Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / 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	11509.88	42.41	54.00	-11.59	27.84	10.27	39.10	34.80	Average	150	252	HORIZONTAL
2	11510.30	55.61	74.00	-18.39	41.04	10.27	39.10	34.80	Peak	150	252	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	11510.07	42.73	54.00	-11.27	28.16	10.27	39.10	34.80	Average	150	138	VERTICAL
2	11510.43	56.10	74.00	-17.90	41.53	10.27	39.10	34.80	Peak	150	138	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / 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	11589.55	55.38	74.00	-18.62	40.74	10.31	39.15	34.82	Peak	150	39	HORIZONTAL
2	11589.72	42.54	54.00	-11.46	27.90	10.31	39.15	34.82	Average	150	39	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	11589.60	42.82	54.00	-11.18	28.18	10.31	39.15	34.82	Average	150	211	VERTICAL
2	11590.01	55.54	74.00	-18.46	40.90	10.31	39.15	34.82	Peak	150	211	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / 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	15629.66	60.78	74.00	-13.22	44.09	13.83	38.11	35.25	Peak	150	239	HORIZONTAL
2	15629.96	48.08	54.00	-5.92	31.39	13.83	38.11	35.25	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	15629.62	48.22	54.00	-5.78	31.53	13.83	38.11	35.25	Average	150	337	VERTICAL
2	15629.83	61.27	74.00	-12.73	44.58	13.83	38.11	35.25	Peak	150	337	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / 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	11549.96	55.68	74.00	-18.32	41.07	10.29	39.13	34.81	Peak	150	109	HORIZONTAL
2	11550.49	42.85	54.00	-11.15	28.24	10.29	39.13	34.81	Average	150	109	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	11550.72	42.76	54.00	-11.24	28.15	10.29	39.13	34.81	Average	150	269	VERTICAL
2	11551.64	55.29	74.00	-18.71	40.68	10.29	39.13	34.81	Peak	150	269	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 36 / 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	15539.09	46.69	54.00	-7.31	29.82	13.84	38.24	35.21	Average	150	41	HORIZONTAL
2	15540.10	60.72	74.00	-13.28	43.85	13.84	38.24	35.21	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	15540.70	60.58	74.00	-13.42	43.71	13.84	38.24	35.21	Peak	150	12	VERTICAL
2	15540.72	46.85	54.00	-7.15	29.98	13.84	38.24	35.21	Average	150	12	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / 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	15599.29	60.00	74.00	-14.00	43.23	13.83	38.17	35.23	Peak	150	90	HORIZONTAL
2	15600.52	46.32	54.00	-7.68	29.61	13.83	38.11	35.23	Average	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	15600.21	46.30	54.00	-7.70	29.53	13.83	38.17	35.23	Average	150	61	VERTICAL
2	15600.29	60.13	74.00	-13.87	43.36	13.83	38.17	35.23	Peak	150	61	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / 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	15719.76	46.25	54.00	-7.75	29.75	13.82	37.98	35.30	Average	150	130	HORIZONTAL
2	15720.09	60.07	74.00	-13.93	43.57	13.82	37.98	35.30	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	15719.78	46.28	54.00	-7.72	29.78	13.82	37.98	35.30	Average	150	111	VERTICAL
2	15720.76	59.49	74.00	-14.51	42.99	13.82	37.98	35.30	Peak	150	111	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / 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	11489.51	56.84	74.00	-17.16	42.29	10.25	39.10	34.80	Peak	150	210	HORIZONTAL
2	11490.98	43.28	54.00	-10.72	28.73	10.25	39.10	34.80	Average	150	210	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	11489.27	43.37	54.00	-10.63	28.82	10.25	39.10	34.80	Average	150	235	VERTICAL
2	11489.66	57.38	74.00	-16.62	42.83	10.25	39.10	34.80	Peak	150	235	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / 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	11569.13	56.12	74.00	-17.88	41.51	10.29	39.14	34.82	Peak	150	159	HORIZONTAL
