	3.52	34.55	34.92	Average	100	231	VERTICAL
2	5467.60	65.93	74.00	-8.07	62.78	3.52	34.55	34.92	Peak	100	231	VERTICAL
3	5597.18	99.09			95.83	3.56	34.63	34.93	Average	100	231	VERTICAL
4	5602.79	113.01			109.73	3.57	34.64	34.93	Peak	100	231	VERTICAL
5	5725.00	52.70	54.00	-1.30	49.35	3.60	34.69	34.94	Average	100	231	VERTICAL
6	5733.81	71.09	74.00	-2.91	67.73	3.61	34.69	34.94	Peak	100	231	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.01	115.52			112.19	3.59	34.68	34.94	Peak	100	295	VERTICAL
2	5703.62	101.96			98.63	3.59	34.68	34.94	Average	100	295	VERTICAL
3	5853.21	70.05	74.00	-3.95	66.62	3.64	34.74	34.95	Peak	100	295	VERTICAL
4	5858.81	52.76	54.00	-1.24	49.32	3.65	34.74	34.95	Average	100	295	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5137.50	60.69	74.00	-13.31	58.08	3.43	34.09	34.91	Peak	112	24	VERTICAL
2	5140.39	48.17	54.00	-5.83	45.54	3.43	34.11	34.91	Average	112	24	VERTICAL
3	5262.40	108.77			105.95	3.46	34.27	34.91	Average	112	24	VERTICAL
4	5267.21	120.46			117.64	3.46	34.27	34.91	Peak	112	24	VERTICAL
5	5373.56	64.85	74.00	-9.15	61.86	3.50	34.41	34.92	Peak	112	24	VERTICAL
6	5381.73	52.60	54.00	-1.40	49.58	3.50	34.44	34.92	Average	112	24	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5298.08	117.15			114.26	3.48	34.32	34.91	Peak	103	354	VERTICAL
2	5301.28	105.69			102.80	3.48	34.32	34.91	Average	103	354	VERTICAL
3	5350.00	52.73	54.00	-1.27	49.76	3.49	34.39	34.91	Average	103	354	VERTICAL
4	5350.32	70.14	74.00	-3.86	67.17	3.49	34.39	34.91	Peak	103	354	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5321.28	103.62			100.71	3.48	34.34	34.91	Average	112	25	VERTICAL
2	5322.89	114.85			111.93	3.49	34.34	34.91	Peak	112	25	VERTICAL
3	5350.00	52.75	54.00	-1.25	49.78	3.49	34.39	34.91	Average	112	25	VERTICAL
4	5351.92	70.22	74.00	-3.78	67.25	3.49	34.39	34.91	Peak	112	25	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5455.83	64.47	74.00	-9.53	61.34	3.52	34.53	34.92	Peak	109	25	VERTICAL
2	5460.00	46.46	54.00	-7.54	43.33	3.52	34.53	34.92	Average	109	25	VERTICAL
3	5467.12	72.79	74.00	-1.21	69.64	3.52	34.55	34.92	Peak	109	25	VERTICAL
4	5470.00	51.01	54.00	-2.99	47.86	3.52	34.55	34.92	Average	109	25	VERTICAL
5	5498.72	103.11			99.90	3.53	34.60	34.92	Average	109	25	VERTICAL
6	5501.92	114.50			111.28	3.54	34.60	34.92	Peak	109	25	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5331.80	46.68	54.00	-7.32	43.73	3.49	34.37	34.91	Average	105	16	VERTICAL
2	5333.40	59.09	74.00	-14.91	56.14	3.49	34.37	34.91	Peak	105	16	VERTICAL
3	5468.40	45.74	54.00	-8.26	42.59	3.52	34.55	34.92	Average	105	16	VERTICAL
4	5470.00	60.06	74.00	-13.94	56.91	3.52	34.55	34.92	Peak	105	16	VERTICAL
5	5581.60	108.00			104.74	3.56	34.63	34.93	Average	105	16	VERTICAL
6	5584.81	119.45			116.19	3.56	34.63	34.93	Peak	105	16	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5700.80	111.20			107.87	3.59	34.68	34.94	Peak	113	18	VERTICAL
2	5701.60	101.18			97.85	3.59	34.68	34.94	Average	113	18	VERTICAL
3	5725.00	50.93	54.00	-3.07	47.58	3.60	34.69	34.94	Average	113	18	VERTICAL
4	5730.61	72.96	74.00	-1.04	69.60	3.61	34.69	34.94	Peak	113	18	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5720.80	108.69			105.34	3.60	34.69	34.94	Average	112	352	VERTICAL
2	5720.80	119.91			116.56	3.60	34.69	34.94	Peak	112	352	VERTICAL
3	5850.00	51.90	54.00	-2.10	48.47	3.64	34.74	34.95	Average	112	352	VERTICAL
4	5856.41	67.38	74.00	-6.62	63.95	3.64	34.74	34.95	Peak	112	352	VERTICAL

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

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5265.19	102.73			99.91	3.46	34.27	34.91	Average	123	14	VERTICAL
2	5265.19	113.76			110.94	3.46	34.27	34.91	Peak	123	14	VERTICAL
3	5350.00	52.63	54.00	-1.37	49.66	3.49	34.39	34.91	Average	123	14	VERTICAL
4	5350.00	67.12	74.00	-6.88	64.15	3.49	34.39	34.91	Peak	123	14	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5305.99	108.24			105.35	3.48	34.32	34.91	Peak	113	25	VERTICAL
2	5314.01	97.30			94.39	3.48	34.34	34.91	Average	113	25	VERTICAL
3	5350.00	52.74	54.00	-1.26	49.77	3.49	34.39	34.91	Average	113	25	VERTICAL
4	5350.80	69.70	74.00	-4.30	66.73	3.49	34.39	34.91	Peak	113	25	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5457.76	67.48	74.00	-6.52	64.35	3.52	34.53	34.92	Peak	108	29	VERTICAL
2	5460.00	47.70	54.00	-6.30	44.57	3.52	34.53	34.92	Average	108	29	VERTICAL
3	5468.08	72.53	74.00	-1.47	69.38	3.52	34.55	34.92	Peak	108	29	VERTICAL
4	5470.00	50.81	54.00	-3.19	47.66	3.52	34.55	34.92	Average	108	29	VERTICAL
5	5515.13	98.03			94.80	3.54	34.61	34.92	Average	108	29	VERTICAL
6	5515.13	110.31			107.08	3.54	34.61	34.92	Peak	108	29	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.20	64.28	74.00	-9.72	61.15	3.52	34.53	34.92	Peak	127	20	VERTICAL
2	5460.00	49.61	54.00	-4.39	46.48	3.52	34.53	34.92	Average	127	20	VERTICAL
3	5468.40	52.85	54.00	-1.15	49.70	3.52	34.55	34.92	Average	127	20	VERTICAL
4	5469.20	68.96	74.00	-5.04	65.81	3.52	34.55	34.92	Peak	127	20	VERTICAL
5	5553.21	113.34			110.10	3.55	34.62	34.93	Peak	127	20	VERTICAL
6	5554.01	102.22			98.98	3.55	34.62	34.93	Average	127	20	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5675.13	111.63			108.30	3.59	34.67	34.93	Peak	123	5	VERTICAL
2	5676.09	98.92			95.59	3.59	34.67	34.93	Average	123	5	VERTICAL
3	5725.00	52.50	54.00	-1.50	49.15	3.60	34.69	34.94	Average	123	5	VERTICAL
4	5735.58	72.79	74.00	-1.21	69.42	3.61	34.70	34.94	Peak	123	5	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.81	103.72			100.38	3.60	34.68	34.94	Average	122	18	VERTICAL
2	5714.81	115.37			112.03	3.60	34.68	34.94	Peak	122	18	VERTICAL
3	5852.40	52.57	54.00	-1.43	49.14	3.64	34.74	34.95	Average	122	18	VERTICAL
4	5853.21	67.10	74.00	-6.90	63.67	3.64	34.74	34.95	Peak	122	18	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5121.96	53.61	74.00	-20.39	51.03	3.43	34.06	34.91	Peak	112	25	VERTICAL
2	5150.00	41.15	54.00	-12.85	38.52	3.43	34.11	34.91	Average	112	25	VERTICAL
3	5302.02	105.23			102.34	3.48	34.32	34.91	Peak	112	25	VERTICAL
4	5318.05	91.39			88.48	3.48	34.34	34.91	Average	112	25	VERTICAL
5	5350.80	70.38	74.00	-3.62	67.41	3.49	34.39	34.91	Peak	112	25	VERTICAL
6	5352.40	52.65	54.00	-1.35	49.68	3.49	34.39	34.91	Average	112	25	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5457.60	70.20	74.00	-3.80	67.07	3.52	34.53	34.92	Peak	128	18	VERTICAL
2	5460.00	49.78	54.00	-4.22	46.65	3.52	34.53	34.92	Average	128	18	VERTICAL
3	5465.99	72.48	74.00	-1.52	69.33	3.52	34.55	34.92	Peak	128	18	VERTICAL
4	5470.00	51.31	54.00	-2.69	48.16	3.52	34.55	34.92	Average	128	18	VERTICAL
5	5536.41	107.17			103.93	3.55	34.61	34.92	Peak	128	18	VERTICAL
6	5537.21	93.27			90.03	3.55	34.61	34.92	Average	128	18	VERTICAL
7	5726.60	41.67	54.00	-12.33	38.32	3.60	34.69	34.94	Average	128	18	VERTICAL
8	5731.41	54.91	74.00	-19.09	51.55	3.61	34.69	34.94	Peak	128	18	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5442.37	59.76	74.00	-14.24	56.65	3.52	34.51	34.92	Peak	100	73	VERTICAL
2	5460.00	45.29	54.00	-8.71	42.16	3.52	34.53	34.92	Average	100	73	VERTICAL
3	5469.20	63.69	74.00	-10.31	60.54	3.52	34.55	34.92	Peak	100	73	VERTICAL
4	5470.00	46.97	54.00	-7.03	43.82	3.52	34.55	34.92	Average	100	73	VERTICAL
5	5598.78	91.29			88.02	3.56	34.64	34.93	Average	100	73	VERTICAL
6	5603.59	104.40			101.12	3.57	34.64	34.93	Peak	100	73	VERTICAL
7	5725.00	52.44	54.00	-1.56	49.09	3.60	34.69	34.94	Average	100	73	VERTICAL
8	5741.83	67.75	74.00	-6.25	64.38	3.61	34.70	34.94	Peak	100	73	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5718.85	95.33			91.98	3.60	34.69	34.94	Average	122	19	VERTICAL
2	5722.05	108.00			104.65	3.60	34.69	34.94	Peak	122	19	VERTICAL
3	5850.80	52.44	54.00	-1.56	49.01	3.64	34.74	34.95	Average	122	19	VERTICAL
4	5850.80	68.47	74.00	-5.53	65.04	3.64	34.74	34.95	Peak	122	19	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5141.25	51.50	54.00	-2.50	48.87	3.43	34.11	34.91	Average	124	7	VERTICAL
2	5142.31	64.09	74.00	-9.91	61.46	3.43	34.11	34.91	Peak	124	7	VERTICAL
3	5261.44	111.42			108.60	3.46	34.27	34.91	Average	124	7	VERTICAL
4	5261.92	122.71			119.89	3.46	34.27	34.91	Peak	124	7	VERTICAL
5	5350.96	64.66	74.00	-9.34	61.69	3.49	34.39	34.91	Peak	124	7	VERTICAL
6	5371.64	49.74	54.00	-4.26	46.75	3.49	34.41	34.91	Average	124	7	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5297.60	116.84			113.95	3.48	34.32	34.91	Peak	100	354	VERTICAL
2	5302.40	106.34			103.45	3.48	34.32	34.91	Average	100	354	VERTICAL
3	5350.00	52.80	54.00	-1.20	49.83	3.49	34.39	34.91	Average	100	354	VERTICAL
4	5355.61	68.36	74.00	-5.64	65.39	3.49	34.39	34.91	Peak	100	354	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5317.44	118.62			115.71	3.48	34.34	34.91	Peak	113	354	VERTICAL
2	5317.76	107.19			104.28	3.48	34.34	34.91	Average	113	354	VERTICAL
3	5350.00	52.51	54.00	-1.49	49.54	3.49	34.39	34.91	Average	113	354	VERTICAL
4	5352.24	67.81	74.00	-6.19	64.84	3.49	34.39	34.91	Peak	113	354	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.04	64.34	74.00	-9.66	61.21	3.52	34.53	34.92	Peak	100	20	VERTICAL
2	5460.00	47.21	54.00	-6.79	44.08	3.52	34.53	34.92	Average	100	20	VERTICAL
3	5470.00	52.72	54.00	-1.28	49.57	3.52	34.55	34.92	Average	100	20	VERTICAL
4	5470.00	71.79	74.00	-2.21	68.64	3.52	34.55	34.92	Peak	100	20	VERTICAL
5	5500.32	105.20			101.99	3.53	34.60	34.92	Average	100	20	VERTICAL
6	5501.28	115.75			112.53	3.54	34.60	34.92	Peak	100	20	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5454.23	62.68	74.00	-11.32	59.55	3.52	34.53	34.92	Peak	100	65	VERTICAL
2	5457.12	52.45	54.00	-1.55	49.32	3.52	34.53	34.92	Average	100	65	VERTICAL
3	5459.42	52.52	54.00	-1.48	49.39	3.52	34.53	34.92	Average	100	65	VERTICAL
4	5462.31	63.15	74.00	-10.85	60.02	3.52	34.53	34.92	Peak	100	65	VERTICAL
5	5582.40	107.68			104.42	3.56	34.63	34.93	Average	100	65	VERTICAL
6	5584.33	118.15			114.89	3.56	34.63	34.93	Peak	100	65	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5699.36	101.02			97.69	3.59	34.68	34.94	Average	100	77	VERTICAL
2	5699.36	111.86			108.53	3.59	34.68	34.94	Peak	100	77	VERTICAL
3	5725.00	52.00	54.00	-2.00	48.65	3.60	34.69	34.94	Average	100	77	VERTICAL
4	5726.60	72.69	74.00	-1.31	69.34	3.60	34.69	34.94	Peak	100	77	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5718.40	122.56			119.21	3.60	34.69	34.94	Peak	132	348	VERTICAL
2	5720.80	111.04			107.69	3.60	34.69	34.94	Average	132	348	VERTICAL
3	5850.00	50.40	54.00	-3.60	46.97	3.64	34.74	34.95	Average	132	348	VERTICAL
4	5858.01	65.23	74.00	-8.77	61.79	3.65	34.74	34.95	Peak	132	348	VERTICAL

