Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15840.16	50.09	54.00	-3.91	31.56	16.57	37.62	35.66	135	174	Average	HORIZONTAL
2	15840.77	63.35	74.00	-10.65	44.82	16.57	37.62	35.66	135	174	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15839.10	63.59	74.00	-10.41	45.06	16.57	37.62	35.66	138	122	Peak	VERTICAL
2	15840.17	50.08	54.00	-3.92	31.55	16.57	37.62	35.66	138	122	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.08	52.94	74.00	-21.06	36.43	12.75	38.40	34.64	148	66	Peak	HORIZONTAL
2	10599.91	45.88	54.00	-8.12	29.37	12.75	38.40	34.64	148	66	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.32	45.63	54.00	-8.37	29.12	12.75	38.40	34.64	151	78	Average	VERTICAL
2	10600.15	59.03	74.00	-14.97	42.52	12.75	38.40	34.64	151	78	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.38	57.57	74.00	-16.43	40.80	13.44	38.40	35.07	135	96	Peak	HORIZONTAL
2	11000.50	45.02	54.00	-8.98	28.25	13.44	38.40	35.07	135	96	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11000.10	44.98	54.00	-9.02	28.21	13.44	38.40	35.07	165	49	Average	VERTICAL
2	11000.19	57.99	74.00	-16.01	41.22	13.44	38.40	35.07	165	49	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.38	59.18	74.00	-14.82	41.96	13.71	38.67	35.16	225	230	Peak	HORIZONTAL
2	11160.33	46.23	54.00	-7.77	29.01	13.71	38.67	35.16	225	230	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.68	58.73	74.00	-15.27	41.51	13.71	38.67	35.16	223	261	Peak	VERTICAL
2	11160.17	46.21	54.00	-7.79	28.99	13.71	38.67	35.16	223	261	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11400.36	47.35	54.00	-6.65	29.54	14.08	39.04	35.31	200	155	Average	HORIZONTAL
2	11400.75	59.62	74.00	-14.38	41.81	14.08	39.04	35.31	200	155	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.20	47.39	54.00	-6.61	29.58	14.08	39.04	35.31	214	205	Average	VERTICAL
2	11399.75	60.97	74.00	-13.03	43.16	14.08	39.04	35.31	214	205	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.65	49.18	54.00	-4.82	30.60	16.54	37.69	35.65	151	191	Average	HORIZONTAL
2	15809.78	62.95	74.00	-11.05	44.37	16.54	37.69	35.65	151	191	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.60	49.22	54.00	-4.78	30.64	16.54	37.69	35.65	147	159	Average	VERTICAL
2	15810.91	64.10	74.00	-9.90	45.52	16.54	37.69	35.65	147	159	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10611.36	45.79	54.00	-8.21	29.32	12.75	38.40	34.68	139	111	Average	HORIZONTAL
2	10628.40	59.20	74.00	-14.80	42.68	12.80	38.40	34.68	139	111	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15929.17	63.39	74.00	-10.61	44.96	16.63	37.47	35.67	142	130	Peak	VERTICAL
2	15929.44	48.95	54.00	-5.05	30.52	16.63	37.47	35.67	142	130	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11028.16	57.99	74.00	-16.01	41.22	13.44	38.40	35.07	153	60	Peak	HORIZONTAL
2	11029.12	44.93	54.00	-9.07	28.08	13.49	38.45	35.09	153	60	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11026.68	45.01	54.00	-8.99	28.24	13.44	38.40	35.07	109	176	Average	VERTICAL
2	11028.72	57.63	74.00	-16.37	40.76	13.49	38.45	35.07	109	176	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11106.52	58.16	74.00	-15.84	41.13	13.60	38.56	35.13	120	167	Peak	HORIZONTAL
2	11109.88	45.52	54.00	-8.48	28.49	13.60	38.56	35.13	120	167	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11092.64	58.16	74.00	-15.84	41.11	13.60	38.56	35.11	117	130	Peak	VERTICAL
2	11100.84	45.63	54.00	-8.37	28.58	13.60	38.56	35.11	117	130	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11335.72	59.18	74.00	-14.82	41.54	13.97	38.93	35.26	124	145	Peak	HORIZONTAL
2	11336.84	46.48	54.00	-7.52	28.84	13.97	38.93	35.26	124	145	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11333.96	46.44	54.00	-7.56	28.80	13.97	38.93	35.26	132	168	Average	VERTICAL
2	11336.52	59.76	74.00	-14.24	42.12	13.97	38.93	35.26	132	168	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15877.28	49.04	54.00	-4.96	30.56	16.60	37.55	35.67	155	166	Average	HORIZONTAL
2	15879.48	62.87	74.00	-11.13	44.39	16.60	37.55	35.67	155	166	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15868.72	62.81	74.00	-11.19	44.29	16.57	37.62	35.67	158	110	Peak	VERTICAL
2	15879.72	49.26	54.00	-4.74	30.78	16.60	37.55	35.67	158	110	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11054.16	57.15	74.00	-16.85	40.30	13.49	38.45	35.09	137	112	Peak	HORIZONTAL
2	11059.12	44.87	54.00	-9.13	28.02	13.49	38.45	35.09	137	112	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11051.92	44.81	54.00	-9.19	27.96	13.49	38.45	35.09	135	140	Average	VERTICAL
2	11055.80	56.96	74.00	-17.04	40.11	13.49	38.45	35.09	135	140	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11223.68	60.00	74.00	-14.00	42.62	13.81	38.77	35.20	132	240	Peak	HORIZONTAL
2	11224.20	46.48	54.00	-7.52	29.10	13.81	38.77	35.20	132	240	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11214.84	59.07	74.00	-14.93	41.79	13.76	38.72	35.20	149	226	Peak	VERTICAL
2	11223.08	46.75	54.00	-7.25	29.37	13.81	38.77	35.20	149	226	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.25	59.60	74.00	-14.40	41.71	14.13	39.09	35.33	173	71	Peak	HORIZONTAL
2	11440.27	46.82	54.00	-7.18	28.93	14.13	39.09	35.33	173	71	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.13	59.80	74.00	-14.20	41.91	14.13	39.09	35.33	168	21	Peak	VERTICAL
2	11439.86	46.74	54.00	-7.26	28.85	14.13	39.09	35.33	168	21	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11417.84	46.37	54.00	-7.63	28.46	14.13	39.09	35.31	140	144	Average	HORIZONTAL
2	11419.80	59.83	74.00	-14.17	41.92	14.13	39.09	35.31	140	144	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11411.56	46.36	54.00	-7.64	28.55	14.08	39.04	35.31	135	115	Average	VERTICAL
2	11418.00	58.91	74.00	-15.09	41.00	14.13	39.09	35.31	135	115	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11372.64	46.44	54.00	-7.56	28.71	14.03	38.99	35.29	138	198	Average	HORIZONTAL
2	11384.04	58.87	74.00	-15.13	41.14	14.03	38.99	35.29	138	198	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11383.40	46.55	54.00	-7.45	28.82	14.03	38.99	35.29	149	259	Average	VERTICAL
2	11386.80	58.76	74.00	-15.24	40.93	14.08	39.04	35.29	149	259	Peak	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.82	49.52	54.00	-4.48	30.90	16.51	37.76	35.65	137	29	Average	HORIZONTAL
2	15780.24	61.80	74.00	-12.20	43.18	16.51	37.76	35.65	137	29	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15780.04	49.44	54.00	-4.56	30.82	16.51	37.76	35.65	139	4	Average	VERTICAL
2	15780.49	62.16	74.00	-11.84	43.54	16.51	37.76	35.65	139	4	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.78	46.01	54.00	-7.99	29.50	12.75	38.40	34.64	174	105	Average	HORIZONTAL
2	10600.35	59.30	74.00	-14.70	42.79	12.75	38.40	34.64	174	105	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.89	59.56	74.00	-14.44	43.05	12.75	38.40	34.64	171	94	Peak	VERTICAL
2	10600.69	45.91	54.00	-8.09	29.40	12.75	38.40	34.64	171	94	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.22	58.26	74.00	-15.74	41.77	12.80	38.40	34.71	163	67	Peak	HORIZONTAL
2	10640.95	45.13	54.00	-8.87	28.64	12.80	38.40	34.71	163	67	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10640.43	58.05	74.00	-15.95	41.56	12.80	38.40	34.71	158	14	Peak	VERTICAL
2	10640.85	45.29	54.00	-8.71	28.80	12.80	38.40	34.71	158	14	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11000.19	57.56	74.00	-16.44	40.79	13.44	38.40	35.07	164	85	Peak	HORIZONTAL
2	11000.24	44.50	54.00	-9.50	27.73	13.44	38.40	35.07	164	85	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11000.46	57.94	74.00	-16.06	41.17	13.44	38.40	35.07	160	134	Peak	VERTICAL
2	11000.82	44.36	54.00	-9.64	27.59	13.44	38.40	35.07	160	134	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.12	58.95	74.00	-15.05	41.73	13.71	38.67	35.16	152	54	Peak	HORIZONTAL
2	11159.77	45.41	54.00	-8.59	28.19	13.71	38.67	35.16	152	54	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.32	59.10	74.00	-14.90	41.88	13.71	38.67	35.16	156	68	Peak	VERTICAL
2	11160.59	45.78	54.00	-8.22	28.56	13.71	38.67	35.16	156	68	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.26	58.74	74.00	-15.26	40.93	14.08	39.04	35.31	148	4	Peak	HORIZONTAL
2	11399.63	46.19	54.00	-7.81	28.38	14.08	39.04	35.31	148	4	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.55	58.32	74.00	-15.68	40.51	14.08	39.04	35.31	178	44	Peak	VERTICAL
2	11400.20	46.13	54.00	-7.87	28.32	14.08	39.04	35.31	178	44	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15810.45	63.20	74.00	-10.80	44.62	16.54	37.69	35.65	177	32	Peak	HORIZONTAL
2	15810.77	49.58	54.00	-4.42	31.00	16.54	37.69	35.65	177	32	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.04	62.48	74.00	-11.52	43.90	16.54	37.69	35.65	180	41	Peak	VERTICAL
2	15809.44	49.79	54.00	-4.21	31.21	16.54	37.69	35.65	180	41	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.12	58.13	74.00	-15.87	41.66	12.75	38.40	34.68	180	74	Peak	HORIZONTAL
2	10619.73	45.80	54.00	-8.20	29.33	12.75	38.40	34.68	180	74	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.17	59.11	74.00	-14.89	42.64	12.75	38.40	34.68	170	107	Peak	VERTICAL
2	10619.61	45.73	54.00	-8.27	29.26	12.75	38.40	34.68	170	107	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11019.64	44.35	54.00	-9.65	27.58	13.44	38.40	35.07	156	108	Average	HORIZONTAL
2	11020.86	57.68	74.00	-16.32	40.91	13.44	38.40	35.07	156	108	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11019.84	44.33	54.00	-9.67	27.56	13.44	38.40	35.07	160	153	Average	VERTICAL
2	11020.13	57.54	74.00	-16.46	40.77	13.44	38.40	35.07	160	153	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11099.86	45.06	54.00	-8.94	28.01	13.60	38.56	35.11	152	71	Average	HORIZONTAL
2	11100.21	57.88	74.00	-16.12	40.83	13.60	38.56	35.11	152	71	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11099.49	57.83	74.00	-16.17	40.78	13.60	38.56	35.11	156	146	Peak	VERTICAL
2	11099.65	45.57	54.00	-8.43	28.52	13.60	38.56	35.11	156	146	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.29	58.93	74.00	-15.07	41.29	13.97	38.93	35.26	139	182	Peak	HORIZONTAL
2	11340.80	46.33	54.00	-7.67	28.69	13.97	38.93	35.26	139	182	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.99	46.25	54.00	-7.75	28.61	13.97	38.93	35.26	148	92	Average	VERTICAL
2	11340.08	59.37	74.00	-14.63	41.73	13.97	38.93	35.26	148	92	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.06	49.73	54.00	-4.27	31.21	16.57	37.62	35.67	163	72	Average	HORIZONTAL
2	15870.32	63.16	74.00	-10.84	44.64	16.57	37.62	35.67	163	72	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.94	49.68	54.00	-4.32	31.16	16.57	37.62	35.67	158	85	Average	VERTICAL
2	15870.96	62.78	74.00	-11.22	44.26	16.57	37.62	35.67	158	85	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.36	57.30	74.00	-16.70	40.45	13.49	38.45	35.09	108	222	Peak	HORIZONTAL
2	11060.53	44.84	54.00	-9.16	27.87	13.55	38.51	35.09	108	222	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.29	44.97	54.00	-9.03	28.00	13.55	38.51	35.09	104	184	Average	VERTICAL
2	11060.55	57.98	74.00	-16.02	41.01	13.55	38.51	35.09	104	184	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11139.22	45.59	54.00	-8.41	28.49	13.65	38.61	35.16	113	171	Average	HORIZONTAL
2	11140.44	59.05	74.00	-14.95	41.95	13.65	38.61	35.16	113	171	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11139.20	45.53	54.00	-8.47	28.43	13.65	38.61	35.16	127	238	Average	VERTICAL
2	11140.89	58.72	74.00	-15.28	41.62	13.65	38.61	35.16	127	238	Peak	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11440.24	58.57	74.00	-15.43	40.68	14.13	39.09	35.33	164	130	Peak	HORIZONTAL