2	11570.80	42.63	54.00	-11.37	28.02	10.29	39.14	34.82	Average	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	11569.57	55.96	74.00	-18.04	41.35	10.29	39.14	34.82	Peak	150	186	VERTICAL
2	11570.37	42.60	54.00	-11.40	27.99	10.29	39.14	34.82	Average	150	186	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / 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	11649.65	56.91	74.00	-17.09	42.25	10.32	39.18	34.84	Peak	150	118	HORIZONTAL
2	11649.70	43.21	54.00	-10.79	28.55	10.32	39.18	34.84	Average	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	11649.67	56.37	74.00	-17.63	41.71	10.32	39.18	34.84	Peak	150	132	VERTICAL
2	11650.23	43.19	54.00	-10.81	28.53	10.32	39.18	34.84	Average	150	132	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / 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	15539.95	46.55	54.00	-7.45	29.68	13.84	38.24	35.21	Average	150	71	HORIZONTAL
2	15540.25	59.72	74.00	-14.28	42.85	13.84	38.24	35.21	Peak	150	71	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.29	60.77	74.00	-13.23	43.90	13.84	38.24	35.21	Peak	150	95	VERTICAL
2	15540.40	46.53	54.00	-7.47	29.66	13.84	38.24	35.21	Average	150	95	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / 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	15599.28	59.76	74.00	-14.24	42.99	13.83	38.17	35.23	Peak	150	28	HORIZONTAL
2	15600.23	46.28	54.00	-7.72	29.51	13.83	38.17	35.23	Average	150	28	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	15599.85	46.40	54.00	-7.60	29.63	13.83	38.17	35.23	Average	150	57	VERTICAL
2	15600.55	59.03	74.00	-14.97	42.32	13.83	38.11	35.23	Peak	150	57	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / 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	15720.03	46.25	54.00	-7.75	29.75	13.82	37.98	35.30	Average	150	74	HORIZONTAL
2	15720.83	59.86	74.00	-14.14	43.36	13.82	37.98	35.30	Peak	150	74	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.50	46.18	54.00	-7.82	29.68	13.82	37.98	35.30	Average	150	52	VERTICAL
2	15720.98	59.53	74.00	-14.47	43.03	13.82	37.98	35.30	Peak	150	52	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / 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	11489.38	43.33	54.00	-10.67	28.78	10.25	39.10	34.80	Average	150	238	HORIZONTAL
2	11490.68	57.13	74.00	-16.87	42.58	10.25	39.10	34.80	Peak	150	238	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	11489.49	56.39	74.00	-17.61	41.84	10.25	39.10	34.80	Peak	150	267	VERTICAL
2	11489.93	43.38	54.00	-10.62	28.83	10.25	39.10	34.80	Average	150	267	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / 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	11569.19	56.70	74.00	-17.30	42.09	10.29	39.14	34.82	Peak	150	192	HORIZONTAL
2	11570.94	42.89	54.00	-11.11	28.28	10.29	39.14	34.82	Average	150	192	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	11569.43	42.61	54.00	-11.39	28.00	10.29	39.14	34.82	Average	150	211	VERTICAL
2	11569.70	55.67	74.00	-18.33	41.06	10.29	39.14	34.82	Peak	150	211	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / 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	11650.79	56.75	74.00	-17.25	42.06	10.33	39.20	34.84	Peak	150	148	HORIZONTAL
2	11650.84	43.08	54.00	-10.92	28.39	10.33	39.20	34.84	Average	150	148	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	11649.69	56.47	74.00	-17.53	41.81	10.32	39.18	34.84	Peak	150	169	VERTICAL
2	11649.78	43.07	54.00	-10.93	28.41	10.32	39.18	34.84	Average	150	169	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / 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	15570.64	59.86	74.00	-14.14	43.09	13.83	38.17	35.23	Peak	150	103	HORIZONTAL
