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. 18, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15869.02	47.54	54.00	-6.46	31.31	13.81	37.79	35.37	Average	150	59	HORIZONTAL
2	15870.64	58.70	74.00	-15.30	42.47	13.81	37.79	35.37	Peak	150	59	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15870.46	47.39	54.00	-6.61	31.16	13.81	37.79	35.37	Average	150	198	VERTICAL
2	15871.79	58.23	74.00	-15.77	42.00	13.81	37.79	35.37	Peak	150	198	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. 18, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11057.55	41.76	54.00	-12.24	27.98	10.03	38.54	34.79	Average	150	53	HORIZONTAL
2	11061.82	54.31	74.00	-19.69	40.47	10.05	38.58	34.79	Peak	150	53	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11059.82	53.93	74.00	-20.07	40.15	10.03	38.54	34.79	Peak	150	172	VERTICAL
2	11061.38	42.74	54.00	-11.26	28.90	10.05	38.58	34.79	Average	150	172	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. 18, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11218.77	43.92	54.00	-10.08	29.86	10.11	38.74	34.79	Average	150	51	HORIZONTAL
2	11221.57	54.65	74.00	-19.35	40.53	10.13	38.78	34.79	Peak	150	51	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11218.99	55.19	74.00	-18.81	41.13	10.11	38.74	34.79	Peak	150	180	VERTICAL
2	11220.51	43.87	54.00	-10.13	29.81	10.11	38.74	34.79	Average	150	180	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 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 18, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.00	42.53	54.00	-11.47	28.09	10.22	39.02	34.80	Average	150	181	HORIZONTAL
2	11440.00	54.75	74.00	-19.25	40.31	10.22	39.02	34.80	Peak	150	181	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.00	42.57	54.00	-11.43	28.13	10.22	39.02	34.80	Average	150	162	VERTICAL
2	11440.00	53.14	74.00	-20.86	38.70	10.22	39.02	34.80	Peak	150	162	VERTICAL

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. 18, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.00	42.15	54.00	-11.85	27.71	10.22	39.02	34.80	Average	150	95	HORIZONTAL
2	11440.00	53.40	74.00	-20.60	38.96	10.22	39.02	34.80	Peak	150	95	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.00	42.32	54.00	-11.68	27.88	10.22	39.02	34.80	Average	150	163	VERTICAL
2	11440.00	55.39	74.00	-18.61	40.95	10.22	39.02	34.80	Peak	150	163	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. 18, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11410.00	49.91	74.00	-24.09	35.52	10.21	38.98	34.80	Peak	150	131	HORIZONTAL
2	11423.01	43.42	54.00	-10.58	28.98	10.22	39.02	34.80	Average	150	131	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11410.00	42.69	54.00	-11.31	28.30	10.21	38.98	34.80	Average	150	89	VERTICAL
2	11410.00	49.02	74.00	-24.98	34.63	10.21	38.98	34.80	Peak	150	89	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	Nov. 18, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11377.71	42.69	54.00	-11.31	28.36	10.19	38.94	34.80	Average	150	94	HORIZONTAL
2	11380.90	55.39	74.00	-18.61	41.06	10.19	38.94	34.80	Peak	150	94	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11377.68	54.75	74.00	-19.25	40.42	10.19	38.94	34.80	Peak	150	194	VERTICAL
2	11379.38	42.83	54.00	-11.17	28.50	10.19	38.94	34.80	Average	150	194	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 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 13, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15778.12	58.25	74.00	-15.75	41.84	13.82	37.91	35.32	Peak	150	16	HORIZONTAL
2	15781.66	45.88	54.00	-8.12	29.49	13.82	37.89	35.32	Average	150	16	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15778.18	46.69	54.00	-7.31	30.28	13.82	37.91	35.32	Average	150	23	VERTICAL
2	15778.35	57.83	74.00	-16.17	41.42	13.82	37.91	35.32	Peak	150	23	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 13, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.17	41.75	54.00	-12.25	28.32	9.81	38.58	34.96	Average	150	358	HORIZONTAL
2	10603.68	54.01	74.00	-19.99	40.56	9.82	38.58	34.95	Peak	150	358	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10595.54	41.79	54.00	-12.21	28.36	9.81	38.58	34.96	Average	150	359	VERTICAL
2	10601.50	48.20	74.00	-25.80	34.76	9.81	38.58	34.95	Peak	150	359	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 13, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10637.95	42.04	54.00	-11.96	28.59	9.82	38.57	34.94	Average	150	355	HORIZONTAL
2	10638.78	54.38	74.00	-19.62	40.91	9.84	38.57	34.94	Peak	150	355	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10631.58	54.24	74.00	-19.76	40.79	9.82	38.57	34.94	Peak	150	6	VERTICAL
2	10644.17	41.88	54.00	-12.12	28.41	9.84	38.57	34.94	Average	150	6	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 13, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11003.59	53.79	74.00	-20.21	40.06	10.02	38.50	34.79	Peak	150	358	HORIZONTAL
2	11008.31	42.13	54.00	-11.87	28.38	10.02	38.52	34.79	Average	150	358	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10992.21	42.40	54.00	-11.60	28.69	10.00	38.50	34.79	Average	150	12	VERTICAL
2	11008.48	53.67	74.00	-20.33	39.92	10.02	38.52	34.79	Peak	150	12	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 13, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11150.85	41.09	54.00	-12.91	27.11	10.09	38.68	34.79	Average	150	352	HORIZONTAL
2	11162.17	54.05	74.00	-19.95	40.05	10.09	38.70	34.79	Peak	150	352	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11153.37	42.52	54.00	-11.48	28.54	10.09	38.68	34.79	Average	150	14	VERTICAL
2	11169.15	54.71	74.00	-19.29	40.71	10.09	38.70	34.79	Peak	150	14	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 13, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11397.57	42.63	54.00	-11.37	28.23	10.22	38.98	34.80	Average	150	359	HORIZONTAL
2	11403.44	54.15	74.00	-19.85	39.75	10.22	38.98	34.80	Peak	150	359	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11402.00	54.99	74.00	-19.01	40.59	10.22	38.98	34.80	Peak	150	17	VERTICAL
2	11403.85	43.34	54.00	-10.66	28.94	10.22	38.98	34.80	Average	150	17	VERTICAL

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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15780.96	46.56	54.00	-7.44	30.15	13.82	37.91	35.32	Average	150	226	HORIZONTAL
2	15781.02	61.02	74.00	-12.98	44.61	13.82	37.91	35.32	Peak	150	226	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15778.70	46.61	54.00	-7.39	30.20	13.82	37.91	35.32	Average	150	235	VERTICAL
2	15779.23	60.34	74.00	-13.66	43.93	13.82	37.91	35.32	Peak	150	235	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10598.70	56.21	74.00	-17.79	42.78	9.81	38.58	34.96	Peak	150	187	HORIZONTAL
2	10600.10	41.65	54.00	-12.35	28.22	9.81	38.58	34.96	Average	150	187	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.29	41.67	54.00	-12.33	28.24	9.81	38.58	34.96	Average	150	198	VERTICAL
2	10601.27	55.34	74.00	-18.66	41.90	9.81	38.58	34.95	Peak	150	198	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10637.67	41.09	54.00	-12.91	27.64	9.82	38.57	34.94	Average	150	142	HORIZONTAL
2	10638.03	55.65	74.00	-18.35	42.20	9.82	38.57	34.94	Peak	150	142	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.20	55.17	74.00	-18.83	41.70	9.84	38.57	34.94	Peak	150	172	VERTICAL
2	10640.20	41.15	54.00	-12.85	27.68	9.84	38.57	34.94	Average	150	172	VERTICAL

Temperature	25℃	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11000.00	55.36	74.00	-18.64	41.63	10.02	38.50	34.79	Peak	150	104	HORIZONTAL
2	11000.00	40.80	54.00	-13.20	27.07	10.02	38.50	34.79	Average	150	104	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11000.00	40.73	54.00	-13.27	27.00	10.02	38.50	34.79	Average	150	119	VERTICAL
2	11000.00	55.04	74.00	-18.96	41.31	10.02	38.50	34.79	Peak	150	119	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11160.00	40.66	54.00	-13.34	26.66	10.09	38.70	34.79	Average	150	118	HORIZONTAL
2	11160.00	54.62	74.00	-19.38	40.62	10.09	38.70	34.79	Peak	150	118	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11160.00	40.52	54.00	-13.48	26.52	10.09	38.70	34.79	Average	150	93	VERTICAL
2	11160.00	54.37	74.00	-19.63	40.37	10.09	38.70	34.79	Peak	150	93	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11400.00	55.99	74.00	-18.01	41.59	10.22	38.98	34.80	Peak	150	151	HORIZONTAL
2	11400.00	41.57	54.00	-12.43	27.17	10.22	38.98	34.80	Average	150	151	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11400.00	55.60	74.00	-18.40	41.20	10.22	38.98	34.80	Peak	150	140	VERTICAL
2	11400.00	41.52	54.00	-12.48	27.12	10.22	38.98	34.80	Average	150	140	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15809.54	61.29	74.00	-12.71	44.93	13.82	37.87	35.33	Peak	150	291	HORIZONTAL
2	15809.76	47.91	54.00	-6.09	31.55	13.82	37.87	35.33	Average	150	291	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15809.70	61.18	74.00	-12.82	44.82	13.82	37.87	35.33	Peak	150	166	VERTICAL
2	15810.32	47.83	54.00	-6.17	31.47	13.82	37.87	35.33	Average	150	166	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10619.64	54.91	74.00	-19.09	41.46	9.82	38.58	34.95	Peak	150	323	HORIZONTAL
2	10620.44	41.93	54.00	-12.07	28.48	9.82	38.58	34.95	Average	150	323	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10619.59	42.09	54.00	-11.91	28.64	9.82	38.58	34.95	Average	150	233	VERTICAL
2	10620.15	55.63	74.00	-18.37	42.18	9.82	38.58	34.95	Peak	150	233	VERTICAL

Temperature	25℃	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11019.93	54.93	74.00	-19.07	41.18	10.02	38.52	34.79	Peak	150	333	HORIZONTAL
2	11019.97	41.42	54.00	-12.58	27.67	10.02	38.52	34.79	Average	150	333	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11019.56	54.29	74.00	-19.71	40.54	10.02	38.52	34.79	Peak	150	206	VERTICAL
2	11019.59	41.60	54.00	-12.40	27.85	10.02	38.52	34.79	Average	150	206	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11100.02	54.66	74.00	-19.34	40.77	10.06	38.62	34.79	Peak	150	68	HORIZONTAL
2	11100.03	41.46	54.00	-12.54	27.57	10.06	38.62	34.79	Average	150	68	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11099.55	41.99	54.00	-12.01	28.10	10.06	38.62	34.79	Average	150	189	VERTICAL
2	11100.49	54.69	74.00	-19.31	40.80	10.06	38.62	34.79	Peak	150	189	VERTICAL

Temperature	25℃	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11340.29	54.87	74.00	-19.13	40.59	10.18	38.90	34.80	Peak	150	278	HORIZONTAL
2	11340.47	42.32	54.00	-11.68	28.04	10.18	38.90	34.80	Average	150	278	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11340.06	55.73	74.00	-18.27	41.45	10.18	38.90	34.80	Peak	150	164	VERTICAL
2	11340.42	42.63	54.00	-11.37	28.35	10.18	38.90	34.80	Average	150	164	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15869.83	47.98	54.00	-6.02	31.75	13.81	37.77	35.35	Average	150	103	HORIZONTAL
2	15870.24	60.91	74.00	-13.09	44.68	13.81	37.77	35.35	Peak	150	103	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15869.53	60.67	74.00	-13.33	44.44	13.81	37.77	35.35	Peak	150	218	VERTICAL
2	15869.86	48.16	54.00	-5.84	31.93	13.81	37.77	35.35	Average	150	218	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11060.32	41.52	54.00	-12.48	27.69	10.04	38.58	34.79	Average	150	159	HORIZONTAL
2	11060.34	54.59	74.00	-19.41	40.76	10.04	38.58	34.79	Peak	150	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11060.22	55.01	74.00	-18.99	41.18	10.04	38.58	34.79	Peak	150	302	VERTICAL
2	11060.30	41.84	54.00	-12.16	28.01	10.04	38.58	34.79	Average	150	302	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11219.85	42.04	54.00	-11.96	27.94	10.13	38.76	34.79	Average	150	239	HORIZONTAL
2	11220.09	54.95	74.00	-19.05	40.85	10.13	38.76	34.79	Peak	150	239	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11219.65	55.73	74.00	-18.27	41.63	10.13	38.76	34.79	Peak	150	186	VERTICAL
2	11219.98	42.60	54.00	-11.40	28.50	10.13	38.76	34.79	Average	150	186	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 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11433.08	42.45	54.00	-11.55	28.01	10.22	39.02	34.80	Average	150	354	HORIZONTAL
2	11440.12	54.34	74.00	-19.66	39.88	10.24	39.02	34.80	Peak	150	354	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11438.73	43.18	54.00	-10.82	28.72	10.24	39.02	34.80	Average	150	2	VERTICAL
2	11447.58	55.59	74.00	-18.41	41.11	10.24	39.04	34.80	Peak	150	2	VERTICAL