2	11440.86	45.75	54.00	-8.25	27.86	14.13	39.09	35.33	164	130	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11440.15	59.46	74.00	-14.54	41.57	14.13	39.09	35.33	167	39	Peak	VERTICAL
2	11440.53	45.71	54.00	-8.29	27.82	14.13	39.09	35.33	167	39	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11419.55	59.09	74.00	-14.91	41.18	14.13	39.09	35.31	141	134	Peak	HORIZONTAL
2	11420.26	46.03	54.00	-7.97	28.12	14.13	39.09	35.31	141	134	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11420.54	46.12	54.00	-7.88	28.21	14.13	39.09	35.31	146	106	Average	VERTICAL
2	11420.63	59.23	74.00	-14.77	41.32	14.13	39.09	35.31	146	106	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.59	59.19	74.00	-14.81	41.46	14.03	38.99	35.29	126	237	Peak	HORIZONTAL
2	11380.99	46.17	54.00	-7.83	28.44	14.03	38.99	35.29	126	237	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.16	59.17	74.00	-14.83	41.44	14.03	38.99	35.29	132	281	Peak	VERTICAL
2	11379.58	46.16	54.00	-7.84	28.43	14.03	38.99	35.29	132	281	Average	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 02, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.01	62.58	74.00	-11.42	43.96	16.51	37.76	35.65	164	231	Peak	HORIZONTAL
2	15779.57	49.64	54.00	-4.36	31.02	16.51	37.76	35.65	164	231	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15780.66	62.41	74.00	-11.59	43.79	16.51	37.76	35.65	168	179	Peak	VERTICAL
2	15780.83	49.55	54.00	-4.45	30.93	16.51	37.76	35.65	168	179	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 02, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.01	58.55	74.00	-15.45	42.04	12.75	38.40	34.64	144	182	Peak	HORIZONTAL
2	10600.30	45.78	54.00	-8.22	29.27	12.75	38.40	34.64	144	182	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.17	59.03	74.00	-14.97	42.52	12.75	38.40	34.64	146	193	Peak	VERTICAL
2	10600.55	45.86	54.00	-8.14	29.35	12.75	38.40	34.64	146	193	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 02, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10459.37	44.67	54.00	-9.33	28.23	12.48	38.47	34.51	145	217	Average	HORIZONTAL
2	10460.98	57.57	74.00	-16.43	41.13	12.48	38.47	34.51	145	217	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10459.45	57.56	74.00	-16.44	41.12	12.48	38.47	34.51	142	207	Peak	VERTICAL
2	10460.23	44.50	54.00	-9.50	28.06	12.48	38.47	34.51	142	207	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 02, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.33	44.38	54.00	-9.62	27.61	13.44	38.40	35.07	142	339	Average	HORIZONTAL
2	10999.52	57.38	74.00	-16.62	40.61	13.44	38.40	35.07	142	339	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.36	44.42	54.00	-9.58	27.65	13.44	38.40	35.07	139	296	Average	VERTICAL
2	11000.75	57.42	74.00	-16.58	40.65	13.44	38.40	35.07	139	296	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 02, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.17	59.47	74.00	-14.53	42.25	13.71	38.67	35.16	145	288	Peak	HORIZONTAL
2	11160.75	45.93	54.00	-8.07	28.71	13.71	38.67	35.16	145	288	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.04	58.48	74.00	-15.52	41.26	13.71	38.67	35.16	148	322	Peak	VERTICAL
2	11160.28	45.95	54.00	-8.05	28.73	13.71	38.67	35.16	148	322	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.11	58.81	74.00	-15.19	41.00	14.08	39.04	35.31	148	225	Peak	HORIZONTAL
2	11400.38	46.14	54.00	-7.86	28.33	14.08	39.04	35.31	148	225	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.37	46.12	54.00	-7.88	28.31	14.08	39.04	35.31	135	295	Average	VERTICAL
2	11399.96	58.92	74.00	-15.08	41.11	14.08	39.04	35.31	135	295	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.04	62.41	74.00	-11.59	43.83	16.54	37.69	35.65	153	200	Peak	HORIZONTAL
2	15809.25	49.62	54.00	-4.38	31.04	16.54	37.69	35.65	153	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.02	62.83	74.00	-11.17	44.25	16.54	37.69	35.65	157	165	Peak	VERTICAL
2	15810.82	49.77	54.00	-4.23	31.19	16.54	37.69	35.65	157	165	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.08	58.25	74.00	-15.75	41.78	12.75	38.40	34.68	155	226	Peak	HORIZONTAL
2	10619.48	45.69	54.00	-8.31	29.22	12.75	38.40	34.68	155	226	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.44	58.39	74.00	-15.61	41.92	12.75	38.40	34.68	143	264	Peak	VERTICAL
2	10619.51	45.63	54.00	-8.37	29.16	12.75	38.40	34.68	143	264	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11019.80	44.32	54.00	-9.68	27.55	13.44	38.40	35.07	145	164	Average	HORIZONTAL
2	11020.18	57.58	74.00	-16.42	40.81	13.44	38.40	35.07	145	164	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11020.48	56.93	74.00	-17.07	40.16	13.44	38.40	35.07	138	199	Peak	VERTICAL
2	11020.91	44.38	54.00	-9.62	27.61	13.44	38.40	35.07	138	199	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11099.44	45.26	54.00	-8.74	28.21	13.60	38.56	35.11	136	150	Average	HORIZONTAL
2	11099.83	58.29	74.00	-15.71	41.24	13.60	38.56	35.11	136	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11099.21	45.19	54.00	-8.81	28.14	13.60	38.56	35.11	142	69	Average	VERTICAL
2	11099.67	58.02	74.00	-15.98	40.97	13.60	38.56	35.11	142	69	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.59	59.10	74.00	-14.90	41.46	13.97	38.93	35.26	137	85	Peak	HORIZONTAL
2	11339.98	46.16	54.00	-7.84	28.52	13.97	38.93	35.26	137	85	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.76	46.21	54.00	-7.79	28.57	13.97	38.93	35.26	137	94	Average	VERTICAL
2	11340.69	59.22	74.00	-14.78	41.58	13.97	38.93	35.26	137	94	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.92	62.90	74.00	-11.10	44.38	16.57	37.62	35.67	158	115	Peak	HORIZONTAL
2	15870.65	49.66	54.00	-4.34	31.14	16.57	37.62	35.67	158	115	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.82	62.57	74.00	-11.43	44.05	16.57	37.62	35.67	154	96	Peak	VERTICAL
2	15870.48	49.68	54.00	-4.32	31.16	16.57	37.62	35.67	154	96	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.74	44.63	54.00	-9.37	27.78	13.49	38.45	35.09	100	103	Average	HORIZONTAL
2	11060.70	57.76	74.00	-16.24	40.79	13.55	38.51	35.09	100	103	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.38	45.09	54.00	-8.91	28.12	13.55	38.51	35.09	150	61	Average	VERTICAL
2	11060.40	57.70	74.00	-16.30	40.73	13.55	38.51	35.09	150	61	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.33	46.45	54.00	-7.55	29.17	13.76	38.72	35.20	142	100	Average	HORIZONTAL
2	11220.72	59.51	74.00	-14.49	42.23	13.76	38.72	35.20	142	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.13	58.97	74.00	-15.03	41.69	13.76	38.72	35.20	142	139	Peak	VERTICAL
2	11220.36	45.45	54.00	-8.55	28.17	13.76	38.72	35.20	142	139	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.15	59.45	74.00	-14.55	41.56	14.13	39.09	35.33	152	165	Peak	HORIZONTAL
2	11439.96	45.59	54.00	-8.41	27.70	14.13	39.09	35.33	152	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.75	58.52	74.00	-15.48	40.63	14.13	39.09	35.33	156	133	Peak	VERTICAL
2	11440.07	45.46	54.00	-8.54	27.57	14.13	39.09	35.33	156	133	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11419.33	59.14	74.00	-14.86	41.23	14.13	39.09	35.31	142	125	Peak	HORIZONTAL
2	11420.45	46.01	54.00	-7.99	28.10	14.13	39.09	35.31	142	125	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11419.91	59.13	74.00	-14.87	41.22	14.13	39.09	35.31	186	234	Peak	VERTICAL
2	11420.23	46.03	54.00	-7.97	28.12	14.13	39.09	35.31	186	234	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.02	58.70	74.00	-15.30	40.97	14.03	38.99	35.29	145	112	Peak	HORIZONTAL
2	11380.12	45.92	54.00	-8.08	28.19	14.03	38.99	35.29	145	112	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.74	59.67	74.00	-14.33	41.94	14.03	38.99	35.29	143	76	Peak	VERTICAL
2	11380.99	46.01	54.00	-7.99	28.28	14.03	38.99	35.29	143	76	Average	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15772.88	62.56	74.00	-11.44	43.94	16.51	37.76	35.65	132	225	Peak	HORIZONTAL
2	15788.52	49.98	54.00	-4.02	31.40	16.54	37.69	35.65	132	225	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15770.00	62.87	74.00	-11.13	44.25	16.51	37.76	35.65	127	175	Peak	VERTICAL
2	15779.00	49.17	54.00	-4.83	30.55	16.51	37.76	35.65	127	175	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10597.04	45.79	54.00	-8.21	29.28	12.75	38.40	34.64	135	190	Average	HORIZONTAL
2	10608.28	58.33	74.00	-15.67	41.86	12.75	38.40	34.68	135	190	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10597.64	45.90	54.00	-8.10	29.39	12.75	38.40	34.64	135	170	Average	VERTICAL
2	10603.20	58.54	74.00	-15.46	42.03	12.75	38.40	34.64	135	170	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10645.24	58.95	74.00	-15.05	42.46	12.80	38.40	34.71	142	132	Peak	HORIZONTAL
2	10647.60	45.79	54.00	-8.21	29.30	12.80	38.40	34.71	142	132	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10636.32	46.05	54.00	-7.95	29.53	12.80	38.40	34.68	137	110	Average	VERTICAL
2	10642.36	58.14	74.00	-15.86	41.65	12.80	38.40	34.71	137	110	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11004.00	58.13	74.00	-15.87	41.36	13.44	38.40	35.07	144	124	Peak	HORIZONTAL
2	11006.92	44.94	54.00	-9.06	28.17	13.44	38.40	35.07	144	124	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11002.60	57.54	74.00	-16.46	40.77	13.44	38.40	35.07	140	77	Peak	VERTICAL
2	11002.68	44.73	54.00	-9.27	27.96	13.44	38.40	35.07	140	77	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11154.80	58.17	74.00	-15.83	41.07	13.65	38.61	35.16	142	119	Peak	HORIZONTAL
2	11165.96	46.15	54.00	-7.85	28.93	13.71	38.67	35.16	142	119	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.40	46.11	54.00	-7.89	29.01	13.65	38.61	35.16	138	84	Average	VERTICAL
2	11166.08	58.58	74.00	-15.42	41.36	13.71	38.67	35.16	138	84	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11392.04	59.19	74.00	-14.81	41.36	14.08	39.04	35.29	158	107	Peak	HORIZONTAL
2	11397.88	46.66	54.00	-7.34	28.85	14.08	39.04	35.31	158	107	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11400.24	58.74	74.00	-15.26	40.93	14.08	39.04	35.31	142	147	Peak	VERTICAL
2	11404.56	46.46	54.00	-7.54	28.65	14.08	39.04	35.31	142	147	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15814.60	62.72	74.00	-11.28	44.14	16.54	37.69	35.65	190	165	Peak	HORIZONTAL
2	15814.76	49.04	54.00	-4.96	30.46	16.54	37.69	35.65	190	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15813.64	63.36	74.00	-10.64	44.78	16.54	37.69	35.65	157	95	Peak	VERTICAL
2	15816.56	49.97	54.00	-4.03	31.40	16.54	37.69	35.66	157	95	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10615.16	58.13	74.00	-15.87	41.66	12.75	38.40	34.68	179	115	Peak	HORIZONTAL
2	10629.88	45.91	54.00	-8.09	29.39	12.80	38.40	34.68	179	115	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10616.32	45.73	54.00	-8.27	29.26	12.75	38.40	34.68	165	166	Average	VERTICAL
2	10622.00	58.37	74.00	-15.63	41.85	12.80	38.40	34.68	165	166	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11024.60	56.49	74.00	-17.51	39.72	13.44	38.40	35.07	158	154	Peak	HORIZONTAL
2	11028.08	44.51	54.00	-9.49	27.74	13.44	38.40	35.07	158	154	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11011.64	57.26	74.00	-16.74	40.49	13.44	38.40	35.07	155	122	Peak	VERTICAL
2	11023.48	44.46	54.00	-9.54	27.69	13.44	38.40	35.07	155	122	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11093.00	57.51	74.00	-16.49	40.46	13.60	38.56	35.11	154	149	Peak	HORIZONTAL
2	11107.88	45.17	54.00	-8.83	28.14	13.60	38.56	35.13	154	149	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11109.16	58.04	74.00	-15.96	41.01	13.60	38.56	35.13	151	121	Peak	VERTICAL
2	11109.56	45.09	54.00	-8.91	28.06	13.60	38.56	35.13	151	121	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11341.52	46.50	54.00	-7.50	28.86	13.97	38.93	35.26	143	81	Average	HORIZONTAL