2	15570.81	46.55	54.00	-7.45	29.78	13.83	38.17	35.23	Average	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	15569.45	59.95	74.00	-14.05	43.18	13.83	38.17	35.23	Peak	150	123	VERTICAL
2	15569.66	46.59	54.00	-7.41	29.82	13.83	38.17	35.23	Average	150	123	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / 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	15689.51	59.75	74.00	-14.25	43.15	13.83	38.05	35.28	Peak	150	66	HORIZONTAL
2	15690.09	46.63	54.00	-7.37	30.03	13.83	38.05	35.28	Average	150	66	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	15689.64	60.47	74.00	-13.53	43.87	13.83	38.05	35.28	Peak	150	88	VERTICAL
2	15690.70	46.66	54.00	-7.34	30.06	13.83	38.05	35.28	Average	150	88	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / 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	11509.39	56.55	74.00	-17.45	42.01	10.25	39.10	34.81	Peak	150	294	HORIZONTAL
2	11509.71	43.12	54.00	-10.88	28.58	10.25	39.10	34.81	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	11510.60	56.70	74.00	-17.30	42.16	10.25	39.10	34.81	Peak	150	273	VERTICAL
2	11510.90	43.18	54.00	-10.82	28.64	10.25	39.10	34.81	Average	150	273	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / 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	11589.75	43.02	54.00	-10.98	28.39	10.30	39.16	34.83	Average	150	328	HORIZONTAL
2	11590.46	57.18	74.00	-16.82	42.55	10.30	39.16	34.83	Peak	150	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	11589.20	56.36	74.00	-17.64	41.73	10.30	39.16	34.83	Peak	150	315	VERTICAL
2	11589.44	42.78	54.00	-11.22	28.15	10.30	39.16	34.83	Average	150	315	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / 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	15629.09	60.40	74.00	-13.60	43.72	13.83	38.11	35.26	Peak	150	326	HORIZONTAL
2	15630.49	46.17	54.00	-7.83	29.49	13.83	38.11	35.26	Average	150	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	15629.51	59.40	74.00	-14.60	42.72	13.83	38.11	35.26	Peak	150	345	VERTICAL
2	15630.54	46.27	54.00	-7.73	29.59	13.83	38.11	35.26	Average	150	345	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / 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	11549.74	43.06	54.00	-10.94	28.49	10.27	39.12	34.82	Average	150	98	HORIZONTAL
2	11550.25	56.29	74.00	-17.71	41.68	10.29	39.14	34.82	Peak	150	98	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	11549.27	56.01	74.00	-17.99	41.44	10.27	39.12	34.82	Peak	150	127	VERTICAL
2	11549.67	42.94	54.00	-11.06	28.37	10.27	39.12	34.82	Average	150	127	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 36 / 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	15539.16	47.17	54.00	-6.83	30.30	13.84	38.24	35.21	Average	150	323	HORIZONTAL
2	15539.68	60.42	74.00	-13.58	43.55	13.84	38.24	35.21	Peak	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	15539.79	60.45	74.00	-13.55	43.58	13.84	38.24	35.21	Peak	150	341	VERTICAL
2	15540.79	47.15	54.00	-6.85	30.28	13.84	38.24	35.21	Average	150	341	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / 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	15599.20	46.92	54.00	-7.08	30.15	13.83	38.17	35.23	Average	150	284	HORIZONTAL
2	15599.31	60.38	74.00	-13.62	43.61	13.83	38.17	35.23	Peak	150	284	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.45	60.67	74.00	-13.33	43.90	13.83	38.17	35.23	Peak	150	309	VERTICAL
2	15600.91	46.95	54.00	-7.05	30.24	13.83	38.11	35.23	Average	150	309	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / 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	15720.31	59.91	74.00	-14.09	43.41	13.82	37.98	35.30	Peak	150	247	HORIZONTAL