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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.00	56.63	74.00	-17.37	42.17	10.24	39.02	34.80	Peak	150	186	HORIZONTAL
2	11440.00	42.02	54.00	-11.98	27.56	10.24	39.02	34.80	Average	150	186	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.00	41.98	54.00	-12.02	27.52	10.24	39.02	34.80	Average	150	168	VERTICAL
2	11440.00	56.16	74.00	-17.84	41.70	10.24	39.02	34.80	Peak	150	168	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. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11420.01	43.93	54.00	-10.07	29.51	10.22	39.00	34.80	Average	150	346	HORIZONTAL
2	11420.08	57.11	74.00	-16.89	42.69	10.22	39.00	34.80	Peak	150	346	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11420.18	43.02	54.00	-10.98	28.60	10.22	39.00	34.80	Average	150	339	VERTICAL
2	11420.21	55.12	74.00	-18.88	40.70	10.22	39.00	34.80	Peak	150	339	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	Nov. 14, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11380.12	55.48	74.00	-18.52	41.12	10.20	38.96	34.80	Peak	150	243	HORIZONTAL
2	11380.21	43.27	54.00	-10.73	28.91	10.20	38.96	34.80	Average	150	243	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11380.01	55.96	74.00	-18.04	41.60	10.20	38.96	34.80	Peak	150	119	VERTICAL
2	11380.43	42.61	54.00	-11.39	28.25	10.20	38.96	34.80	Average	150	119	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 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15779.16	46.15	54.00	-7.85	29.73	13.82	37.92	35.32	Average	150	171	HORIZONTAL
2	15780.11	60.01	74.00	-13.99	43.59	13.82	37.92	35.32	Peak	150	171	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15779.69	60.39	74.00	-13.61	43.97	13.82	37.92	35.32	Peak	150	148	VERTICAL
2	15779.81	46.26	54.00	-7.74	29.84	13.82	37.92	35.32	Average	150	148	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.19	55.71	74.00	-18.29	42.28	9.81	38.58	34.96	Peak	150	218	HORIZONTAL
2	10600.67	42.38	54.00	-11.62	28.95	9.81	38.58	34.96	Average	150	218	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.45	42.47	54.00	-11.53	29.04	9.81	38.58	34.96	Average	150	195	VERTICAL
2	10600.73	56.41	74.00	-17.59	42.98	9.81	38.58	34.96	Peak	150	195	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.40	41.98	54.00	-12.02	28.51	9.83	38.57	34.93	Average	150	260	HORIZONTAL
2	10640.95	55.10	74.00	-18.90	41.63	9.83	38.57	34.93	Peak	150	260	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.82	55.42	74.00	-18.58	41.95	9.83	38.57	34.93	Peak	150	235	VERTICAL
2	10640.62	41.99	54.00	-12.01	28.52	9.83	38.57	34.93	Average	150	235	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11000.68	42.37	54.00	-11.63	28.64	10.02	38.50	34.79	Average	150	310	HORIZONTAL
2	11000.72	55.64	74.00	-18.36	41.91	10.02	38.50	34.79	Peak	150	310	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10999.31	42.40	54.00	-11.60	28.67	10.02	38.50	34.79	Average	150	284	VERTICAL
2	10999.60	56.15	74.00	-17.85	42.42	10.02	38.50	34.79	Peak	150	284	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.62	42.39	54.00	-11.61	28.38	10.10	38.70	34.79	Average	150	342	HORIZONTAL
2	11160.51	55.93	74.00	-18.07	41.92	10.10	38.70	34.79	Peak	150	342	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.67	55.72	74.00	-18.28	41.71	10.10	38.70	34.79	Peak	150	324	VERTICAL
2	11159.92	42.42	54.00	-11.58	28.41	10.10	38.70	34.79	Average	150	324	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11400.17	43.02	54.00	-10.98	28.63	10.21	38.98	34.80	Average	150	303	HORIZONTAL
2	11400.82	56.55	74.00	-17.45	42.16	10.21	38.98	34.80	Peak	150	303	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.97	56.40	74.00	-17.60	42.01	10.21	38.98	34.80	Peak	150	316	VERTICAL
2	11400.10	42.96	54.00	-11.04	28.57	10.21	38.98	34.80	Average	150	316	VERTICAL

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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15779.79	59.90	74.00	-14.10	43.48	13.82	37.92	35.32	Peak	150	115	HORIZONTAL
2	15780.31	46.23	54.00	-7.77	29.81	13.82	37.92	35.32	Average	150	115	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15779.11	59.40	74.00	-14.60	42.98	13.82	37.92	35.32	Peak	150	99	VERTICAL
2	15780.45	46.25	54.00	-7.75	29.83	13.82	37.92	35.32	Average	150	99	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10599.81	55.54	74.00	-18.46	42.11	9.81	38.58	34.96	Peak	150	158	HORIZONTAL
2	10600.34	42.28	54.00	-11.72	28.85	9.81	38.58	34.96	Average	150	158	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.49	55.51	74.00	-18.49	42.08	9.81	38.58	34.96	Peak	150	137	VERTICAL
2	10600.77	42.15	54.00	-11.85	28.72	9.81	38.58	34.96	Average	150	137	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10640.07	41.90	54.00	-12.10	28.43	9.83	38.57	34.93	Average	150	198	HORIZONTAL
2	10640.75	55.41	74.00	-18.59	41.94	9.83	38.57	34.93	Peak	150	198	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10640.72	41.99	54.00	-12.01	28.52	9.83	38.57	34.93	Average	150	178	VERTICAL
2	10640.74	55.17	74.00	-18.83	41.70	9.83	38.57	34.93	Peak	150	178	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10999.30	55.98	74.00	-18.02	42.25	10.02	38.50	34.79	Peak	150	239	HORIZONTAL
2	10999.32	42.37	54.00	-11.63	28.64	10.02	38.50	34.79	Average	150	239	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10999.63	42.43	54.00	-11.57	28.70	10.02	38.50	34.79	Average	150	219	VERTICAL
2	11000.41	55.69	74.00	-18.31	41.96	10.02	38.50	34.79	Peak	150	219	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11160.88	42.41	54.00	-11.59	28.40	10.10	38.70	34.79	Average	150	293	HORIZONTAL
2	11161.00	55.19	74.00	-18.81	41.18	10.10	38.70	34.79	Peak	150	293	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.05	55.72	74.00	-18.28	41.71	10.10	38.70	34.79	Peak	150	267	VERTICAL
2	11159.62	42.47	54.00	-11.53	28.46	10.10	38.70	34.79	Average	150	267	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.83	56.28	74.00	-17.72	41.89	10.21	38.98	34.80	Peak	150	346	HORIZONTAL
2	11400.13	42.99	54.00	-11.01	28.60	10.21	38.98	34.80	Average	150	346	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.23	42.96	54.00	-11.04	28.57	10.21	38.98	34.80	Average	150	319	VERTICAL
2	11399.69	56.33	74.00	-17.67	41.94	10.21	38.98	34.80	Peak	150	319	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15809.18	59.60	74.00	-14.40	43.26	13.81	37.85	35.32	Peak	150	12	HORIZONTAL
2	15810.91	46.72	54.00	-7.28	30.38	13.81	37.85	35.32	Average	150	12	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15809.47	46.45	54.00	-7.55	30.11	13.81	37.85	35.32	Average	150	40	VERTICAL
2	15809.70	60.13	74.00	-13.87	43.79	13.81	37.85	35.32	Peak	150	40	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10619.22	55.52	74.00	-18.48	42.08	9.81	38.58	34.95	Peak	150	61	HORIZONTAL
2	10619.92	42.70	54.00	-11.30	29.26	9.81	38.58	34.95	Average	150	61	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10620.08	55.50	74.00	-18.50	42.06	9.81	38.58	34.95	Peak	150	32	VERTICAL
2	10620.38	42.39	54.00	-11.61	28.95	9.81	38.58	34.95	Average	150	32	VERTICAL

Temperature	25℃	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11020.05	55.74	74.00	-18.26	42.01	10.02	38.50	34.79	Peak	150	108	HORIZONTAL
2	11020.75	42.33	54.00	-11.67	28.60	10.02	38.50	34.79	Average	150	108	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11020.02	42.29	54.00	-11.71	28.56	10.02	38.50	34.79	Average	150	88	VERTICAL
2	11020.88	56.27	74.00	-17.73	42.54	10.02	38.50	34.79	Peak	150	88	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11100.02	42.45	54.00	-11.55	28.55	10.07	38.62	34.79	Average	150	152	HORIZONTAL
2	11100.04	55.87	74.00	-18.13	41.97	10.07	38.62	34.79	Peak	150	152	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11099.41	55.20	74.00	-18.80	41.30	10.07	38.62	34.79	Peak	150	132	VERTICAL
2	11100.46	42.47	54.00	-11.53	28.57	10.07	38.62	34.79	Average	150	132	VERTICAL

Temperature	25℃	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11340.47	56.40	74.00	-17.60	42.12	10.18	38.90	34.80	Peak	150	215	HORIZONTAL
2	11340.78	43.05	54.00	-10.95	28.77	10.18	38.90	34.80	Average	150	215	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11340.40	43.14	54.00	-10.86	28.86	10.18	38.90	34.80	Average	150	191	VERTICAL
2	11340.93	56.65	74.00	-17.35	42.37	10.18	38.90	34.80	Peak	150	191	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15870.09	58.39	74.00	-15.61	42.16	13.81	37.79	35.37	Peak	150	280	HORIZONTAL
2	15870.48	45.79	54.00	-8.21	29.56	13.81	37.79	35.37	Average	150	280	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15869.84	58.96	74.00	-15.04	42.73	13.81	37.79	35.37	Peak	150	305	VERTICAL
2	15870.41	45.68	54.00	-8.32	29.45	13.81	37.79	35.37	Average	150	305	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11059.07	42.05	54.00	-11.95	28.27	10.03	38.54	34.79	Average	150	242	HORIZONTAL
2	11060.63	55.40	74.00	-18.60	41.56	10.05	38.58	34.79	Peak	150	242	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11059.02	55.50	74.00	-18.50	41.72	10.03	38.54	34.79	Peak	150	255	VERTICAL
2	11059.30	42.14	54.00	-11.86	28.36	10.03	38.54	34.79	Average	150	255	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11220.69	55.39	74.00	-18.61	41.33	10.11	38.74	34.79	Peak	150	200	HORIZONTAL
2	11221.00	42.15	54.00	-11.85	28.09	10.11	38.74	34.79	Average	150	200	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11220.51	42.09	54.00	-11.91	28.03	10.11	38.74	34.79	Average	150	222	VERTICAL
2	11220.89	55.34	74.00	-18.66	41.28	10.11	38.74	34.79	Peak	150	222	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 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.39	43.30	54.00	-10.70	28.86	10.22	39.02	34.80	Average	150	260	HORIZONTAL
2	11440.82	56.93	74.00	-17.07	42.49	10.22	39.02	34.80	Peak	150	260	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.46	57.08	74.00	-16.92	42.64	10.22	39.02	34.80	Peak	150	282	VERTICAL
2	11440.55	43.27	54.00	-10.73	28.83	10.22	39.02	34.80	Average	150	282	VERTICAL

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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.23	56.65	74.00	-17.35	42.21	10.22	39.02	34.80	Peak	150	292	HORIZONTAL
2	11440.46	43.37	54.00	-10.63	28.93	10.22	39.02	34.80	Average	150	292	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.30	43.15	54.00	-10.85	28.71	10.22	39.02	34.80	Average	150	323	VERTICAL
2	11440.86	56.89	74.00	-17.11	42.45	10.22	39.02	34.80	Peak	150	323	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.28	43.56	54.00	-10.44	29.12	10.22	39.02	34.80	Average	150	257	HORIZONTAL
2	11439.47	56.38	74.00	-17.62	41.94	10.22	39.02	34.80	Peak	150	257	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.40	43.70	54.00	-10.30	29.26	10.22	39.02	34.80	Average	150	232	VERTICAL
2	11440.73	57.45	74.00	-16.55	43.01	10.22	39.02	34.80	Peak	150	232	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	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11379.62	56.50	74.00	-17.50	42.17	10.19	38.94	34.80	Peak	150	151	HORIZONTAL
2	11379.76	42.96	54.00	-11.04	28.63	10.19	38.94	34.80	Average	150	151	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11379.70	56.17	74.00	-17.83	41.84	10.19	38.94	34.80	Peak	150	177	VERTICAL
2	11379.79	42.84	54.00	-11.16	28.51	10.19	38.94	34.80	Average	150	177	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 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15779.34	46.79	54.00	-7.21	30.37	13.82	37.92	35.32	Average	150	196	HORIZONTAL
2	15780.52	60.49	74.00	-13.51	44.07	13.82	37.92	35.32	Peak	150	196	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15780.36	60.09	74.00	-13.91	43.67	13.82	37.92	35.32	Peak	150	222	VERTICAL
2	15780.58	46.71	54.00	-7.29	30.29	13.82	37.92	35.32	Average	150	222	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10599.21	42.62	54.00	-11.38	29.19	9.81	38.58	34.96	Average	150	157	HORIZONTAL
2	10599.77	56.00	74.00	-18.00	42.57	9.81	38.58	34.96	Peak	150	157	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.26	55.71	74.00	-18.29	42.28	9.81	38.58	34.96	Peak	150	181	VERTICAL
2	10600.29	42.54	54.00	-11.46	29.11	9.81	38.58	34.96	Average	150	181	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.57	42.34	54.00	-11.66	28.87	9.83	38.57	34.93	Average	150	115	HORIZONTAL
2	10640.95	56.01	74.00	-17.99	42.54	9.83	38.57	34.93	Peak	150	115	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.28	42.37	54.00	-11.63	28.90	9.83	38.57	34.93	Average	150	133	VERTICAL
2	10640.10	55.73	74.00	-18.27	42.26	9.83	38.57	34.93	Peak	150	133	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11000.21	42.98	54.00	-11.02	29.25	10.02	38.50	34.79	Average	150	30	HORIZONTAL
2	11000.88	57.43	74.00	-16.57	43.70	10.02	38.50	34.79	Peak	150	30	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10999.34	56.24	74.00	-17.76	42.51	10.02	38.50	34.79	Peak	150	57	VERTICAL
2	11000.13	43.09	54.00	-10.91	29.36	10.02	38.50	34.79	Average	150	57	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.06	42.82	54.00	-11.18	28.81	10.10	38.70	34.79	Average	150	79	HORIZONTAL
2	11159.17	56.12	74.00	-17.88	42.11	10.10	38.70	34.79	Peak	150	79	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.18	42.67	54.00	-11.33	28.66	10.10	38.70	34.79	Average	150	54	VERTICAL
2	11159.66	56.05	74.00	-17.95	42.04	10.10	38.70	34.79	Peak	150	54	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.32	43.30	54.00	-10.70	28.91	10.21	38.98	34.80	Average	150	127	HORIZONTAL
2	11399.59	56.58	74.00	-17.42	42.19	10.21	38.98	34.80	Peak	150	127	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.72	43.36	54.00	-10.64	28.97	10.21	38.98	34.80	Average	150	101	VERTICAL
2	11400.55	57.27	74.00	-16.73	42.88	10.21	38.98	34.80	Peak	150	101	VERTICAL