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

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5252.37	115.29			112.49	3.46	34.25	34.91	Peak	102	351	VERTICAL
2	5265.19	103.32			100.50	3.46	34.27	34.91	Average	102	351	VERTICAL
3	5350.80	52.80	54.00	-1.20	49.83	3.49	34.39	34.91	Average	102	351	VERTICAL
4	5350.80	68.71	74.00	-5.29	65.74	3.49	34.39	34.91	Peak	102	351	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5315.45	109.26			106.35	3.48	34.34	34.91	Peak	100	346	VERTICAL
2	5315.77	97.30			94.39	3.48	34.34	34.91	Average	100	346	VERTICAL
3	5350.64	52.14	54.00	-1.86	49.17	3.49	34.39	34.91	Average	100	346	VERTICAL
4	5350.96	72.86	74.00	-1.14	69.89	3.49	34.39	34.91	Peak	100	346	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5457.12	66.95	74.00	-7.05	63.82	3.52	34.53	34.92	Peak	100	19	VERTICAL
2	5460.00	48.54	54.00	-5.46	45.41	3.52	34.53	34.92	Average	100	19	VERTICAL
3	5465.51	72.43	74.00	-1.57	69.28	3.52	34.55	34.92	Peak	100	19	VERTICAL
4	5468.40	52.31			49.16	3.52	34.55	34.92	Average	100	19	VERTICAL
5	5505.51	100.00			96.78	3.54	34.60	34.92	Average	100	19	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5434.52	63.22	74.00	-10.78	60.11	3.52	34.51	34.92	Peak	100	20	VERTICAL
2	5435.00	52.35	54.00	-1.65	49.24	3.52	34.51	34.92	Average	100	20	VERTICAL
3	5462.79	71.04	74.00	-2.96	67.89	3.52	34.55	34.92	Peak	100	20	VERTICAL
4	5467.60	52.49	54.00	-1.51	49.34	3.52	34.55	34.92	Average	100	20	VERTICAL
5	5545.19	102.31			99.07	3.55	34.61	34.92	Average	100	20	VERTICAL
6	5555.29	113.96			110.72	3.55	34.62	34.93	Peak	100	20	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5656.86	98.45			95.13	3.59	34.66	34.93	Average	100	77	VERTICAL
2	5656.86	110.00			106.68	3.59	34.66	34.93	Peak	100	77	VERTICAL
3	5725.00	52.15	54.00	-1.85	48.80	3.60	34.69	34.94	Average	100	77	VERTICAL
4	5725.32	70.51	74.00	-3.49	67.16	3.60	34.69	34.94	Peak	100	77	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.61	105.22			101.88	3.60	34.68	34.94	Average	132	349	VERTICAL
2	5715.61	116.51			113.17	3.60	34.68	34.94	Peak	132	349	VERTICAL
3	5851.60	67.92	74.00	-6.08	64.49	3.64	34.74	34.95	Peak	132	349	VERTICAL
4	5853.21	52.88	54.00	-1.12	49.45	3.64	34.74	34.95	Average	132	349	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.39	53.76	74.00	-20.24	51.13	3.43	34.11	34.91	Peak	111	353	VERTICAL
2	5150.00	40.11	74.00	-33.89	37.48	3.43	34.11	34.91	Peak	111	353	VERTICAL
3	5300.42	105.47			102.58	3.48	34.32	34.91	Peak	111	353	VERTICAL
4	5314.84	92.60			89.69	3.48	34.34	34.91	Average	111	353	VERTICAL
5	5350.00	52.46	54.00	-1.54	49.49	3.49	34.39	34.91	Average	111	353	VERTICAL
6	5350.00	66.68	74.00	-7.32	63.71	3.49	34.39	34.91	Peak	111	353	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5455.19	69.86	74.00	-4.14	66.73	3.52	34.53	34.92	Peak	100	20	VERTICAL
2	5460.00	51.70	54.00	-2.30	48.57	3.52	34.53	34.92	Average	100	20	VERTICAL
3	5468.40	72.90	74.00	-1.10	69.75	3.52	34.55	34.92	Peak	100	20	VERTICAL
4	5470.00	52.70	54.00	-1.30	49.55	3.52	34.55	34.92	Average	100	20	VERTICAL
5	5520.39	94.68			91.45	3.54	34.61	34.92	Average	100	20	VERTICAL
6	5521.19	107.30			104.07	3.54	34.61	34.92	Peak	100	20	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5443.17	61.17	74.00	-12.83	58.06	3.52	34.51	34.92	Peak	100	70	VERTICAL
2	5460.00	46.83	54.00	-7.17	43.70	3.52	34.53	34.92	Average	100	70	VERTICAL
3	5465.99	63.59	74.00	-10.41	60.44	3.52	34.55	34.92	Peak	100	70	VERTICAL
4	5470.00	48.36	54.00	-5.64	45.21	3.52	34.55	34.92	Average	100	70	VERTICAL
5	5599.58	93.10			89.83	3.56	34.64	34.93	Average	100	70	VERTICAL
6	5599.58	105.74			102.47	3.56	34.64	34.93	Peak	100	70	VERTICAL
7	5725.00	52.70	54.00	-1.30	49.35	3.60	34.69	34.94	Average	100	70	VERTICAL
8	5734.62	67.41	74.00	-6.59	64.04	3.61	34.70	34.94	Peak	100	70	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5683.59	111.87			108.54	3.59	34.68	34.94	Peak	134	354	VERTICAL
2	5685.19	98.37			95.04	3.59	34.68	34.94	Average	134	354	VERTICAL
3	5850.00	52.59	54.00	-1.41	49.16	3.64	34.74	34.95	Average	134	354	VERTICAL
4	5858.81	68.30	74.00	-5.70	64.86	3.65	34.74	34.95	Peak	134	354	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5138.78	49.12	54.00	-4.88	46.51	3.43	34.09	34.91	Average	108	6	VERTICAL
2	5143.59	60.34	74.00	-13.66	57.71	3.43	34.11	34.91	Peak	108	6	VERTICAL
3	5259.20	109.86			107.04	3.46	34.27	34.91	Average	108	6	VERTICAL
4	5259.20	119.25			116.43	3.46	34.27	34.91	Peak	108	6	VERTICAL
5	5380.45	63.02	74.00	-10.98	60.00	3.50	34.44	34.92	Peak	108	6	VERTICAL
6	5384.46	52.49	54.00	-1.51	49.47	3.50	34.44	34.92	Average	108	6	VERTICAL
7	5692.95	62.96	68.20	-5.24	59.63	3.59	34.68	34.94	Peak	108	6	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5295.99	118.84			115.96	3.47	34.32	34.91	Peak	108	18	VERTICAL
2	5300.80	108.93			106.04	3.48	34.32	34.91	Average	108	18	VERTICAL
3	5381.25	52.93	54.00	-1.07	49.91	3.50	34.44	34.92	Average	108	18	VERTICAL
4	5381.25	63.44	74.00	-10.56	60.42	3.50	34.44	34.92	Peak	108	18	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5320.80	107.97			105.06	3.48	34.34	34.91	Average	106	348	VERTICAL
2	5320.80	117.78			114.87	3.48	34.34	34.91	Peak	106	348	VERTICAL
3	5350.80	52.73	54.00	-1.27	49.76	3.49	34.39	34.91	Average	106	348	VERTICAL
4	5352.40	67.88	74.00	-6.12	64.91	3.49	34.39	34.91	Peak	106	348	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5046.54	63.12	74.00	-10.88	60.65	3.40	33.97	34.90	Peak	104	17	VERTICAL
2	5046.92	52.57	54.00	-1.43	50.10	3.40	33.97	34.90	Average	104	17	VERTICAL
3	5419.94	48.34	54.00	-5.66	45.27	3.51	34.48	34.92	Average	104	17	VERTICAL
4	5460.00	66.29	74.00	-7.71	63.16	3.52	34.53	34.92	Peak	104	17	VERTICAL
5	5470.00	51.99	54.00	-2.01	48.84	3.52	34.55	34.92	Average	104	17	VERTICAL
6	5470.00	72.03	74.00	-1.97	68.88	3.52	34.55	34.92	Peak	104	17	VERTICAL
7	5495.19	118.37			115.18	3.53	34.58	34.92	Peak	104	17	VERTICAL
8	5501.60	108.48			105.26	3.54	34.60	34.92	Average	104	17	VERTICAL

Item 7, 8 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5111.54	52.41	54.00	-1.59	49.83	3.42	34.06	34.90	Average	103	27	VERTICAL
2	5117.44	62.72	74.00	-11.28	60.14	3.42	34.06	34.90	Peak	103	27	VERTICAL
3	5451.99	51.76	54.00	-2.24	48.63	3.52	34.53	34.92	Average	103	27	VERTICAL
4	5458.78	62.96	74.00	-11.04	59.83	3.52	34.53	34.92	Peak	103	27	VERTICAL
5	5465.19	62.48	74.00	-11.52	59.33	3.52	34.55	34.92	Peak	103	27	VERTICAL
6	5468.40	52.86	54.00	-1.14	49.71	3.52	34.55	34.92	Average	103	27	VERTICAL
7	5571.99	108.78			105.53	3.55	34.63	34.93	Average	103	27	VERTICAL
8	5573.59	119.60			116.35	3.55	34.63	34.93	Peak	103	27	VERTICAL

Item 7, 8 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5702.40	105.90			102.57	3.59	34.68	34.94	Average	108	2	VERTICAL
2	5702.40	116.83			113.50	3.59	34.68	34.94	Peak	108	2	VERTICAL
3	5726.92	72.61	74.00	-1.39	69.26	3.60	34.69	34.94	Peak	108	2	VERTICAL
4	5822.50	51.76	54.00	-2.24	48.35	3.63	34.73	34.95	Average	108	2	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5240.39	66.66	68.20	-1.54	63.88	3.46	34.23	34.91	Peak	100	26	VERTICAL
2	5723.21	113.86			110.51	3.60	34.69	34.94	Average	100	26	VERTICAL
3	5723.21	124.32			120.97	3.60	34.69	34.94	Peak	100	26	VERTICAL
4	5850.00	65.80	68.20	-2.40	62.37	3.64	34.74	34.95	Peak	100	26	VERTICAL

Item 2, 3 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.20	50.65	54.00	-3.35	48.02	3.43	34.11	34.91	Average	109	8	VERTICAL
2	5150.00	62.79	74.00	-11.21	60.16	3.43	34.11	34.91	Peak	109	8	VERTICAL
3	5263.59	107.42			104.60	3.46	34.27	34.91	Average	109	8	VERTICAL
4	5264.39	119.34			116.52	3.46	34.27	34.91	Peak	109	8	VERTICAL
5	5353.21	64.61	74.00	-9.39	61.64	3.49	34.39	34.91	Peak	109	8	VERTICAL
6	5354.01	52.47	54.00	-1.53	49.50	3.49	34.39	34.91	Average	109	8	VERTICAL

Item 3, 4 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5309.20	111.38			108.49	3.48	34.32	34.91	Peak	108	8	VERTICAL
2	5314.01	101.05			98.14	3.48	34.34	34.91	Average	108	8	VERTICAL
3	5350.00	52.77	54.00	-1.23	49.80	3.49	34.39	34.91	Average	108	8	VERTICAL
4	5350.00	67.60	74.00	-6.40	64.63	3.49	34.39	34.91	Peak	108	8	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	48.41	54.00	-5.59	45.28	3.52	34.53	34.92	Average	103	17	VERTICAL
2	5460.00	65.65	74.00	-8.35	62.52	3.52	34.53	34.92	Peak	103	17	VERTICAL
3	5465.99	69.53	74.00	-4.47	66.38	3.52	34.55	34.92	Peak	103	17	VERTICAL
4	5470.00	52.69	54.00	-1.31	49.54	3.52	34.55	34.92	Average	103	17	VERTICAL
5	5515.61	101.52			98.29	3.54	34.61	34.92	Average	103	17	VERTICAL
6	5515.61	112.42			109.19	3.54	34.61	34.92	Peak	103	17	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	49.84	54.00	-4.16	46.71	3.52	34.53	34.92	Average	101	16	VERTICAL
2	5460.00	64.47	74.00	-9.53	61.34	3.52	34.53	34.92	Peak	101	16	VERTICAL
3	5469.20	66.75	68.20	-1.45	63.60	3.52	34.55	34.92	Peak	101	16	VERTICAL
4	5555.61	105.48			102.24	3.55	34.62	34.93	Average	101	16	VERTICAL
5	5555.61	117.57			114.33	3.55	34.62	34.93	Peak	101	16	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5686.83	102.45			99.12	3.59	34.68	34.94	Average	108	0	VERTICAL
2	5686.99	114.65			111.32	3.59	34.68	34.94	Peak	108	0	VERTICAL
3	5725.32	72.49	74.00	-1.51	69.14	3.60	34.69	34.94	Peak	108	0	VERTICAL
4	5732.21	51.83	54.00	-2.17	48.47	3.61	34.69	34.94	Average	108	0	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5696.38	112.42			109.09	3.59	34.68	34.94	Peak	100	349	VERTICAL
2	5705.99	100.06			96.72	3.60	34.68	34.94	Average	100	349	VERTICAL
3	5850.00	46.99	54.00	-7.01	43.56	3.64	34.74	34.95	Average	100	349	VERTICAL
4	5865.22	61.49	74.00	-12.51	58.05	3.65	34.74	34.95	Peak	100	349	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5133.97	54.34	74.00	-19.66	51.73	3.43	34.09	34.91	Peak	118	6	VERTICAL
2	5150.00	41.60	54.00	-12.40	38.97	3.43	34.11	34.91	Average	118	6	VERTICAL
3	5263.56	94.38			91.56	3.46	34.27	34.91	Average	118	6	VERTICAL
4	5278.78	107.67			104.81	3.47	34.30	34.91	Peak	118	6	VERTICAL
5	5350.00	52.88	54.00	-1.12	49.91	3.49	34.39	34.91	Average	118	6	VERTICAL
6	5354.81	66.46	74.00	-7.54	63.49	3.49	34.39	34.91	Peak	118	6	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5451.99	65.34	74.00	-8.66	62.21	3.52	34.53	34.92	Peak	122	1	VERTICAL
2	5456.80	50.31	54.00	-3.69	47.18	3.52	34.53	34.92	Average	122	1	VERTICAL
3	5467.60	52.66	54.00	-1.34	49.51	3.52	34.55	34.92	Average	122	1	VERTICAL
4	5468.40	71.82	74.00	-2.18	68.67	3.52	34.55	34.92	Peak	122	1	VERTICAL
5	5546.83	96.13			92.89	3.55	34.61	34.92	Average	122	1	VERTICAL
6	5547.63	109.42			106.17	3.55	34.62	34.92	Peak	122	1	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5446.38	67.23	74.00	-6.77	64.10	3.52	34.53	34.92	Peak	138	1	VERTICAL
2	5456.80	49.66	54.00	-4.34	46.53	3.52	34.53	34.92	Average	138	1	VERTICAL
3	5467.60	51.78	54.00	-2.22	48.63	3.52	34.55	34.92	Average	138	1	VERTICAL
4	5467.60	65.75	74.00	-8.25	62.60	3.52	34.55	34.92	Peak	138	1	VERTICAL
5	5597.18	97.54			94.28	3.56	34.63	34.93	Average	138	1	VERTICAL
6	5617.21	110.24			106.95	3.57	34.65	34.93	Peak	138	1	VERTICAL
7	5727.40	52.88	54.00	-1.12	49.53	3.60	34.69	34.94	Average	138	1	VERTICAL
8	5737.82	69.75	74.00	-4.25	66.38	3.61	34.70	34.94	Peak	138	1	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5686.80	114.86			111.53	3.59	34.68	34.94	Peak	101	2	VERTICAL
2	5687.60	101.28			97.95	3.59	34.68	34.94	Average	101	2	VERTICAL
3	5850.80	52.88	54.00	-1.12	49.45	3.64	34.74	34.95	Average	101	2	VERTICAL
4	5853.21	67.80	74.00	-6.20	64.37	3.64	34.74	34.95	Peak	101	2	VERTICAL