2	15720.53	46.58	54.00	-7.42	30.08	13.82	37.98	35.30	Average	150	247	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.22	46.74	54.00	-7.26	30.24	13.82	37.98	35.30	Average	150	265	VERTICAL
2	15720.57	60.24	74.00	-13.76	43.74	13.82	37.98	35.30	Peak	150	265	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / 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	11489.44	57.05	74.00	-16.95	42.50	10.25	39.10	34.80	Peak	150	215	HORIZONTAL
2	11490.71	44.06	54.00	-9.94	29.51	10.25	39.10	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	11490.20	43.90	54.00	-10.10	29.35	10.25	39.10	34.80	Average	150	193	VERTICAL
2	11490.38	58.02	74.00	-15.98	43.47	10.25	39.10	34.80	Peak	150	193	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / 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	11570.56	57.37	74.00	-16.63	42.76	10.29	39.14	34.82	Peak	150	268	HORIZONTAL
2	11570.66	43.43	54.00	-10.57	28.82	10.29	39.14	34.82	Average	150	268	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	11569.46	43.49	54.00	-10.51	28.88	10.29	39.14	34.82	Average	150	241	VERTICAL
2	11570.71	56.48	74.00	-17.52	41.87	10.29	39.14	34.82	Peak	150	241	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / 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	11649.77	43.55	54.00	-10.45	28.89	10.32	39.18	34.84	Average	150	305	HORIZONTAL
2	11649.94	56.81	74.00	-17.19	42.15	10.32	39.18	34.84	Peak	150	305	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	11649.60	43.67	54.00	-10.33	29.01	10.32	39.18	34.84	Average	150	286	VERTICAL
2	11649.73	56.84	74.00	-17.16	42.18	10.32	39.18	34.84	Peak	150	286	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / 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	15540.06	60.43	74.00	-13.57	43.56	13.84	38.24	35.21	Peak	150	352	HORIZONTAL
2	15540.96	46.99	54.00	-7.01	30.12	13.84	38.24	35.21	Average	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	15540.39	60.62	74.00	-13.38	43.75	13.84	38.24	35.21	Peak	150	328	VERTICAL
2	15540.42	47.14	54.00	-6.86	30.27	13.84	38.24	35.21	Average	150	328	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / 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	15599.49	60.93	74.00	-13.07	44.16	13.83	38.17	35.23	Peak	150	300	HORIZONTAL
2	15600.63	46.91	54.00	-7.09	30.20	13.83	38.11	35.23	Average	150	300	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	15599.24	46.79	54.00	-7.21	30.02	13.83	38.17	35.23	Average	150	328	VERTICAL
2	15600.62	60.40	74.00	-13.60	43.69	13.83	38.11	35.23	Peak	150	328	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / 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	15719.02	60.41	74.00	-13.59	43.91	13.82	37.98	35.30	Peak	150	245	HORIZONTAL
2	15719.34	46.54	54.00	-7.46	30.04	13.82	37.98	35.30	Average	150	245	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	15720.17	60.31	74.00	-13.69	43.81	13.82	37.98	35.30	Peak	150	273	VERTICAL
2	15720.77	46.61	54.00	-7.39	30.11	13.82	37.98	35.30	Average	150	273	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / 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	11490.50	43.95	54.00	-10.05	29.40	10.25	39.10	34.80	Average	150	278	HORIZONTAL
2	11490.83	57.12	74.00	-16.88	42.57	10.25	39.10	34.80	Peak	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	11490.33	57.27	74.00	-16.73	42.72	10.25	39.10	34.80	Peak	150	258	VERTICAL
2	11490.48	43.88	54.00	-10.12	29.33	10.25	39.10	34.80	Average	150	258	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / 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	11569.15	56.97	74.00	-17.03	42.36	10.29	39.14	34.82	Peak	150	318	HORIZONTAL
2	11570.94	43.57	54.00	-10.43	28.96	10.29	39.14	34.82	Average	150	318	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	11570.29	56.91	74.00	-17.09	42.30	10.29	39.14	34.82	Peak	150	298	VERTICAL