2	11345.96	58.46	74.00	-15.54	40.82	13.97	38.93	35.26	143	81	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11342.36	59.05	74.00	-14.95	41.41	13.97	38.93	35.26	147	103	Peak	VERTICAL
2	11344.44	46.41	54.00	-7.59	28.77	13.97	38.93	35.26	147	103	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15866.00	62.91	74.00	-11.09	44.38	16.57	37.62	35.66	243	120	Peak	HORIZONTAL
2	15876.84	49.21	54.00	-4.79	30.73	16.60	37.55	35.67	243	120	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.24	62.94	74.00	-11.06	44.42	16.57	37.62	35.67	236	112	Peak	VERTICAL
2	15879.88	49.31	54.00	-4.69	30.83	16.60	37.55	35.67	236	112	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11056.12	44.72	54.00	-9.28	27.87	13.49	38.45	35.09	204	100	Average	HORIZONTAL
2	11063.12	56.98	74.00	-17.02	40.01	13.55	38.51	35.09	204	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.64	44.83	54.00	-9.17	27.98	13.49	38.45	35.09	227	49	Average	VERTICAL
2	11062.48	57.23	74.00	-16.77	40.26	13.55	38.51	35.09	227	49	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11222.16	58.81	74.00	-15.19	41.43	13.81	38.77	35.20	205	59	Peak	HORIZONTAL
2	11223.20	46.82	54.00	-7.18	29.44	13.81	38.77	35.20	205	59	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11215.04	58.70	74.00	-15.30	41.42	13.76	38.72	35.20	203	80	Peak	VERTICAL
2	11223.56	46.42	54.00	-7.58	29.04	13.81	38.77	35.20	203	80	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.12	46.10	54.00	-7.90	28.21	14.13	39.09	35.33	137	62	Average	HORIZONTAL
2	11443.36	58.04	74.00	-15.96	40.15	14.13	39.09	35.33	137	62	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11432.68	46.02	54.00	-7.98	28.11	14.13	39.09	35.31	140	83	Average	VERTICAL
2	11437.52	58.65	74.00	-15.35	40.76	14.13	39.09	35.33	140	83	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11417.52	58.70	74.00	-15.30	40.79	14.13	39.09	35.31	148	31	Peak	HORIZONTAL
2	11419.12	46.45	54.00	-7.55	28.54	14.13	39.09	35.31	148	31	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11414.00	58.77	74.00	-15.23	40.96	14.08	39.04	35.31	143	197	Peak	VERTICAL
2	11414.56	46.05	54.00	-7.95	28.24	14.08	39.04	35.31	143	197	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015 ~ Dec. 04, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11375.68	46.32	54.00	-7.68	28.59	14.03	38.99	35.29	203	95	Average	HORIZONTAL
2	11385.08	59.28	74.00	-14.72	41.45	14.08	39.04	35.29	203	95	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11382.16	46.47	54.00	-7.53	28.74	14.03	38.99	35.29	203	72	Average	VERTICAL
2	11382.24	58.79	74.00	-15.21	41.06	14.03	38.99	35.29	203	72	Peak	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.22	49.89	54.00	-4.11	31.27	16.51	37.76	35.65	150	243	Average	HORIZONTAL
2	15780.43	63.05	74.00	-10.95	44.43	16.51	37.76	35.65	150	243	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.19	48.39	54.00	-5.61	29.77	16.51	37.76	35.65	148	212	Average	VERTICAL
2	15779.32	63.74	74.00	-10.26	45.12	16.51	37.76	35.65	148	212	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.89	45.62	54.00	-8.38	29.11	12.75	38.40	34.64	144	175	Average	HORIZONTAL
2	10600.35	58.11	74.00	-15.89	41.60	12.75	38.40	34.64	144	175	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.51	45.85	54.00	-8.15	29.34	12.75	38.40	34.64	141	188	Average	VERTICAL
2	10600.24	58.04	74.00	-15.96	41.53	12.75	38.40	34.64	141	188	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10640.17	58.23	74.00	-15.77	41.74	12.80	38.40	34.71	139	128	Peak	HORIZONTAL
2	10640.38	45.67	54.00	-8.33	29.18	12.80	38.40	34.71	139	128	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.37	57.30	74.00	-16.70	40.81	12.80	38.40	34.71	137	179	Peak	VERTICAL
2	10639.82	44.30	54.00	-9.70	27.81	12.80	38.40	34.71	137	179	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.73	56.78	74.00	-17.22	40.01	13.44	38.40	35.07	142	143	Peak	HORIZONTAL
2	11000.71	44.74	54.00	-9.26	27.97	13.44	38.40	35.07	142	143	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.22	44.65	54.00	-9.35	27.88	13.44	38.40	35.07	138	110	Average	VERTICAL
2	10999.58	57.24	74.00	-16.76	40.47	13.44	38.40	35.07	138	110	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.60	46.03	54.00	-7.97	28.81	13.71	38.67	35.16	150	67	Average	HORIZONTAL
2	11159.66	58.93	74.00	-15.07	41.71	13.71	38.67	35.16	150	67	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.25	58.75	74.00	-15.25	41.53	13.71	38.67	35.16	157	113	Peak	VERTICAL
2	11160.34	46.08	54.00	-7.92	28.86	13.71	38.67	35.16	157	113	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.95	46.32	54.00	-7.68	28.51	14.08	39.04	35.31	136	160	Average	HORIZONTAL
2	11400.84	59.06	74.00	-14.94	41.25	14.08	39.04	35.31	136	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.50	46.40	54.00	-7.60	28.59	14.08	39.04	35.31	146	120	Average	VERTICAL
2	11400.33	59.25	74.00	-14.75	41.44	14.08	39.04	35.31	146	120	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.38	62.77	74.00	-11.23	44.19	16.54	37.69	35.65	154	125	Peak	HORIZONTAL
2	15809.91	49.88	54.00	-4.12	31.30	16.54	37.69	35.65	154	125	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.74	62.59	74.00	-11.41	44.01	16.54	37.69	35.65	147	95	Peak	VERTICAL
2	15809.83	49.77	54.00	-4.23	31.19	16.54	37.69	35.65	147	95	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.35	59.00	74.00	-15.00	42.53	12.75	38.40	34.68	141	182	Peak	HORIZONTAL
2	10620.82	45.83	54.00	-8.17	29.36	12.75	38.40	34.68	141	182	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.00	45.89	54.00	-8.11	29.42	12.75	38.40	34.68	196	59	Average	VERTICAL
2	10619.26	59.23	74.00	-14.77	42.76	12.75	38.40	34.68	196	59	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11020.16	57.28	74.00	-16.72	40.51	13.44	38.40	35.07	154	94	Peak	HORIZONTAL
2	11020.21	44.76	54.00	-9.24	27.99	13.44	38.40	35.07	154	94	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11019.99	44.56	54.00	-9.44	27.79	13.44	38.40	35.07	148	105	Average	VERTICAL
2	11020.34	57.97	74.00	-16.03	41.20	13.44	38.40	35.07	148	105	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11099.11	45.63	54.00	-8.37	28.58	13.60	38.56	35.11	149	124	Average	HORIZONTAL
2	11099.70	58.16	74.00	-15.84	41.11	13.60	38.56	35.11	149	124	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11099.22	45.72	54.00	-8.28	28.67	13.60	38.56	35.11	142	84	Average	VERTICAL
2	11100.06	57.90	74.00	-16.10	40.85	13.60	38.56	35.11	142	84	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.22	46.62	54.00	-7.38	28.98	13.97	38.93	35.26	148	120	Average	HORIZONTAL
2	11339.48	59.95	74.00	-14.05	42.31	13.97	38.93	35.26	148	120	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.25	59.42	74.00	-14.58	41.78	13.97	38.93	35.26	144	183	Peak	VERTICAL
2	11340.26	46.52	54.00	-7.48	28.88	13.97	38.93	35.26	144	183	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15870.75	62.76	74.00	-11.24	44.24	16.57	37.62	35.67	132	62	Peak	HORIZONTAL
2	15870.85	49.32	54.00	-4.68	30.80	16.57	37.62	35.67	132	62	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.53	62.33	74.00	-11.67	43.81	16.57	37.62	35.67	130	36	Peak	VERTICAL
2	15870.02	49.73	54.00	-4.27	31.21	16.57	37.62	35.67	130	36	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.81	44.95	54.00	-9.05	28.10	13.49	38.45	35.09	140	62	Average	HORIZONTAL
2	11059.82	57.62	74.00	-16.38	40.77	13.49	38.45	35.09	140	62	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.62	44.99	54.00	-9.01	28.14	13.49	38.45	35.09	136	122	Average	VERTICAL
2	11060.25	57.86	74.00	-16.14	40.89	13.55	38.51	35.09	136	122	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.55	59.82	74.00	-14.18	42.54	13.76	38.72	35.20	148	175	Peak	HORIZONTAL
2	11220.51	46.71	54.00	-7.29	29.43	13.76	38.72	35.20	148	175	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.26	59.11	74.00	-14.89	41.83	13.76	38.72	35.20	144	131	Peak	VERTICAL
2	11220.65	46.72	54.00	-7.28	29.44	13.76	38.72	35.20	144	131	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11440.04	45.75	54.00	-8.25	27.86	14.13	39.09	35.33	150	109	Average	HORIZONTAL
2	11440.26	58.88	74.00	-15.12	40.99	14.13	39.09	35.33	150	109	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11440.14	45.61	54.00	-8.39	27.72	14.13	39.09	35.33	142	98	Average	VERTICAL
2	11440.43	57.81	74.00	-16.19	39.92	14.13	39.09	35.33	142	98	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11419.06	46.32	54.00	-7.68	28.41	14.13	39.09	35.31	122	196	Average	HORIZONTAL
2	11420.29	58.71	74.00	-15.29	40.80	14.13	39.09	35.31	122	196	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11419.89	59.15	74.00	-14.85	41.24	14.13	39.09	35.31	105	146	Peak	VERTICAL
2	11420.54	46.38	54.00	-7.62	28.47	14.13	39.09	35.31	105	146	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.20	58.91	74.00	-15.09	41.18	14.03	38.99	35.29	153	173	Peak	HORIZONTAL
2	11380.28	46.41	54.00	-7.59	28.68	14.03	38.99	35.29	153	173	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.79	59.79	74.00	-14.21	42.06	14.03	38.99	35.29	161	93	Peak	VERTICAL
2	11380.90	46.46	54.00	-7.54	28.73	14.03	38.99	35.29	161	93	Average	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15770.36	47.88	54.00	-6.12	31.34	14.43	37.76	35.65	154	139	Average	HORIZONTAL
2	15772.44	60.73	74.00	-13.27	44.19	14.43	37.76	35.65	154	139	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15774.64	47.79	54.00	-6.21	31.25	14.43	37.76	35.65	148	186	Average	VERTICAL
2	15780.60	60.71	74.00	-13.29	44.17	14.43	37.76	35.65	148	186	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10597.40	44.73	54.00	-9.27	29.33	11.64	38.40	34.64	145	154	Average	HORIZONTAL
2	10606.32	56.97	74.00	-17.03	41.61	11.64	38.40	34.68	145	154	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10591.04	57.26	74.00	-16.74	41.86	11.64	38.40	34.64	151	110	Peak	VERTICAL
2	10604.68	44.67	54.00	-9.33	29.31	11.64	38.40	34.68	151	110	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10642.56	44.50	54.00	-9.50	29.12	11.69	38.40	34.71	143	137	Average	HORIZONTAL
2	10643.48	57.63	74.00	-16.37	42.25	11.69	38.40	34.71	143	137	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10631.64	56.81	74.00	-17.19	41.40	11.69	38.40	34.68	143	135	Peak	VERTICAL
2	10640.12	44.54	54.00	-9.46	29.16	11.69	38.40	34.71	143	135	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11006.20	43.62	54.00	-10.38	28.06	12.23	38.40	35.07	141	156	Average	HORIZONTAL
2	11008.52	56.29	74.00	-17.71	40.73	12.23	38.40	35.07	141	156	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10992.48	43.56	54.00	-10.44	28.01	12.18	38.40	35.03	143	127	Average	VERTICAL
2	11005.24	56.34	74.00	-17.66	40.78	12.23	38.40	35.07	143	127	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11167.28	44.81	54.00	-9.19	28.85	12.45	38.67	35.16	132	148	Average	HORIZONTAL
2	11168.32	56.89	74.00	-17.11	40.93	12.45	38.67	35.16	132	148	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11165.72	57.71	74.00	-16.29	41.75	12.45	38.67	35.16	135	116	Peak	VERTICAL
2	11168.40	44.95	54.00	-9.05	28.99	12.45	38.67	35.16	135	116	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.80	45.03	54.00	-8.97	28.51	12.77	39.04	35.29	137	128	Average	HORIZONTAL
2	11407.92	57.34	74.00	-16.66	40.84	12.77	39.04	35.31	137	128	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.64	57.49	74.00	-16.51	40.97	12.77	39.04	35.29	139	93	Peak	VERTICAL
2	11400.72	45.11	54.00	-8.89	28.61	12.77	39.04	35.31	139	93	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15810.28	59.82	74.00	-14.18	43.34	14.44	37.69	35.65	155	211	Peak	HORIZONTAL