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

Note:

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

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

<For Beamforming Mode>

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5131.00	52.52	54.00	-1.48	49.91	3.43	34.09	34.91	Average	100	282	VERTICAL
2	5133.00	64.70	74.00	-9.30	62.09	3.43	34.09	34.91	Peak	100	282	VERTICAL
3	5257.00	107.22			104.42	3.46	34.25	34.91	Average	100	282	VERTICAL
4	5257.00	117.48			114.68	3.46	34.25	34.91	Peak	100	282	VERTICAL
5	5374.00	47.64	54.00	-6.36	44.65	3.50	34.41	34.92	Average	100	282	VERTICAL
6	5375.00	60.25	74.00	-13.75	57.26	3.50	34.41	34.92	Peak	100	282	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5308.00	107.77			104.88	3.48	34.32	34.91	Average	100	52	VERTICAL
2	5308.00	117.50			114.61	3.48	34.32	34.91	Peak	100	52	VERTICAL
3	5388.00	52.89	54.00	-1.11	49.87	3.50	34.44	34.92	Average	100	52	VERTICAL
4	5388.00	63.87	74.00	-10.13	60.85	3.50	34.44	34.92	Peak	100	52	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5105.93	60.07	74.00	-13.93	57.49	3.42	34.06	34.90	Peak	100	248	VERTICAL
2	5150.00	48.04	54.00	-5.96	45.41	3.43	34.11	34.91	Average	100	248	VERTICAL
3	5322.40	108.69			105.77	3.49	34.34	34.91	Average	100	248	VERTICAL
4	5322.40	119.22			116.30	3.49	34.34	34.91	Peak	100	248	VERTICAL
5	5350.00	52.60	54.00	-1.40	49.63	3.49	34.39	34.91	Average	100	248	VERTICAL
6	5350.00	66.43	74.00	-7.57	63.46	3.49	34.39	34.91	Peak	100	248	VERTICAL

Item 3, 4 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5457.12	72.23	74.00	-1.77	69.10	3.52	34.53	34.92	Peak	100	358	VERTICAL
2	5459.68	52.62	54.00	-1.38	49.49	3.52	34.53	34.92	Average	100	358	VERTICAL
3	5499.36	108.37			105.16	3.53	34.60	34.92	Average	100	358	VERTICAL
4	5499.36	121.17			117.96	3.53	34.60	34.92	Peak	100	358	VERTICAL

Item 3, 4 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.72	52.88	54.00	-1.12	49.75	3.52	34.53	34.92	Average	100	59	VERTICAL
2	5458.72	63.69	74.00	-10.31	60.56	3.52	34.53	34.92	Peak	100	59	VERTICAL
3	5461.03	65.14	74.00	-8.86	62.01	3.52	34.53	34.92	Peak	100	59	VERTICAL
4	5581.28	107.90			104.64	3.56	34.63	34.93	Average	100	59	VERTICAL
5	5581.28	118.18			114.92	3.56	34.63	34.93	Peak	100	59	VERTICAL
6	5737.18	58.48	74.00	-15.52	55.11	3.61	34.70	34.94	Peak	100	59	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.88	106.57			103.24	3.59	34.68	34.94	Average	100	263	VERTICAL
2	5699.52	118.49			115.16	3.59	34.68	34.94	Peak	100	263	VERTICAL
3	5726.28	52.98	54.00	-1.02	49.63	3.60	34.69	34.94	Average	100	263	VERTICAL
4	5726.60	72.62	74.00	-1.38	69.27	3.60	34.69	34.94	Peak	100	263	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5720.80	114.54			111.19	3.60	34.69	34.94	Average	100	64	VERTICAL
2	5722.40	124.41			121.06	3.60	34.69	34.94	Peak	100	64	VERTICAL
3	5881.25	66.68	68.20	-1.52	63.23	3.65	34.75	34.95	Peak	100	64	VERTICAL

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

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5264.23	105.52			102.70	3.46	34.27	34.91	Average	100	243	VERTICAL
2	5264.55	117.33			114.51	3.46	34.27	34.91	Peak	100	243	VERTICAL
3	5351.92	52.69	54.00	-1.31	49.72	3.49	34.39	34.91	Average	100	243	VERTICAL
4	5351.92	67.74	74.00	-6.26	64.77	3.49	34.39	34.91	Peak	100	243	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5296.86	111.67			108.78	3.48	34.32	34.91	Peak	100	243	VERTICAL
2	5304.23	100.24			97.35	3.48	34.32	34.91	Average	100	243	VERTICAL
3	5350.00	52.63	54.00	-1.37	49.66	3.49	34.39	34.91	Average	100	243	VERTICAL
4	5351.92	70.86	74.00	-3.14	67.89	3.49	34.39	34.91	Peak	100	243	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.36	63.64	74.00	-10.36	60.51	3.52	34.53	34.92	Peak	100	315	VERTICAL
2	5459.68	47.51	54.00	-6.49	44.38	3.52	34.53	34.92	Average	100	315	VERTICAL
3	5469.36	72.00	74.00	-2.00	68.85	3.52	34.55	34.92	Peak	100	315	VERTICAL
4	5470.00	52.81	54.00	-1.19	49.66	3.52	34.55	34.92	Average	100	315	VERTICAL
5	5504.87	100.52			97.30	3.54	34.60	34.92	Average	100	315	VERTICAL
6	5507.44	112.71			109.49	3.54	34.60	34.92	Peak	100	315	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.40	64.48	74.00	-9.52	61.35	3.52	34.53	34.92	Peak	100	62	VERTICAL
2	5458.72	50.79	54.00	-3.21	47.66	3.52	34.53	34.92	Average	100	62	VERTICAL
3	5468.72	52.79	54.00	-1.21	49.64	3.52	34.55	34.92	Average	100	62	VERTICAL
4	5469.04	71.05	74.00	-2.95	67.90	3.52	34.55	34.92	Peak	100	62	VERTICAL
5	5546.15	105.07			101.83	3.55	34.61	34.92	Average	100	62	VERTICAL
6	5546.15	117.02			113.78	3.55	34.61	34.92	Peak	100	62	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5663.59	104.19			100.87	3.59	34.66	34.93	Average	100	63	VERTICAL
2	5663.91	115.84			112.52	3.59	34.66	34.93	Peak	100	63	VERTICAL
3	5725.96	52.79	54.00	-1.21	49.44	3.60	34.69	34.94	Average	100	63	VERTICAL
4	5726.60	72.76	74.00	-1.24	69.41	3.60	34.69	34.94	Peak	100	63	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.21	110.11			106.77	3.60	34.68	34.94	Average	100	63	VERTICAL
2	5714.01	121.66			118.32	3.60	34.68	34.94	Peak	100	63	VERTICAL
3	5853.21	52.67	54.00	-1.33	49.24	3.64	34.74	34.95	Average	100	63	VERTICAL
4	5868.43	66.79	74.00	-7.21	63.35	3.65	34.74	34.95	Peak	100	63	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5133.97	46.13	54.00	-7.87	43.52	3.43	34.09	34.91	Average	100	245	VERTICAL
2	5134.78	58.88	74.00	-15.12	56.27	3.43	34.09	34.91	Peak	100	245	VERTICAL
3	5294.81	94.86			91.98	3.47	34.32	34.91	Average	100	245	VERTICAL
4	5294.81	107.21			104.33	3.47	34.32	34.91	Peak	100	245	VERTICAL
5	5352.40	52.56	54.00	-1.44	49.59	3.49	34.39	34.91	Average	100	245	VERTICAL
6	5352.40	67.78	74.00	-6.22	64.81	3.49	34.39	34.91	Peak	100	245	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.40	50.94	54.00	-3.06	47.81	3.52	34.53	34.92	Average	100	60	VERTICAL
2	5458.40	66.90	74.00	-7.10	63.77	3.52	34.53	34.92	Peak	100	60	VERTICAL
3	5468.40	52.75	54.00	-1.25	49.60	3.52	34.55	34.92	Average	100	60	VERTICAL
4	5470.00	70.76	74.00	-3.24	67.61	3.52	34.55	34.92	Peak	100	60	VERTICAL
5	5521.19	106.84			103.61	3.54	34.61	34.92	Peak	100	60	VERTICAL
6	5538.81	94.71			91.47	3.55	34.61	34.92	Average	100	60	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 122

	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	5442.37	61.34	74.00	-12.66	57.75	4.53	33.59	34.53	Peak	54	100	VERTICAL
2	5460.00	48.72	54.00	-5.28	45.09	4.54	33.62	34.53	Average	54	100	VERTICAL
3	5463.59	65.28	74.00	-8.72	61.61	4.55	33.65	34.53	Peak	54	100	VERTICAL
4	5467.60	49.87	54.00	-4.13	46.20	4.55	33.65	34.53	Average	54	100	VERTICAL
5	5603.59	112.86			108.77	4.64	34.01	34.56	Peak	54	100	VERTICAL
6	5606.80	98.37			94.28	4.64	34.01	34.56	Average	54	100	VERTICAL
7	5725.00	66.67	74.00	-7.33	62.16	4.72	34.37	34.58	Peak	54	100	VERTICAL
8	5726.60	52.43	54.00	-1.57	47.92	4.72	34.37	34.58	Average	54	100	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5685.19	102.52			99.19	3.59	34.68	34.94	Average	100	78	VERTICAL
2	5685.19	114.65			111.32	3.59	34.68	34.94	Peak	100	78	VERTICAL
3	5859.62	67.93	74.00	-6.07	64.49	3.65	34.74	34.95	Peak	100	78	VERTICAL
4	5865.22	52.19	54.00	-1.81	48.75	3.65	34.74	34.95	Average	100	78	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5138.00	52.45	54.00	-1.55	49.84	3.43	34.09	34.91	Average	100	283	VERTICAL
2	5139.00	63.99	74.00	-10.01	61.38	3.43	34.09	34.91	Peak	100	283	VERTICAL
3	5258.00	108.94			106.14	3.46	34.25	34.91	Average	100	283	VERTICAL
4	5258.00	119.24			116.44	3.46	34.25	34.91	Peak	100	283	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.00	58.65	74.00	-15.35	56.02	3.43	34.11	34.91	Peak	100	242	VERTICAL
2	5148.00	48.48	54.00	-5.52	45.85	3.43	34.11	34.91	Average	100	242	VERTICAL
3	5308.00	107.34			104.45	3.48	34.32	34.91	Average	100	242	VERTICAL
4	5308.00	116.97			114.08	3.48	34.32	34.91	Peak	100	242	VERTICAL
5	5388.00	52.63	54.00	-1.37	49.61	3.50	34.44	34.92	Average	100	242	VERTICAL
6	5389.00	63.17	74.00	-10.83	60.15	3.50	34.44	34.92	Peak	100	242	VERTICAL

Item 3, 4 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	47.81	54.00	-6.19	45.18	3.43	34.11	34.91	Average	100	299	VERTICAL
2	5150.00	56.60	74.00	-17.40	53.97	3.43	34.11	34.91	Peak	100	299	VERTICAL
3	5322.00	107.56			104.65	3.48	34.34	34.91	Average	100	299	VERTICAL
4	5324.00	118.34			115.42	3.49	34.34	34.91	Peak	100	299	VERTICAL
5	5350.00	52.51	54.00	-1.49	49.54	3.49	34.39	34.91	Average	100	299	VERTICAL
6	5352.00	67.37	74.00	-6.63	64.40	3.49	34.39	34.91	Peak	100	299	VERTICAL