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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15780.36	46.50	54.00	-7.50	30.08	13.82	37.92	35.32	Average	150	195	HORIZONTAL
2	15780.69	59.98	74.00	-14.02	43.56	13.82	37.92	35.32	Peak	150	195	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15780.29	60.89	74.00	-13.11	44.47	13.82	37.92	35.32	Peak	150	220	VERTICAL
2	15780.74	46.62	54.00	-7.38	30.20	13.82	37.92	35.32	Average	150	220	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10599.51	55.75	74.00	-18.25	42.32	9.81	38.58	34.96	Peak	150	149	HORIZONTAL
2	10600.72	42.58	54.00	-11.42	29.15	9.81	38.58	34.96	Average	150	149	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10599.29	42.63	54.00	-11.37	29.20	9.81	38.58	34.96	Average	150	171	VERTICAL
2	10599.81	56.44	74.00	-17.56	43.01	9.81	38.58	34.96	Peak	150	171	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10640.19	42.27	54.00	-11.73	28.80	9.83	38.57	34.93	Average	150	99	HORIZONTAL
2	10640.58	56.10	74.00	-17.90	42.63	9.83	38.57	34.93	Peak	150	99	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10640.26	56.66	74.00	-17.34	43.19	9.83	38.57	34.93	Peak	150	124	VERTICAL
2	10640.69	42.37	54.00	-11.63	28.90	9.83	38.57	34.93	Average	150	124	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10999.21	42.98	54.00	-11.02	29.25	10.02	38.50	34.79	Average	150	97	HORIZONTAL
2	11000.90	56.22	74.00	-17.78	42.49	10.02	38.50	34.79	Peak	150	97	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11000.53	56.35	74.00	-17.65	42.62	10.02	38.50	34.79	Peak	150	72	VERTICAL
2	11000.81	43.05	54.00	-10.95	29.32	10.02	38.50	34.79	Average	150	72	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.23	56.51	74.00	-17.49	42.50	10.10	38.70	34.79	Peak	150	146	HORIZONTAL
2	11160.10	42.72	54.00	-11.28	28.71	10.10	38.70	34.79	Average	150	146	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.06	56.64	74.00	-17.36	42.63	10.10	38.70	34.79	Peak	150	122	VERTICAL
2	11160.97	42.64	54.00	-11.36	28.63	10.10	38.70	34.79	Average	150	122	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.64	56.61	74.00	-17.39	42.22	10.21	38.98	34.80	Peak	150	193	HORIZONTAL
2	11400.34	43.40	54.00	-10.60	29.01	10.21	38.98	34.80	Average	150	193	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.25	56.90	74.00	-17.10	42.51	10.21	38.98	34.80	Peak	150	169	VERTICAL
2	11400.08	43.39	54.00	-10.61	29.00	10.21	38.98	34.80	Average	150	169	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15809.64	46.56	54.00	-7.44	30.22	13.81	37.85	35.32	Average	150	221	HORIZONTAL
2	15810.26	59.90	74.00	-14.10	43.56	13.81	37.85	35.32	Peak	150	221	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15809.18	46.61	54.00	-7.39	30.27	13.81	37.85	35.32	Average	150	241	VERTICAL
2	15810.71	60.50	74.00	-13.50	44.16	13.81	37.85	35.32	Peak	150	241	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10619.27	42.53	54.00	-11.47	29.09	9.81	38.58	34.95	Average	150	170	HORIZONTAL
2	10620.84	56.29	74.00	-17.71	42.85	9.81	38.58	34.95	Peak	150	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10619.99	55.44	74.00	-18.56	42.00	9.81	38.58	34.95	Peak	150	194	VERTICAL
2	10620.65	42.42	54.00	-11.58	28.98	9.81	38.58	34.95	Average	150	194	VERTICAL

Temperature	25℃	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11019.90	56.30	74.00	-17.70	42.57	10.02	38.50	34.79	Peak	150	122	HORIZONTAL
2	11019.93	42.79	54.00	-11.21	29.06	10.02	38.50	34.79	Average	150	122	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11019.69	56.49	74.00	-17.51	42.76	10.02	38.50	34.79	Peak	150	142	VERTICAL
2	11019.91	42.81	54.00	-11.19	29.08	10.02	38.50	34.79	Average	150	142	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11100.09	56.30	74.00	-17.70	42.40	10.07	38.62	34.79	Peak	150	80	HORIZONTAL
2	11100.20	42.60	54.00	-11.40	28.70	10.07	38.62	34.79	Average	150	80	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11099.04	56.10	74.00	-17.90	42.20	10.07	38.62	34.79	Peak	150	105	VERTICAL
2	11100.79	42.77	54.00	-11.23	28.87	10.07	38.62	34.79	Average	150	105	VERTICAL

Temperature	25℃	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11339.51	43.35	54.00	-10.65	29.07	10.18	38.90	34.80	Average	150	30	HORIZONTAL
2	11339.89	57.23	74.00	-16.77	42.95	10.18	38.90	34.80	Peak	150	30	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11340.31	43.18	54.00	-10.82	28.90	10.18	38.90	34.80	Average	150	56	VERTICAL
2	11340.66	57.18	74.00	-16.82	42.90	10.18	38.90	34.80	Peak	150	56	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15869.56	59.23	74.00	-14.77	43.00	13.81	37.79	35.37	Peak	150	277	HORIZONTAL
2	15870.73	45.91	54.00	-8.09	29.68	13.81	37.79	35.37	Average	150	277	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15870.16	45.92	54.00	-8.08	29.69	13.81	37.79	35.37	Average	150	248	VERTICAL
2	15870.41	59.29	74.00	-14.71	43.06	13.81	37.79	35.37	Peak	150	248	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11059.37	42.61	54.00	-11.39	28.83	10.03	38.54	34.79	Average	150	319	HORIZONTAL
2	11060.36	55.64	74.00	-18.36	41.80	10.05	38.58	34.79	Peak	150	319	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11059.56	56.88	74.00	-17.12	43.10	10.03	38.54	34.79	Peak	150	296	VERTICAL
2	11060.30	42.83	54.00	-11.17	28.99	10.05	38.58	34.79	Average	150	296	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11219.26	55.91	74.00	-18.09	41.85	10.11	38.74	34.79	Peak	150	264	HORIZONTAL
2	11220.16	42.67	54.00	-11.33	28.61	10.11	38.74	34.79	Average	150	264	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11220.20	56.24	74.00	-17.76	42.18	10.11	38.74	34.79	Peak	150	284	VERTICAL
2	11220.79	42.54	54.00	-11.46	28.48	10.11	38.74	34.79	Average	150	284	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 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.80	43.90	54.00	-10.10	29.46	10.22	39.02	34.80	Average	150	176	HORIZONTAL
2	11440.92	57.03	74.00	-16.97	42.59	10.22	39.02	34.80	Peak	150	176	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.00	43.89	54.00	-10.11	29.45	10.22	39.02	34.80	Average	150	151	VERTICAL
2	11440.80	57.46	74.00	-16.54	43.02	10.22	39.02	34.80	Peak	150	151	VERTICAL

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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11440.70	43.79	54.00	-10.21	29.35	10.22	39.02	34.80	Average	150	236	HORIZONTAL
2	11440.79	57.28	74.00	-16.72	42.84	10.22	39.02	34.80	Peak	150	236	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.30	57.20	74.00	-16.80	42.76	10.22	39.02	34.80	Peak	150	209	VERTICAL
2	11440.72	44.05	54.00	-9.95	29.61	10.22	39.02	34.80	Average	150	209	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. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11419.00	43.50	54.00	-10.50	29.06	10.22	39.02	34.80	Average	150	79	HORIZONTAL
2	11420.69	57.89	74.00	-16.11	43.45	10.22	39.02	34.80	Peak	150	79	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11419.66	57.17	74.00	-16.83	42.73	10.22	39.02	34.80	Peak	150	55	VERTICAL
2	11420.38	43.46	54.00	-10.54	29.02	10.22	39.02	34.80	Average	150	55	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	Nov. 20, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11380.40	43.29	54.00	-10.71	28.96	10.19	38.94	34.80	Average	150	208	HORIZONTAL
2	11380.65	56.60	74.00	-17.40	42.27	10.19	38.94	34.80	Peak	150	208	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11379.44	57.08	74.00	-16.92	42.75	10.19	38.94	34.80	Peak	150	236	VERTICAL
2	11380.77	43.22	54.00	-10.78	28.89	10.19	38.94	34.80	Average	150	236	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 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15779.60	60.84	74.00	-13.16	44.43	13.82	37.91	35.32	Peak	150	197	HORIZONTAL
2	15779.85	47.40	54.00	-6.60	30.99	13.82	37.91	35.32	Average	150	197	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15779.10	47.51	54.00	-6.49	31.10	13.82	37.91	35.32	Average	150	211	VERTICAL
2	15779.30	60.77	74.00	-13.23	44.36	13.82	37.91	35.32	Peak	150	211	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.20	55.49	74.00	-18.51	42.06	9.81	38.58	34.96	Peak	150	155	HORIZONTAL
2	10600.90	41.68	54.00	-12.32	28.24	9.81	38.58	34.95	Average	150	155	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10599.18	55.09	74.00	-18.91	41.66	9.81	38.58	34.96	Peak	150	174	VERTICAL
2	10599.93	41.69	54.00	-12.31	28.26	9.81	38.58	34.96	Average	150	174	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.75	55.21	74.00	-18.79	41.74	9.84	38.57	34.94	Peak	150	121	HORIZONTAL
2	10640.70	41.46	54.00	-12.54	27.99	9.84	38.57	34.94	Average	150	121	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10640.65	55.50	74.00	-18.50	42.03	9.84	38.57	34.94	Peak	150	136	VERTICAL
2	10640.97	41.37	54.00	-12.63	27.90	9.84	38.57	34.94	Average	150	136	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11000.68	55.01	74.00	-18.99	41.28	10.02	38.50	34.79	Peak	150	79	HORIZONTAL
2	11000.74	41.56	54.00	-12.44	27.83	10.02	38.50	34.79	Average	150	79	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10999.64	41.66	54.00	-12.34	27.93	10.02	38.50	34.79	Average	150	100	VERTICAL
2	10999.64	54.97	74.00	-19.03	41.24	10.02	38.50	34.79	Peak	150	100	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.24	41.38	54.00	-12.62	27.38	10.09	38.70	34.79	Average	150	41	HORIZONTAL
2	11160.86	54.59	74.00	-19.41	40.59	10.09	38.70	34.79	Peak	150	41	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.92	55.37	74.00	-18.63	41.37	10.09	38.70	34.79	Peak	150	62	VERTICAL
2	11160.27	41.45	54.00	-12.55	27.45	10.09	38.70	34.79	Average	150	62	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.78	55.38	74.00	-18.62	40.98	10.22	38.98	34.80	Peak	150	69	HORIZONTAL
2	11400.69	42.34	54.00	-11.66	27.94	10.22	38.98	34.80	Average	150	69	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11400.82	42.38	54.00	-11.62	27.98	10.22	38.98	34.80	Average	150	60	VERTICAL
2	11400.85	55.38	74.00	-18.62	40.98	10.22	38.98	34.80	Peak	150	60	VERTICAL

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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15779.59	61.08	74.00	-12.92	44.67	13.82	37.91	35.32	Peak	150	256	HORIZONTAL
2	15780.31	47.37	54.00	-6.63	30.96	13.82	37.91	35.32	Average	150	256	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15780.01	47.42	54.00	-6.58	31.01	13.82	37.91	35.32	Average	150	274	VERTICAL
2	15780.74	61.03	74.00	-12.97	44.62	13.82	37.91	35.32	Peak	150	274	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10599.43	55.67	74.00	-18.33	42.24	9.81	38.58	34.96	Peak	150	204	HORIZONTAL
2	10600.53	41.72	54.00	-12.28	28.29	9.81	38.58	34.96	Average	150	204	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10599.22	55.19	74.00	-18.81	41.76	9.81	38.58	34.96	Peak	150	221	VERTICAL
2	10600.82	41.60	54.00	-12.40	28.16	9.81	38.58	34.95	Average	150	221	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10640.07	55.07	74.00	-18.93	41.60	9.84	38.57	34.94	Peak	150	161	HORIZONTAL
2	10640.29	41.57	54.00	-12.43	28.10	9.84	38.57	34.94	Average	150	161	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10640.10	55.31	74.00	-18.69	41.84	9.84	38.57	34.94	Peak	150	185	VERTICAL
2	10640.32	41.46	54.00	-12.54	27.99	9.84	38.57	34.94	Average	150	185	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10999.71	41.56	54.00	-12.44	27.83	10.02	38.50	34.79	Average	150	130	HORIZONTAL
2	11000.88	55.27	74.00	-18.73	41.54	10.02	38.50	34.79	Peak	150	130	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11000.16	41.70	54.00	-12.30	27.97	10.02	38.50	34.79	Average	150	144	VERTICAL
2	11000.82	55.15	74.00	-18.85	41.42	10.02	38.50	34.79	Peak	150	144	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.85	41.38	54.00	-12.62	27.38	10.09	38.70	34.79	Average	150	90	HORIZONTAL
2	11160.38	55.54	74.00	-18.46	41.54	10.09	38.70	34.79	Peak	150	90	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11160.35	54.67	74.00	-19.33	40.67	10.09	38.70	34.79	Peak	150	112	VERTICAL
2	11160.96	41.36	54.00	-12.64	27.36	10.09	38.70	34.79	Average	150	112	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.54	55.55	74.00	-18.45	41.15	10.22	38.98	34.80	Peak	150	48	HORIZONTAL
2	11400.46	42.34	54.00	-11.66	27.94	10.22	38.98	34.80	Average	150	48	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.03	56.05	74.00	-17.95	41.65	10.22	38.98	34.80	Peak	150	71	VERTICAL
2	11400.88	42.18	54.00	-11.82	27.78	10.22	38.98	34.80	Average	150	71	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15810.70	47.70	54.00	-6.30	31.34	13.82	37.87	35.33	Average	150	333	HORIZONTAL
2	15810.80	61.21	74.00	-12.79	44.85	13.82	37.87	35.33	Peak	150	333	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15809.77	60.96	74.00	-13.04	44.60	13.82	37.87	35.33	Peak	150	300	VERTICAL
2	15810.56	47.49	54.00	-6.51	31.13	13.82	37.87	35.33	Average	150	300	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10620.45	55.09	74.00	-18.91	41.64	9.82	38.58	34.95	Peak	150	294	HORIZONTAL
2	10620.98	41.67	54.00	-12.33	28.22	9.82	38.58	34.95	Average	150	294	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10620.24	41.55	54.00	-12.45	28.10	9.82	38.58	34.95	Average	150	315	VERTICAL
2	10620.66	55.31	74.00	-18.69	41.86	9.82	38.58	34.95	Peak	150	315	VERTICAL