2	11570.55	43.47	54.00	-10.53	28.86	10.29	39.14	34.82	Average	150	298	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / 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	11649.83	43.64	54.00	-10.36	28.98	10.32	39.18	34.84	Average	150	357	HORIZONTAL
2	11650.26	56.99	74.00	-17.01	42.33	10.32	39.18	34.84	Peak	150	357	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	11649.07	57.17	74.00	-16.83	42.51	10.32	39.18	34.84	Peak	150	340	VERTICAL
2	11649.17	43.58	54.00	-10.42	28.92	10.32	39.18	34.84	Average	150	340	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / 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	15570.54	60.73	74.00	-13.27	43.96	13.83	38.17	35.23	Peak	150	302	HORIZONTAL
2	15570.92	46.85	54.00	-7.15	30.08	13.83	38.17	35.23	Average	150	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	15570.22	60.63	74.00	-13.37	43.86	13.83	38.17	35.23	Peak	150	328	VERTICAL
2	15570.38	46.76	54.00	-7.24	29.99	13.83	38.17	35.23	Average	150	328	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / 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	15689.84	47.06	54.00	-6.94	30.46	13.83	38.05	35.28	Average	150	262	HORIZONTAL
2	15690.66	60.86	74.00	-13.14	44.26	13.83	38.05	35.28	Peak	150	262	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	15689.33	60.62	74.00	-13.38	44.02	13.83	38.05	35.28	Peak	150	282	VERTICAL
2	15690.42	46.90	54.00	-7.10	30.30	13.83	38.05	35.28	Average	150	282	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / 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	11509.18	43.89	54.00	-10.11	29.35	10.25	39.10	34.81	Average	150	127	HORIZONTAL
2	11509.74	56.99	74.00	-17.01	42.45	10.25	39.10	34.81	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	11509.24	43.71	54.00	-10.29	29.17	10.25	39.10	34.81	Average	150	96	VERTICAL
2	11509.53	57.25	74.00	-16.75	42.71	10.25	39.10	34.81	Peak	150	96	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / 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	11589.22	56.72	74.00	-17.28	42.09	10.30	39.16	34.83	Peak	150	176	HORIZONTAL
2	11590.83	43.38	54.00	-10.62	28.75	10.30	39.16	34.83	Average	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	11590.74	57.35	74.00	-16.65	42.72	10.30	39.16	34.83	Peak	150	150	VERTICAL
2	11590.94	43.81	54.00	-10.19	29.18	10.30	39.16	34.83	Average	150	150	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / 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	15629.83	60.49	74.00	-13.51	43.81	13.83	38.11	35.26	Peak	150	221	HORIZONTAL
2	15630.17	46.75	54.00	-7.25	30.07	13.83	38.11	35.26	Average	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	15630.13	60.82	74.00	-13.18	44.14	13.83	38.11	35.26	Peak	150	201	VERTICAL
2	15630.55	46.91	54.00	-7.09	30.23	13.83	38.11	35.26	Average	150	201	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / 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	11549.56	43.80	54.00	-10.20	29.23	10.27	39.12	34.82	Average	150	146	HORIZONTAL
2	11550.77	57.56	74.00	-16.44	42.95	10.29	39.14	34.82	Peak	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	11549.86	43.83	54.00	-10.17	29.26	10.27	39.12	34.82	Average	150	182	VERTICAL
2	11550.92	57.27	74.00	-16.73	42.66	10.29	39.14	34.82	Peak	150	182	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 36 / 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	15538.73	48.39	54.00	-5.61	31.50	13.84	38.25	35.20	Average	150	312	HORIZONTAL
2	15539.25	62.78	74.00	-11.22	45.89	13.84	38.25	35.20	Peak	150	312	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	15539.58	62.28	74.00	-11.72	45.39	13.84	38.25	35.20	Peak	150	331	VERTICAL