2	15814.40	47.69	54.00	-6.31	31.21	14.44	37.69	35.65	155	211	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15803.72	60.15	74.00	-13.85	43.67	14.44	37.69	35.65	154	187	Peak	VERTICAL
2	15818.72	47.77	54.00	-6.23	31.30	14.44	37.69	35.66	154	187	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10610.72	44.65	54.00	-9.35	29.29	11.64	38.40	34.68	153	194	Average	HORIZONTAL
2	10613.04	56.90	74.00	-17.10	41.54	11.64	38.40	34.68	153	194	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10611.04	44.53	54.00	-9.47	29.17	11.64	38.40	34.68	153	210	Average	VERTICAL
2	10628.12	56.31	74.00	-17.69	40.90	11.69	38.40	34.68	153	210	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11017.52	43.09	54.00	-10.91	27.53	12.23	38.40	35.07	117	132	Average	HORIZONTAL
2	11019.44	56.11	74.00	-17.89	40.55	12.23	38.40	35.07	117	132	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11026.00	55.57	74.00	-18.43	40.01	12.23	38.40	35.07	115	156	Peak	VERTICAL
2	11026.00	43.11	54.00	-10.89	27.55	12.23	38.40	35.07	115	156	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11108.76	56.61	74.00	-17.39	40.82	12.36	38.56	35.13	135	196	Peak	HORIZONTAL
2	11110.00	43.94	54.00	-10.06	28.15	12.36	38.56	35.13	135	196	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11102.20	44.08	54.00	-9.92	28.29	12.36	38.56	35.13	137	228	Average	VERTICAL
2	11104.04	56.61	74.00	-17.39	40.82	12.36	38.56	35.13	137	228	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11340.32	44.81	54.00	-9.19	28.46	12.68	38.93	35.26	270	122	Average	HORIZONTAL
2	11348.72	56.97	74.00	-17.03	40.62	12.68	38.93	35.26	270	122	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11336.48	57.83	74.00	-16.17	41.48	12.68	38.93	35.26	214	182	Peak	VERTICAL
2	11348.56	44.87	54.00	-9.13	28.52	12.68	38.93	35.26	214	182	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15871.16	60.34	74.00	-13.66	43.93	14.46	37.62	35.67	204	100	Peak	HORIZONTAL
2	15879.44	47.90	54.00	-6.10	31.54	14.48	37.55	35.67	204	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15875.84	60.70	74.00	-13.30	44.34	14.48	37.55	35.67	207	149	Peak	VERTICAL
2	15877.20	48.16	54.00	-5.84	31.80	14.48	37.55	35.67	207	149	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.32	56.26	74.00	-17.74	40.52	12.32	38.51	35.09	199	89	Peak	HORIZONTAL
2	11067.24	43.27	54.00	-10.73	27.55	12.32	38.51	35.11	199	89	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.76	43.41	54.00	-10.59	27.78	12.27	38.45	35.09	197	208	Average	VERTICAL
2	11068.24	56.31	74.00	-17.69	40.59	12.32	38.51	35.11	197	208	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11224.08	45.22	54.00	-8.78	29.11	12.54	38.77	35.20	187	143	Average	HORIZONTAL
2	11229.52	57.41	74.00	-16.59	41.30	12.54	38.77	35.20	187	143	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11218.52	58.46	74.00	-15.54	42.44	12.50	38.72	35.20	187	284	Peak	VERTICAL
2	11223.20	45.27	54.00	-8.73	29.16	12.54	38.77	35.20	187	284	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11433.40	44.57	54.00	-9.43	27.98	12.81	39.09	35.31	138	90	Average	HORIZONTAL
2	11434.04	56.59	74.00	-17.41	40.02	12.81	39.09	35.33	138	90	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.56	44.56	54.00	-9.44	27.99	12.81	39.09	35.33	140	49	Average	VERTICAL
2	11440.96	56.72	74.00	-17.28	40.15	12.81	39.09	35.33	140	49	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11417.24	44.67	54.00	-9.33	28.17	12.77	39.04	35.31	265	93	Average	HORIZONTAL
2	11420.24	56.75	74.00	-17.25	40.16	12.81	39.09	35.31	265	93	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11411.60	44.66	54.00	-9.34	28.16	12.77	39.04	35.31	237	172	Average	VERTICAL
2	11418.76	57.18	74.00	-16.82	40.59	12.81	39.09	35.31	237	172	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11374.04	57.84	74.00	-16.16	41.42	12.72	38.99	35.29	177	106	Peak	HORIZONTAL
2	11375.40	44.87	54.00	-9.13	28.45	12.72	38.99	35.29	177	106	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11386.04	44.94	54.00	-9.06	28.42	12.77	39.04	35.29	168	86	Average	VERTICAL
2	11388.40	57.40	74.00	-16.60	40.88	12.77	39.04	35.29	168	86	Peak	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15775.08	61.86	74.00	-12.14	41.55	16.51	37.76	33.96	212	65	Peak	HORIZONTAL
2	15779.54	48.59	54.00	-5.41	28.28	16.51	37.76	33.96	212	65	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15780.23	61.83	74.00	-12.17	41.52	16.51	37.76	33.96	192	84	Peak	VERTICAL
2	15781.81	47.50	54.00	-6.50	27.19	16.51	37.76	33.96	192	84	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.33	57.99	74.00	-16.01	40.48	12.75	38.40	33.64	252	99	Peak	HORIZONTAL
2	10604.84	45.67	54.00	-8.33	28.14	12.75	38.40	33.62	252	99	Average	HORIZONTAL
3	15897.54	61.08	74.00	-12.92	40.99	16.60	37.55	34.06	226	122	Peak	HORIZONTAL
4	15905.07	49.25	54.00	-4.75	29.16	16.60	37.55	34.06	226	122	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.93	45.23	54.00	-8.77	27.72	12.75	38.40	33.64	220	141	Average	VERTICAL
2	10603.47	58.68	74.00	-15.32	41.17	12.75	38.40	33.64	220	141	Peak	VERTICAL
3	15902.29	49.18	54.00	-4.82	29.09	16.60	37.55	34.06	231	126	Average	VERTICAL
4	15903.98	61.77	74.00	-12.23	41.68	16.60	37.55	34.06	231	126	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10641.56	45.35	54.00	-8.65	27.74	12.80	38.40	33.59	206	170	Average	HORIZONTAL
2	10643.87	58.54	74.00	-15.46	40.93	12.80	38.40	33.59	206	170	Peak	HORIZONTAL
3	15959.16	61.26	74.00	-12.74	41.26	16.63	37.47	34.10	231	143	Peak	HORIZONTAL
4	15961.01	48.37	54.00	-5.63	28.37	16.63	37.47	34.10	231	143	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.66	44.34	54.00	-9.66	26.73	12.80	38.40	33.59	203	104	Average	VERTICAL
2	10644.82	57.81	74.00	-16.19	40.20	12.80	38.40	33.59	203	104	Peak	VERTICAL
3	15954.74	61.87	74.00	-12.13	41.87	16.63	37.47	34.10	196	98	Peak	VERTICAL
4	15954.74	48.95	54.00	-5.05	28.95	16.63	37.47	34.10	196	98	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.37	59.01	74.00	-14.99	40.55	13.44	38.40	33.38	198	155	Peak	HORIZONTAL
2	11004.27	45.96	54.00	-8.04	27.50	13.44	38.40	33.38	198	155	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10995.06	58.72	74.00	-15.28	40.31	13.39	38.40	33.38	231	136	Peak	VERTICAL
2	11001.37	45.85	54.00	-8.15	27.39	13.44	38.40	33.38	231	136	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.81	58.88	74.00	-15.12	40.00	13.65	38.61	33.38	212	139	Peak	HORIZONTAL
2	11157.75	45.48	54.00	-8.52	26.48	13.71	38.67	33.38	212	139	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.20	59.48	74.00	-14.52	40.60	13.65	38.61	33.38	218	130	Peak	VERTICAL
2	11158.51	46.83	54.00	-7.17	27.83	13.71	38.67	33.38	218	130	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.56	44.62	54.00	-9.38	24.87	14.08	39.04	33.37	203	130	Average	HORIZONTAL
2	11396.82	58.23	74.00	-15.77	38.48	14.08	39.04	33.37	203	130	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11394.91	45.09	54.00	-8.91	25.34	14.08	39.04	33.37	195	124	Average	VERTICAL
2	11395.83	58.14	74.00	-15.86	38.39	14.08	39.04	33.37	195	124	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15804.84	61.32	74.00	-12.68	41.05	16.54	37.69	33.96	200	94	Peak	HORIZONTAL
2	15813.24	48.94	54.00	-5.06	28.67	16.54	37.69	33.96	200	94	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15810.69	61.53	74.00	-12.47	41.26	16.54	37.69	33.96	204	73	Peak	VERTICAL
2	15812.90	49.01	54.00	-4.99	28.74	16.54	37.69	33.96	204	73	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10614.78	44.73	54.00	-9.27	27.20	12.75	38.40	33.62	209	101	Average	HORIZONTAL
2	10615.39	58.03	74.00	-15.97	40.50	12.75	38.40	33.62	209	101	Peak	HORIZONTAL
3	15924.99	62.59	74.00	-11.41	42.59	16.63	37.47	34.10	217	105	Peak	HORIZONTAL
4	15927.96	49.77	54.00	-4.23	29.77	16.63	37.47	34.10	217	105	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10620.99	45.68	54.00	-8.32	28.15	12.75	38.40	33.62	195	115	Average	VERTICAL
2	10623.07	58.08	74.00	-15.92	40.50	12.80	38.40	33.62	195	115	Peak	VERTICAL
3	15925.06	62.51	74.00	-11.49	42.51	16.63	37.47	34.10	202	108	Peak	VERTICAL
4	15929.77	48.41	54.00	-5.59	28.41	16.63	37.47	34.10	202	108	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11018.53	46.09	54.00	-7.91	27.63	13.44	38.40	33.38	200	134	Average	HORIZONTAL
2	11019.68	58.82	74.00	-15.18	40.36	13.44	38.40	33.38	200	134	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11018.25	46.20	54.00	-7.80	27.74	13.44	38.40	33.38	212	136	Average	VERTICAL
2	11023.35	58.35	74.00	-15.65	39.89	13.44	38.40	33.38	212	136	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11095.52	45.17	54.00	-8.83	26.39	13.60	38.56	33.38	212	148	Average	HORIZONTAL
2	11097.45	59.81	74.00	-14.19	41.03	13.60	38.56	33.38	212	148	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11096.25	45.57	54.00	-8.43	26.79	13.60	38.56	33.38	222	152	Average	VERTICAL
2	11101.51	59.34	74.00	-14.66	40.56	13.60	38.56	33.38	222	152	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11335.16	44.65	54.00	-9.35	25.12	13.97	38.93	33.37	223	134	Average	HORIZONTAL
2	11343.16	58.39	74.00	-15.61	38.86	13.97	38.93	33.37	223	134	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11340.53	59.29	74.00	-14.71	39.76	13.97	38.93	33.37	236	142	Peak	VERTICAL
2	11343.62	45.65	54.00	-8.35	26.12	13.97	38.93	33.37	236	142	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15865.83	62.22	74.00	-11.78	42.04	16.57	37.62	34.01	193	192	Peak	HORIZONTAL
2	15870.93	47.83	54.00	-6.17	27.70	16.57	37.62	34.06	193	192	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15865.52	61.21	74.00	-12.79	41.03	16.57	37.62	34.01	209	212	Peak	VERTICAL
2	15871.20	49.12	54.00	-4.88	28.99	16.57	37.62	34.06	209	212	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11057.64	58.51	74.00	-15.49	39.95	13.49	38.45	33.38	199	204	Peak	HORIZONTAL
2	11064.19	45.52	54.00	-8.48	26.84	13.55	38.51	33.38	199	204	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11061.75	46.09	54.00	-7.91	27.41	13.55	38.51	33.38	204	208	Average	VERTICAL
2	11062.67	59.45	74.00	-14.55	40.77	13.55	38.51	33.38	204	208	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11215.27	59.31	74.00	-14.69	40.21	13.76	38.72	33.38	208	213	Peak	HORIZONTAL
2	11223.05	46.85	54.00	-7.15	27.65	13.81	38.77	33.38	208	213	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11221.28	59.88	74.00	-14.12	40.68	13.81	38.77	33.38	234	206	Peak	VERTICAL
2	11223.66	46.81	54.00	-7.19	27.61	13.81	38.77	33.38	234	206	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11437.56	44.90	54.00	-9.10	25.05	14.13	39.09	33.37	196	107	Average	HORIZONTAL
2	11439.22	59.01	74.00	-14.99	39.16	14.13	39.09	33.37	196	107	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11435.92	44.85	54.00	-9.15	25.00	14.13	39.09	33.37	185	111	Average	VERTICAL
2	11437.20	58.21	74.00	-15.79	38.36	14.13	39.09	33.37	185	111	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11415.81	58.21	74.00	-15.79	38.46	14.08	39.04	33.37	213	144	Peak	HORIZONTAL
2	11421.33	45.88	54.00	-8.12	26.03	14.13	39.09	33.37	213	144	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11415.88	58.86	74.00	-15.14	39.11	14.08	39.04	33.37	207	147	Peak	VERTICAL
2	11417.73	45.06	54.00	-8.94	25.21	14.13	39.09	33.37	207	147	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.46	44.78	54.00	-9.22	25.13	14.03	38.99	33.37	222	198	Average	HORIZONTAL
2	11385.11	53.93	74.00	-20.07	34.18	14.08	39.04	33.37	222	198	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11381.79	58.08	74.00	-15.92	38.43	14.03	38.99	33.37	230	202	Peak	VERTICAL
2	11381.83	45.75	54.00	-8.25	26.10	14.03	38.99	33.37	230	202	Average	VERTICAL