Item 3, 4 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5419.00	60.92	74.00	-13.08	57.85	3.51	34.48	34.92	Peak	100	297	VERTICAL
2	5421.00	48.72	54.00	-5.28	45.65	3.51	34.48	34.92	Average	100	297	VERTICAL
3	5467.20	72.47	74.00	-1.53	69.32	3.52	34.55	34.92	Peak	100	297	VERTICAL
4	5470.00	49.97	54.00	-4.03	46.82	3.52	34.55	34.92	Average	100	297	VERTICAL
5	5507.20	116.61			113.39	3.54	34.60	34.92	Peak	100	297	VERTICAL
6	5508.00	106.23			103.01	3.54	34.60	34.92	Average	100	297	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.00	62.31	74.00	-11.69	59.18	3.52	34.53	34.92	Peak	100	58	VERTICAL
2	5460.00	51.84	54.00	-2.16	48.71	3.52	34.53	34.92	Average	100	58	VERTICAL
3	5467.00	52.64	54.00	-1.36	49.49	3.52	34.55	34.92	Average	100	58	VERTICAL
4	5468.00	63.54	74.00	-10.46	60.39	3.52	34.55	34.92	Peak	100	58	VERTICAL
5	5577.00	116.14			112.89	3.55	34.63	34.93	Peak	100	58	VERTICAL
6	5582.00	106.69			103.43	3.56	34.63	34.93	Average	100	58	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5707.20	115.38			112.04	3.60	34.68	34.94	Peak	100	304	VERTICAL
2	5708.00	104.65			101.31	3.60	34.68	34.94	Average	100	304	VERTICAL
3	5725.00	48.02	54.00	-5.98	44.67	3.60	34.69	34.94	Average	100	304	VERTICAL
4	5725.00	72.38	74.00	-1.62	69.03	3.60	34.69	34.94	Peak	100	304	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5718.40	115.23			111.88	3.60	34.69	34.94	Average	100	62	VERTICAL
2	5724.01	124.68			121.33	3.60	34.69	34.94	Peak	100	62	VERTICAL
3	5884.46	66.80	68.20	-1.40	63.34	3.66	34.75	34.95	Peak	100	62	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.00	61.97	74.00	-12.03	59.34	3.43	34.11	34.91	Peak	100	245	VERTICAL
2	5150.00	49.76	54.00	-4.24	47.13	3.43	34.11	34.91	Average	100	245	VERTICAL
3	5264.00	106.46			103.64	3.46	34.27	34.91	Average	100	245	VERTICAL
4	5265.00	116.88			114.06	3.46	34.27	34.91	Peak	100	245	VERTICAL
5	5353.00	65.36	74.00	-8.64	62.39	3.49	34.39	34.91	Peak	100	245	VERTICAL
6	5383.00	52.61	54.00	-1.39	49.59	3.50	34.44	34.92	Average	100	245	VERTICAL

Item 3, 4 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5316.00	97.64			94.73	3.48	34.34	34.91	Average	103	58	VERTICAL
2	5317.00	109.74			106.83	3.48	34.34	34.91	Peak	103	58	VERTICAL
3	5350.00	52.60	54.00	-1.40	49.63	3.49	34.39	34.91	Average	103	58	VERTICAL
4	5356.00	67.02	74.00	-6.98	64.05	3.49	34.39	34.91	Peak	103	58	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	47.54	54.00	-6.46	44.41	3.52	34.53	34.92	Average	100	309	VERTICAL
2	5460.00	63.01	74.00	-10.99	59.88	3.52	34.53	34.92	Peak	100	309	VERTICAL
3	5464.00	68.99	74.00	-5.01	65.84	3.52	34.55	34.92	Peak	100	309	VERTICAL
4	5470.00	52.59	54.00	-1.41	49.44	3.52	34.55	34.92	Average	100	309	VERTICAL
5	5514.00	102.58			99.35	3.54	34.61	34.92	Average	100	309	VERTICAL
6	5514.00	111.74			108.51	3.54	34.61	34.92	Peak	100	309	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5422.00	63.41	74.00	-10.59	60.34	3.51	34.48	34.92	Peak	100	308	VERTICAL
2	5424.00	52.49	54.00	-1.51	49.42	3.51	34.48	34.92	Average	100	308	VERTICAL
3	5464.00	63.45	74.00	-10.55	60.30	3.52	34.55	34.92	Peak	100	308	VERTICAL
4	5468.00	50.92	54.00	-3.08	47.77	3.52	34.55	34.92	Average	100	308	VERTICAL
5	5562.00	103.89			100.65	3.55	34.62	34.93	Average	100	308	VERTICAL
6	5564.00	113.76			110.52	3.55	34.62	34.93	Peak	100	308	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5686.80	111.42			108.09	3.59	34.68	34.94	Peak	100	242	VERTICAL
2	5687.00	98.59			95.26	3.59	34.68	34.94	Average	100	242	VERTICAL
3	5735.40	72.45	74.00	-1.55	69.08	3.61	34.70	34.94	Peak	100	242	VERTICAL
4	5736.00	50.22	54.00	-3.78	46.85	3.61	34.70	34.94	Average	100	242	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.21	110.95			107.61	3.60	34.68	34.94	Average	100	63	VERTICAL
2	5714.81	122.84			119.50	3.60	34.68	34.94	Peak	100	63	VERTICAL
3	5874.04	66.60	68.20	-1.60	63.15	3.65	34.75	34.95	Peak	100	63	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5316.00	105.86			102.95	3.48	34.34	34.91	Peak	100	54	VERTICAL
2	5318.00	96.34			93.43	3.48	34.34	34.91	Average	100	54	VERTICAL
3	5387.00	52.50	54.00	-1.50	49.48	3.50	34.44	34.92	Average	100	54	VERTICAL
4	5388.00	64.78	74.00	-9.22	61.76	3.50	34.44	34.92	Peak	100	54	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5446.00	62.59	74.00	-11.41	59.46	3.52	34.53	34.92	Peak	100	53	VERTICAL
2	5447.00	50.77	54.00	-3.23	47.64	3.52	34.53	34.92	Average	100	53	VERTICAL
3	5466.00	52.69	54.00	-1.31	49.54	3.52	34.55	34.92	Average	100	53	VERTICAL
4	5467.00	66.33	74.00	-7.67	63.18	3.52	34.55	34.92	Peak	100	53	VERTICAL
5	5543.00	95.68			92.44	3.55	34.61	34.92	Average	100	53	VERTICAL
6	5544.00	106.46			103.22	3.55	34.61	34.92	Peak	100	53	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 122

	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	5455.99	49.32	54.00	-4.68	45.69	4.54	33.62	34.53	Average	51	100	VERTICAL
2	5456.80	62.40	74.00	-11.60	58.77	4.54	33.62	34.53	Peak	51	100	VERTICAL
3	5466.80	50.14	54.00	-3.86	46.47	4.55	33.65	34.53	Average	51	100	VERTICAL
4	5467.60	64.19	74.00	-9.81	60.52	4.55	33.65	34.53	Peak	51	100	VERTICAL
5	5596.38	101.41			97.37	4.63	33.96	34.55	Average	51	100	VERTICAL
6	5597.18	115.36			111.32	4.63	33.96	34.55	Peak	51	100	VERTICAL
7	5725.80	52.48	54.00	-1.52	47.97	4.72	34.37	34.58	Average	51	100	VERTICAL
8	5726.60	68.39	74.00	-5.61	63.88	4.72	34.37	34.58	Peak	51	100	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5699.62	105.00			101.67	3.59	34.68	34.94	Average	100	81	VERTICAL
2	5699.62	118.43			115.10	3.59	34.68	34.94	Peak	100	81	VERTICAL
3	5858.81	69.42	74.00	-4.58	65.98	3.65	34.74	34.95	Peak	100	81	VERTICAL
4	5870.03	52.61	54.00	-1.39	49.17	3.65	34.74	34.95	Average	100	81	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5141.35	63.93	74.00	-10.07	61.30	3.43	34.11	34.91	Peak	124	7	VERTICAL
2	5146.64	52.63	54.00	-1.37	50.00	3.43	34.11	34.91	Average	124	7	VERTICAL
3	5261.44	113.34			110.52	3.46	34.27	34.91	Average	124	7	VERTICAL
4	5261.44	124.33			121.51	3.46	34.27	34.91	Peak	124	7	VERTICAL
5	5381.73	64.97	74.00	-9.03	61.95	3.50	34.44	34.92	Peak	124	7	VERTICAL
6	5381.80	52.07	54.00	-1.93	49.05	3.50	34.44	34.92	Average	124	7	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5297.60	117.47			114.58	3.48	34.32	34.91	Peak	100	354	VERTICAL
2	5302.40	106.67			103.78	3.48	34.32	34.91	Average	100	354	VERTICAL
3	5418.11	52.82	54.00	-1.18	49.75	3.51	34.48	34.92	Average	100	354	VERTICAL
4	5422.92	65.29	74.00	-8.71	62.22	3.51	34.48	34.92	Peak	100	354	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5317.76	106.30			103.39	3.48	34.34	34.91	Average	100	354	VERTICAL
2	5322.56	116.73			113.81	3.49	34.34	34.91	Peak	100	354	VERTICAL
3	5350.00	52.95	54.00	-1.05	49.98	3.49	34.39	34.91	Average	100	354	VERTICAL
4	5352.89	70.77	74.00	-3.23	67.80	3.49	34.39	34.91	Peak	100	354	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.08	64.68	74.00	-9.32	61.55	3.52	34.53	34.92	Peak	100	20	VERTICAL
2	5460.00	48.16	54.00	-5.84	45.03	3.52	34.53	34.92	Average	100	20	VERTICAL
3	5468.08	71.69	74.00	-2.31	68.54	3.52	34.55	34.92	Peak	100	20	VERTICAL
4	5470.00	52.47	54.00	-1.53	49.32	3.52	34.55	34.92	Average	100	20	VERTICAL
5	5500.64	106.91			103.70	3.53	34.60	34.92	Average	100	20	VERTICAL
6	5503.21	117.82			114.60	3.54	34.60	34.92	Peak	100	20	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5457.12	52.62	54.00	-1.38	49.49	3.52	34.53	34.92	Average	100	65	VERTICAL
2	5457.12	62.95	74.00	-11.05	59.82	3.52	34.53	34.92	Peak	100	65	VERTICAL
3	5459.42	52.78	54.00	-1.22	49.65	3.52	34.53	34.92	Average	100	65	VERTICAL
4	5461.35	64.55	74.00	-9.45	61.42	3.52	34.53	34.92	Peak	100	65	VERTICAL
5	5581.92	107.68			104.42	3.56	34.63	34.93	Average	100	65	VERTICAL
6	5582.40	118.81			115.55	3.56	34.63	34.93	Peak	100	65	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5699.04	102.75			99.42	3.59	34.68	34.94	Average	100	77	VERTICAL
2	5701.60	114.23			110.90	3.59	34.68	34.94	Peak	100	77	VERTICAL
3	5725.00	50.98	54.00	-3.02	47.63	3.60	34.69	34.94	Average	100	77	VERTICAL
4	5725.96	72.47	74.00	-1.53	69.12	3.60	34.69	34.94	Peak	100	77	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5718.40	125.11			121.76	3.60	34.69	34.94	Peak	132	348	VERTICAL
2	5720.80	113.67			110.32	3.60	34.69	34.94	Average	132	348	VERTICAL
3	5850.00	52.98	54.00	-1.02	49.55	3.64	34.74	34.95	Average	132	348	VERTICAL
4	5854.81	69.25	74.00	-4.75	65.82	3.64	34.74	34.95	Peak	132	348	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5265.19	104.34			101.52	3.46	34.27	34.91	Average	102	351	VERTICAL
2	5267.60	116.06			113.24	3.46	34.27	34.91	Peak	102	351	VERTICAL
3	5353.21	52.67	54.00	-1.33	49.70	3.49	34.39	34.91	Average	102	351	VERTICAL
4	5353.21	65.57	74.00	-8.43	62.60	3.49	34.39	34.91	Peak	102	351	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5315.77	98.93			96.02	3.48	34.34	34.91	Average	100	346	VERTICAL
2	5315.77	110.82			107.91	3.48	34.34	34.91	Peak	100	346	VERTICAL
3	5350.32	67.60	74.00	-6.40	64.63	3.49	34.39	34.91	Peak	100	346	VERTICAL
4	5350.64	52.95	54.00	-1.05	49.98	3.49	34.39	34.91	Average	100	346	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5451.99	62.82	74.00	-11.18	59.69	3.52	34.53	34.92	Peak	100	19	VERTICAL
2	5460.00	49.20	54.00	-4.80	46.07	3.52	34.53	34.92	Average	100	19	VERTICAL
3	5468.40	52.93	54.00	-1.07	49.78	3.52	34.55	34.92	Average	100	19	VERTICAL
4	5469.68	70.91	74.00	-3.09	67.76	3.52	34.55	34.92	Peak	100	19	VERTICAL
5	5505.51	101.16			97.94	3.54	34.60	34.92	Average	100	19	VERTICAL
6	5505.51	112.41			109.19	3.54	34.60	34.92	Peak	100	19	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5435.00	52.63	54.00	-1.37	49.52	3.52	34.51	34.92	Average	100	20	VERTICAL
2	5456.15	64.30	74.00	-9.70	61.17	3.52	34.53	34.92	Peak	100	20	VERTICAL
3	5457.60	50.26	54.00	-3.74	47.13	3.52	34.53	34.92	Average	100	20	VERTICAL
4	5467.60	66.56	74.00	-7.44	63.41	3.52	34.55	34.92	Peak	100	20	VERTICAL
5	5552.89	102.85			99.61	3.55	34.62	34.93	Average	100	20	VERTICAL
6	5555.77	114.42			111.18	3.55	34.62	34.93	Peak	100	20	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5656.86	100.79			97.47	3.59	34.66	34.93	Average	100	77	VERTICAL
2	5657.18	112.96			109.64	3.59	34.66	34.93	Peak	100	77	VERTICAL
3	5725.00	52.71	54.00	-1.29	49.36	3.60	34.69	34.94	Average	100	77	VERTICAL
4	5725.32	72.98	74.00	-1.02	69.63	3.60	34.69	34.94	Peak	100	77	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.61	107.38			104.04	3.60	34.68	34.94	Average	132	349	VERTICAL
2	5718.01	119.08			115.73	3.60	34.69	34.94	Peak	132	349	VERTICAL
3	5852.40	52.77	54.00	-1.23	49.34	3.64	34.74	34.95	Average	132	349	VERTICAL
4	5854.81	67.93	74.00	-6.07	64.50	3.64	34.74	34.95	Peak	132	349	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.50	42.99	54.00	-11.01	40.36	3.43	34.11	34.91	Average	111	353	VERTICAL
2	5147.60	55.08	74.00	-18.92	52.45	3.43	34.11	34.91	Peak	111	353	VERTICAL
3	5300.42	105.59			102.70	3.48	34.32	34.91	Peak	111	353	VERTICAL
4	5314.84	93.33			90.42	3.48	34.34	34.91	Average	111	353	VERTICAL
5	5350.00	52.91	54.00	-1.09	49.94	3.49	34.39	34.91	Average	111	353	VERTICAL
6	5350.00	66.85	74.00	-7.15	63.88	3.49	34.39	34.91	Peak	111	353	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5456.80	66.34	74.00	-7.66	63.21	3.52	34.53	34.92	Peak	100	20	VERTICAL
2	5460.00	52.05	54.00	-1.95	48.92	3.52	34.53	34.92	Average	100	20	VERTICAL
3	5470.00	52.84	54.00	-1.16	49.69	3.52	34.55	34.92	Average	100	20	VERTICAL
4	5470.00	68.25	74.00	-5.75	65.10	3.52	34.55	34.92	Peak	100	20	VERTICAL
5	5520.39	95.52			92.29	3.54	34.61	34.92	Average	100	20	VERTICAL
6	5538.01	108.59			105.35	3.55	34.61	34.92	Peak	100	20	VERTICAL
7	5725.00	43.75	74.00	-30.25	40.40	3.60	34.69	34.94	Peak	100	20	VERTICAL
8	5729.01	56.45	74.00	-17.55	53.10	3.60	34.69	34.94	Peak	100	20	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2
Test Date	Jun. 09, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5454.39	60.80	74.00	-13.20	57.67	3.52	34.53	34.92	Peak	100	70	VERTICAL
2	5460.00	46.96	54.00	-7.04	43.83	3.52	34.53	34.92	Average	100	70	VERTICAL
3	5463.59	64.51	74.00	-9.49	61.36	3.52	34.55	34.92	Peak	100	70	VERTICAL
4	5470.00	48.66	54.00	-5.34	45.51	3.52	34.55	34.92	Average	100	70	VERTICAL
5	5599.58	95.17			91.90	3.56	34.64	34.93	Average	100	70	VERTICAL
6	5599.58	107.71			104.44	3.56	34.64	34.93	Peak	100	70	VERTICAL
7	5725.00	52.56	54.00	-1.44	49.21	3.60	34.69	34.94	Average	100	70	VERTICAL
8	5730.61	68.39	74.00	-5.61	65.03	3.61	34.69	34.94	Peak	100	70	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5682.79	113.72			110.40	3.59	34.67	34.94	Peak	134	354	VERTICAL
2	5685.19	100.56			97.23	3.59	34.68	34.94	Average	134	354	VERTICAL
3	5850.80	52.78	54.00	-1.22	49.35	3.64	34.74	34.95	Average	134	354	VERTICAL
4	5851.60	68.53	74.00	-5.47	65.10	3.64	34.74	34.95	Peak	134	354	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5138.78	50.00	54.00	-4.00	47.39	3.43	34.09	34.91	Average	108	6	VERTICAL
2	5138.78	60.68	74.00	-13.32	58.07	3.43	34.09	34.91	Peak	108	6	VERTICAL
3	5259.20	109.83			107.01	3.46	34.27	34.91	Average	108	6	VERTICAL
4	5264.81	120.00			117.18	3.46	34.27	34.91	Peak	108	6	VERTICAL
5	5384.46	52.68	54.00	-1.32	49.66	3.50	34.44	34.92	Average	108	6	VERTICAL
6	5384.46	63.94	74.00	-10.06	60.92	3.50	34.44	34.92	Peak	108	6	VERTICAL
7	5701.60	64.84	68.20	-3.36	61.51	3.59	34.68	34.94	Peak	108	6	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5300.80	108.03			105.14	3.48	34.32	34.91	Average	108	18	VERTICAL
2	5306.41	117.33			114.44	3.48	34.32	34.91	Peak	108	18	VERTICAL
3	5381.25	52.60	54.00	-1.40	49.58	3.50	34.44	34.92	Average	108	18	VERTICAL
4	5416.51	65.01	74.00	-8.99	61.94	3.51	34.48	34.92	Peak	108	18	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5320.80	108.95			106.04	3.48	34.34	34.91	Average	106	348	VERTICAL
2	5320.80	119.20			116.29	3.48	34.34	34.91	Peak	106	348	VERTICAL
3	5440.77	52.81	54.00	-1.19	49.70	3.52	34.51	34.92	Average	106	348	VERTICAL
4	5446.15	65.35	74.00	-8.65	62.22	3.52	34.53	34.92	Peak	106	348	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5041.73	52.64	54.00	-1.36	50.17	3.40	33.97	34.90	Average	104	17	VERTICAL
2	5046.54	62.86	74.00	-11.14	60.39	3.40	33.97	34.90	Peak	104	17	VERTICAL
3	5416.73	60.07	74.00	-13.93	57.00	3.51	34.48	34.92	Peak	104	17	VERTICAL
4	5421.54	48.73	54.00	-5.27	45.66	3.51	34.48	34.92	Average	104	17	VERTICAL
5	5468.40	60.72	74.00	-13.28	57.57	3.52	34.55	34.92	Peak	104	17	VERTICAL
6	5470.00	47.86	54.00	-6.14	44.71	3.52	34.55	34.92	Average	104	17	VERTICAL
7	5501.60	106.28			103.06	3.54	34.60	34.92	Average	104	17	VERTICAL
8	5501.60	116.83			113.61	3.54	34.60	34.92	Peak	104	17	VERTICAL