2	15542.01	48.33	54.00	-5.67	31.44	13.84	38.25	35.20	Average	150	331	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / 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	15598.49	61.59	74.00	-12.41	44.82	13.83	38.16	35.22	Peak	150	272	HORIZONTAL
2	15598.94	48.39	54.00	-5.61	31.64	13.83	38.16	35.24	Average	150	272	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	15597.60	48.50	54.00	-5.50	31.73	13.83	38.16	35.22	Average	150	293	VERTICAL
2	15598.68	62.03	74.00	-11.97	45.26	13.83	38.16	35.22	Peak	150	293	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / 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	15721.09	47.38	54.00	-6.62	30.85	13.82	37.99	35.28	Average	150	231	HORIZONTAL
2	15722.08	60.90	74.00	-13.10	44.37	13.82	37.99	35.28	Peak	150	231	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	15719.44	47.48	54.00	-6.52	30.95	13.82	37.99	35.28	Average	150	252	VERTICAL
2	15721.55	61.11	74.00	-12.89	44.58	13.82	37.99	35.28	Peak	150	252	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / 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	11489.95	55.84	74.00	-18.16	41.30	10.26	39.08	34.80	Peak	150	154	HORIZONTAL
2	11490.83	42.54	54.00	-11.46	28.00	10.26	39.08	34.80	Average	150	154	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	11490.27	42.52	54.00	-11.48	27.98	10.26	39.08	34.80	Average	150	133	VERTICAL
2	11490.99	55.94	74.00	-18.06	41.40	10.26	39.08	34.80	Peak	150	133	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / 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	11569.33	56.24	74.00	-17.76	41.62	10.29	39.14	34.81	Peak	150	199	HORIZONTAL
2	11570.03	42.69	54.00	-11.31	28.08	10.29	39.14	34.82	Average	150	199	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	11569.84	42.43	54.00	-11.57	27.82	10.29	39.14	34.82	Average	150	181	VERTICAL
2	11569.91	55.82	74.00	-18.18	41.21	10.29	39.14	34.82	Peak	150	181	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / 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	11649.09	42.45	54.00	-11.55	27.78	10.33	39.18	34.84	Average	150	246	HORIZONTAL
2	11649.35	55.60	74.00	-18.40	40.93	10.33	39.18	34.84	Peak	150	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	11649.03	42.54	54.00	-11.46	27.87	10.33	39.18	34.84	Average	150	226	VERTICAL
2	11650.65	56.14	74.00	-17.86	41.46	10.33	39.19	34.84	Peak	150	226	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / 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	15540.56	62.40	74.00	-11.60	45.51	13.84	38.25	35.20	Peak	150	298	HORIZONTAL
2	15540.68	48.82	54.00	-5.18	31.93	13.84	38.25	35.20	Average	150	298	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	15539.07	48.86	54.00	-5.14	31.97	13.84	38.25	35.20	Average	150	271	VERTICAL
2	15540.14	62.15	74.00	-11.85	45.26	13.84	38.25	35.20	Peak	150	271	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / 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	15599.12	48.34	54.00	-5.66	31.59	13.83	38.16	35.24	Average	150	335	HORIZONTAL
2	15600.79	62.38	74.00	-11.62	45.63	13.83	38.16	35.24	Peak	150	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	15599.65	48.22	54.00	-5.78	31.47	13.83	38.16	35.24	Average	150	316	VERTICAL
2	15600.36	61.53	74.00	-12.47	44.78	13.83	38.16	35.24	Peak	150	316	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / 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	15719.42	47.37	54.00	-6.63	30.84	13.82	37.99	35.28	Average	150	290	HORIZONTAL
2	15719.98	60.73	74.00	-13.27	44.20	13.82	37.99	35.28	Peak	150	290	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	15719.82	60.68	74.00	-13.32	44.15	13.82	37.99	35.28	Peak	150	312	VERTICAL