Note:

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

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

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

4.6. 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 / 1/T 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.

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

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5133.40	60.05	74.00	-13.95	51.87	8.09	33.72	33.63	179	359	Peak	VERTICAL
2	5150.00	47.42	54.00	-6.58	39.16	8.15	33.74	33.63	179	359	Average	VERTICAL
3	5261.80	124.60			116.03	8.27	33.91	33.61	179	359	Peak	VERTICAL
4	5261.80	114.54			105.97	8.27	33.91	33.61	179	359	Average	VERTICAL
5	5360.80	49.33	54.00	-4.67	40.66	8.19	34.08	33.60	179	359	Average	VERTICAL
6	5367.40	62.13	74.00	-11.87	53.46	8.19	34.08	33.60	179	359	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5303.60	113.58			104.97	8.24	33.98	33.61	198	352	Average	VERTICAL
2	5306.40	125.23			116.62	8.24	33.98	33.61	198	352	Peak	VERTICAL
3	5350.00	65.66	74.00	-8.34	57.00	8.20	34.06	33.60	198	352	Peak	VERTICAL
4	5351.20	52.33	54.00	-1.67	43.67	8.20	34.06	33.60	198	352	Average	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5322.20	109.91			101.27	8.23	34.01	33.60	193	2	Average	VERTICAL
2	5324.80	121.57			112.92	8.22	34.03	33.60	193	2	Peak	VERTICAL
3	5350.00	65.10	74.00	-8.90	56.44	8.20	34.06	33.60	193	2	Peak	VERTICAL
4	5350.00	52.43	54.00	-1.57	43.77	8.20	34.06	33.60	193	2	Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.60	50.21	54.00	-3.79	41.20	8.36	34.23	33.58	188	359	Average	VERTICAL
2	5460.00	62.94	74.00	-11.06	53.93	8.36	34.23	33.58	188	359	Peak	VERTICAL
3	5467.40	66.82	68.20	-1.38	57.74	8.41	34.25	33.58	188	359	Peak	VERTICAL
4	5492.20	109.17			100.01	8.46	34.28	33.58	188	359	Average	VERTICAL
5	5492.60	120.39			111.23	8.46	34.28	33.58	188	359	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5442.60	61.12	74.00	-12.88	52.19	8.32	34.20	33.59	182	355	Peak	HORIZONTAL
2	5460.00	48.92	54.00	-5.08	39.91	8.36	34.23	33.58	182	355	Average	HORIZONTAL
3	5465.80	60.95	68.20	-7.25	51.87	8.41	34.25	33.58	182	355	Peak	HORIZONTAL
4	5576.40	120.72			111.21	8.75	34.35	33.59	182	355	Peak	HORIZONTAL
5	5576.40	109.19			99.68	8.75	34.35	33.59	182	355	Average	HORIZONTAL
6	5727.00	61.25	68.20	-6.95	51.94	8.47	34.44	33.60	182	355	Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.00	120.31			110.93	8.56	34.42	33.60	174	358	Peak	HORIZONTAL
2	5698.20	107.08			97.70	8.56	34.42	33.60	174	358	Average	HORIZONTAL
3	5725.00	67.15	68.20	-1.05	57.84	8.47	34.44	33.60	174	358	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5258.80	115.60			107.03	8.27	33.91	33.61	183	357	Peak	VERTICAL
2	5259.20	106.25			97.68	8.27	33.91	33.61	183	357	Average	VERTICAL
3	5355.60	49.04	54.00	-4.96	40.37	8.19	34.08	33.60	183	357	Average	VERTICAL
4	5360.80	61.71	74.00	-12.29	53.04	8.19	34.08	33.60	183	357	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5306.00	112.39			103.78	8.24	33.98	33.61	174	348	Peak	VERTICAL
2	5313.20	102.15			93.51	8.23	34.01	33.60	174	348	Average	VERTICAL
3	5350.00	66.26	74.00	-7.74	57.60	8.20	34.06	33.60	174	348	Peak	VERTICAL
4	5350.80	52.58	54.00	-1.42	43.92	8.20	34.06	33.60	174	348	Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.60	64.12	74.00	-9.88	55.11	8.36	34.23	33.58	189	356	Peak	VERTICAL
2	5459.60	50.06	54.00	-3.94	41.05	8.36	34.23	33.58	189	356	Average	VERTICAL
3	5466.40	66.82	68.20	-1.38	57.74	8.41	34.25	33.58	189	356	Peak	VERTICAL
4	5499.60	113.26			104.03	8.51	34.30	33.58	189	356	Peak	VERTICAL
5	5520.00	102.24			92.95	8.56	34.31	33.58	189	356	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.00	61.21	74.00	-12.79	52.20	8.36	34.23	33.58	180	355	Peak	VERTICAL
2	5458.80	49.69	54.00	-4.31	40.68	8.36	34.23	33.58	180	355	Average	VERTICAL
3	5461.20	62.14	68.20	-6.06	53.13	8.36	34.23	33.58	180	355	Peak	VERTICAL
4	5538.80	118.42			109.07	8.61	34.32	33.58	180	355	Peak	VERTICAL
5	5545.60	107.06			97.66	8.65	34.33	33.58	180	355	Average	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5682.00	105.57			96.15	8.60	34.41	33.59	176	360	Average	HORIZONTAL
2	5682.40	117.69			108.27	8.60	34.41	33.59	176	360	Peak	HORIZONTAL
3	5728.00	67.19	68.20	-1.01	57.88	8.47	34.44	33.60	176	360	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5052.00	60.03	74.00	-13.97	51.77	7.74	33.57	33.05	185	358	Peak	VERTICAL
2	5064.00	48.05	54.00	-5.95	39.70	7.80	33.60	33.05	185	358	Average	VERTICAL
3	5258.00	105.60			96.48	8.27	33.91	33.06	185	358	Peak	VERTICAL
4	5310.00	94.95			85.77	8.23	34.01	33.06	185	358	Average	VERTICAL
5	5355.00	52.83	54.00	-1.17	43.62	8.19	34.08	33.06	185	358	Average	VERTICAL
6	5376.00	63.70	74.00	-10.30	54.47	8.18	34.11	33.06	185	358	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.00	62.96	74.00	-11.04	53.43	8.36	34.23	33.06	191	356	Peak	VERTICAL
2	5460.00	52.95	54.00	-1.05	43.42	8.36	34.23	33.06	191	356	Average	VERTICAL
3	5462.00	63.38	68.20	-4.82	53.85	8.36	34.23	33.06	191	356	Peak	VERTICAL
4	5524.00	102.66			92.86	8.56	34.31	33.07	191	356	Peak	VERTICAL
5	5524.00	92.63			82.83	8.56	34.31	33.07	191	356	Average	VERTICAL
6	5769.00	61.65	68.20	-6.55	51.95	8.39	34.46	33.15	191	356	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5450.00	65.88	74.00	-8.12	56.35	8.36	34.23	33.06	190	357	Peak	VERTICAL
2	5460.00	51.86	54.00	-2.14	42.33	8.36	34.23	33.06	190	357	Average	VERTICAL
3	5470.00	67.18	68.20	-1.02	57.58	8.41	34.25	33.06	190	357	Peak	VERTICAL
4	5580.00	111.91			101.90	8.75	34.35	33.09	190	357	Peak	VERTICAL
5	5593.00	101.03			90.96	8.80	34.36	33.09	190	357	Average	VERTICAL
6	5744.00	62.76	68.20	-5.44	53.02	8.43	34.45	33.14	190	357	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.20	115.08			105.74	8.51	34.43	33.60	177	352	Peak	VERTICAL
2	5713.40	105.71			96.37	8.51	34.43	33.60	177	352	Average	VERTICAL
3	5856.00	60.31	68.20	-7.89	50.76	8.64	34.52	33.61	177	352	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.60	101.30			91.96	8.51	34.43	33.60	174	358	Average	VERTICAL
2	5722.00	113.84			104.50	8.51	34.43	33.60	174	358	Peak	VERTICAL
3	5852.80	60.71	68.20	-7.49	51.25	8.56	34.51	33.61	174	358	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	60.68	74.00	-13.32	51.15	8.36	34.23	33.06	198	354	Peak	HORIZONTAL
2	5458.00	49.68	54.00	-4.32	40.15	8.36	34.23	33.06	198	354	Average	HORIZONTAL
3	5470.00	60.59	68.20	-7.61	50.99	8.41	34.25	33.06	198	354	Peak	HORIZONTAL
4	5692.00	114.70			104.85	8.56	34.42	33.13	198	354	Peak	HORIZONTAL
5	5694.00	102.77			92.92	8.56	34.42	33.13	198	354	Average	HORIZONTAL
6	5916.00	61.62	68.20	-6.58	51.38	8.88	34.55	33.19	198	354	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5690 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.80	60.63	74.00	-13.37	51.79	8.15	33.74	33.05	101	357	Peak	HORIZONTAL
2	5150.00	48.03	54.00	-5.97	39.19	8.15	33.74	33.05	101	357	Average	HORIZONTAL
3	5256.40	107.61			98.49	8.27	33.91	33.06	101	357	Average	HORIZONTAL
4	5257.60	119.01			109.89	8.27	33.91	33.06	101	357	Peak	HORIZONTAL
5	5350.00	49.36	54.00	-4.64	40.16	8.20	34.06	33.06	101	357	Average	HORIZONTAL
6	5371.00	62.60	74.00	-11.40	53.37	8.18	34.11	33.06	101	357	Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5293.60	117.04			107.88	8.24	33.98	33.06	100	356	Peak	VERTICAL
2	5301.60	106.97			97.81	8.24	33.98	33.06	100	356	Average	VERTICAL
3	5350.00	63.56	74.00	-10.44	54.36	8.20	34.06	33.06	100	356	Peak	VERTICAL
4	5350.00	52.89	54.00	-1.11	43.69	8.20	34.06	33.06	100	356	Average	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5323.60	118.43			109.24	8.22	34.03	33.06	101	359	Peak	HORIZONTAL
2	5328.40	108.83			99.64	8.22	34.03	33.06	101	359	Average	HORIZONTAL
3	5350.00	52.98	54.00	-1.02	43.78	8.20	34.06	33.06	101	359	Average	HORIZONTAL
4	5351.40	68.42	74.00	-5.58	59.22	8.20	34.06	33.06	101	359	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.80	62.82	74.00	-11.18	53.29	8.36	34.23	33.06	141	360	Peak	VERTICAL
2	5459.60	51.77	54.00	-2.23	42.24	8.36	34.23	33.06	141	360	Average	VERTICAL
3	5461.60	67.02	74.00	-6.98	57.49	8.36	34.23	33.06	141	360	Peak	VERTICAL
4	5469.80	52.64	54.00	-1.36	43.04	8.41	34.25	33.06	141	360	Average	VERTICAL
5	5497.80	103.97			94.22	8.51	34.30	33.06	141	360	Average	VERTICAL
6	5505.40	116.39			106.64	8.51	34.30	33.06	141	360	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.80	62.37	74.00	-11.63	52.84	8.36	34.23	33.06	119	356	Peak	HORIZONTAL
2	5460.00	49.78	54.00	-4.22	40.25	8.36	34.23	33.06	119	356	Average	HORIZONTAL
3	5464.60	62.86	74.00	-11.14	53.26	8.41	34.25	33.06	119	356	Peak	HORIZONTAL
4	5470.00	50.10	54.00	-3.90	40.50	8.41	34.25	33.06	119	356	Average	HORIZONTAL
5	5577.00	101.40			91.38	8.75	34.35	33.08	119	356	Average	HORIZONTAL
6	5583.60	111.81			101.80	8.75	34.35	33.09	119	356	Peak	HORIZONTAL
7	5725.00	60.92	74.00	-13.08	51.14	8.47	34.44	33.13	119	356	Peak	HORIZONTAL
8	5725.00	49.45	54.00	-4.55	39.67	8.47	34.44	33.13	119	356	Average	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.80	101.63			91.78	8.56	34.42	33.13	101	358	Average	HORIZONTAL
2	5703.60	112.87			103.02	8.56	34.42	33.13	101	358	Peak	HORIZONTAL
3	5725.20	67.05	68.20	-1.15	57.27	8.47	34.44	33.13	101	358	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5261.20	114.98			105.86	8.27	33.91	33.06	185	345	Peak	VERTICAL
2	5284.40	104.60			95.45	8.25	33.96	33.06	185	345	Average	VERTICAL
3	5350.00	64.88	74.00	-9.12	55.68	8.20	34.06	33.06	185	345	Peak	VERTICAL
4	5350.00	52.91	54.00	-1.09	43.71	8.20	34.06	33.06	185	345	Average	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.00	99.41			90.25	8.24	33.98	33.06	100	348	Average	HORIZONTAL
2	5300.40	109.61			100.45	8.24	33.98	33.06	100	348	Peak	HORIZONTAL
3	5350.00	52.89	54.00	-1.11	43.69	8.20	34.06	33.06	100	348	Average	HORIZONTAL
4	5350.80	65.40	74.00	-8.60	56.20	8.20	34.06	33.06	100	348	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5434.40	63.40	74.00	-10.60	53.94	8.32	34.20	33.06	105	358	Peak	HORIZONTAL
2	5458.80	50.72	54.00	-3.28	41.19	8.36	34.23	33.06	105	358	Average	HORIZONTAL
3	5466.80	67.13	74.00	-6.87	57.53	8.41	34.25	33.06	105	358	Peak	HORIZONTAL
4	5468.40	52.80	54.00	-1.20	43.20	8.41	34.25	33.06	105	358	Average	HORIZONTAL
5	5519.60	112.87			103.07	8.56	34.31	33.07	105	358	Peak	HORIZONTAL
6	5520.40	101.22			91.42	8.56	34.31	33.07	105	358	Average	HORIZONTAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.40	66.45	74.00	-7.55	56.92	8.36	34.23	33.06	100	356	Peak	HORIZONTAL
2	5458.00	52.88	54.00	-1.12	43.35	8.36	34.23	33.06	100	356	Average	HORIZONTAL
3	5469.20	66.61	68.20	-1.59	57.01	8.41	34.25	33.06	100	356	Peak	HORIZONTAL
4	5534.80	118.06			108.20	8.61	34.32	33.07	100	356	Peak	HORIZONTAL
5	5535.20	106.62			96.76	8.61	34.32	33.07	100	356	Average	HORIZONTAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5672.80	101.32			91.43	8.60	34.41	33.12	101	358	Average	HORIZONTAL
2	5678.80	111.52			101.63	8.60	34.41	33.12	101	358	Peak	HORIZONTAL
3	5725.00	51.17	54.00	-2.83	41.39	8.47	34.44	33.13	101	358	Average	HORIZONTAL
4	5729.60	62.93	74.00	-11.07	53.16	8.47	34.44	33.14	101	358	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	58.88	74.00	-15.12	50.04	8.15	33.74	33.05	127	358	Peak	VERTICAL
2	5150.00	48.10	54.00	-5.90	39.26	8.15	33.74	33.05	127	358	Average	VERTICAL
3	5297.00	107.69			98.53	8.24	33.98	33.06	127	358	Peak	VERTICAL
4	5298.00	96.15			86.99	8.24	33.98	33.06	127	358	Average	VERTICAL
5	5366.00	64.78	74.00	-9.22	55.57	8.19	34.08	33.06	127	358	Peak	VERTICAL
6	5368.00	52.96	54.00	-1.04	43.75	8.19	34.08	33.06	127	358	Average	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5442.00	51.51	54.00	-2.49	42.05	8.32	34.20	33.06	106	352	Average	HORIZONTAL
2	5448.00	64.87	74.00	-9.13	55.34	8.36	34.23	33.06	106	352	Peak	HORIZONTAL
3	5461.00	52.60	54.00	-1.40	43.07	8.36	34.23	33.06	106	352	Average	HORIZONTAL
4	5462.00	66.95	74.00	-7.05	57.42	8.36	34.23	33.06	106	352	Peak	HORIZONTAL
5	5521.00	108.53			98.73	8.56	34.31	33.07	106	352	Peak	HORIZONTAL
6	5521.00	97.26			87.46	8.56	34.31	33.07	106	352	Average	HORIZONTAL
7	5725.00	49.19	54.00	-4.81	39.41	8.47	34.44	33.13	106	352	Average	HORIZONTAL
8	5737.00	62.36	74.00	-11.64	52.59	8.47	34.44	33.14	106	352	Peak	HORIZONTAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5447.00	63.02	74.00	-10.98	53.56	8.32	34.20	33.06	122	357	Peak	HORIZONTAL
2	5460.00	51.45	54.00	-2.55	41.92	8.36	34.23	33.06	122	357	Average	HORIZONTAL
3	5469.00	64.37	68.20	-3.83	54.77	8.41	34.25	33.06	122	357	Peak	HORIZONTAL
4	5584.00	109.05			99.04	8.75	34.35	33.09	122	357	Peak	HORIZONTAL
5	5622.00	95.97			85.94	8.76	34.37	33.10	122	357	Average	HORIZONTAL
6	5725.00	62.67	68.20	-5.53	52.89	8.47	34.44	33.13	122	357	Peak	HORIZONTAL