Temperature	25℃	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11020.26	41.34	54.00	-12.66	27.59	10.02	38.52	34.79	Average	150	260	HORIZONTAL
2	11020.88	55.28	74.00	-18.72	41.53	10.02	38.52	34.79	Peak	150	260	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11019.41	55.17	74.00	-18.83	41.42	10.02	38.52	34.79	Peak	150	278	VERTICAL
2	11020.09	41.42	54.00	-12.58	27.67	10.02	38.52	34.79	Average	150	278	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11100.29	55.00	74.00	-19.00	41.11	10.06	38.62	34.79	Peak	150	214	HORIZONTAL
2	11100.68	41.46	54.00	-12.54	27.57	10.06	38.62	34.79	Average	150	214	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11100.42	54.30	74.00	-19.70	40.41	10.06	38.62	34.79	Peak	150	239	VERTICAL
2	11100.63	41.40	54.00	-12.60	27.51	10.06	38.62	34.79	Average	150	239	VERTICAL

Temperature	25℃	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11340.38	55.46	74.00	-18.54	41.18	10.18	38.90	34.80	Peak	150	171	HORIZONTAL
2	11340.78	42.07	54.00	-11.93	27.79	10.18	38.90	34.80	Average	150	171	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11339.90	42.22	54.00	-11.78	27.94	10.18	38.90	34.80	Average	150	190	VERTICAL
2	11339.96	55.37	74.00	-18.63	41.09	10.18	38.90	34.80	Peak	150	190	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15870.14	61.32	74.00	-12.68	45.09	13.81	37.77	35.35	Peak	150	126	HORIZONTAL
2	15870.70	47.84	54.00	-6.16	31.61	13.81	37.77	35.35	Average	150	126	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15869.13	61.77	74.00	-12.23	45.54	13.81	37.77	35.35	Peak	150	106	VERTICAL
2	15870.40	47.82	54.00	-6.18	31.59	13.81	37.77	35.35	Average	150	106	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11060.28	55.23	74.00	-18.77	41.40	10.04	38.58	34.79	Peak	150	166	HORIZONTAL
2	11060.34	41.50	54.00	-12.50	27.67	10.04	38.58	34.79	Average	150	166	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11059.84	41.32	54.00	-12.68	27.49	10.04	38.58	34.79	Average	150	146	VERTICAL
2	11060.53	55.28	74.00	-18.72	41.45	10.04	38.58	34.79	Peak	150	146	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11219.28	41.96	54.00	-12.04	27.86	10.13	38.76	34.79	Average	150	209	HORIZONTAL
2	11219.40	55.20	74.00	-18.80	41.10	10.13	38.76	34.79	Peak	150	209	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11219.21	41.90	54.00	-12.10	27.80	10.13	38.76	34.79	Average	150	190	VERTICAL
2	11219.22	55.40	74.00	-18.60	41.30	10.13	38.76	34.79	Peak	150	190	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 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.21	42.64	54.00	-11.36	28.18	10.24	39.02	34.80	Average	150	111	HORIZONTAL
2	11440.81	55.63	74.00	-18.37	41.17	10.24	39.02	34.80	Peak	150	111	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.38	42.34	54.00	-11.66	27.88	10.24	39.02	34.80	Average	150	84	VERTICAL
2	11440.46	55.96	74.00	-18.04	41.50	10.24	39.02	34.80	Peak	150	84	VERTICAL

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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.22	42.42	54.00	-11.58	27.96	10.24	39.02	34.80	Average	150	84	HORIZONTAL
2	11440.25	55.96	74.00	-18.04	41.50	10.24	39.02	34.80	Peak	150	84	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.16	42.54	54.00	-11.46	28.08	10.24	39.02	34.80	Average	150	67	VERTICAL
2	11439.43	55.48	74.00	-18.52	41.02	10.24	39.02	34.80	Peak	150	67	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. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11420.23	41.98	54.00	-12.02	27.56	10.22	39.00	34.80	Average	150	121	HORIZONTAL
2	11420.30	55.47	74.00	-18.53	41.05	10.22	39.00	34.80	Peak	150	121	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11419.58	55.59	74.00	-18.41	41.17	10.22	39.00	34.80	Peak	150	141	VERTICAL
2	11420.10	42.01	54.00	-11.99	27.59	10.22	39.00	34.80	Average	150	141	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	Nov. 15, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11380.62	55.50	74.00	-18.50	41.14	10.20	38.96	34.80	Peak	150	251	HORIZONTAL
2	11380.92	42.32	54.00	-11.68	27.96	10.20	38.96	34.80	Average	150	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11380.33	42.22	54.00	-11.78	27.86	10.20	38.96	34.80	Average	150	232	VERTICAL
2	11380.42	56.53	74.00	-17.47	42.17	10.20	38.96	34.80	Peak	150	232	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℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15782.13	46.72	54.00	-7.28	30.38	13.81	37.85	35.32	Average	200	307	HORIZONTAL
2	15783.97	59.72	74.00	-14.28	43.38	13.81	37.85	35.32	Peak	200	307	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15776.70	58.78	74.00	-15.22	42.36	13.82	37.92	35.32	Peak	200	298	VERTICAL
2	15783.04	46.21	54.00	-7.79	29.87	13.81	37.85	35.32	Average	200	298	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10598.13	42.42	54.00	-11.58	28.99	9.81	38.58	34.96	Average	200	291	HORIZONTAL
2	10599.57	55.43	74.00	-18.57	42.00	9.81	38.58	34.96	Peak	200	291	HORIZONTAL
3	15902.53	59.35	74.00	-14.65	43.18	13.81	37.73	35.37	Peak	200	334	HORIZONTAL
4	15904.76	46.49	54.00	-7.51	30.32	13.81	37.73	35.37	Average	200	334	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10595.61	42.33	54.00	-11.67	28.90	9.81	38.58	34.96	Average	200	354	VERTICAL
2	10596.73	54.86	74.00	-19.14	41.43	9.81	38.58	34.96	Peak	200	354	VERTICAL
3	15895.00	45.96	54.00	-8.04	29.79	13.81	37.73	35.37	Average	200	348	VERTICAL
4	15903.99	58.87	74.00	-15.13	42.70	13.81	37.73	35.37	Peak	200	348	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10635.75	55.10	74.00	-18.90	41.65	9.83	38.57	34.95	Peak	200	332	HORIZONTAL
2	10643.81	42.02	54.00	-11.98	28.55	9.83	38.57	34.93	Average	200	332	HORIZONTAL
3	15955.80	46.95	54.00	-7.05	30.88	13.80	37.66	35.39	Average	200	339	HORIZONTAL
4	15955.87	59.83	74.00	-14.17	43.76	13.80	37.66	35.39	Peak	200	339	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10638.56	55.39	74.00	-18.61	41.92	9.83	38.57	34.93	Peak	200	320	VERTICAL
2	10645.00	41.53	54.00	-12.47	28.06	9.83	38.57	34.93	Average	200	320	VERTICAL
3	15955.27	46.75	54.00	-7.25	30.68	13.80	37.66	35.39	Average	200	334	VERTICAL
4	15962.50	60.17	74.00	-13.83	44.10	13.80	37.66	35.39	Peak	200	334	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10997.76	55.27	74.00	-18.73	41.54	10.02	38.50	34.79	Peak	200	324	HORIZONTAL
2	11000.91	42.89	54.00	-11.11	29.16	10.02	38.50	34.79	Average	200	324	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10996.14	42.84	54.00	-11.16	29.12	10.00	38.51	34.79	Average	200	319	VERTICAL
2	10997.85	56.06	74.00	-17.94	42.33	10.02	38.50	34.79	Peak	200	319	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11155.00	41.95	54.00	-12.05	28.00	10.08	38.66	34.79	Average	200	314	HORIZONTAL
2	11160.43	55.72	74.00	-18.28	41.71	10.10	38.70	34.79	Peak	200	314	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11162.18	55.04	74.00	-18.96	41.03	10.10	38.70	34.79	Peak	200	310	VERTICAL
2	11163.04	42.41	54.00	-11.59	28.40	10.10	38.70	34.79	Average	200	310	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11398.91	43.02	54.00	-10.98	28.63	10.21	38.98	34.80	Average	200	304	HORIZONTAL
2	11404.10	55.75	74.00	-18.25	41.36	10.21	38.98	34.80	Peak	200	304	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11395.00	42.69	54.00	-11.31	28.30	10.21	38.98	34.80	Average	200	297	VERTICAL
2	11401.54	56.12	74.00	-17.88	41.73	10.21	38.98	34.80	Peak	200	297	VERTICAL

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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15782.88	59.88	74.00	-14.12	43.54	13.81	37.85	35.32	Peak	200	263	HORIZONTAL
2	15783.73	46.43	54.00	-7.57	30.09	13.81	37.85	35.32	Average	200	263	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15778.43	60.67	74.00	-13.33	44.25	13.82	37.92	35.32	Peak	200	254	VERTICAL
2	15783.93	46.37	54.00	-7.63	30.03	13.81	37.85	35.32	Average	200	254	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.11	51.62	74.00	-22.38	38.19	9.81	38.58	34.96	Peak	200	275	HORIZONTAL
2	10603.11	42.33	54.00	-11.67	28.90	9.81	38.58	34.96	Average	200	275	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10598.40	55.45	74.00	-18.55	42.02	9.81	38.58	34.96	Peak	200	283	VERTICAL
2	10599.31	42.18	54.00	-11.82	28.75	9.81	38.58	34.96	Average	200	283	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10635.22	55.89	74.00	-18.11	42.44	9.83	38.57	34.95	Peak	200	324	HORIZONTAL
2	10635.45	42.03	54.00	-11.97	28.58	9.83	38.57	34.95	Average	200	324	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10635.96	41.88	54.00	-12.12	28.43	9.83	38.57	34.95	Average	200	329	VERTICAL
2	10637.63	54.99	74.00	-19.01	41.54	9.83	38.57	34.95	Peak	200	329	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10636.17	55.41	74.00	-18.59	41.96	9.83	38.57	34.95	Peak	200	321	HORIZONTAL
2	10638.04	41.99	54.00	-12.01	28.54	9.83	38.57	34.95	Average	200	321	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10637.05	55.42	74.00	-18.58	41.97	9.83	38.57	34.95	Peak	200	329	VERTICAL
2	10638.24	41.98	54.00	-12.02	28.53	9.83	38.57	34.95	Average	200	329	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11155.53	42.19	54.00	-11.81	28.24	10.08	38.66	34.79	Average	200	314	HORIZONTAL
2	11164.29	55.06	74.00	-18.94	41.05	10.10	38.70	34.79	Peak	200	314	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11156.23	42.41	54.00	-11.59	28.46	10.08	38.66	34.79	Average	200	319	VERTICAL
2	11164.28	55.26	74.00	-18.74	41.25	10.10	38.70	34.79	Peak	200	319	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11397.55	56.82	74.00	-17.18	42.43	10.21	38.98	34.80	Peak	200	302	HORIZONTAL
2	11399.47	42.99	54.00	-11.01	28.60	10.21	38.98	34.80	Average	200	302	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11397.08	56.44	74.00	-17.56	42.05	10.21	38.98	34.80	Peak	200	302	VERTICAL
2	11400.22	42.95	54.00	-11.05	28.56	10.21	38.98	34.80	Average	200	302	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15809.36	46.38	54.00	-7.62	30.04	13.81	37.85	35.32	Average	200	335	HORIZONTAL
2	15814.13	60.57	74.00	-13.43	44.23	13.81	37.85	35.32	Peak	200	335	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15807.44	47.27	54.00	-6.73	30.93	13.81	37.85	35.32	Average	200	348	VERTICAL
2	15811.75	59.63	74.00	-14.37	43.29	13.81	37.85	35.32	Peak	200	348	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10622.21	42.37	54.00	-11.63	28.92	9.83	38.57	34.95	Average	200	328	HORIZONTAL
2	10623.01	55.82	74.00	-18.18	42.37	9.83	38.57	34.95	Peak	200	328	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10616.84	42.16	54.00	-11.84	28.72	9.81	38.58	34.95	Average	200	328	VERTICAL
2	10621.54	55.21	74.00	-18.79	41.76	9.83	38.57	34.95	Peak	200	328	VERTICAL

Temperature	25℃	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11015.26	55.45	74.00	-18.55	41.72	10.02	38.50	34.79	Peak	200	335	HORIZONTAL
2	11019.04	42.52	54.00	-11.48	28.79	10.02	38.50	34.79	Average	200	335	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11015.30	55.82	74.00	-18.18	42.09	10.02	38.50	34.79	Peak	200	330	VERTICAL
2	11021.97	42.42	54.00	-11.58	28.69	10.02	38.50	34.79	Average	200	330	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11096.01	42.50	54.00	-11.50	28.60	10.07	38.62	34.79	Average	200	339	HORIZONTAL
2	11101.86	55.85	74.00	-18.15	41.95	10.07	38.62	34.79	Peak	200	339	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11098.94	42.27	54.00	-11.73	28.37	10.07	38.62	34.79	Average	200	330	VERTICAL
2	11099.01	56.05	74.00	-17.95	42.15	10.07	38.62	34.79	Peak	200	330	VERTICAL