Item 7, 8 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5108.33	62.94	74.00	-11.06	60.36	3.42	34.06	34.90	Peak	103	27	VERTICAL
2	5111.54	52.54	54.00	-1.46	49.96	3.42	34.06	34.90	Average	103	27	VERTICAL
3	5456.80	51.34	54.00	-2.66	48.21	3.52	34.53	34.92	Average	103	27	VERTICAL
4	5456.80	62.10	74.00	-11.90	58.97	3.52	34.53	34.92	Peak	103	27	VERTICAL
5	5466.80	62.23	74.00	-11.77	59.08	3.52	34.55	34.92	Peak	103	27	VERTICAL
6	5468.40	52.36	54.00	-1.64	49.21	3.52	34.55	34.92	Average	103	27	VERTICAL
7	5571.99	106.80			103.55	3.55	34.63	34.93	Average	103	27	VERTICAL
8	5573.59	116.31			113.06	3.55	34.63	34.93	Peak	103	27	VERTICAL

Item 7, 8 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5701.60	108.46			105.13	3.59	34.68	34.94	Average	108	2	VERTICAL
2	5701.92	119.98			116.65	3.59	34.68	34.94	Peak	108	2	VERTICAL
3	5727.08	67.10	68.20	-1.10	63.75	3.60	34.69	34.94	Peak	108	2	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5250.00	66.73	68.20	-1.47	63.93	3.46	34.25	34.91	Peak	100	26	VERTICAL
2	5721.60	113.25			109.90	3.60	34.69	34.94	Average	100	26	VERTICAL
3	5723.21	124.84			121.49	3.60	34.69	34.94	Peak	100	26	VERTICAL
4	5872.44	63.70	68.20	-4.50	60.25	3.65	34.75	34.95	Peak	100	26	VERTICAL

Item 2, 3 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.19	63.79	74.00	-10.21	61.16	3.43	34.11	34.91	Peak	109	8	VERTICAL
2	5149.20	52.36	54.00	-1.64	49.73	3.43	34.11	34.91	Average	109	8	VERTICAL
3	5263.59	109.20			106.38	3.46	34.27	34.91	Average	109	8	VERTICAL
4	5264.39	121.01			118.19	3.46	34.27	34.91	Peak	109	8	VERTICAL
5	5354.01	52.66	54.00	-1.34	49.69	3.49	34.39	34.91	Average	109	8	VERTICAL
6	5354.01	64.87	74.00	-9.13	61.90	3.49	34.39	34.91	Peak	109	8	VERTICAL

Item 3, 4 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5314.01	102.73			99.82	3.48	34.34	34.91	Average	108	8	VERTICAL
2	5314.81	113.47			110.56	3.48	34.34	34.91	Peak	108	8	VERTICAL
3	5350.00	52.95	54.00	-1.05	49.98	3.49	34.39	34.91	Average	108	8	VERTICAL
4	5350.00	66.17	74.00	-7.83	63.20	3.49	34.39	34.91	Peak	108	8	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	48.52	54.00	-5.48	45.39	3.52	34.53	34.92	Average	103	17	VERTICAL
2	5460.00	62.47	74.00	-11.53	59.34	3.52	34.53	34.92	Peak	103	17	VERTICAL
3	5465.51	67.81	74.00	-6.19	64.66	3.52	34.55	34.92	Peak	103	17	VERTICAL
4	5470.00	52.76	54.00	-1.24	49.61	3.52	34.55	34.92	Average	103	17	VERTICAL
5	5515.45	114.95			111.72	3.54	34.61	34.92	Peak	103	17	VERTICAL
6	5515.77	102.57			99.34	3.54	34.61	34.92	Average	103	17	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5435.16	64.31	74.00	-9.69	61.20	3.52	34.51	34.92	Peak	101	16	VERTICAL
2	5435.55	52.85	54.00	-1.15	49.74	3.52	34.51	34.92	Average	101	16	VERTICAL
3	5465.99	52.64	54.00	-1.36	49.49	3.52	34.55	34.92	Average	101	16	VERTICAL
4	5465.99	64.82	74.00	-9.18	61.67	3.52	34.55	34.92	Peak	101	16	VERTICAL
5	5554.81	119.24			116.00	3.55	34.62	34.93	Peak	101	16	VERTICAL
6	5555.61	107.96			104.72	3.55	34.62	34.93	Average	101	16	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5686.83	104.46			101.13	3.59	34.68	34.94	Average	108	0	VERTICAL
2	5687.63	116.53			113.20	3.59	34.68	34.94	Peak	108	0	VERTICAL
3	5726.28	67.36	74.00	-6.64	64.01	3.60	34.69	34.94	Peak	108	0	VERTICAL
4	5737.02	52.71	54.00	-1.29	49.34	3.61	34.70	34.94	Average	108	0	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.81	123.27			119.93	3.60	34.68	34.94	Peak	100	349	VERTICAL
2	5715.61	111.82			108.48	3.60	34.68	34.94	Average	100	349	VERTICAL
3	5850.80	67.39	74.00	-6.61	63.96	3.64	34.74	34.95	Peak	100	349	VERTICAL
4	5855.61	52.50	54.00	-1.50	49.07	3.64	34.74	34.95	Average	100	349	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	45.24	54.00	-8.76	42.61	3.43	34.11	34.91	Average	118	6	VERTICAL
2	5150.00	58.05	74.00	-15.95	55.42	3.43	34.11	34.91	Peak	118	6	VERTICAL
3	5263.56	95.75			92.93	3.46	34.27	34.91	Average	118	6	VERTICAL
4	5274.78	108.97			106.14	3.47	34.27	34.91	Peak	118	6	VERTICAL
5	5350.00	52.47	54.00	-1.53	49.50	3.49	34.39	34.91	Average	118	6	VERTICAL
6	5354.01	66.28	74.00	-7.72	63.31	3.49	34.39	34.91	Peak	118	6	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5452.79	63.49	74.00	-10.51	60.36	3.52	34.53	34.92	Peak	122	1	VERTICAL
2	5457.60	50.99	54.00	-3.01	47.86	3.52	34.53	34.92	Average	122	1	VERTICAL
3	5462.79	67.82	74.00	-6.18	64.67	3.52	34.55	34.92	Peak	122	1	VERTICAL
4	5466.80	52.93	54.00	-1.07	49.78	3.52	34.55	34.92	Average	122	1	VERTICAL
5	5546.83	97.01			93.77	3.55	34.61	34.92	Average	122	1	VERTICAL
6	5552.44	110.03			106.79	3.55	34.62	34.93	Peak	122	1	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5446.38	66.73	74.00	-7.27	63.60	3.52	34.53	34.92	Peak	138	1	VERTICAL
2	5456.80	50.36	54.00	-3.64	47.23	3.52	34.53	34.92	Average	138	1	VERTICAL
3	5462.79	70.19	74.00	-3.81	67.04	3.52	34.55	34.92	Peak	138	1	VERTICAL
4	5467.60	52.10	54.00	-1.90	48.95	3.52	34.55	34.92	Average	138	1	VERTICAL
5	5597.18	101.09			97.83	3.56	34.63	34.93	Average	138	1	VERTICAL
6	5602.79	114.89			111.61	3.57	34.64	34.93	Peak	138	1	VERTICAL
7	5726.60	52.96	54.00	-1.04	49.61	3.60	34.69	34.94	Average	138	1	VERTICAL
8	5742.63	72.08	74.00	-1.92	68.71	3.61	34.70	34.94	Peak	138	1	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5687.60	104.62			101.29	3.59	34.68	34.94	Average	101	2	VERTICAL
2	5698.01	118.48			115.15	3.59	34.68	34.94	Peak	101	2	VERTICAL
3	5852.40	52.16	54.00	-1.84	48.73	3.64	34.74	34.95	Average	101	2	VERTICAL
4	5857.21	68.44	74.00	-5.56	65.01	3.64	34.74	34.95	Peak	101	2	VERTICAL

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

Note:

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

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

<For STBC Mode>

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Jun. 05, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5131.40	62.46	74.00	-11.54	59.85	3.43	34.09	34.91	Peak	100	238	VERTICAL
2	5132.00	50.66	54.00	-3.34	48.05	3.43	34.09	34.91	Average	100	238	VERTICAL
3	5261.80	119.84			117.02	3.46	34.27	34.91	Peak	100	238	VERTICAL
4	5262.40	107.80			104.98	3.46	34.27	34.91	Average	100	238	VERTICAL
5	5378.80	65.17	74.00	-8.83	62.15	3.50	34.44	34.92	Peak	100	238	VERTICAL
6	5382.40	52.62	54.00	-1.38	49.60	3.50	34.44	34.92	Average	100	238	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5299.20	120.21			117.32	3.48	34.32	34.91	Peak	100	236	VERTICAL
2	5302.00	108.19			105.30	3.48	34.32	34.91	Average	100	236	VERTICAL
3	5350.00	52.87	54.00	-1.13	49.90	3.49	34.39	34.91	Average	100	236	VERTICAL
4	5352.00	66.99	74.00	-7.01	64.02	3.49	34.39	34.91	Peak	100	236	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5317.40	117.00			114.09	3.48	34.34	34.91	Peak	100	249	VERTICAL
2	5317.80	105.56			102.65	3.48	34.34	34.91	Average	100	249	VERTICAL
3	5350.00	52.80	54.00	-1.20	49.83	3.49	34.39	34.91	Average	100	249	VERTICAL
4	5350.80	69.85	74.00	-4.15	66.88	3.49	34.39	34.91	Peak	100	249	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.70	47.42	54.00	-6.58	44.29	3.52	34.53	34.92	Average	102	308	VERTICAL
2	5459.80	64.56	74.00	-9.44	61.43	3.52	34.53	34.92	Peak	102	308	VERTICAL
3	5469.60	70.03	74.00	-3.97	66.88	3.52	34.55	34.92	Peak	102	308	VERTICAL
4	5470.00	52.30	54.00	-1.70	49.15	3.52	34.55	34.92	Average	102	308	VERTICAL
5	5502.20	104.49			101.27	3.54	34.60	34.92	Average	102	308	VERTICAL
6	5502.80	116.91			113.69	3.54	34.60	34.92	Peak	102	308	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.40	51.99	54.00	-2.01	48.86	3.52	34.53	34.92	Average	100	54	VERTICAL
2	5459.40	62.54	74.00	-11.46	59.41	3.52	34.53	34.92	Peak	100	54	VERTICAL
3	5462.80	64.79	74.00	-9.21	61.64	3.52	34.55	34.92	Peak	100	54	VERTICAL
4	5466.00	52.87	54.00	-1.13	49.72	3.52	34.55	34.92	Average	100	54	VERTICAL
5	5581.20	117.81			114.55	3.56	34.63	34.93	Peak	100	54	VERTICAL
6	5586.60	105.93			102.67	3.56	34.63	34.93	Average	100	54	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5697.60	103.63			100.30	3.59	34.68	34.94	Average	100	240	VERTICAL
2	5698.00	114.98			111.65	3.59	34.68	34.94	Peak	100	240	VERTICAL
3	5725.00	51.06	54.00	-2.94	47.71	3.60	34.69	34.94	Average	100	240	VERTICAL
4	5725.40	72.40	74.00	-1.60	69.05	3.60	34.69	34.94	Peak	100	240	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5717.60	110.55			107.20	3.60	34.69	34.94	Average	100	47	VERTICAL
2	5720.00	121.69			118.34	3.60	34.69	34.94	Peak	100	47	VERTICAL
3	5850.00	49.64	54.00	-4.36	46.21	3.64	34.74	34.95	Average	100	47	VERTICAL
4	5852.40	62.02	74.00	-11.98	58.59	3.64	34.74	34.95	Peak	100	47	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5263.60	115.21			112.39	3.46	34.27	34.91	Peak	100	238	VERTICAL
2	5266.40	102.13			99.31	3.46	34.27	34.91	Average	100	238	VERTICAL
3	5351.20	52.66	54.00	-1.34	49.69	3.49	34.39	34.91	Average	100	238	VERTICAL
4	5352.80	67.41	74.00	-6.59	64.44	3.49	34.39	34.91	Peak	100	238	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5314.40	97.00			94.09	3.48	34.34	34.91	Average	100	244	VERTICAL
2	5323.20	110.03			107.11	3.49	34.34	34.91	Peak	100	244	VERTICAL
3	5350.00	52.95	54.00	-1.05	49.98	3.49	34.39	34.91	Average	100	244	VERTICAL
4	5351.20	69.95	74.00	-4.05	66.98	3.49	34.39	34.91	Peak	100	244	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5457.60	46.28	54.00	-7.72	43.15	3.52	34.53	34.92	Average	100	306	VERTICAL
2	5457.60	64.39	74.00	-9.61	61.26	3.52	34.53	34.92	Peak	100	306	VERTICAL
3	5466.80	72.19	74.00	-1.81	69.04	3.52	34.55	34.92	Peak	100	306	VERTICAL
4	5470.00	51.76	54.00	-2.24	48.61	3.52	34.55	34.92	Average	100	306	VERTICAL
5	5505.20	97.61			94.39	3.54	34.60	34.92	Average	100	306	VERTICAL
6	5512.80	110.18			106.96	3.54	34.60	34.92	Peak	100	306	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.00	66.21	74.00	-7.79	63.08	3.52	34.53	34.92	Peak	100	55	VERTICAL
2	5460.00	50.50	54.00	-3.50	47.37	3.52	34.53	34.92	Average	100	55	VERTICAL
3	5467.20	66.68	74.00	-7.32	63.53	3.52	34.55	34.92	Peak	100	55	VERTICAL
4	5468.00	52.83	54.00	-1.17	49.68	3.52	34.55	34.92	Average	100	55	VERTICAL
5	5546.00	115.56			112.32	3.55	34.61	34.92	Peak	100	55	VERTICAL
6	5546.40	103.43			100.19	3.55	34.61	34.92	Average	100	55	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5666.40	100.64			97.32	3.59	34.66	34.93	Average	100	56	VERTICAL
2	5666.40	113.30			109.98	3.59	34.66	34.93	Peak	100	56	VERTICAL
3	5725.00	52.41	54.00	-1.59	49.06	3.60	34.69	34.94	Average	100	56	VERTICAL
4	5728.20	70.75	74.00	-3.25	67.40	3.60	34.69	34.94	Peak	100	56	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.21	107.12			103.78	3.60	34.68	34.94	Average	100	63	VERTICAL
2	5714.81	118.75			115.41	3.60	34.68	34.94	Peak	100	63	VERTICAL
3	5852.40	52.65	54.00	-1.35	49.22	3.64	34.74	34.95	Average	100	63	VERTICAL
4	5871.64	68.62	74.00	-5.38	65.17	3.65	34.75	34.95	Peak	100	63	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5114.00	55.78	74.00	-18.22	53.20	3.42	34.06	34.90	Peak	100	245	VERTICAL
2	5150.00	43.80	54.00	-10.20	41.17	3.43	34.11	34.91	Average	100	245	VERTICAL
3	5285.00	92.57			89.71	3.47	34.30	34.91	Average	100	245	VERTICAL
4	5293.00	106.74			103.86	3.47	34.32	34.91	Peak	100	245	VERTICAL
5	5350.00	52.91	54.00	-1.09	49.94	3.49	34.39	34.91	Average	100	245	VERTICAL
6	5358.00	69.46	74.00	-4.54	66.49	3.49	34.39	34.91	Peak	100	245	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5452.00	66.14	74.00	-7.86	63.01	3.52	34.53	34.92	Peak	100	243	VERTICAL
2	5460.00	50.31	54.00	-3.69	47.18	3.52	34.53	34.92	Average	100	243	VERTICAL
3	5470.00	52.40	54.00	-1.60	49.25	3.52	34.55	34.92	Average	100	243	VERTICAL
4	5470.00	70.51	74.00	-3.49	67.36	3.52	34.55	34.92	Peak	100	243	VERTICAL
5	5515.00	106.40			103.17	3.54	34.61	34.92	Peak	100	243	VERTICAL
6	5518.00	93.06			89.83	3.54	34.61	34.92	Average	100	243	VERTICAL
7	5725.00	43.26	54.00	-10.74	39.91	3.60	34.69	34.94	Average	100	243	VERTICAL
8	5728.00	56.24	74.00	-17.76	52.89	3.60	34.69	34.94	Peak	100	243	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5582.00	110.88			107.62	3.56	34.63	34.93	Peak	100	56	VERTICAL
2	5586.00	97.37			94.11	3.56	34.63	34.93	Average	100	56	VERTICAL
3	5725.00	52.85	54.00	-1.15	49.50	3.60	34.69	34.94	Average	100	56	VERTICAL
4	5732.00	66.40	74.00	-7.60	63.04	3.61	34.69	34.94	Peak	100	56	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5676.00	98.05			94.72	3.59	34.67	34.93	Average	100	57	VERTICAL
2	5682.00	111.49			108.17	3.59	34.67	34.94	Peak	100	57	VERTICAL
3	5850.00	52.23	54.00	-1.77	48.80	3.64	34.74	34.95	Average	100	57	VERTICAL
4	5857.00	65.83	74.00	-8.17	62.40	3.64	34.74	34.95	Peak	100	57	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5137.98	63.77	74.00	-10.23	61.16	3.43	34.09	34.91	Peak	100	298	VERTICAL
2	5147.60	52.16	54.00	-1.84	49.53	3.43	34.11	34.91	Average	100	298	VERTICAL
3	5259.20	122.29			119.47	3.46	34.27	34.91	Peak	100	298	VERTICAL
4	5262.40	111.12			108.30	3.46	34.27	34.91	Average	100	298	VERTICAL
5	5382.05	52.68	54.00	-1.32	49.66	3.50	34.44	34.92	Average	100	298	VERTICAL
6	5384.46	64.98	74.00	-9.02	61.96	3.50	34.44	34.92	Peak	100	298	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5134.78	58.59	74.00	-15.41	55.98	3.43	34.09	34.91	Peak	100	59	VERTICAL
2	5145.99	46.33	54.00	-7.67	43.70	3.43	34.11	34.91	Average	100	59	VERTICAL
3	5293.59	109.57			106.69	3.47	34.32	34.91	Average	100	59	VERTICAL
4	5298.40	120.22			117.33	3.48	34.32	34.91	Peak	100	59	VERTICAL
5	5414.10	52.79	54.00	-1.21	49.72	3.51	34.48	34.92	Average	100	59	VERTICAL
6	5414.90	64.61	74.00	-9.39	61.54	3.51	34.48	34.92	Peak	100	59	VERTICAL

Item 3, 4 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	45.62	54.00	-8.38	42.99	3.43	34.11	34.91	Average	100	299	VERTICAL
2	5150.00	55.32	74.00	-18.68	52.69	3.43	34.11	34.91	Peak	100	299	VERTICAL
3	5322.40	108.20			105.28	3.49	34.34	34.91	Average	100	299	VERTICAL
4	5322.40	118.48			115.56	3.49	34.34	34.91	Peak	100	299	VERTICAL
5	5350.00	52.99	54.00	-1.01	50.02	3.49	34.39	34.91	Average	100	299	VERTICAL
6	5350.00	66.80	74.00	-7.20	63.83	3.49	34.39	34.91	Peak	100	299	VERTICAL

Item 3, 4 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5337.40	49.33	54.00	-4.67	46.38	3.49	34.37	34.91	Average	100	305	VERTICAL
2	5458.40	62.23	74.00	-11.77	59.10	3.52	34.53	34.92	Peak	100	305	VERTICAL
3	5469.20	70.99	74.00	-3.01	67.84	3.52	34.55	34.92	Peak	100	305	VERTICAL
4	5470.00	52.58	54.00	-1.42	49.43	3.52	34.55	34.92	Average	100	305	VERTICAL
5	5497.60	106.24			103.03	3.53	34.60	34.92	Average	100	305	VERTICAL
6	5499.20	119.05			115.84	3.53	34.60	34.92	Peak	100	305	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5457.18	52.79	54.00	-1.21	49.66	3.52	34.53	34.92	Average	103	305	VERTICAL
2	5459.20	65.55	74.00	-8.45	62.42	3.52	34.53	34.92	Peak	103	305	VERTICAL
3	5461.99	64.26	68.20	-3.94	61.13	3.52	34.53	34.92	Peak	103	305	VERTICAL
4	5577.60	107.23			103.97	3.56	34.63	34.93	Average	103	305	VERTICAL
5	5579.20	119.49			116.23	3.56	34.63	34.93	Peak	103	305	VERTICAL
6	5725.00	45.31	68.20	-22.89	41.96	3.60	34.69	34.94	Average	103	305	VERTICAL
7	5738.62	59.10	68.20	-9.10	55.73	3.61	34.70	34.94	Peak	103	305	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5700.80	102.95			99.62	3.59	34.68	34.94	Average	105	57	VERTICAL
2	5701.44	116.16			112.83	3.59	34.68	34.94	Peak	105	57	VERTICAL
3	5725.00	49.42	54.00	-4.58	46.07	3.60	34.69	34.94	Average	105	57	VERTICAL
4	5725.16	72.75	74.00	-1.25	69.40	3.60	34.69	34.94	Peak	105	57	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5722.40	111.89			108.54	3.60	34.69	34.94	Average	100	40	VERTICAL
2	5723.21	123.21			119.86	3.60	34.69	34.94	Peak	100	40	VERTICAL
3	5850.00	50.27	54.00	-3.73	46.84	3.64	34.74	34.95	Average	100	40	VERTICAL
4	5850.00	62.22	74.00	-11.78	58.79	3.64	34.74	34.95	Peak	100	40	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.20	105.15			101.39	6.06	33.15	35.45	100	300	VERTICAL	Average
2	5266.40	116.53			112.78	6.06	33.15	35.46	100	300	VERTICAL	Peak
3	5352.20	52.73	54.00	-1.27	48.71	6.11	33.40	35.49	100	300	VERTICAL	Average
4	5353.20	66.48	74.00	-7.52	62.46	6.11	33.40	35.49	100	300	VERTICAL	Peak