2	15719.98	47.36	54.00	-6.64	30.83	13.82	37.99	35.28	Average	150	312	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / 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	11489.09	42.50	54.00	-11.50	27.96	10.26	39.08	34.80	Average	150	132	HORIZONTAL
2	11489.26	55.74	74.00	-18.26	41.20	10.26	39.08	34.80	Peak	150	132	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	11489.03	42.55	54.00	-11.45	28.01	10.26	39.08	34.80	Average	150	106	VERTICAL
2	11489.11	55.74	74.00	-18.26	41.20	10.26	39.08	34.80	Peak	150	106	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / 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	11569.26	42.26	54.00	-11.74	27.64	10.29	39.14	34.81	Average	150	178	HORIZONTAL
2	11569.52	56.16	74.00	-17.84	41.54	10.29	39.14	34.81	Peak	150	178	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	11570.00	56.05	74.00	-17.95	41.44	10.29	39.14	34.82	Peak	150	163	VERTICAL
2	11570.45	42.46	54.00	-11.54	27.85	10.29	39.14	34.82	Average	150	163	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / 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	11649.08	42.53	54.00	-11.47	27.86	10.33	39.18	34.84	Average	150	210	HORIZONTAL
2	11649.19	56.43	74.00	-17.57	41.76	10.33	39.18	34.84	Peak	150	210	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	11649.18	42.59	54.00	-11.41	27.92	10.33	39.18	34.84	Average	150	192	VERTICAL
2	11650.47	55.94	74.00	-18.06	41.27	10.33	39.18	34.84	Peak	150	192	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / 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	15569.66	62.45	74.00	-11.55	45.63	13.83	38.20	35.21	Peak	150	250	HORIZONTAL
2	15570.71	48.66	54.00	-5.34	31.84	13.83	38.20	35.21	Average	150	250	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	15570.03	48.76	54.00	-5.24	31.94	13.83	38.20	35.21	Average	150	232	VERTICAL
2	15570.52	61.71	74.00	-12.29	44.89	13.83	38.20	35.21	Peak	150	232	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / 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	15690.27	47.08	54.00	-6.92	30.50	13.82	38.03	35.27	Average	150	280	HORIZONTAL
2	15690.46	60.52	74.00	-13.48	43.94	13.82	38.03	35.27	Peak	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	15689.60	47.11	54.00	-6.89	30.53	13.82	38.03	35.27	Average	150	265	VERTICAL
2	15690.28	61.06	74.00	-12.94	44.48	13.82	38.03	35.27	Peak	150	265	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / 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	11509.04	42.48	54.00	-11.52	27.91	10.27	39.10	34.80	Average	150	85	HORIZONTAL
2	11510.52	56.19	74.00	-17.81	41.62	10.27	39.10	34.80	Peak	150	85	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	11509.06	42.43	54.00	-11.57	27.86	10.27	39.10	34.80	Average	150	105	VERTICAL
2	11509.34	55.60	74.00	-18.40	41.03	10.27	39.10	34.80	Peak	150	105	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / 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	11589.39	42.31	54.00	-11.69	27.67	10.31	39.15	34.82	Average	150	45	HORIZONTAL
2	11590.39	56.10	74.00	-17.90	41.46	10.31	39.15	34.82	Peak	150	45	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	11589.00	42.39	54.00	-11.61	27.75	10.31	39.15	34.82	Average	150	69	VERTICAL
2	11589.21	55.66	74.00	-18.34	41.02	10.31	39.15	34.82	Peak	150	69	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / 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	15629.34	47.90	54.00	-6.10	31.21	13.83	38.11	35.25	Average	150	89	HORIZONTAL
2	15629.64	61.23	74.00	-12.77	44.54	13.83	38.11	35.25	Peak	150	89	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	15629.24	47.91	54.00	-6.09	31.22	13.83	38.11	35.25	Average	150	63	VERTICAL
2	15629.48	61.04	74.00	-12.96	44.35	13.83	38.11	35.25	Peak	150	63	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / 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	11549.41	55.64	74.00	-18.36	41.03	10.29	39.13	34.81	Peak	150	306	HORIZONTAL