Temperature	25℃	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11338.62	43.01	54.00	-10.99	28.73	10.18	38.90	34.80	Average	200	326	HORIZONTAL
2	11344.34	55.83	74.00	-18.17	41.55	10.18	38.90	34.80	Peak	200	326	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11343.48	56.18	74.00	-17.82	41.90	10.18	38.90	34.80	Peak	200	312	VERTICAL
2	11344.26	42.88	54.00	-11.12	28.60	10.18	38.90	34.80	Average	200	312	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10575.91	42.43	54.00	-11.57	29.00	9.80	38.59	34.96	Average	200	246	HORIZONTAL
2	10580.02	55.48	74.00	-18.52	42.05	9.80	38.59	34.96	Peak	200	246	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10576.99	42.33	54.00	-11.67	28.90	9.80	38.59	34.96	Average	200	278	VERTICAL
2	10580.16	55.55	74.00	-18.45	42.12	9.80	38.59	34.96	Peak	200	278	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11055.51	55.72	74.00	-18.28	41.94	10.03	38.54	34.79	Peak	200	273	HORIZONTAL
2	11056.19	42.43	54.00	-11.57	28.65	10.03	38.54	34.79	Average	200	273	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11055.19	56.72	74.00	-17.28	42.94	10.03	38.54	34.79	Peak	200	273	VERTICAL
2	11056.07	42.47	54.00	-11.53	28.69	10.03	38.54	34.79	Average	200	273	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11216.55	42.81	54.00	-11.19	28.75	10.11	38.74	34.79	Average	200	332	HORIZONTAL
2	11222.26	55.41	74.00	-18.59	41.29	10.13	38.78	34.79	Peak	200	332	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11223.46	55.94	74.00	-18.06	41.82	10.13	38.78	34.79	Peak	200	347	VERTICAL
2	11224.70	42.23	54.00	-11.77	28.11	10.13	38.78	34.79	Average	200	347	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 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11437.72	56.52	74.00	-17.48	42.08	10.22	39.02	34.80	Peak	200	288	HORIZONTAL
2	11441.79	43.59	54.00	-10.41	29.15	10.22	39.02	34.80	Average	200	288	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11435.40	56.55	74.00	-17.45	42.11	10.22	39.02	34.80	Peak	200	282	VERTICAL
2	11437.72	43.17	54.00	-10.83	28.73	10.22	39.02	34.80	Average	200	282	VERTICAL

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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11438.03	43.27	54.00	-10.73	28.83	10.22	39.02	34.80	Average	200	317	HORIZONTAL
2	11444.21	56.74	74.00	-17.26	42.30	10.22	39.02	34.80	Peak	200	317	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11439.39	56.59	74.00	-17.41	42.15	10.22	39.02	34.80	Peak	200	322	VERTICAL
2	11439.90	43.34	54.00	-10.66	28.90	10.22	39.02	34.80	Average	200	322	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. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11415.40	43.13	54.00	-10.87	28.74	10.21	38.98	34.80	Average	200	314	HORIZONTAL
2	11421.15	57.21	74.00	-16.79	42.77	10.22	39.02	34.80	Peak	200	314	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11419.87	43.27	54.00	-10.73	28.83	10.22	39.02	34.80	Average	200	322	VERTICAL
2	11420.27	56.84	74.00	-17.16	42.40	10.22	39.02	34.80	Peak	200	322	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	Nov. 25, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11375.42	43.01	54.00	-10.99	28.68	10.19	38.94	34.80	Average	200	340	HORIZONTAL
2	11376.57	56.15	74.00	-17.85	41.82	10.19	38.94	34.80	Peak	200	340	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11378.99	56.13	74.00	-17.87	41.80	10.19	38.94	34.80	Peak	200	345	VERTICAL
2	11380.91	44.41	54.00	-9.59	30.08	10.19	38.94	34.80	Average	200	345	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 05, 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	5144.00	59.37	74.00	-14.63	51.46	7.22	33.74	33.05	183	359	Peak	HORIZONTAL
2	5150.00	47.84	54.00	-6.16	39.93	7.22	33.74	33.05	183	359	Average	HORIZONTAL
3	5265.40	111.52			103.30	7.34	33.94	33.06	183	359	Average	HORIZONTAL
4	5266.00	121.46			113.24	7.34	33.94	33.06	183	359	Peak	HORIZONTAL
5	5351.80	61.15	74.00	-12.85	52.85	7.30	34.06	33.06	183	359	Peak	HORIZONTAL
6	5361.40	49.50	54.00	-4.50	41.19	7.29	34.08	33.06	183	359	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	5305.60	121.78			113.54	7.32	33.98	33.06	175	0	Peak	HORIZONTAL
2	5306.00	111.31			103.07	7.32	33.98	33.06	175	0	Average	HORIZONTAL
3	5350.00	62.84	74.00	-11.16	54.54	7.30	34.06	33.06	175	0	Peak	HORIZONTAL
4	5353.60	50.85	54.00	-3.15	42.55	7.30	34.06	33.06	175	0	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	110.20			101.94	7.31	34.01	33.06	179	352	Average	HORIZONTAL
2	5317.00	121.28			113.02	7.31	34.01	33.06	179	352	Peak	HORIZONTAL
3	5350.00	52.34	54.00	-1.66	44.04	7.30	34.06	33.06	179	352	Average	HORIZONTAL
4	5350.20	64.87	74.00	-9.13	56.57	7.30	34.06	33.06	179	352	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 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 05, 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	5457.60	50.39	54.00	-3.61	41.83	7.39	34.23	33.06	178	354	Average	HORIZONTAL
2	5459.60	63.23	74.00	-10.77	54.67	7.39	34.23	33.06	178	354	Peak	HORIZONTAL
3	5469.00	67.55	74.00	-6.45	58.94	7.42	34.25	33.06	178	354	Peak	HORIZONTAL
4	5470.00	52.99	54.00	-1.01	44.38	7.42	34.25	33.06	178	354	Average	HORIZONTAL
5	5496.60	109.93			101.22	7.47	34.30	33.06	178	354	Average	HORIZONTAL
6	5496.80	121.24			112.53	7.47	34.30	33.06	178	354	Peak	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	5441.40	49.33	54.00	-4.67	40.83	7.36	34.20	33.06	178	354	Average	HORIZONTAL
2	5444.40	60.95	74.00	-13.05	52.45	7.36	34.20	33.06	178	354	Peak	HORIZONTAL
3	5464.00	61.24	74.00	-12.76	52.63	7.42	34.25	33.06	178	354	Peak	HORIZONTAL
4	5470.00	49.37	54.00	-4.63	40.76	7.42	34.25	33.06	178	354	Average	HORIZONTAL
5	5577.00	125.20			116.32	7.61	34.35	33.08	178	354	Peak	HORIZONTAL
6	5577.00	114.21			105.33	7.61	34.35	33.08	178	354	Average	HORIZONTAL
7	5725.00	48.55	54.00	-5.45	39.86	7.38	34.44	33.13	178	354	Average	HORIZONTAL
8	5726.40	60.76	74.00	-13.24	52.08	7.38	34.44	33.14	178	354	Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5698.20	119.43			110.70	7.44	34.42	33.13	178	354	Peak	HORIZONTAL
2	5699.00	108.65			99.92	7.44	34.42	33.13	178	354	Average	HORIZONTAL
3	5729.00	52.83	54.00	-1.17	44.15	7.38	34.44	33.14	178	354	Average	HORIZONTAL
4	5730.00	67.44	74.00	-6.56	58.76	7.38	34.44	33.14	178	354	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 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 05, 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	5137.60	59.29	74.00	-14.71	51.45	7.17	33.72	33.05	178	358	Peak	HORIZONTAL
2	5150.00	47.69	54.00	-6.31	39.78	7.22	33.74	33.05	178	358	Average	HORIZONTAL
3	5265.40	121.87			113.65	7.34	33.94	33.06	178	358	Peak	HORIZONTAL
4	5265.40	111.57			103.35	7.34	33.94	33.06	178	358	Average	HORIZONTAL
5	5360.20	49.73	54.00	-4.27	41.42	7.29	34.08	33.06	178	358	Average	HORIZONTAL
6	5363.80	62.06	74.00	-11.94	53.75	7.29	34.08	33.06	178	358	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	5305.20	121.50			113.26	7.32	33.98	33.06	177	358	Peak	HORIZONTAL
2	5305.20	110.78			102.54	7.32	33.98	33.06	177	358	Average	HORIZONTAL
3	5350.00	63.54	74.00	-10.46	55.24	7.30	34.06	33.06	177	358	Peak	HORIZONTAL
4	5350.00	51.10	54.00	-2.90	42.80	7.30	34.06	33.06	177	358	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	5311.60	108.84			100.58	7.31	34.01	33.06	178	356	Average	VERTICAL
2	5312.20	119.33			111.07	7.31	34.01	33.06	178	356	Peak	VERTICAL
3	5352.40	52.80	54.00	-1.20	44.50	7.30	34.06	33.06	178	356	Average	VERTICAL
4	5353.20	66.65	74.00	-7.35	58.35	7.30	34.06	33.06	178	356	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	Dec. 05, 2015 ~ Dec. 06, 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	5457.80	64.43	74.00	-9.57	55.87	7.39	34.23	33.06	178	0	Peak	HORIZONTAL
2	5458.80	51.72	54.00	-2.28	43.16	7.39	34.23	33.06	178	0	Average	HORIZONTAL
3	5466.00	67.17	68.20	-1.03	58.56	7.42	34.25	33.06	178	0	Peak	HORIZONTAL
4	5505.00	121.57			112.86	7.47	34.30	33.06	178	0	Peak	HORIZONTAL
5	5505.40	110.98			102.27	7.47	34.30	33.06	178	0	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.20	49.40	54.00	-4.60	40.84	7.39	34.23	33.06	174	359	Average	VERTICAL
2	5460.00	61.16	74.00	-12.84	52.60	7.39	34.23	33.06	174	359	Peak	VERTICAL
3	5466.40	61.37	68.20	-6.83	52.76	7.42	34.25	33.06	174	359	Peak	VERTICAL
4	5572.20	121.32			112.48	7.58	34.34	33.08	174	359	Peak	VERTICAL
5	5572.20	110.93			102.09	7.58	34.34	33.08	174	359	Average	VERTICAL
6	5725.00	60.50	68.20	-7.70	51.81	7.38	34.44	33.13	174	359	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	5698.60	107.45			98.72	7.44	34.42	33.13	178	355	Average	HORIZONTAL
2	5698.80	117.78			109.05	7.44	34.42	33.13	178	355	Peak	HORIZONTAL
3	5725.00	67.16	68.20	-1.04	58.47	7.38	34.44	33.13	178	355	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. 06, 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	5275.40	117.42			109.20	7.34	33.94	33.06	177	0	Peak	HORIZONTAL
2	5275.40	106.74			98.52	7.34	33.94	33.06	177	0	Average	HORIZONTAL
3	5355.80	64.96	74.00	-9.04	56.65	7.29	34.08	33.06	177	0	Peak	HORIZONTAL
4	5356.40	52.21	54.00	-1.79	43.90	7.29	34.08	33.06	177	0	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	5315.60	102.32			94.06	7.31	34.01	33.06	172	0	Average	HORIZONTAL
2	5316.00	111.91			103.65	7.31	34.01	33.06	172	0	Peak	HORIZONTAL
3	5355.60	65.42	74.00	-8.58	57.11	7.29	34.08	33.06	172	0	Peak	HORIZONTAL
4	5356.40	52.87	54.00	-1.13	44.56	7.29	34.08	33.06	172	0	Average	HORIZONTAL

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. 06, 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	5457.60	64.48	74.00	-9.52	55.92	7.39	34.23	33.06	178	0	Peak	HORIZONTAL
2	5458.80	51.48	54.00	-2.52	42.92	7.39	34.23	33.06	178	0	Average	HORIZONTAL
3	5465.60	67.19	68.20	-1.01	58.58	7.42	34.25	33.06	178	0	Peak	HORIZONTAL
4	5515.60	105.40			96.66	7.50	34.31	33.07	178	0	Average	HORIZONTAL
5	5516.00	114.92			106.18	7.50	34.31	33.07	178	0	Peak	HORIZONTAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.00	64.29	74.00	-9.71	55.73	7.39	34.23	33.06	178	1	Peak	HORIZONTAL
2	5457.00	52.68	54.00	-1.32	44.12	7.39	34.23	33.06	178	1	Average	HORIZONTAL
3	5470.00	64.66	68.20	-3.54	56.05	7.42	34.25	33.06	178	1	Peak	HORIZONTAL
4	5556.00	109.35			100.54	7.56	34.33	33.08	178	1	Average	HORIZONTAL
5	5557.20	118.86			110.05	7.56	34.33	33.08	178	1	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	5677.60	116.98			108.21	7.48	34.41	33.12	172	2	Peak	HORIZONTAL
2	5677.60	106.39			97.62	7.48	34.41	33.12	172	2	Average	HORIZONTAL
3	5730.40	66.87	68.20	-1.33	58.19	7.38	34.44	33.14	172	2	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. 06, 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	5150.00	57.21	74.00	-16.79	49.30	7.22	33.74	33.05	179	356	Peak	VERTICAL
2	5150.00	47.38	54.00	-6.62	39.47	7.22	33.74	33.05	179	356	Average	VERTICAL
3	5302.00	105.01			96.77	7.32	33.98	33.06	179	356	Peak	VERTICAL
4	5302.00	95.05			86.81	7.32	33.98	33.06	179	356	Average	VERTICAL
5	5362.00	52.93	54.00	-1.07	44.62	7.29	34.08	33.06	179	356	Average	VERTICAL
6	5363.00	65.01	74.00	-8.99	56.70	7.29	34.08	33.06	179	356	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.00	65.97	74.00	-8.03	57.41	7.39	34.23	33.06	176	0	Peak	HORIZONTAL
2	5457.00	52.97	54.00	-1.03	44.41	7.39	34.23	33.06	176	0	Average	HORIZONTAL
3	5464.00	66.03	74.00	-7.97	57.42	7.42	34.25	33.06	176	0	Peak	HORIZONTAL
4	5470.00	51.90	54.00	-2.10	43.29	7.42	34.25	33.06	176	0	Average	HORIZONTAL
5	5516.00	106.02			97.28	7.50	34.31	33.07	176	0	Peak	HORIZONTAL
6	5536.00	95.83			87.05	7.53	34.32	33.07	176	0	Average	HORIZONTAL
7	5725.00	48.50	54.00	-5.50	39.81	7.38	34.44	33.13	176	0	Average	HORIZONTAL
8	5728.00	61.86	74.00	-12.14	53.18	7.38	34.44	33.14	176	0	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	63.51	74.00	-10.49	55.01	7.36	34.20	33.06	178	354	Peak	HORIZONTAL
2	5447.00	50.81	54.00	-3.19	42.31	7.36	34.20	33.06	178	354	Average	HORIZONTAL
3	5466.00	66.87	68.20	-1.33	58.26	7.42	34.25	33.06	178	354	Peak	HORIZONTAL
4	5587.00	112.74			103.87	7.61	34.35	33.09	178	354	Peak	HORIZONTAL
5	5588.00	102.92			94.05	7.61	34.35	33.09	178	354	Average	HORIZONTAL
6	5728.00	63.67	68.20	-4.53	54.99	7.38	34.44	33.14	178	354	Peak	HORIZONTAL