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.40	99.40			95.48	6.09	33.30	35.47	100	122	VERTICAL	Average
2	5314.40	110.56			106.64	6.09	33.30	35.47	100	122	VERTICAL	Peak
3	5350.00	52.99	54.00	-1.01	48.97	6.11	33.40	35.49	100	122	VERTICAL	Average
4	5353.20	67.82	74.00	-6.18	63.80	6.11	33.40	35.49	100	122	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.80	61.80	74.00	-12.20	57.39	6.18	33.75	35.52	100	126	VERTICAL	Peak
2	5460.00	48.30	54.00	-5.70	43.90	6.18	33.75	35.53	100	126	VERTICAL	Average
3	5467.00	69.89	74.00	-4.11	65.44	6.18	33.80	35.53	100	126	VERTICAL	Peak
4	5470.00	52.41	54.00	-1.59	47.96	6.18	33.80	35.53	100	126	VERTICAL	Average
5	5506.40	99.52			94.95	6.20	33.90	35.53	100	126	VERTICAL	Average
6	5515.80	110.00			105.40	6.21	33.92	35.53	100	126	VERTICAL	Peak

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.20	67.17	74.00	-6.83	62.77	6.17	33.75	35.52	100	126	VERTICAL	Peak
2	5460.00	51.13	54.00	-2.87	46.73	6.18	33.75	35.53	100	126	VERTICAL	Average
3	5466.60	52.62	54.00	-1.38	48.17	6.18	33.80	35.53	100	126	VERTICAL	Average
4	5470.00	68.39			63.94	6.18	33.80	35.53	100	126	VERTICAL	Peak
5	5553.40	103.27			98.56	6.24	33.96	35.49	100	126	VERTICAL	Average

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5664.00	111.71			106.70	6.31	34.10	35.40	100	126	VERTICAL	Peak
2	5673.60	101.42			96.37	6.32	34.12	35.39	100	126	VERTICAL	Average
3	5725.00	52.96	54.00	-1.04	47.77	6.35	34.18	35.34	100	126	VERTICAL	Average
4	5725.40	68.07	74.00	-5.93	62.88	6.35	34.18	35.34	100	126	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 06, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5718.81	118.72			115.37	3.60	34.69	34.94	Peak	100	47	VERTICAL
2	5722.82	105.80			102.45	3.60	34.69	34.94	Average	100	47	VERTICAL
3	5852.40	52.47	54.00	-1.53	49.04	3.64	34.74	34.95	Average	100	47	VERTICAL
4	5852.40	68.84	74.00	-5.16	65.41	3.64	34.74	34.95	Peak	100	47	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.50	45.93	54.00	-8.07	42.33	5.99	33.02	35.41	100	269	VERTICAL	Average
2	5150.00	59.93	74.00	-14.07	56.33	5.99	33.02	35.41	100	269	VERTICAL	Peak
3	5263.50	106.86			103.10	6.06	33.15	35.45	100	269	VERTICAL	Peak
4	5286.50	93.92			90.10	6.08	33.20	35.46	100	269	VERTICAL	Average
5	5350.00	52.58	54.00	-1.42	48.56	6.11	33.40	35.49	100	269	VERTICAL	Average
6	5351.00	67.08	74.00	-6.92	63.06	6.11	33.40	35.49	100	269	VERTICAL	Peak

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5444.00	66.66	74.00	-7.34	62.31	6.17	33.70	35.52	100	124	VERTICAL	Peak
2	5460.00	51.39	54.00	-2.61	46.99	6.18	33.75	35.53	100	124	VERTICAL	Average
3	5462.00	69.24	74.00	-4.76	64.84	6.18	33.75	35.53	100	124	VERTICAL	Peak
4	5470.00	52.98	54.00	-1.02	48.53	6.18	33.80	35.53	100	124	VERTICAL	Average
5	5504.00	93.55			88.99	6.20	33.90	35.54	100	124	VERTICAL	Average
6	5504.00	107.16			102.60	6.20	33.90	35.54	100	124	VERTICAL	Peak
7	5725.00	44.97	54.00	-9.03	39.78	6.35	34.18	35.34	100	124	VERTICAL	Average
8	5725.00	59.55	74.00	-14.45	54.36	6.35	34.18	35.34	100	124	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 04, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5599.00	110.75			107.48	3.56	34.64	34.93	Peak	111	22	VERTICAL
2	5601.00	97.07			93.80	3.56	34.64	34.93	Average	111	22	VERTICAL
3	5725.00	52.33	54.00	-1.67	48.98	3.60	34.69	34.94	Average	111	22	VERTICAL
4	5725.00	67.35	74.00	-6.65	64.00	3.60	34.69	34.94	Peak	111	22	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.00	111.19			107.86	3.59	34.68	34.94	Peak	100	68	VERTICAL
2	5702.00	98.09			94.76	3.59	34.68	34.94	Average	100	68	VERTICAL
3	5850.00	52.13	54.00	-1.87	48.70	3.64	34.74	34.95	Average	100	68	VERTICAL
4	5880.00	67.82	74.00	-6.18	64.37	3.65	34.75	34.95	Peak	100	68	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5141.35	52.90	54.00	-1.10	50.27	3.43	34.11	34.91	Average	100	17	VERTICAL
2	5141.83	65.68	74.00	-8.32	63.05	3.43	34.11	34.91	Peak	100	17	VERTICAL
3	5253.27	110.20			107.40	3.46	34.25	34.91	Average	100	17	VERTICAL
4	5260.96	121.41			118.59	3.46	34.27	34.91	Peak	100	17	VERTICAL
5	5373.56	49.71	54.00	-4.29	46.72	3.50	34.41	34.92	Average	100	17	VERTICAL
6	5375.00	61.85	74.00	-12.15	58.86	3.50	34.41	34.92	Peak	100	17	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5297.44	119.38			116.49	3.48	34.32	34.91	Peak	107	23	VERTICAL
2	5297.76	107.20			104.31	3.48	34.32	34.91	Average	107	23	VERTICAL
3	5350.00	52.98	54.00	-1.02	50.01	3.49	34.39	34.91	Average	107	23	VERTICAL
4	5350.00	69.49	74.00	-4.51	66.52	3.49	34.39	34.91	Peak	107	23	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5317.76	104.75			101.84	3.48	34.34	34.91	Average	107	24	VERTICAL
2	5318.08	116.01			113.10	3.48	34.34	34.91	Peak	107	24	VERTICAL
3	5350.00	52.73	54.00	-1.27	49.76	3.49	34.39	34.91	Average	107	24	VERTICAL
4	5352.89	68.56	74.00	-5.44	65.59	3.49	34.39	34.91	Peak	107	24	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.36	64.02	74.00	-9.98	60.89	3.52	34.53	34.92	Peak	113	352	VERTICAL
2	5460.00	48.58	54.00	-5.42	45.45	3.52	34.53	34.92	Average	113	352	VERTICAL
3	5468.08	70.83	74.00	-3.17	67.68	3.52	34.55	34.92	Peak	113	352	VERTICAL
4	5470.00	52.90	54.00	-1.10	49.75	3.52	34.55	34.92	Average	113	352	VERTICAL
5	5497.76	104.63			101.42	3.53	34.60	34.92	Average	113	352	VERTICAL
6	5497.76	116.52			113.31	3.53	34.60	34.92	Peak	113	352	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5452.79	63.01	74.00	-10.99	59.88	3.52	34.53	34.92	Peak	100	352	VERTICAL
2	5458.08	52.32	54.00	-1.68	49.19	3.52	34.53	34.92	Average	100	352	VERTICAL
3	5464.71	52.68	54.00	-1.32	49.53	3.52	34.55	34.92	Average	100	352	VERTICAL
4	5467.60	64.61	74.00	-9.39	61.46	3.52	34.55	34.92	Peak	100	352	VERTICAL
5	5577.60	108.88			105.62	3.56	34.63	34.93	Average	100	352	VERTICAL
6	5585.77	121.12			117.86	3.56	34.63	34.93	Peak	100	352	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5697.76	101.49			98.16	3.59	34.68	34.94	Average	105	19	VERTICAL
2	5698.40	113.21			109.88	3.59	34.68	34.94	Peak	105	19	VERTICAL
3	5725.00	49.95	54.00	-4.05	46.60	3.60	34.69	34.94	Average	105	19	VERTICAL
4	5726.92	72.94	74.00	-1.06	69.59	3.60	34.69	34.94	Peak	105	19	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.19	120.65			117.31	3.60	34.68	34.94	Peak	102	354	VERTICAL
2	5718.40	109.94			106.59	3.60	34.69	34.94	Average	102	354	VERTICAL
3	5850.00	52.50	54.00	-1.50	49.07	3.64	34.74	34.95	Average	102	354	VERTICAL
4	5851.60	66.24	74.00	-7.76	62.81	3.64	34.74	34.95	Peak	102	354	VERTICAL

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

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.23	60.77	74.00	-13.23	58.14	3.43	34.11	34.91	Peak	123	345	VERTICAL
2	5148.56	47.46	54.00	-6.54	44.83	3.43	34.11	34.91	Average	123	345	VERTICAL
3	5264.71	103.01			100.19	3.46	34.27	34.91	Average	123	345	VERTICAL
4	5265.67	116.95			114.13	3.46	34.27	34.91	Peak	123	345	VERTICAL
5	5350.00	52.82	54.00	-1.18	49.85	3.49	34.39	34.91	Average	123	345	VERTICAL
6	5355.77	68.75	74.00	-5.25	65.78	3.49	34.39	34.91	Peak	123	345	VERTICAL

Item 3, 4 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5317.69	98.08			95.17	3.48	34.34	34.91	Average	101	353	VERTICAL
2	5322.50	111.51			108.59	3.49	34.34	34.91	Peak	101	353	VERTICAL
3	5350.00	52.86	54.00	-1.14	49.89	3.49	34.39	34.91	Average	101	353	VERTICAL
4	5353.21	72.87	74.00	-1.13	69.90	3.49	34.39	34.91	Peak	101	353	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.04	69.94	74.00	-4.06	66.81	3.52	34.53	34.92	Peak	100	28	VERTICAL
2	5459.20	49.03	54.00	-4.97	45.90	3.52	34.53	34.92	Average	100	28	VERTICAL
3	5464.87	72.26	74.00	-1.74	69.11	3.52	34.55	34.92	Peak	100	28	VERTICAL
4	5470.00	52.61	54.00	-1.39	49.46	3.52	34.55	34.92	Average	100	28	VERTICAL
5	5501.67	111.89			108.67	3.54	34.60	34.92	Peak	100	28	VERTICAL
6	5502.31	99.16			95.94	3.54	34.60	34.92	Average	100	28	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5455.51	67.91	74.00	-6.09	64.78	3.52	34.53	34.92	Peak	100	20	VERTICAL
2	5460.00	51.36	54.00	-2.64	48.23	3.52	34.53	34.92	Average	100	20	VERTICAL
3	5469.36	70.17	74.00	-3.83	67.02	3.52	34.55	34.92	Peak	100	20	VERTICAL
4	5470.00	52.93	54.00	-1.07	49.78	3.52	34.55	34.92	Average	100	20	VERTICAL
5	5554.49	101.68			98.44	3.55	34.62	34.93	Average	100	20	VERTICAL
6	5554.49	114.78			111.54	3.55	34.62	34.93	Peak	100	20	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5663.59	110.36			107.04	3.59	34.66	34.93	Peak	100	79	VERTICAL
2	5666.47	97.12			93.80	3.59	34.66	34.93	Average	100	79	VERTICAL
3	5725.00	51.93	54.00	-2.07	48.58	3.60	34.69	34.94	Average	100	79	VERTICAL
4	5727.89	68.21	74.00	-5.79	64.86	3.60	34.69	34.94	Peak	100	79	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5718.01	104.66			101.31	3.60	34.69	34.94	Average	112	354	VERTICAL
2	5722.82	118.02			114.67	3.60	34.69	34.94	Peak	112	354	VERTICAL
3	5851.60	67.16	74.00	-6.84	63.73	3.64	34.74	34.95	Peak	112	354	VERTICAL
4	5852.40	52.93	54.00	-1.07	49.50	3.64	34.74	34.95	Average	112	354	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5316.44	91.47			88.56	3.48	34.34	34.91	Average	100	347	VERTICAL
2	5318.85	105.24			102.33	3.48	34.34	34.91	Peak	100	347	VERTICAL
3	5352.40	52.55	54.00	-1.45	49.58	3.49	34.39	34.91	Average	100	347	VERTICAL
4	5370.83	67.73	74.00	-6.27	64.74	3.49	34.41	34.91	Peak	100	347	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	50.45	54.00	-3.55	47.32	3.52	34.53	34.92	Average	100	18	VERTICAL
2	5460.00	70.19	74.00	-3.81	67.06	3.52	34.53	34.92	Peak	100	18	VERTICAL
3	5467.60	71.08	74.00	-2.92	67.93	3.52	34.55	34.92	Peak	100	18	VERTICAL
4	5470.00	52.54	54.00	-1.46	49.39	3.52	34.55	34.92	Average	100	18	VERTICAL
5	5517.98	94.21			90.98	3.54	34.61	34.92	Average	100	18	VERTICAL
6	5518.78	106.89			103.66	3.54	34.61	34.92	Peak	100	18	VERTICAL
7	5725.00	42.46	54.00	-11.54	39.11	3.60	34.69	34.94	Average	100	18	VERTICAL
8	5747.44	55.27	74.00	-18.73	51.90	3.61	34.70	34.94	Peak	100	18	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	48.08	54.00	-5.92	44.95	3.52	34.53	34.92	Average	100	66	VERTICAL
2	5460.00	62.74	74.00	-11.26	59.61	3.52	34.53	34.92	Peak	100	66	VERTICAL
3	5468.40	64.28	74.00	-9.72	61.13	3.52	34.55	34.92	Peak	100	66	VERTICAL
4	5470.00	49.66	54.00	-4.34	46.51	3.52	34.55	34.92	Average	100	66	VERTICAL
5	5594.78	92.51			89.25	3.56	34.63	34.93	Average	100	66	VERTICAL
6	5596.38	107.01			103.75	3.56	34.63	34.93	Peak	100	66	VERTICAL
7	5725.00	52.66	54.00	-1.34	49.31	3.60	34.69	34.94	Average	100	66	VERTICAL
8	5725.80	67.64	74.00	-6.36	64.29	3.60	34.69	34.94	Peak	100	66	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5686.80	96.78			93.45	3.59	34.68	34.94	Average	100	75	VERTICAL
2	5718.85	110.91			107.56	3.60	34.69	34.94	Peak	100	75	VERTICAL
3	5850.00	52.81	54.00	-1.19	49.38	3.64	34.74	34.95	Average	100	75	VERTICAL
4	5850.00	68.06	74.00	-5.94	64.63	3.64	34.74	34.95	Peak	100	75	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5255.19	120.20			117.40	3.46	34.25	34.91	Peak	108	353	VERTICAL
2	5259.04	107.73			104.91	3.46	34.27	34.91	Average	108	353	VERTICAL
3	5382.12	52.47	54.00	-1.53	49.45	3.50	34.44	34.92	Average	108	353	VERTICAL
4	5382.69	66.03	74.00	-7.97	63.01	3.50	34.44	34.92	Peak	108	353	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5298.72	122.55			119.66	3.48	34.32	34.91	Peak	109	354	VERTICAL
2	5299.04	110.01			107.12	3.48	34.32	34.91	Average	109	354	VERTICAL
3	5350.00	66.24	74.00	-7.76	63.27	3.49	34.39	34.91	Peak	109	354	VERTICAL
4	5381.73	52.58	54.00	-1.42	49.56	3.50	34.44	34.92	Average	109	354	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5318.72	106.58			103.67	3.48	34.34	34.91	Average	106	351	VERTICAL
2	5322.08	118.84			115.93	3.48	34.34	34.91	Peak	106	351	VERTICAL
3	5350.00	52.68	54.00	-1.32	49.71	3.49	34.39	34.91	Average	106	351	VERTICAL
4	5351.76	67.57	74.00	-6.43	64.60	3.49	34.39	34.91	Peak	106	351	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.20	47.11	54.00	-6.89	43.98	3.52	34.53	34.92	Average	103	23	VERTICAL
2	5459.36	64.88	74.00	-9.12	61.75	3.52	34.53	34.92	Peak	103	23	VERTICAL
3	5469.04	72.15	74.00	-1.85	69.00	3.52	34.55	34.92	Peak	103	23	VERTICAL
4	5470.00	52.61	54.00	-1.39	49.46	3.52	34.55	34.92	Average	103	23	VERTICAL
5	5499.04	107.50			104.29	3.53	34.60	34.92	Average	103	23	VERTICAL
6	5501.92	119.74			116.52	3.54	34.60	34.92	Peak	103	23	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.08	62.83	74.00	-11.17	59.70	3.52	34.53	34.92	Peak	111	354	VERTICAL
2	5459.04	51.95	54.00	-2.05	48.82	3.52	34.53	34.92	Average	111	354	VERTICAL
3	5461.67	52.75	54.00	-1.25	49.62	3.52	34.53	34.92	Average	111	354	VERTICAL
4	5462.31	63.78	74.00	-10.22	60.65	3.52	34.53	34.92	Peak	111	354	VERTICAL
5	5581.44	109.38			106.12	3.56	34.63	34.93	Average	111	354	VERTICAL
6	5582.89	123.06			119.80	3.56	34.63	34.93	Peak	111	354	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5699.04	104.50			101.17	3.59	34.68	34.94	Average	100	20	VERTICAL
2	5701.28	117.35			114.02	3.59	34.68	34.94	Peak	100	20	VERTICAL
3	5725.00	50.90	54.00	-3.10	47.55	3.60	34.69	34.94	Average	100	20	VERTICAL
4	5725.32	72.85	74.00	-1.15	69.50	3.60	34.69	34.94	Peak	100	20	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5241.99	67.03	68.20	-1.17	64.23	3.46	34.25	34.91	Peak	100	20	VERTICAL
2	5721.60	111.68			108.33	3.60	34.69	34.94	Average	100	20	VERTICAL
3	5721.60	123.48			120.13	3.60	34.69	34.94	Peak	100	20	VERTICAL
4	5882.05	60.94	68.20	-7.26	57.49	3.65	34.75	34.95	Peak	100	20	VERTICAL