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

Note:

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

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

Straddle Channel

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.40	113.91			104.13	8.47	34.44	33.13	148	353	Peak	VERTICAL
2	5725.40	102.78			93.00	8.47	34.44	33.13	148	353	Average	VERTICAL
3	5858.00	62.77	68.20	-5.43	52.78	8.64	34.52	33.17	148	353	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.20	99.93			90.12	8.51	34.43	33.13	126	349	Average	HORIZONTAL
2	5719.00	111.26			101.45	8.51	34.43	33.13	126	349	Peak	HORIZONTAL
3	5853.00	61.88	68.20	-6.32	51.98	8.56	34.51	33.17	126	349	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.00	49.98	54.00	-4.02	40.45	8.36	34.23	33.06	101	357	Average	HORIZONTAL
2	5456.27	60.98	74.00	-13.02	51.45	8.36	34.23	33.06	101	357	Peak	HORIZONTAL
3	5467.00	61.96	68.20	-6.24	52.36	8.41	34.25	33.06	101	357	Peak	HORIZONTAL
4	5716.00	111.07			101.26	8.51	34.43	33.13	101	357	Peak	HORIZONTAL
5	5716.00	100.70			90.89	8.51	34.43	33.13	101	357	Average	HORIZONTAL
6	5890.00	62.88	68.20	-5.32	52.72	8.80	34.54	33.18	101	357	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5690 MHz.