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 06, 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	5718.20	121.28			112.57	7.41	34.43	33.13	177	356	Peak	HORIZONTAL
2	5719.40	111.27			102.56	7.41	34.43	33.13	177	356	Average	HORIZONTAL
3	5854.40	61.32	68.20	-6.88	52.46	7.52	34.51	33.17	177	356	Peak	HORIZONTAL

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

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. 06, 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	5714.00	119.16			110.45	7.41	34.43	33.13	175	1	Peak	VERTICAL
2	5714.00	108.60			99.89	7.41	34.43	33.13	175	1	Average	VERTICAL
3	5858.60	61.87	68.20	-6.33	52.91	7.61	34.52	33.17	175	1	Peak	VERTICAL

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

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. 06, 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	5708.80	118.56			109.85	7.41	34.43	33.13	178	354	Peak	HORIZONTAL
2	5708.80	108.82			100.11	7.41	34.43	33.13	178	354	Average	HORIZONTAL
3	5852.20	62.34	68.20	-5.86	53.48	7.52	34.51	33.17	178	354	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	Dec. 06, 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	5447.00	52.12	54.00	-1.88	43.62	7.36	34.20	33.06	185	354	Average	HORIZONTAL
2	5448.00	65.14	74.00	-8.86	56.58	7.39	34.23	33.06	185	354	Peak	HORIZONTAL
3	5468.00	63.64	68.20	-4.56	55.03	7.42	34.25	33.06	185	354	Peak	HORIZONTAL
4	5668.00	114.76			105.96	7.51	34.40	33.11	185	354	Peak	HORIZONTAL
5	5688.00	104.95			96.18	7.48	34.41	33.12	185	354	Average	HORIZONTAL
6	5882.00	64.57	68.20	-3.63	55.52	7.70	34.53	33.18	185	354	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 07, 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	5111.80	48.26	54.00	-5.74	40.25	7.97	33.67	33.63	244	350	Average	HORIZONTAL
2	5143.60	60.41	74.00	-13.59	52.15	8.15	33.74	33.63	244	350	Peak	HORIZONTAL
3	5261.20	117.97			109.40	8.27	33.91	33.61	244	350	Peak	HORIZONTAL
4	5261.20	108.62			100.05	8.27	33.91	33.61	244	350	Average	HORIZONTAL
5	5353.00	49.85	54.00	-4.15	41.19	8.20	34.06	33.60	244	350	Average	HORIZONTAL
6	5356.00	61.64	74.00	-12.36	52.97	8.19	34.08	33.60	244	350	Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5301.20	119.01			110.40	8.24	33.98	33.61	255	348	Peak	HORIZONTAL
2	5301.60	109.06			100.45	8.24	33.98	33.61	255	348	Average	HORIZONTAL
3	5350.00	51.21	54.00	-2.79	42.55	8.20	34.06	33.60	255	348	Average	HORIZONTAL
4	5364.80	62.29	74.00	-11.71	53.62	8.19	34.08	33.60	255	348	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	5313.20	107.04			98.40	8.23	34.01	33.60	271	355	Average	HORIZONTAL
2	5313.60	117.31			108.67	8.23	34.01	33.60	271	355	Peak	HORIZONTAL
3	5350.40	65.19	74.00	-8.81	56.53	8.20	34.06	33.60	271	355	Peak	HORIZONTAL
4	5353.20	52.57	54.00	-1.43	43.91	8.20	34.06	33.60	271	355	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 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 07, 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	5457.00	66.72	74.00	-7.28	57.71	8.36	34.23	33.58	237	348	Peak	HORIZONTAL
2	5458.60	52.72	54.00	-1.28	43.71	8.36	34.23	33.58	237	348	Average	HORIZONTAL
3	5469.80	66.93	68.20	-1.27	57.85	8.41	34.25	33.58	237	348	Peak	HORIZONTAL
4	5496.80	117.78			108.55	8.51	34.30	33.58	237	348	Peak	HORIZONTAL
5	5497.80	107.41			98.18	8.51	34.30	33.58	237	348	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5433.00	62.63	74.00	-11.37	53.70	8.32	34.20	33.59	226	343	Peak	HORIZONTAL
2	5445.60	49.53	54.00	-4.47	40.60	8.32	34.20	33.59	226	343	Average	HORIZONTAL
3	5464.60	61.72	68.20	-6.48	52.64	8.41	34.25	33.58	226	343	Peak	HORIZONTAL
4	5583.00	118.30			108.79	8.75	34.35	33.59	226	343	Peak	HORIZONTAL
5	5583.60	108.57			99.06	8.75	34.35	33.59	226	343	Average	HORIZONTAL
6	5726.40	61.71	68.20	-6.49	52.40	8.47	34.44	33.60	226	343	Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.80	115.78			106.40	8.56	34.42	33.60	223	350	Peak	HORIZONTAL
2	5696.80	104.83			95.45	8.56	34.42	33.60	223	350	Average	HORIZONTAL
3	5730.80	67.13	68.20	-1.07	57.82	8.47	34.44	33.60	223	350	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 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 07, 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	5117.20	48.20	54.00	-5.80	40.11	8.03	33.69	33.63	208	353	Average	HORIZONTAL
2	5147.80	59.91	74.00	-14.09	51.65	8.15	33.74	33.63	208	353	Peak	HORIZONTAL
3	5254.60	107.15			98.58	8.27	33.91	33.61	208	353	Average	HORIZONTAL
4	5261.80	117.57			109.00	8.27	33.91	33.61	208	353	Peak	HORIZONTAL
5	5352.40	49.81	54.00	-4.19	41.15	8.20	34.06	33.60	208	353	Average	HORIZONTAL
6	5374.60	62.30	74.00	-11.70	53.61	8.18	34.11	33.60	208	353	Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.80	107.73			99.12	8.24	33.98	33.61	227	346	Average	HORIZONTAL
2	5303.20	117.42			108.81	8.24	33.98	33.61	227	346	Peak	HORIZONTAL
3	5350.00	50.83	54.00	-3.17	42.17	8.20	34.06	33.60	227	346	Average	HORIZONTAL
4	5398.40	61.82	74.00	-12.18	53.11	8.17	34.13	33.59	227	346	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	5314.40	116.30			107.66	8.23	34.01	33.60	234	354	Peak	HORIZONTAL
2	5314.40	105.95			97.31	8.23	34.01	33.60	234	354	Average	HORIZONTAL
3	5350.00	64.64	74.00	-9.36	55.98	8.20	34.06	33.60	234	354	Peak	HORIZONTAL
4	5350.00	52.95	54.00	-1.05	44.29	8.20	34.06	33.60	234	354	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. 07, 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	5457.20	51.35	54.00	-2.65	42.34	8.36	34.23	33.58	225	352	Average	HORIZONTAL
2	5458.40	63.25	74.00	-10.75	54.24	8.36	34.23	33.58	225	352	Peak	HORIZONTAL
3	5464.40	66.91	68.20	-1.29	57.83	8.41	34.25	33.58	225	352	Peak	HORIZONTAL
4	5496.80	116.53			107.30	8.51	34.30	33.58	225	352	Peak	HORIZONTAL
5	5497.20	106.61			97.38	8.51	34.30	33.58	225	352	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5431.80	49.71	54.00	-4.29	40.85	8.27	34.18	33.59	100	360	Average	VERTICAL
2	5456.40	61.09	74.00	-12.91	52.08	8.36	34.23	33.58	100	360	Peak	VERTICAL
3	5465.20	61.80	68.20	-6.40	52.72	8.41	34.25	33.58	100	360	Peak	VERTICAL
4	5581.80	118.43			108.92	8.75	34.35	33.59	100	360	Peak	VERTICAL
5	5582.40	107.75			98.24	8.75	34.35	33.59	100	360	Average	VERTICAL
6	5730.00	61.29	68.20	-6.91	51.98	8.47	34.44	33.60	100	360	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	5703.20	102.36			92.98	8.56	34.42	33.60	250	346	Average	HORIZONTAL
2	5704.00	112.52			103.14	8.56	34.42	33.60	250	346	Peak	HORIZONTAL
3	5725.00	67.07	68.20	-1.13	57.76	8.47	34.44	33.60	250	346	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. 07, 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	5263.05	105.30			96.71	8.26	33.94	33.61	273	354	Average	HORIZONTAL
2	5263.49	115.64			107.05	8.26	33.94	33.61	273	354	Peak	HORIZONTAL
3	5350.00	52.76	54.00	-1.24	44.10	8.20	34.06	33.60	273	354	Average	HORIZONTAL
4	5350.87	67.60	74.00	-6.40	58.94	8.20	34.06	33.60	273	354	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	5304.21	99.91			91.30	8.24	33.98	33.61	240	354	Average	HORIZONTAL
2	5304.79	109.49			100.88	8.24	33.98	33.61	240	354	Peak	HORIZONTAL
3	5350.00	52.66	54.00	-1.34	44.00	8.20	34.06	33.60	240	354	Average	HORIZONTAL
4	5350.58	64.95	74.00	-9.05	56.29	8.20	34.06	33.60	240	354	Peak	HORIZONTAL

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. 07, 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	5449.51	61.34	74.00	-12.66	52.34	8.36	34.23	33.59	102	0	Peak	VERTICAL
2	5450.09	49.35	54.00	-4.65	40.35	8.36	34.23	33.59	102	0	Average	VERTICAL
3	5467.74	67.00	68.20	-1.20	57.92	8.41	34.25	33.58	102	0	Peak	VERTICAL
4	5511.45	110.44			101.15	8.56	34.31	33.58	102	0	Peak	VERTICAL
5	5511.74	100.76			91.47	8.56	34.31	33.58	102	0	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	5460.00	65.89	74.00	-8.11	56.88	8.36	34.23	33.58	253	8	Peak	HORIZONTAL
2	5460.00	52.91	54.00	-1.09	43.90	8.36	34.23	33.58	253	8	Average	HORIZONTAL
3	5467.51	66.31	68.20	-1.89	57.23	8.41	34.25	33.58	253	8	Peak	HORIZONTAL
4	5546.53	104.97			95.57	8.65	34.33	33.58	253	8	Average	HORIZONTAL
5	5547.40	114.79			105.39	8.65	34.33	33.58	253	8	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	5673.18	112.59			103.17	8.60	34.41	33.59	255	344	Peak	HORIZONTAL
2	5673.18	102.69			93.27	8.60	34.41	33.59	255	344	Average	HORIZONTAL
3	5733.10	67.19	68.20	-1.01	57.88	8.47	34.44	33.60	255	344	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. 07, 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	5133.36	60.56	74.00	-13.44	52.38	8.09	33.72	33.63	241	354	Peak	HORIZONTAL
2	5150.00	48.42	54.00	-5.58	40.16	8.15	33.74	33.63	241	354	Average	HORIZONTAL
3	5283.49	94.56			85.96	8.25	33.96	33.61	241	354	Average	HORIZONTAL
4	5284.21	103.86			95.26	8.25	33.96	33.61	241	354	Peak	HORIZONTAL
5	5358.68	64.92	74.00	-9.08	56.25	8.19	34.08	33.60	241	354	Peak	HORIZONTAL
6	5364.47	52.90	54.00	-1.10	44.23	8.19	34.08	33.60	241	354	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	5447.51	64.31	74.00	-9.69	55.38	8.32	34.20	33.59	105	360	Peak	VERTICAL
2	5448.96	53.00	54.00	-1.00	44.00	8.36	34.23	33.59	105	360	Average	VERTICAL
3	5470.00	63.24	68.20	-4.96	54.16	8.41	34.25	33.58	105	360	Peak	VERTICAL
4	5511.19	92.42			83.13	8.56	34.31	33.58	105	360	Average	VERTICAL
5	5553.88	102.92			93.52	8.65	34.33	33.58	105	360	Peak	VERTICAL
6	5725.00	60.61	68.20	-7.59	51.30	8.47	34.44	33.60	105	360	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	5455.15	66.30	74.00	-7.70	57.29	8.36	34.23	33.58	248	4	Peak	HORIZONTAL
2	5460.00	52.58	54.00	-1.42	43.57	8.36	34.23	33.58	248	4	Average	HORIZONTAL
3	5466.73	67.10	68.20	-1.10	58.02	8.41	34.25	33.58	248	4	Peak	HORIZONTAL
4	5587.57	108.87			99.36	8.75	34.35	33.59	248	4	Peak	HORIZONTAL
5	5588.29	98.94			89.43	8.75	34.35	33.59	248	4	Average	HORIZONTAL
6	5729.34	64.29	68.20	-3.91	54.98	8.47	34.44	33.60	248	4	Peak	HORIZONTAL

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 07, 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	5723.00	115.98			106.67	8.47	34.44	33.60	100	0	Peak	VERTICAL
2	5723.60	105.86			96.55	8.47	34.44	33.60	100	0	Average	VERTICAL
3	5867.60	62.09	68.20	-6.11	52.54	8.64	34.52	33.61	100	0	Peak	VERTICAL

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

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. 07, 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	5723.00	111.52			102.21	8.47	34.44	33.60	100	0	Peak	VERTICAL
2	5723.00	100.68			91.37	8.47	34.44	33.60	100	0	Average	VERTICAL
3	5859.80	62.19	68.20	-6.01	52.64	8.64	34.52	33.61	100	0	Peak	VERTICAL