Item 2, 3 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5142.31	64.17	74.00	-9.83	61.54	3.43	34.11	34.91	Peak	100	360	VERTICAL
2	5148.08	51.87	54.00	-2.13	49.24	3.43	34.11	34.91	Average	100	360	VERTICAL
3	5266.15	106.13			103.31	3.46	34.27	34.91	Average	100	360	VERTICAL
4	5266.15	118.31			115.49	3.46	34.27	34.91	Peak	100	360	VERTICAL
5	5351.44	52.51	54.00	-1.49	49.54	3.49	34.39	34.91	Average	100	360	VERTICAL
6	5351.44	67.88	74.00	-6.12	64.91	3.49	34.39	34.91	Peak	100	360	VERTICAL

Item 3, 4 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5314.81	99.49			96.58	3.48	34.34	34.91	Average	109	22	VERTICAL
2	5317.05	112.77			109.86	3.48	34.34	34.91	Peak	109	22	VERTICAL
3	5350.00	52.93	54.00	-1.07	49.96	3.49	34.39	34.91	Average	109	22	VERTICAL
4	5350.00	70.30	74.00	-3.70	67.33	3.49	34.39	34.91	Peak	109	22	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.36	46.02	54.00	-7.98	42.89	3.52	34.53	34.92	Average	102	353	VERTICAL
2	5459.36	65.99	74.00	-8.01	62.86	3.52	34.53	34.92	Peak	102	353	VERTICAL
3	5469.36	72.92	74.00	-1.08	69.77	3.52	34.55	34.92	Peak	102	353	VERTICAL
4	5470.00	50.99	54.00	-3.01	47.84	3.52	34.55	34.92	Average	102	353	VERTICAL
5	5504.55	100.06			96.84	3.54	34.60	34.92	Average	102	353	VERTICAL
6	5514.17	113.15			109.92	3.54	34.61	34.92	Peak	102	353	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.40	65.10	74.00	-8.90	61.97	3.52	34.53	34.92	Peak	101	354	VERTICAL
2	5460.00	49.28	54.00	-4.72	46.15	3.52	34.53	34.92	Average	101	354	VERTICAL
3	5468.72	52.79	54.00	-1.21	49.64	3.52	34.55	34.92	Average	101	354	VERTICAL
4	5470.00	70.55	74.00	-3.45	67.40	3.52	34.55	34.92	Peak	101	354	VERTICAL
5	5554.81	106.01			102.77	3.55	34.62	34.93	Average	101	354	VERTICAL
6	5556.41	119.23			115.99	3.55	34.62	34.93	Peak	101	354	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5686.99	115.30			111.97	3.59	34.68	34.94	Peak	100	355	VERTICAL
2	5687.31	102.01			98.68	3.59	34.68	34.94	Average	100	355	VERTICAL
3	5725.00	51.70	54.00	-2.30	48.35	3.60	34.69	34.94	Average	100	355	VERTICAL
4	5725.32	72.87	74.00	-1.13	69.52	3.60	34.69	34.94	Peak	100	355	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.81	108.25			104.91	3.60	34.68	34.94	Average	100	21	VERTICAL
2	5722.82	121.23			117.88	3.60	34.69	34.94	Peak	100	21	VERTICAL
3	5854.81	52.49	54.00	-1.51	49.06	3.64	34.74	34.95	Average	100	21	VERTICAL
4	5856.41	67.62	74.00	-6.38	64.19	3.64	34.74	34.95	Peak	100	21	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5136.38	58.83	74.00	-15.17	56.22	3.43	34.09	34.91	Peak	100	359	VERTICAL
2	5266.76	95.40			92.58	3.46	34.27	34.91	Average	100	359	VERTICAL
3	5278.78	108.61			105.75	3.47	34.30	34.91	Peak	100	359	VERTICAL
4	5350.80	52.47	54.00	-1.53	49.50	3.49	34.39	34.91	Average	100	359	VERTICAL
5	5356.41	67.57	74.00	-6.43	64.60	3.49	34.39	34.91	Peak	100	359	VERTICAL

Item 2, 3 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.20	68.21	74.00	-5.79	65.08	3.52	34.53	34.92	Peak	122	24	VERTICAL
2	5460.00	51.29	54.00	-2.71	48.16	3.52	34.53	34.92	Average	122	24	VERTICAL
3	5466.80	73.00	74.00	-1.00	69.85	3.52	34.55	34.92	Peak	122	24	VERTICAL
4	5470.00	52.89	54.00	-1.11	49.74	3.52	34.55	34.92	Average	122	24	VERTICAL
5	5553.24	97.15			93.91	3.55	34.62	34.93	Average	122	24	VERTICAL
6	5553.24	109.74			106.50	3.55	34.62	34.93	Peak	122	24	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122, 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 07, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5456.80	62.42	74.00	-11.58	59.29	3.52	34.53	34.92	Peak	100	65	VERTICAL
2	5460.00	46.85	74.00	-27.15	43.72	3.52	34.53	34.92	Peak	100	65	VERTICAL
3	5462.79	63.18	74.00	-10.82	60.03	3.52	34.55	34.92	Peak	100	65	VERTICAL
4	5470.00	48.35	54.00	-5.65	45.20	3.52	34.55	34.92	Average	100	65	VERTICAL
5	5580.35	107.08			103.82	3.56	34.63	34.93	Peak	100	65	VERTICAL
6	5594.78	93.40			90.14	3.56	34.63	34.93	Average	100	65	VERTICAL
7	5725.00	52.45	54.00	-1.55	49.10	3.60	34.69	34.94	Average	100	65	VERTICAL
8	5737.82	66.45	74.00	-7.55	63.08	3.61	34.70	34.94	Peak	100	65	VERTICAL

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5699.62	114.39			111.06	3.59	34.68	34.94	Peak	100	352	VERTICAL
2	5713.24	100.92			97.58	3.60	34.68	34.94	Average	100	352	VERTICAL
3	5853.21	68.08	74.00	-5.92	64.65	3.64	34.74	34.95	Peak	100	352	VERTICAL
4	5854.01	52.74	54.00	-1.26	49.31	3.64	34.74	34.95	Average	100	352	VERTICAL

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

Note:

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

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

4.7. Frequency Stability Measurement

4.7.1. Limit

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

4.7.2. Measuring Instruments and Setting

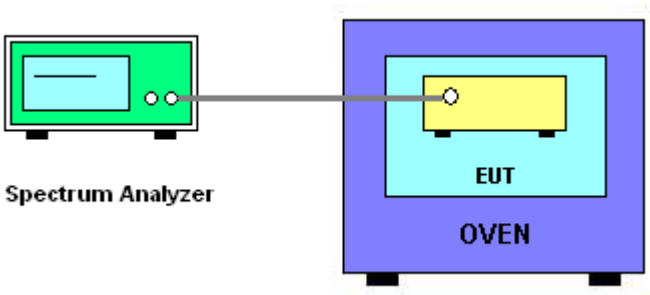
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

4.7.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 10^6 ppm and the limit is less than ±20ppm (IEEE 802.11nspecification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature is -20°C~40°C.

4.7.4. Test Setup Layout



4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.7.7. Test Result of Frequency Stability

Temperature	22°C	Humidity	55%
Test Engineer	Jim Huang	Test Date	Jul. 01, 2014

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)	
(V)	5300 MHz	5500 MHz
126.50	5300.0134	5500.0242
110.00	5300.0216	5500.0312
93.50	5300.0328	5500.0354
Max. Deviation (MHz)	0.032800	0.035400
Max. Deviation (ppm)	6.19	6.44

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)	
(°C)	5300 MHz	5500 MHz
-20	5300.0133	5500.0356
-10	5300.0159	5500.0348
0	5300.0176	5500.0336
10	5300.0187	5500.0322
20	5300.0216	5500.0312
30	5300.0234	5500.0274
40	5300.0251	5500.0251
Max. Deviation (MHz)	0.025100	0.035600
Max. Deviation (ppm)	4.74	6.47

4.8. Antenna Requirements

4.8.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.8.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100355	9 kHz ~ 2.75 GHz	Apr. 23, 2014	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150 kHz ~ 100 MHz	Nov. 23, 2013	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 11, 2013	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150 kHz ~ 30 MHz	Dec. 04, 2013	Conduction (CO01-CB)
Software	Audix	E3	5.410e	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112B	2928	30MHz ~ 2GHz	Dec. 27, 2013	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9 kHz - 30 MHz	Nov. 05, 2012*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz~18GHz	Nov. 01, 2013	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBEAK	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Dec. 17, 2013	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Nov. 12, 2013	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Dec. 16, 2013	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Oct. 23, 2013	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100019	9kHz~40GHz	Dec. 02, 2013	Radiation (03CH01-CB)
EMI Test Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8GHz	Dec. 12, 2013	Radiation (03CH01-CB)
Turn Table	INN CO	CO 2000	N/A	0 ~ 360 degree	N.C.R.	Radiation (03CH01-CB)
Antenna Mast	INN CO	CO2000	N/A	1 m - 4 m	N.C.R.	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz - 1 GHz	Nov. 17, 2013	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-3	N/A	1 GHz - 40 GHz	Nov. 17, 2013	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-4	N/A	1 GHz - 40 GHz	Nov. 17, 2013	Radiation (03CH01-CB)
Signal analyzer	R&S	FSV40	100979	9kHz~40GHz	Nov. 29, 2013	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2014	Conducted (TH01-CB)
RF Power Divider	Woken	2 Way	0120A02056002D	2GHz ~ 18GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Power Divider	Woken	3 Way	MDC2366	2GHz ~ 18GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Power Divider	Woken	4 Way	0120A04056002D	2GHz ~ 18GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-7	-	1 GHz – 26.5 GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-8	-	1 GHz – 26.5 GHz	Nov. 17, 2013	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	High Cable-9	-	1 GHz – 26.5 GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-10	-	1 GHz – 26.5 GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-11	-	1 GHz – 26.5 GHz	Nov. 17, 2013	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	0917223	300MHz~40GHz	Sep. 18, 2013	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 18, 2013	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

"*" Calibration Interval of instruments listed above is two years.

NCR means Non-Calibration required.

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%