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5111.80	48.15	54.00	-5.85	39.56	7.97	33.67	33.05	221	70	Average	HORIZONTAL
2	5112.40	59.86	74.00	-14.14	51.19	8.03	33.69	33.05	221	70	Peak	HORIZONTAL
3	5264.20	116.58			107.44	8.26	33.94	33.06	221	70	Peak	HORIZONTAL
4	5264.80	104.82			95.68	8.26	33.94	33.06	221	70	Average	HORIZONTAL
5	5350.00	61.66	74.00	-12.34	52.46	8.20	34.06	33.06	221	70	Peak	HORIZONTAL
6	5362.60	49.68	54.00	-4.32	40.47	8.19	34.08	33.06	221	70	Average	HORIZONTAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5297.60	117.23			108.07	8.24	33.98	33.06	174	86	Peak	VERTICAL
2	5302.40	106.36			97.20	8.24	33.98	33.06	174	86	Average	VERTICAL
3	5373.20	50.00	54.00	-4.00	40.77	8.18	34.11	33.06	174	86	Average	VERTICAL
4	5373.60	61.95	74.00	-12.05	52.72	8.18	34.11	33.06	174	86	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.40	113.62			104.44	8.23	34.01	33.06	211	72	Peak	HORIZONTAL
2	5312.60	102.64			93.46	8.23	34.01	33.06	211	72	Average	HORIZONTAL
3	5350.00	62.03	74.00	-11.97	52.83	8.20	34.06	33.06	211	72	Peak	HORIZONTAL
4	5361.40	50.34	54.00	-3.66	41.13	8.19	34.08	33.06	211	72	Average	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.20	62.48	74.00	-11.52	52.95	8.36	34.23	33.06	169	101	Peak	VERTICAL
2	5459.60	50.22	54.00	-3.78	40.69	8.36	34.23	33.06	169	101	Average	VERTICAL
3	5467.60	63.91	68.20	-4.29	54.31	8.41	34.25	33.06	169	101	Peak	VERTICAL
4	5493.60	118.52			108.84	8.46	34.28	33.06	169	101	Peak	VERTICAL
5	5497.00	105.88			96.13	8.51	34.30	33.06	169	101	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5437.80	50.17	54.00	-3.83	40.71	8.32	34.20	33.06	171	2	Average	VERTICAL
2	5446.80	62.65	74.00	-11.35	53.19	8.32	34.20	33.06	171	2	Peak	VERTICAL
3	5461.60	62.16	68.20	-6.04	52.63	8.36	34.23	33.06	171	2	Peak	VERTICAL
4	5576.40	106.35			96.33	8.75	34.35	33.08	171	2	Average	VERTICAL
5	5581.20	116.92			106.91	8.75	34.35	33.09	171	2	Peak	VERTICAL
6	5727.60	61.99	68.20	-6.21	52.22	8.47	34.44	33.14	171	2	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.40	111.77			101.92	8.56	34.42	33.13	225	226	Peak	HORIZONTAL
2	5697.60	100.44			90.59	8.56	34.42	33.13	225	226	Average	HORIZONTAL
3	5725.20	63.43	68.20	-4.77	53.65	8.47	34.44	33.13	225	226	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5272.80	103.32			94.18	8.26	33.94	33.06	175	266	Average	VERTICAL
2	5278.80	114.56			105.41	8.25	33.96	33.06	175	266	Peak	VERTICAL
3	5354.00	50.05	54.00	-3.95	40.85	8.20	34.06	33.06	175	266	Average	VERTICAL
4	5356.40	61.82	74.00	-12.18	52.61	8.19	34.08	33.06	175	266	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.80	110.49			101.31	8.23	34.01	33.06	182	256	Peak	VERTICAL
2	5315.60	98.51			89.33	8.23	34.01	33.06	182	256	Average	VERTICAL
3	5350.40	52.79	54.00	-1.21	43.59	8.20	34.06	33.06	182	256	Average	VERTICAL
4	5352.80	64.41	74.00	-9.59	55.21	8.20	34.06	33.06	182	256	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.20	51.09	54.00	-2.91	41.56	8.36	34.23	33.06	174	250	Average	VERTICAL
2	5458.00	64.05	74.00	-9.95	54.52	8.36	34.23	33.06	174	250	Peak	VERTICAL
3	5466.80	66.94	68.20	-1.26	57.34	8.41	34.25	33.06	174	250	Peak	VERTICAL
4	5513.60	101.03			91.23	8.56	34.31	33.07	174	250	Average	VERTICAL
5	5515.20	113.83			104.03	8.56	34.31	33.07	174	250	Peak	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.20	61.59	74.00	-12.41	52.06	8.36	34.23	33.06	234	236	Peak	HORIZONTAL
2	5460.00	49.82	54.00	-4.18	40.29	8.36	34.23	33.06	234	236	Average	HORIZONTAL
3	5468.80	61.14	68.20	-7.06	51.54	8.41	34.25	33.06	234	236	Peak	HORIZONTAL
4	5554.80	101.25			91.35	8.65	34.33	33.08	234	236	Average	HORIZONTAL
5	5556.00	111.35			101.45	8.65	34.33	33.08	234	236	Peak	HORIZONTAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5675.60	112.98			103.09	8.60	34.41	33.12	175	252	Peak	VERTICAL
2	5675.60	101.88			91.99	8.60	34.41	33.12	175	252	Average	VERTICAL
3	5727.20	65.35	68.20	-2.85	55.58	8.47	34.44	33.14	175	252	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5079.00	60.45	74.00	-13.55	52.02	7.86	33.62	33.05	171	251	Peak	VERTICAL
2	5088.00	47.29	54.00	-6.71	38.77	7.92	33.65	33.05	171	251	Average	VERTICAL
3	5287.00	93.45			84.30	8.25	33.96	33.06	171	251	Average	VERTICAL
4	5320.00	104.37			95.19	8.23	34.01	33.06	171	251	Peak	VERTICAL
5	5369.00	52.70	54.00	-1.30	43.49	8.19	34.08	33.06	171	251	Average	VERTICAL
6	5373.00	64.01	74.00	-9.99	54.78	8.18	34.11	33.06	171	251	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	66.07	74.00	-7.93	56.54	8.36	34.23	33.06	173	254	Peak	VERTICAL
2	5458.00	52.14	54.00	-1.86	42.61	8.36	34.23	33.06	173	254	Average	VERTICAL
3	5469.00	67.09	68.20	-1.11	57.49	8.41	34.25	33.06	173	254	Peak	VERTICAL
4	5561.00	107.17			97.21	8.70	34.34	33.08	173	254	Peak	VERTICAL
5	5561.00	95.45			85.49	8.70	34.34	33.08	173	254	Average	VERTICAL
6	5725.00	62.89	68.20	-5.31	53.11	8.47	34.44	33.13	173	254	Peak	VERTICAL
7	5725.00	48.89	68.20	-19.31	39.11	8.47	34.44	33.13	173	254	Average	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.00	63.47	74.00	-10.53	53.94	8.36	34.23	33.06	177	251	Peak	VERTICAL
2	5459.00	51.01	54.00	-2.99	41.48	8.36	34.23	33.06	177	251	Average	VERTICAL
3	5463.00	63.67	68.20	-4.53	54.14	8.36	34.23	33.06	177	251	Peak	VERTICAL
4	5614.00	99.62			89.59	8.76	34.37	33.10	177	251	Average	VERTICAL
5	5637.00	110.44			100.45	8.72	34.38	33.11	177	251	Peak	VERTICAL
6	5730.00	63.33	68.20	-4.87	53.56	8.47	34.44	33.14	177	251	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.60	113.29			103.48	8.51	34.43	33.13	225	244	Peak	HORIZONTAL
2	5728.00	101.03			91.26	8.47	34.44	33.14	225	244	Average	HORIZONTAL
3	5892.80	62.83	68.20	-5.37	52.67	8.80	34.54	33.18	225	244	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.60	100.78			90.97	8.51	34.43	33.13	173	261	Average	VERTICAL
2	5726.80	111.56			101.79	8.47	34.44	33.14	173	261	Peak	VERTICAL
3	5850.00	63.11	68.20	-5.09	53.21	8.56	34.51	33.17	173	261	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5682.00	97.44			87.55	8.60	34.41	33.12	223	247	Average	HORIZONTAL
2	5722.00	106.62			96.81	8.51	34.43	33.13	223	247	Peak	HORIZONTAL
3	5867.60	62.20	68.20	-6.00	52.22	8.64	34.52	33.18	223	247	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5119.60	60.24	74.00	-13.76	51.57	8.03	33.69	33.05	264	14	Peak	HORIZONTAL
2	5123.20	47.81	54.00	-6.19	39.14	8.03	33.69	33.05	264	14	Average	HORIZONTAL
3	5265.40	105.79			96.65	8.26	33.94	33.06	264	14	Average	HORIZONTAL
4	5266.60	116.44			107.30	8.26	33.94	33.06	264	14	Peak	HORIZONTAL
5	5358.40	61.22	74.00	-12.78	52.01	8.19	34.08	33.06	264	14	Peak	HORIZONTAL
6	5360.20	49.37	54.00	-4.63	40.16	8.19	34.08	33.06	264	14	Average	HORIZONTAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.60	108.14			98.98	8.24	33.98	33.06	206	348	Average	VERTICAL
2	5295.20	117.41			108.25	8.24	33.98	33.06	206	348	Peak	VERTICAL
3	5351.00	49.66	54.00	-4.34	40.46	8.20	34.06	33.06	206	348	Average	VERTICAL
4	5367.40	61.87	74.00	-12.13	52.66	8.19	34.08	33.06	206	348	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.00	106.43			97.25	8.23	34.01	33.06	206	333	Average	VERTICAL
2	5314.60	116.07			106.89	8.23	34.01	33.06	206	333	Peak	VERTICAL
3	5351.00	61.53	74.00	-12.47	52.33	8.20	34.06	33.06	206	333	Peak	VERTICAL
4	5353.20	50.21	54.00	-3.79	41.01	8.20	34.06	33.06	206	333	Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.80	62.03	74.00	-11.97	52.50	8.36	34.23	33.06	240	4	Peak	HORIZONTAL
2	5460.00	50.66	54.00	-3.34	41.13	8.36	34.23	33.06	240	4	Average	HORIZONTAL
3	5469.40	66.00	68.20	-2.20	56.40	8.41	34.25	33.06	240	4	Peak	HORIZONTAL
4	5502.00	108.15			98.40	8.51	34.30	33.06	240	4	Average	HORIZONTAL
5	5502.40	119.28			109.53	8.51	34.30	33.06	240	4	Peak	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5430.60	49.58	54.00	-4.42	40.19	8.27	34.18	33.06	225	356	Average	HORIZONTAL
2	5451.60	62.44	74.00	-11.56	52.91	8.36	34.23	33.06	225	356	Peak	HORIZONTAL
3	5465.20	61.83	68.20	-6.37	52.23	8.41	34.25	33.06	225	356	Peak	HORIZONTAL
4	5585.40	106.98			96.97	8.75	34.35	33.09	225	356	Average	HORIZONTAL
5	5586.60	116.51			106.50	8.75	34.35	33.09	225	356	Peak	HORIZONTAL
6	5727.60	60.06	68.20	-8.14	50.29	8.47	34.44	33.14	225	356	Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.80	116.81			106.96	8.56	34.42	33.13	268	358	Peak	VERTICAL
2	5695.40	100.64			90.79	8.56	34.42	33.13	268	358	Average	VERTICAL
3	5725.40	66.89	68.20	-1.31	57.11	8.47	34.44	33.13	268	358	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.40	118.35			109.21	8.26	33.94	33.06	200	45	Peak	HORIZONTAL
2	5272.00	105.54			96.40	8.26	33.94	33.06	200	45	Average	HORIZONTAL
3	5350.00	49.71	54.00	-4.29	40.51	8.20	34.06	33.06	200	45	Average	HORIZONTAL
4	5359.60	62.11	74.00	-11.89	52.90	8.19	34.08	33.06	200	45	Peak	HORIZONTAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.40	110.58			101.42	8.24	33.98	33.06	188	48	Peak	VERTICAL
2	5325.60	98.93			89.74	8.22	34.03	33.06	188	48	Average	VERTICAL
3	5350.00	52.67	54.00	-1.33	43.47	8.20	34.06	33.06	188	48	Average	VERTICAL
4	5352.80	64.01	74.00	-9.99	54.81	8.20	34.06	33.06	188	48	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.80	62.02	74.00	-11.98	52.49	8.36	34.23	33.06	200	33	Peak	HORIZONTAL
2	5460.00	50.64	54.00	-3.36	41.11	8.36	34.23	33.06	200	33	Average	HORIZONTAL
3	5467.60	67.11	68.20	-1.09	57.51	8.41	34.25	33.06	200	33	Peak	HORIZONTAL
4	5507.20	111.73			101.99	8.51	34.30	33.07	200	33	Peak	HORIZONTAL
5	5507.20	100.64			90.90	8.51	34.30	33.07	200	33	Average	HORIZONTAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.80	60.97	74.00	-13.03	51.44	8.36	34.23	33.06	199	29	Peak	HORIZONTAL
2	5460.00	50.02	54.00	-3.98	40.49	8.36	34.23	33.06	199	29	Average	HORIZONTAL
3	5468.80	62.26	68.20	-5.94	52.66	8.41	34.25	33.06	199	29	Peak	HORIZONTAL
4	5532.60	101.96			92.10	8.61	34.32	33.07	199	29	Average	HORIZONTAL
5	5551.80	115.92			106.02	8.65	34.33	33.08	199	29	Peak	HORIZONTAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5665.20	115.28			105.35	8.64	34.40	33.11	200	25	Peak	HORIZONTAL
2	5672.80	100.10			90.21	8.60	34.41	33.12	200	25	Average	HORIZONTAL
3	5725.60	65.98	68.20	-2.22	56.20	8.47	34.44	33.13	200	25	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	58.94	74.00	-15.06	50.10	8.15	33.74	33.05	247	52	Peak	VERTICAL
2	5150.00	46.99	54.00	-7.01	38.15	8.15	33.74	33.05	247	52	Average	VERTICAL
3	5254.00	106.69			97.57	8.27	33.91	33.06	247	52	Peak	VERTICAL
4	5304.00	96.15			86.99	8.24	33.98	33.06	247	52	Average	VERTICAL
5	5352.00	65.37	74.00	-8.63	56.17	8.20	34.06	33.06	247	52	Peak	VERTICAL
6	5366.00	52.92	54.00	-1.08	43.71	8.19	34.08	33.06	247	52	Average	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5443.00	52.71	54.00	-1.29	43.25	8.32	34.20	33.06	204	54	Average	VERTICAL
2	5454.00	65.01	74.00	-8.99	55.48	8.36	34.23	33.06	204	54	Peak	VERTICAL
3	5467.00	65.49	68.20	-2.71	55.89	8.41	34.25	33.06	204	54	Peak	VERTICAL
4	5523.00	96.09			86.29	8.56	34.31	33.07	204	54	Average	VERTICAL
5	5524.00	105.48			95.68	8.56	34.31	33.07	204	54	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5451.00	64.36	74.00	-9.64	54.83	8.36	34.23	33.06	198	41	Peak	VERTICAL
2	5460.00	52.91	54.00	-1.09	43.38	8.36	34.23	33.06	198	41	Average	VERTICAL
3	5470.00	67.08	68.20	-1.12	57.48	8.41	34.25	33.06	198	41	Peak	VERTICAL
4	5622.00	113.26			103.23	8.76	34.37	33.10	198	41	Peak	VERTICAL
5	5622.00	103.48			93.45	8.76	34.37	33.10	198	41	Average	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.20	117.71			107.90	8.51	34.43	33.13	219	10	Peak	VERTICAL
2	5716.80	107.31			97.50	8.51	34.43	33.13	219	10	Average	VERTICAL
3	5892.80	62.84	68.20	-5.36	52.68	8.80	34.54	33.18	219	10	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.20	102.51			92.66	8.56	34.42	33.13	203	66	Average	HORIZONTAL
2	5722.00	113.49			103.68	8.51	34.43	33.13	203	66	Peak	HORIZONTAL
3	5865.20	62.66	68.20	-5.54	52.68	8.64	34.52	33.18	203	66	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.00	114.32			104.47	8.56	34.42	33.13	203	49	Peak	HORIZONTAL
2	5713.00	102.66			92.85	8.51	34.43	33.13	203	49	Average	HORIZONTAL
3	5888.00	62.60	68.20	-5.60	52.53	8.72	34.53	33.18	203	49	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5110.00	48.65	54.00	-5.35	40.06	7.97	33.67	33.05	200	360	Average	HORIZONTAL
2	5144.20	60.73	74.00	-13.27	51.89	8.15	33.74	33.05	200	360	Peak	HORIZONTAL
3	5258.20	117.17			108.05	8.27	33.91	33.06	200	360	Peak	HORIZONTAL
4	5263.60	106.84			97.70	8.26	33.94	33.06	200	360	Average	HORIZONTAL
5	5360.20	62.33	74.00	-11.67	53.12	8.19	34.08	33.06	200	360	Peak	HORIZONTAL
6	5361.40	50.44	54.00	-3.56	41.23	8.19	34.08	33.06	200	360	Average	HORIZONTAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5303.20	106.76			97.60	8.24	33.98	33.06	182	0	Average	VERTICAL
2	5306.40	118.14			108.98	8.24	33.98	33.06	182	0	Peak	VERTICAL
3	5355.60	50.48	54.00	-3.52	41.27	8.19	34.08	33.06	182	0	Average	VERTICAL
4	5362.80	62.71	74.00	-11.29	53.50	8.19	34.08	33.06	182	0	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5323.20	105.68			96.50	8.23	34.01	33.06	233	0	Average	VERTICAL
2	5323.60	117.53			108.34	8.22	34.03	33.06	233	0	Peak	VERTICAL
3	5352.00	50.88	54.00	-3.12	41.68	8.20	34.06	33.06	233	0	Average	VERTICAL
4	5361.20	63.77	74.00	-10.23	54.56	8.19	34.08	33.06	233	0	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.80	51.33	54.00	-2.67	41.80	8.36	34.23	33.06	221	353	Average	VERTICAL
2	5457.00	62.65	74.00	-11.35	53.12	8.36	34.23	33.06	221	353	Peak	VERTICAL
3	5469.40	63.77	68.20	-4.43	54.17	8.41	34.25	33.06	221	353	Peak	VERTICAL
4	5501.60	119.93			110.18	8.51	34.30	33.06	221	353	Peak	VERTICAL