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

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. 07, 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	5713.47	105.62			96.28	8.51	34.43	33.60	100	356	Average	VERTICAL
2	5714.05	116.09			106.75	8.51	34.43	33.60	100	356	Peak	VERTICAL
3	5855.79	62.41	68.20	-5.79	52.95	8.56	34.51	33.61	100	356	Peak	VERTICAL

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	Dec. 07, 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	5671.91	112.13			102.68	8.64	34.40	33.59	100	357	Peak	VERTICAL
2	5671.91	101.68			92.23	8.64	34.40	33.59	100	357	Average	VERTICAL
3	5850.00	67.15	68.20	-1.05	57.69	8.56	34.51	33.61	100	357	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 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.04	56.80	74.00	-17.20	51.12	6.64	34.04	35.00	Peak	246	91	HORIZONTAL
2	5150.00	44.85	54.00	-9.15	39.17	6.64	34.04	35.00	Average	246	91	HORIZONTAL
3	5254.71	110.24			104.28	6.75	34.21	35.00	Average	246	91	HORIZONTAL
4	5255.19	120.06			114.10	6.75	34.21	35.00	Peak	246	91	HORIZONTAL
5	5352.31	46.12	54.00	-7.88	39.92	6.84	34.36	35.00	Average	246	91	HORIZONTAL
6	5355.29	58.09	74.00	-15.91	51.86	6.85	34.38	35.00	Peak	246	91	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5294.87	110.09			104.02	6.79	34.28	35.00	Average	222	91	HORIZONTAL
2	5295.83	119.76			113.69	6.79	34.28	35.00	Peak	222	91	HORIZONTAL
3	5355.77	46.59	54.00	-7.41	40.36	6.85	34.38	35.00	Average	222	91	HORIZONTAL
4	5360.58	57.90	74.00	-16.10	51.67	6.85	34.38	35.00	Peak	222	91	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5315.19	108.70			102.58	6.81	34.31	35.00	Average	227	92	HORIZONTAL
2	5316.64	118.74			112.62	6.81	34.31	35.00	Peak	227	92	HORIZONTAL
3	5350.00	52.90	54.00	-1.10	46.70	6.84	34.36	35.00	Average	227	92	HORIZONTAL
4	5350.13	68.22	74.00	-5.78	62.02	6.84	34.36	35.00	Peak	227	92	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.49	50.01	54.00	-3.99	43.48	6.99	34.53	34.99	Average	182	125	VERTICAL
2	5459.46	64.37	74.00	-9.63	57.84	6.99	34.53	34.99	Peak	182	125	VERTICAL
3	5470.00	52.53	54.00	-1.47	45.95	7.02	34.55	34.99	Average	182	125	VERTICAL
4	5470.00	64.27	74.00	-9.73	57.69	7.02	34.55	34.99	Peak	182	125	VERTICAL
5	5497.76	108.49			101.81	7.07	34.60	34.99	Average	182	125	VERTICAL
6	5498.08	118.43			111.75	7.07	34.60	34.99	Peak	182	125	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5416.54	59.41	74.00	-14.59	52.98	6.94	34.48	34.99	Peak	177	75	HORIZONTAL
2	5460.00	45.13	54.00	-8.87	38.60	6.99	34.53	34.99	Average	177	75	HORIZONTAL
3	5470.00	45.36	54.00	-8.64	38.78	7.02	34.55	34.99	Average	177	75	HORIZONTAL
4	5470.00	56.23	74.00	-17.77	49.65	7.02	34.55	34.99	Peak	177	75	HORIZONTAL
5	5572.79	110.71			103.92	7.18	34.61	35.00	Average	177	75	HORIZONTAL
6	5572.79	120.19			113.40	7.18	34.61	35.00	Peak	177	75	HORIZONTAL
7	5725.00	45.59	54.00	-8.41	38.98	6.99	34.65	35.03	Average	177	75	HORIZONTAL
8	5733.01	56.39	74.00	-17.61	49.79	6.99	34.65	35.04	Peak	177	75	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5692.79	108.99			102.33	7.05	34.64	35.03	Average	180	72	HORIZONTAL
2	5693.11	119.03			112.37	7.05	34.64	35.03	Peak	180	72	HORIZONTAL
3	5730.77	52.63	54.00	-1.37	46.03	6.99	34.65	35.04	Average	180	72	HORIZONTAL
4	5730.77	65.98	74.00	-8.02	59.38	6.99	34.65	35.04	Peak	180	72	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 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.19	57.40	74.00	-16.60	51.72	6.64	34.04	35.00	Peak	229	92	HORIZONTAL
2	5148.94	45.17	54.00	-8.83	39.49	6.64	34.04	35.00	Average	229	92	HORIZONTAL
3	5253.75	119.47			113.51	6.75	34.21	35.00	Peak	229	92	HORIZONTAL
4	5254.71	109.95			103.99	6.75	34.21	35.00	Average	229	92	HORIZONTAL
5	5350.87	45.95	54.00	-8.05	39.75	6.84	34.36	35.00	Average	229	92	HORIZONTAL
6	5351.92	57.47	74.00	-16.53	51.27	6.84	34.36	35.00	Peak	229	92	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5291.99	107.37			101.33	6.78	34.26	35.00	Average	229	100	VERTICAL
2	5292.31	116.62			110.58	6.78	34.26	35.00	Peak	229	100	VERTICAL
3	5352.56	59.12	74.00	-14.88	52.92	6.84	34.36	35.00	Peak	229	100	VERTICAL
4	5352.89	47.23	54.00	-6.77	41.03	6.84	34.36	35.00	Average	229	100	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5315.51	119.43			113.31	6.81	34.31	35.00	Peak	241	92	HORIZONTAL
2	5315.67	108.91			102.79	6.81	34.31	35.00	Average	241	92	HORIZONTAL
3	5355.90	52.63	54.00	-1.37	46.40	6.85	34.38	35.00	Average	241	92	HORIZONTAL
4	5356.86	66.31	74.00	-7.69	60.08	6.85	34.38	35.00	Peak	241	92	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. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5453.53	67.99	74.00	-6.01	61.46	6.99	34.53	34.99	Peak	174	77	HORIZONTAL
2	5454.17	50.64	54.00	-3.36	44.11	6.99	34.53	34.99	Average	174	77	HORIZONTAL
3	5470.00	52.79	54.00	-1.21	46.21	7.02	34.55	34.99	Average	174	77	HORIZONTAL
4	5470.00	64.04	74.00	-9.96	57.46	7.02	34.55	34.99	Peak	174	77	HORIZONTAL
5	5492.95	109.62			102.98	7.05	34.58	34.99	Average	174	77	HORIZONTAL
6	5493.59	119.99			113.35	7.05	34.58	34.99	Peak	174	77	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5410.13	58.32	74.00	-15.68	51.95	6.91	34.45	34.99	Peak	182	78	HORIZONTAL
2	5460.00	45.22	54.00	-8.78	38.69	6.99	34.53	34.99	Average	182	78	HORIZONTAL
3	5470.00	45.43	54.00	-8.57	38.85	7.02	34.55	34.99	Average	182	78	HORIZONTAL
4	5470.00	56.64	74.00	-17.36	50.06	7.02	34.55	34.99	Peak	182	78	HORIZONTAL
5	5571.67	111.55			104.76	7.18	34.61	35.00	Average	182	78	HORIZONTAL
6	5572.31	120.34			113.55	7.18	34.61	35.00	Peak	182	78	HORIZONTAL
7	5725.00	45.58	54.00	-8.42	38.97	6.99	34.65	35.03	Average	182	78	HORIZONTAL
8	5725.00	55.96	74.00	-18.04	49.35	6.99	34.65	35.03	Peak	182	78	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5693.11	108.00			101.34	7.05	34.64	35.03	Average	190	73	HORIZONTAL
2	5693.59	118.40			111.74	7.05	34.64	35.03	Peak	190	73	HORIZONTAL
3	5725.00	52.92	54.00	-1.08	46.31	6.99	34.65	35.03	Average	190	73	HORIZONTAL
4	5725.16	67.48	74.00	-6.52	60.87	6.99	34.65	35.03	Peak	190	73	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	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5273.85	116.69			110.69	6.76	34.24	35.00	Peak	167	102	VERTICAL
2	5274.33	107.94			101.94	6.76	34.24	35.00	Average	167	102	VERTICAL
3	5354.62	64.02	74.00	-9.98	57.79	6.85	34.38	35.00	Peak	167	102	VERTICAL
4	5355.58	52.64	54.00	-1.36	46.41	6.85	34.38	35.00	Average	167	102	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5300.39	101.89			95.82	6.79	34.28	35.00	Average	276	102	VERTICAL
2	5301.03	111.76			105.69	6.79	34.28	35.00	Peak	276	102	VERTICAL
3	5359.36	52.72	54.00	-1.28	46.49	6.85	34.38	35.00	Average	276	102	VERTICAL
4	5360.00	65.69	74.00	-8.31	59.46	6.85	34.38	35.00	Peak	276	102	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. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	48.92	54.00	-5.08	42.39	6.99	34.53	34.99	Average	175	78	HORIZONTAL
2	5460.00	61.30	74.00	-12.70	54.77	6.99	34.53	34.99	Peak	175	78	HORIZONTAL
3	5470.00	52.77	54.00	-1.23	46.19	7.02	34.55	34.99	Average	175	78	HORIZONTAL
4	5470.00	68.56	74.00	-5.44	61.98	7.02	34.55	34.99	Peak	175	78	HORIZONTAL
5	5500.39	103.40			96.72	7.07	34.60	34.99	Average	175	78	HORIZONTAL
6	5501.35	113.93			107.25	7.07	34.60	34.99	Peak	175	78	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.14	65.16	74.00	-8.84	58.63	6.99	34.53	34.99	Peak	173	77	HORIZONTAL
2	5460.00	52.77	54.00	-1.23	46.24	6.99	34.53	34.99	Average	173	77	HORIZONTAL
3	5470.00	49.96	54.00	-4.04	43.38	7.02	34.55	34.99	Average	173	77	HORIZONTAL
4	5470.00	60.56	74.00	-13.44	53.98	7.02	34.55	34.99	Peak	173	77	HORIZONTAL
5	5540.39	108.71			101.97	7.13	34.61	35.00	Average	173	77	HORIZONTAL
6	5541.35	118.64			111.90	7.13	34.61	35.00	Peak	173	77	HORIZONTAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5667.76	104.12			97.40	7.11	34.63	35.02	Average	201	112	VERTICAL
2	5668.72	114.71			107.99	7.11	34.63	35.02	Peak	201	112	VERTICAL
3	5727.05	52.91	54.00	-1.09	46.31	6.99	34.65	35.04	Average	201	112	VERTICAL
4	5727.37	66.86	74.00	-7.14	60.26	6.99	34.65	35.04	Peak	201	112	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. 22, 2015 ~ Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5142.56	57.36	74.00	-16.64	51.68	6.64	34.04	35.00	Peak	239	90	HORIZONTAL
2	5150.00	45.00	54.00	-9.00	39.32	6.64	34.04	35.00	Average	239	90	HORIZONTAL
3	5284.39	105.80			99.76	6.78	34.26	35.00	Peak	239	90	HORIZONTAL
4	5285.19	96.29			90.25	6.78	34.26	35.00	Average	239	90	HORIZONTAL
5	5350.90	65.31	74.00	-8.69	59.11	6.84	34.36	35.00	Peak	239	90	HORIZONTAL
6	5366.92	52.71	54.00	-1.29	46.47	6.85	34.38	34.99	Average	239	90	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.69	67.36	74.00	-6.64	60.83	6.99	34.53	34.99	Peak	173	78	HORIZONTAL
2	5460.00	52.68	54.00	-1.32	46.15	6.99	34.53	34.99	Average	173	78	HORIZONTAL
3	5470.00	48.40	54.00	-5.60	41.82	7.02	34.55	34.99	Average	173	78	HORIZONTAL
4	5470.00	61.96	74.00	-12.04	55.38	7.02	34.55	34.99	Peak	173	78	HORIZONTAL
5	5561.25	95.66			88.87	7.18	34.61	35.00	Average	173	78	HORIZONTAL
6	5561.25	105.36			98.57	7.18	34.61	35.00	Peak	173	78	HORIZONTAL
7	5725.00	45.70	54.00	-8.30	39.09	6.99	34.65	35.03	Average	173	78	HORIZONTAL
8	5732.21	57.04	74.00	-16.96	50.44	6.99	34.65	35.04	Peak	173	78	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5453.75	50.72	54.00	-3.28	44.19	6.99	34.53	34.99	Average	173	106	VERTICAL
2	5453.75	63.28	74.00	-10.72	56.75	6.99	34.53	34.99	Peak	173	106	VERTICAL
3	5465.77	66.07	74.00	-7.93	59.49	7.02	34.55	34.99	Peak	173	106	VERTICAL
4	5466.57	52.38	54.00	-1.62	45.80	7.02	34.55	34.99	Average	173	106	VERTICAL
5	5586.76	111.74			104.92	7.21	34.62	35.01	Peak	173	106	VERTICAL
6	5587.56	101.18			94.36	7.21	34.62	35.01	Average	173	106	VERTICAL
7	5727.79	65.99	74.00	-8.01	59.39	6.99	34.65	35.04	Peak	173	106	VERTICAL
8	5728.59	52.96	54.00	-1.04	46.36	6.99	34.65	35.04	Average	173	106	VERTICAL

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.95	112.14			105.51	7.02	34.64	35.03	Average	182	72	HORIZONTAL
2	5713.59	123.11			116.48	7.02	34.64	35.03	Peak	182	72	HORIZONTAL
3	5850.00	45.36	54.00	-8.64	38.90	6.85	34.67	35.06	Average	182	72	HORIZONTAL
4	5876.41	56.90	74.00	-17.10	50.43	6.85	34.68	35.06	Peak	182	72	HORIZONTAL