5	5502.20	108.33			98.58	8.51	34.30	33.06	221	353	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5419.20	62.60	74.00	-11.40	53.21	8.27	34.18	33.06	245	353	Peak	VERTICAL
2	5451.20	50.51	54.00	-3.49	40.98	8.36	34.23	33.06	245	353	Average	VERTICAL
3	5462.00	62.36	68.20	-5.84	52.83	8.36	34.23	33.06	245	353	Peak	VERTICAL
4	5579.20	108.91			98.90	8.75	34.35	33.09	245	353	Average	VERTICAL
5	5580.00	117.71			107.70	8.75	34.35	33.09	245	353	Peak	VERTICAL
6	5725.20	62.53	68.20	-5.67	52.75	8.47	34.44	33.13	245	353	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5698.80	119.74			111.01	7.44	34.42	33.13	234	360	Peak	VERTICAL
2	5702.20	107.73			99.00	7.44	34.42	33.13	234	360	Average	VERTICAL
3	5725.00	64.50	68.20	-3.70	55.81	7.38	34.44	33.13	234	360	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5257.20	114.80			105.68	8.27	33.91	33.06	200	0	Peak	VERTICAL
2	5279.20	104.13			94.98	8.25	33.96	33.06	200	0	Average	VERTICAL
3	5358.00	50.39	54.00	-3.61	41.18	8.19	34.08	33.06	200	0	Average	VERTICAL
4	5358.80	61.61	74.00	-12.39	52.40	8.19	34.08	33.06	200	0	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5304.00	112.62			103.46	8.24	33.98	33.06	206	358	Peak	VERTICAL
2	5319.60	101.44			92.26	8.23	34.01	33.06	206	358	Average	VERTICAL
3	5350.00	70.16	74.00	-3.84	60.96	8.20	34.06	33.06	206	358	Peak	VERTICAL
4	5350.40	52.85	54.00	-1.15	43.65	8.20	34.06	33.06	206	358	Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.60	63.91	74.00	-10.09	54.38	8.36	34.23	33.06	229	10	Peak	VERTICAL
2	5460.00	52.67	54.00	-1.33	43.14	8.36	34.23	33.06	229	10	Average	VERTICAL
3	5469.60	67.12	68.20	-1.08	57.52	8.41	34.25	33.06	229	10	Peak	VERTICAL
4	5517.60	114.97			105.17	8.56	34.31	33.07	229	10	Peak	VERTICAL
5	5522.00	103.68			93.88	8.56	34.31	33.07	229	10	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.60	62.24	74.00	-11.76	52.71	8.36	34.23	33.06	234	359	Peak	VERTICAL
2	5460.00	50.42	54.00	-3.58	40.89	8.36	34.23	33.06	234	359	Average	VERTICAL
3	5468.80	62.21	68.20	-5.99	52.61	8.41	34.25	33.06	234	359	Peak	VERTICAL
4	5541.20	116.50			106.64	8.61	34.32	33.07	234	359	Peak	VERTICAL
5	5543.20	105.40			95.50	8.65	34.33	33.08	234	359	Average	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5677.20	103.12			93.23	8.60	34.41	33.12	218	354	Average	VERTICAL
2	5680.40	114.20			104.31	8.60	34.41	33.12	218	354	Peak	VERTICAL
3	5731.60	63.94	68.20	-4.26	54.17	8.47	34.44	33.14	218	354	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5080.00	48.23	54.00	-5.77	39.80	7.86	33.62	33.05	195	359	Average	VERTICAL
2	5102.00	60.62	74.00	-13.38	52.03	7.97	33.67	33.05	195	359	Peak	VERTICAL
3	5264.00	107.46			98.32	8.26	33.94	33.06	195	359	Peak	VERTICAL
4	5266.00	95.50			86.36	8.26	33.94	33.06	195	359	Average	VERTICAL
5	5360.00	67.17	74.00	-6.83	57.96	8.19	34.08	33.06	195	359	Peak	VERTICAL
6	5375.00	52.51	54.00	-1.49	43.28	8.18	34.11	33.06	195	359	Average	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5442.00	63.89	74.00	-10.11	54.43	8.32	34.20	33.06	233	5	Peak	VERTICAL
2	5443.00	52.83	54.00	-1.17	43.37	8.32	34.20	33.06	233	5	Average	VERTICAL
3	5462.00	65.77	68.20	-2.43	56.24	8.36	34.23	33.06	233	5	Peak	VERTICAL
4	5550.00	105.20			95.30	8.65	34.33	33.08	233	5	Peak	VERTICAL
5	5550.00	95.76			85.86	8.65	34.33	33.08	233	5	Average	VERTICAL
6	5768.00	61.55	68.20	-6.65	51.85	8.39	34.46	33.15	233	5	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.00	64.42	74.00	-9.58	54.89	8.36	34.23	33.06	245	352	Peak	VERTICAL
2	5460.00	52.35	54.00	-1.65	42.82	8.36	34.23	33.06	245	352	Average	VERTICAL
3	5470.00	65.59	68.20	-2.61	55.99	8.41	34.25	33.06	245	352	Peak	VERTICAL
4	5579.00	113.69			103.68	8.75	34.35	33.09	245	352	Peak	VERTICAL
5	5579.00	102.43			92.42	8.75	34.35	33.09	245	352	Average	VERTICAL
6	5734.00	63.78	68.20	-4.42	54.01	8.47	34.44	33.14	245	352	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5717.60	119.38			109.57	8.51	34.43	33.13	227	5	Peak	VERTICAL
2	5721.60	107.33			97.52	8.51	34.43	33.13	227	5	Average	VERTICAL
3	5891.20	62.46	68.20	-5.74	52.30	8.80	34.54	33.18	227	5	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.00	89.47			79.62	8.56	34.42	33.13	193	305	Average	HORIZONTAL
2	5705.00	100.17			90.32	8.56	34.42	33.13	193	305	Peak	HORIZONTAL
3	5891.00	62.58	68.20	-5.62	52.42	8.80	34.54	33.18	193	305	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5717.00	100.41			90.60	8.51	34.43	33.13	218	0	Average	VERTICAL
2	5724.00	111.94			102.16	8.47	34.44	33.13	218	0	Peak	VERTICAL
3	5899.00	62.69	68.20	-5.51	52.54	8.80	34.54	33.19	218	0	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.20	60.22	74.00	-13.78	51.38	8.15	33.74	33.05	225	24	Peak	VERTICAL
2	5150.00	48.38	54.00	-5.62	39.54	8.15	33.74	33.05	225	24	Average	VERTICAL
3	5264.20	107.53			98.39	8.26	33.94	33.06	225	24	Average	VERTICAL
4	5264.80	118.00			108.86	8.26	33.94	33.06	225	24	Peak	VERTICAL
5	5350.00	50.28	54.00	-3.72	41.08	8.20	34.06	33.06	225	24	Average	VERTICAL
6	5359.60	62.08	74.00	-11.92	52.87	8.19	34.08	33.06	225	24	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5298.40	117.23			108.07	8.24	33.98	33.06	225	24	Peak	HORIZONTAL
2	5301.60	106.84			97.68	8.24	33.98	33.06	225	24	Average	HORIZONTAL
3	5350.00	50.62	54.00	-3.38	41.42	8.20	34.06	33.06	225	24	Average	HORIZONTAL
4	5354.40	61.82	74.00	-12.18	52.61	8.19	34.08	33.06	225	24	Peak	HORIZONTAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5321.60	120.79			111.61	8.23	34.01	33.06	226	26	Peak	VERTICAL
2	5322.00	110.42			101.24	8.23	34.01	33.06	226	26	Average	VERTICAL
3	5350.00	52.05	54.00	-1.95	42.85	8.20	34.06	33.06	226	26	Average	VERTICAL
4	5353.20	63.47	74.00	-10.53	54.27	8.20	34.06	33.06	226	26	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.40	64.29	74.00	-9.71	54.76	8.36	34.23	33.06	226	6	Peak	VERTICAL
2	5460.00	51.08	54.00	-2.92	41.55	8.36	34.23	33.06	226	6	Average	VERTICAL
3	5469.80	65.74	68.20	-2.46	56.14	8.41	34.25	33.06	226	6	Peak	VERTICAL
4	5496.40	122.37			112.62	8.51	34.30	33.06	226	6	Peak	VERTICAL
5	5497.60	110.33			100.58	8.51	34.30	33.06	226	6	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5450.40	62.31	74.00	-11.69	52.78	8.36	34.23	33.06	226	9	Peak	HORIZONTAL
2	5460.00	50.51	54.00	-3.49	40.98	8.36	34.23	33.06	226	9	Average	HORIZONTAL
3	5466.00	61.06	68.20	-7.14	51.46	8.41	34.25	33.06	226	9	Peak	HORIZONTAL
4	5581.60	119.99			109.98	8.75	34.35	33.09	226	9	Peak	HORIZONTAL
5	5581.60	109.41			99.40	8.75	34.35	33.09	226	9	Average	HORIZONTAL
6	5725.20	59.89	68.20	-8.31	50.11	8.47	34.44	33.13	226	9	Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5703.40	108.89			99.04	8.56	34.42	33.13	219	8	Average	VERTICAL
2	5703.80	120.68			110.83	8.56	34.42	33.13	219	8	Peak	VERTICAL
3	5725.40	67.11	68.20	-1.09	57.33	8.47	34.44	33.13	219	8	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5264.40	116.01			106.87	8.26	33.94	33.06	225	8	Peak	HORIZONTAL
2	5265.60	107.07			97.93	8.26	33.94	33.06	225	8	Average	HORIZONTAL
3	5350.00	50.78	54.00	-3.22	41.58	8.20	34.06	33.06	225	8	Average	HORIZONTAL
4	5353.20	62.16	74.00	-11.84	52.96	8.20	34.06	33.06	225	8	Peak	HORIZONTAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5314.40	98.93			89.75	8.23	34.01	33.06	228	28	Average	VERTICAL
2	5316.40	110.62			101.44	8.23	34.01	33.06	228	28	Peak	VERTICAL
3	5350.00	52.73	54.00	-1.27	43.53	8.20	34.06	33.06	228	28	Average	VERTICAL
4	5354.00	64.25	74.00	-9.75	55.05	8.20	34.06	33.06	228	28	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.60	63.26	74.00	-10.74	53.73	8.36	34.23	33.06	247	350	Peak	HORIZONTAL
2	5460.00	50.68	54.00	-3.32	41.15	8.36	34.23	33.06	247	350	Average	HORIZONTAL
3	5469.60	66.83	68.20	-1.37	57.23	8.41	34.25	33.06	247	350	Peak	HORIZONTAL
4	5503.60	110.99			101.24	8.51	34.30	33.06	247	350	Peak	HORIZONTAL
5	5520.40	99.41			89.61	8.56	34.31	33.07	247	350	Average	HORIZONTAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.60	50.28	54.00	-3.72	40.75	8.36	34.23	33.06	227	2	Average	HORIZONTAL
2	5459.60	61.57	74.00	-12.43	52.04	8.36	34.23	33.06	227	2	Peak	HORIZONTAL
3	5466.00	64.63	68.20	-3.57	55.03	8.41	34.25	33.06	227	2	Peak	HORIZONTAL
4	5538.00	107.88			98.02	8.61	34.32	33.07	227	2	Average	HORIZONTAL
5	5538.40	116.93			107.07	8.61	34.32	33.07	227	2	Peak	HORIZONTAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5682.80	116.59			106.70	8.60	34.41	33.12	251	3	Peak	HORIZONTAL
2	5683.20	105.19			95.30	8.60	34.41	33.12	251	3	Average	HORIZONTAL
3	5731.60	67.10	68.20	-1.10	57.33	8.47	34.44	33.14	251	3	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5065.00	59.71	74.00	-14.29	51.36	7.80	33.60	33.05	268	348	Peak	HORIZONTAL
2	5120.00	47.91	54.00	-6.09	39.24	8.03	33.69	33.05	268	348	Average	HORIZONTAL
3	5314.00	98.03			88.85	8.23	34.01	33.06	268	348	Average	HORIZONTAL
4	5321.00	108.57			99.39	8.23	34.01	33.06	268	348	Peak	HORIZONTAL
5	5351.00	68.86	74.00	-5.14	59.66	8.20	34.06	33.06	268	348	Peak	HORIZONTAL
6	5378.00	52.83	54.00	-1.17	43.60	8.18	34.11	33.06	268	348	Average	HORIZONTAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.00	52.93	54.00	-1.07	43.40	8.36	34.23	33.06	204	339	Average	VERTICAL
2	5459.00	63.65	74.00	-10.35	54.12	8.36	34.23	33.06	204	339	Peak	VERTICAL
3	5470.00	62.85	68.20	-5.35	53.25	8.41	34.25	33.06	204	339	Peak	VERTICAL
4	5559.00	105.51			95.61	8.65	34.33	33.08	204	339	Peak	VERTICAL
5	5559.00	94.31			84.41	8.65	34.33	33.08	204	339	Average	VERTICAL
6	5758.00	61.54	68.20	-6.66	51.83	8.39	34.46	33.14	204	339	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5425.00	61.53	74.00	-12.47	52.14	8.27	34.18	33.06	224	0	Peak	VERTICAL
2	5458.00	50.82	54.00	-3.18	41.29	8.36	34.23	33.06	224	0	Average	VERTICAL
3	5464.00	66.53	68.20	-1.67	56.93	8.41	34.25	33.06	224	0	Peak	VERTICAL
4	5587.00	105.07			95.06	8.75	34.35	33.09	224	0	Average	VERTICAL
5	5590.00	116.16			106.15	8.75	34.35	33.09	224	0	Peak	VERTICAL
6	5818.00	63.52	68.20	-4.68	53.80	8.39	34.49	33.16	224	0	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.80	118.98			109.17	8.51	34.43	33.13	226	27	Peak	VERTICAL
2	5719.20	108.70			98.89	8.51	34.43	33.13	226	27	Average	VERTICAL
3	5858.80	63.35	68.20	-4.85	53.36	8.64	34.52	33.17	226	27	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5703.00	105.54			95.69	8.56	34.42	33.13	231	343	Average	VERTICAL
2	5725.00	116.09			106.31	8.47	34.44	33.13	231	343	Peak	VERTICAL
3	5901.00	62.38	68.20	-5.82	52.23	8.80	34.54	33.19	231	343	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.00	105.28			95.47	8.51	34.43	33.13	203	0	Average	VERTICAL
2	5716.00	115.33			105.52	8.51	34.43	33.13	203	0	Peak	VERTICAL
3	5850.00	65.66	68.20	-2.54	55.76	8.56	34.51	33.17	203	0	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5261.80	112.36			103.24	8.27	33.91	33.06	217	359	Average	VERTICAL
2	5263.00	124.71			115.57	8.26	33.94	33.06	217	359	Peak	VERTICAL
3	5352.40	50.93	54.00	-3.07	41.73	8.20	34.06	33.06	217	359	Average	VERTICAL
4	5357.20	63.53	74.00	-10.47	54.32	8.19	34.08	33.06	217	359	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.40	123.12			113.96	8.24	33.98	33.06	218	2	Peak	HORIZONTAL
2	5303.60	112.83			103.67	8.24	33.98	33.06	218	2	Average	HORIZONTAL
3	5350.00	63.11	74.00	-10.89	53.91	8.20	34.06	33.06	218	2	Peak	HORIZONTAL
4	5352.00	51.97	54.00	-2.03	42.77	8.20	34.06	33.06	218	2	Average	HORIZONTAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5316.80	111.77			102.59	8.23	34.01	33.06	208	2	Average	HORIZONTAL
2	5324.00	121.70			112.51	8.22	34.03	33.06	208	2	Peak	HORIZONTAL
3	5351.60	52.85	54.00	-1.15	43.65	8.20	34.06	33.06	208	2	Average	HORIZONTAL
4	5354.00	64.54	74.00	-9.46	55.34	8.20	34.06	33.06	208	2	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.40	64.45	74.00	-9.55	54.92	8.36	34.23	33.06	200	1	Peak	HORIZONTAL
2	5460.00	51.45	54.00	-2.55	41.92	8.36	34.23	33.06	200	1	Average	HORIZONTAL
3	5465.20	64.11	74.00	-9.89	54.51	8.41	34.25	33.06	200	1	Peak	HORIZONTAL
4	5470.00	52.98	54.00	-1.02	43.38	8.41	34.25	33.06	200	1	Average	HORIZONTAL
5	5494.80	124.02			114.34	8.46	34.28	33.06	200	1	Peak	HORIZONTAL
6	5496.00	112.24			102.49	8.51	34.30	33.06	200	1	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5429.60	62.95	74.00	-11.05	53.56	8.27	34.18	33.06	218	5	Peak	HORIZONTAL
2	5440.00	50.93	54.00	-3.07	41.47	8.32	34.20	33.06	218	5	Average	HORIZONTAL
3	5470.00	62.81	68.20	-5.39	53.21	8.41	34.25	33.06	218	5	Peak	HORIZONTAL
4	5582.40	125.45			115.44	8.75	34.35	33.09	218	5	Peak	HORIZONTAL
5	5583.20	114.42			104.41	8.75	34.35	33.09	218	5	Average	HORIZONTAL
6	5763.20	61.92	68.20	-6.28	52.21	8.39	34.46	33.14	218	5	Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.00	122.11			112.26	8.56	34.42	33.13	209	359	Peak	HORIZONTAL
2	5695.40	110.71			100.86	8.56	34.42	33.13	209	359	Average	HORIZONTAL
3	5725.00	67.06	68.20	-1.14	57.28	8.47	34.44	33.13	209	359	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5267.60	120.31			111.17	8.26	33.94	33.06	175	348	Peak	HORIZONTAL
2	5274.00	110.17			101.03	8.26	33.94	33.06	175	348	Average	HORIZONTAL
3	5350.00	63.13	74.00	-10.87	53.93	8.20	34.06	33.06	175	348	Peak	HORIZONTAL
4	5350.00	51.30	54.00	-2.70	42.10	8.20	34.06	33.06	175	348	Average	HORIZONTAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.60	103.32			94.14	8.23	34.01	33.06	175	353	Average	VERTICAL
2	5316.40	114.16			104.98	8.23	34.01	33.06	175	353	Peak	VERTICAL
3	5350.40	65.20	74.00	-8.80	56.00	8.20	34.06	33.06	175	353	Peak	VERTICAL
4	5350.40	52.74	54.00	-1.26	43.54	8.20	34.06	33.06	175	353	Average	VERTICAL

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