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

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. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.95	112.10			105.47	7.02	34.64	35.03	Average	195	76	HORIZONTAL
2	5713.59	122.79			116.16	7.02	34.64	35.03	Peak	195	76	HORIZONTAL
3	5850.00	45.55	54.00	-8.45	39.09	6.85	34.67	35.06	Average	195	76	HORIZONTAL
4	5860.26	56.89	74.00	-17.11	50.43	6.85	34.67	35.06	Peak	195	76	HORIZONTAL

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

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. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5702.31	119.51			112.85	7.05	34.64	35.03	Peak	204	74	HORIZONTAL
2	5702.95	109.72			103.06	7.05	34.64	35.03	Average	204	74	HORIZONTAL
3	5850.00	46.73	54.00	-7.27	40.27	6.85	34.67	35.06	Average	204	74	HORIZONTAL
4	5863.21	57.96	74.00	-16.04	51.50	6.85	34.67	35.06	Peak	204	74	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. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5661.96	115.76			109.04	7.11	34.63	35.02	Peak	175	74	HORIZONTAL
2	5702.02	105.46			98.80	7.05	34.64	35.03	Average	175	74	HORIZONTAL
3	5850.00	67.73	74.00	-6.27	61.27	6.85	34.67	35.06	Peak	175	74	HORIZONTAL
4	5863.88	52.97	54.00	-1.03	46.51	6.85	34.67	35.06	Average	175	74	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.12	59.74	74.00	-14.26	54.06	6.64	34.04	35.00	Peak	201	167	VERTICAL
2	5147.50	49.02	54.00	-4.98	43.34	6.64	34.04	35.00	Average	201	167	VERTICAL
3	5254.71	115.40			109.44	6.75	34.21	35.00	Average	201	167	VERTICAL
4	5255.19	126.53			120.57	6.75	34.21	35.00	Peak	201	167	VERTICAL
5	5350.00	50.73	54.00	-3.27	44.53	6.84	34.36	35.00	Average	201	167	VERTICAL
6	5350.00	63.01	74.00	-10.99	56.81	6.84	34.36	35.00	Peak	201	167	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5303.21	115.17			109.10	6.79	34.28	35.00	Average	136	182	HORIZONTAL
2	5303.21	125.36			119.29	6.79	34.28	35.00	Peak	136	182	HORIZONTAL
3	5350.32	52.98	54.00	-1.02	46.78	6.84	34.36	35.00	Average	136	182	HORIZONTAL
4	5352.24	65.55	74.00	-8.45	59.35	6.84	34.36	35.00	Peak	136	182	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5322.72	110.37			104.25	6.81	34.31	35.00	Average	160	182	HORIZONTAL
2	5323.21	120.83			114.71	6.81	34.31	35.00	Peak	160	182	HORIZONTAL
3	5350.45	52.18	54.00	-1.82	45.98	6.84	34.36	35.00	Average	160	182	HORIZONTAL
4	5350.93	65.00	74.00	-9.00	58.80	6.84	34.36	35.00	Peak	160	182	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5456.73	59.90	74.00	-14.10	53.37	6.99	34.53	34.99	Peak	247	181	HORIZONTAL
2	5458.97	47.89	54.00	-6.11	41.36	6.99	34.53	34.99	Average	247	181	HORIZONTAL
3	5466.99	66.79	74.00	-7.21	60.21	7.02	34.55	34.99	Peak	247	181	HORIZONTAL
4	5467.31	52.84	54.00	-1.16	46.26	7.02	34.55	34.99	Average	247	181	HORIZONTAL
5	5505.45	121.43			114.75	7.07	34.60	34.99	Peak	247	181	HORIZONTAL
6	5505.77	110.84			104.16	7.07	34.60	34.99	Average	247	181	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5455.99	58.51	74.00	-15.49	51.98	6.99	34.53	34.99	Peak	203	193	VERTICAL
2	5460.00	45.86	54.00	-8.14	39.33	6.99	34.53	34.99	Average	203	193	VERTICAL
3	5464.39	58.20	74.00	-15.80	51.62	7.02	34.55	34.99	Peak	203	193	VERTICAL
4	5470.00	45.96	54.00	-8.04	39.38	7.02	34.55	34.99	Average	203	193	VERTICAL
5	5572.79	114.47			107.68	7.18	34.61	35.00	Average	203	193	VERTICAL
6	5572.79	124.21			117.42	7.18	34.61	35.00	Peak	203	193	VERTICAL
7	5725.00	45.91	54.00	-8.09	39.30	6.99	34.65	35.03	Average	203	193	VERTICAL
8	5727.40	57.84	74.00	-16.16	51.24	6.99	34.65	35.04	Peak	203	193	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5694.55	109.91			103.25	7.05	34.64	35.03	Average	218	173	VERTICAL
2	5695.83	119.77			113.11	7.05	34.64	35.03	Peak	218	173	VERTICAL
3	5725.00	52.14	54.00	-1.86	45.53	6.99	34.65	35.03	Average	218	173	VERTICAL
4	5725.32	64.63	74.00	-9.37	58.02	6.99	34.65	35.03	Peak	218	173	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 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	45.05	54.00	-8.95	39.37	6.64	34.04	35.00	Average	195	187	VERTICAL
2	5150.00	58.00	74.00	-16.00	52.32	6.64	34.04	35.00	Peak	195	187	VERTICAL
3	5253.75	123.59			117.63	6.75	34.21	35.00	Peak	195	187	VERTICAL
4	5254.71	113.11			107.15	6.75	34.21	35.00	Average	195	187	VERTICAL
5	5350.00	47.11	54.00	-6.89	40.91	6.84	34.36	35.00	Average	195	187	VERTICAL
6	5351.83	59.20	74.00	-14.80	53.00	6.84	34.36	35.00	Peak	195	187	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5302.89	113.57			107.50	6.79	34.28	35.00	Average	182	182	HORIZONTAL
2	5303.85	123.62			117.55	6.79	34.28	35.00	Peak	182	182	HORIZONTAL
3	5350.00	51.66	54.00	-2.34	45.46	6.84	34.36	35.00	Average	182	182	HORIZONTAL
4	5351.60	64.26	74.00	-9.74	58.06	6.84	34.36	35.00	Peak	182	182	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5321.60	120.15			114.03	6.81	34.31	35.00	Peak	153	184	HORIZONTAL
2	5322.56	108.54			102.42	6.81	34.31	35.00	Average	153	184	HORIZONTAL
3	5350.00	52.85	54.00	-1.15	46.65	6.84	34.36	35.00	Average	153	184	HORIZONTAL
4	5351.73	65.45	74.00	-8.55	59.25	6.84	34.36	35.00	Peak	153	184	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. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5454.17	49.15	54.00	-4.85	42.62	6.99	34.53	34.99	Average	179	170	VERTICAL
2	5454.81	62.40	74.00	-11.60	55.87	6.99	34.53	34.99	Peak	179	170	VERTICAL
3	5467.63	52.50	54.00	-1.50	45.92	7.02	34.55	34.99	Average	179	170	VERTICAL
4	5467.95	67.72	74.00	-6.28	61.14	7.02	34.55	34.99	Peak	179	170	VERTICAL
5	5494.23	121.89			115.25	7.05	34.58	34.99	Peak	179	170	VERTICAL
6	5494.55	110.11			103.47	7.05	34.58	34.99	Average	179	170	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5455.19	58.12	74.00	-15.88	51.59	6.99	34.53	34.99	Peak	212	164	HORIZONTAL
2	5460.00	45.43	54.00	-8.57	38.90	6.99	34.53	34.99	Average	212	164	HORIZONTAL
3	5470.00	45.46	54.00	-8.54	38.88	7.02	34.55	34.99	Average	212	164	HORIZONTAL
4	5470.00	57.78	74.00	-16.22	51.20	7.02	34.55	34.99	Peak	212	164	HORIZONTAL
5	5583.21	112.10			105.28	7.21	34.62	35.01	Average	212	164	HORIZONTAL
6	5583.21	124.14			117.32	7.21	34.62	35.01	Peak	212	164	HORIZONTAL
7	5725.00	45.66	54.00	-8.34	39.05	6.99	34.65	35.03	Average	212	164	HORIZONTAL
8	5725.80	57.73	74.00	-16.27	51.12	6.99	34.65	35.03	Peak	212	164	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5701.92	117.81			111.15	7.05	34.64	35.03	Peak	215	187	HORIZONTAL
2	5702.89	106.72			100.06	7.05	34.64	35.03	Average	215	187	HORIZONTAL
3	5725.00	52.22	54.00	-1.78	45.61	6.99	34.65	35.03	Average	215	187	HORIZONTAL
4	5725.00	65.93	74.00	-8.07	59.32	6.99	34.65	35.03	Peak	215	187	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	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5274.01	118.37			112.37	6.76	34.24	35.00	Peak	178	178	HORIZONTAL
2	5274.81	108.97			102.97	6.76	34.24	35.00	Average	178	178	HORIZONTAL
3	5354.94	52.92	54.00	-1.08	46.69	6.85	34.38	35.00	Average	178	178	HORIZONTAL
4	5355.74	65.63	74.00	-8.37	59.40	6.85	34.38	35.00	Peak	178	178	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5304.23	103.75			97.68	6.79	34.28	35.00	Average	200	189	VERTICAL
2	5304.55	114.23			108.16	6.79	34.28	35.00	Peak	200	189	VERTICAL
3	5350.00	52.98	54.00	-1.02	46.78	6.84	34.36	35.00	Average	200	189	VERTICAL
4	5351.67	65.49	74.00	-8.51	59.29	6.84	34.36	35.00	Peak	200	189	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. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.04	60.90	74.00	-13.10	54.37	6.99	34.53	34.99	Peak	236	182	HORIZONTAL
2	5460.00	48.67	54.00	-5.33	42.14	6.99	34.53	34.99	Average	236	182	HORIZONTAL
3	5468.33	67.83	74.00	-6.17	61.25	7.02	34.55	34.99	Peak	236	182	HORIZONTAL
4	5470.00	52.79	54.00	-1.21	46.21	7.02	34.55	34.99	Average	236	182	HORIZONTAL
5	5513.21	104.42			97.71	7.10	34.60	34.99	Average	236	182	HORIZONTAL
6	5513.53	114.54			107.83	7.10	34.60	34.99	Peak	236	182	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5443.43	61.47	74.00	-12.53	55.00	6.96	34.50	34.99	Peak	172	191	VERTICAL
2	5444.23	49.14	54.00	-4.86	42.67	6.96	34.50	34.99	Average	172	191	VERTICAL
3	5464.26	52.60	54.00	-1.40	46.02	7.02	34.55	34.99	Average	172	191	VERTICAL
4	5464.26	63.55	74.00	-10.45	56.97	7.02	34.55	34.99	Peak	172	191	VERTICAL
5	5544.39	109.89			103.12	7.16	34.61	35.00	Average	172	191	VERTICAL
6	5545.19	119.84			113.07	7.16	34.61	35.00	Peak	172	191	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5663.91	107.39			100.67	7.11	34.63	35.02	Average	190	194	VERTICAL
2	5664.87	117.52			110.80	7.11	34.63	35.02	Peak	190	194	VERTICAL
3	5725.00	52.98	54.00	-1.02	46.37	6.99	34.65	35.03	Average	190	194	VERTICAL
4	5725.00	65.18	74.00	-8.82	58.57	6.99	34.65	35.03	Peak	190	194	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. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5084.87	57.64	74.00	-16.36	52.12	6.58	33.95	35.01	Peak	207	189	VERTICAL
2	5150.00	46.05	54.00	-7.95	40.37	6.64	34.04	35.00	Average	207	189	VERTICAL
3	5285.19	97.61			91.57	6.78	34.26	35.00	Average	207	189	VERTICAL
4	5305.22	106.58			100.51	6.79	34.28	35.00	Peak	207	189	VERTICAL
5	5354.10	66.23	74.00	-7.77	60.00	6.85	34.38	35.00	Peak	207	189	VERTICAL
6	5365.32	52.69	54.00	-1.31	46.45	6.85	34.38	34.99	Average	207	189	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5444.26	65.42	74.00	-8.58	58.95	6.96	34.50	34.99	Peak	205	171	VERTICAL
2	5445.06	52.96	54.00	-1.04	46.49	6.96	34.50	34.99	Average	205	171	VERTICAL
3	5465.90	66.93	68.20	-1.27	60.35	7.02	34.55	34.99	Peak	205	171	VERTICAL
4	5522.79	106.54			99.83	7.10	34.60	34.99	Peak	205	171	VERTICAL
5	5523.59	94.74			88.03	7.10	34.60	34.99	Average	205	171	VERTICAL
6	5748.75	59.24	68.20	-8.96	52.68	6.95	34.65	35.04	Peak	205	171	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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	52.80	54.00	-1.20	46.27	6.99	34.53	34.99	Average	200	176	VERTICAL
2	5460.00	63.88	74.00	-10.12	57.35	6.99	34.53	34.99	Peak	200	176	VERTICAL
3	5462.00	66.72	68.20	-1.48	60.19	6.99	34.53	34.99	Peak	200	176	VERTICAL
4	5623.00	104.37			97.56	7.21	34.62	35.02	Average	200	176	VERTICAL
5	5623.00	113.94			107.13	7.21	34.62	35.02	Peak	200	176	VERTICAL
6	5743.00	65.35	68.20	-2.85	58.79	6.95	34.65	35.04	Peak	200	176	VERTICAL

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

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5723.21	113.12			106.51	6.99	34.65	35.03	Average	239	168	HORIZONTAL
2	5723.21	123.50			116.89	6.99	34.65	35.03	Peak	239	168	HORIZONTAL
3	5850.00	45.85	54.00	-8.15	39.39	6.85	34.67	35.06	Average	239	168	HORIZONTAL
4	5866.64	58.41	74.00	-15.59	51.95	6.85	34.67	35.06	Peak	239	168	HORIZONTAL

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

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. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.75	123.83			117.20	7.02	34.64	35.03	Peak	221	175	VERTICAL
2	5714.71	113.26			106.63	7.02	34.64	35.03	Average	221	175	VERTICAL
3	5850.00	45.38	54.00	-8.62	38.92	6.85	34.67	35.06	Average	221	175	VERTICAL
4	5853.37	57.73	74.00	-16.27	51.27	6.85	34.67	35.06	Peak	221	175	VERTICAL

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