2	11550.84	42.54	54.00	-11.46	27.93	10.29	39.13	34.81	Average	150	306	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	11549.88	55.52	74.00	-18.48	40.91	10.29	39.13	34.81	Peak	150	279	VERTICAL
2	11550.11	42.57	54.00	-11.43	27.96	10.29	39.13	34.81	Average	150	279	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 36 / 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	15537.39	46.87	54.00	-7.13	30.00	13.84	38.24	35.21	Average	200	327	HORIZONTAL
2	15543.09	60.56	74.00	-13.44	43.69	13.84	38.24	35.21	Peak	200	327	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	15538.48	60.83	74.00	-13.17	43.96	13.84	38.24	35.21	Peak	199	320	VERTICAL
2	15542.63	46.86	54.00	-7.14	29.99	13.84	38.24	35.21	Average	199	320	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / 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	15595.37	59.61	74.00	-14.39	42.84	13.83	38.17	35.23	Peak	199	316	HORIZONTAL
2	15596.04	46.79	54.00	-7.21	30.02	13.83	38.17	35.23	Average	199	316	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	15603.97	60.31	74.00	-13.69	43.60	13.83	38.11	35.23	Peak	199	306	VERTICAL
2	15604.20	46.73	54.00	-7.27	30.02	13.83	38.11	35.23	Average	199	306	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / 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	15717.26	59.06	74.00	-14.94	42.56	13.82	37.98	35.30	Peak	200	315	HORIZONTAL
2	15719.54	46.39	54.00	-7.61	29.89	13.82	37.98	35.30	Average	200	315	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	15716.30	46.44	54.00	-7.56	29.94	13.82	37.98	35.30	Average	200	325	VERTICAL
2	15719.54	59.24	74.00	-14.76	42.74	13.82	37.98	35.30	Peak	200	325	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / 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	11489.26	56.50	74.00	-17.50	41.95	10.25	39.10	34.80	Peak	200	293	HORIZONTAL
2	11493.59	43.46	54.00	-10.54	28.91	10.25	39.10	34.80	Average	200	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	11489.54	57.05	74.00	-16.95	42.50	10.25	39.10	34.80	Peak	200	286	VERTICAL
2	11493.00	43.31	54.00	-10.69	28.76	10.25	39.10	34.80	Average	200	286	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / 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	11570.14	43.02	54.00	-10.98	28.41	10.29	39.14	34.82	Average	200	294	HORIZONTAL
2	11573.93	55.38	74.00	-18.62	40.77	10.29	39.14	34.82	Peak	200	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	11571.43	43.06	54.00	-10.94	28.45	10.29	39.14	34.82	Average	200	287	VERTICAL
2	11574.49	55.54	74.00	-18.46	40.93	10.29	39.14	34.82	Peak	200	287	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / 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	11649.52	56.80	74.00	-17.20	42.14	10.32	39.18	34.84	Peak	200	279	HORIZONTAL
2	11653.33	43.20	54.00	-10.80	28.51	10.33	39.20	34.84	Average	200	279	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11648.24	56.68	74.00	-17.32	42.02	10.32	39.18	34.84	Peak	200	273	VERTICAL
2	11650.95	43.35	54.00	-10.65	28.66	10.33	39.20	34.84	Average	200	273	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / 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	15538.99	46.84	54.00	-7.16	29.97	13.84	38.24	35.21	Average	200	284	HORIZONTAL
2	15540.53	61.17	74.00	-12.83	44.30	13.84	38.24	35.21	Peak	200	284	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.53	61.17	74.00	-12.83	44.30	13.84	38.24	35.21	Peak	200	277	VERTICAL
2	15540.69	47.01	54.00	-6.99	30.14	13.84	38.24	35.21	Average	200	277	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / 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	15595.71	59.85	74.00	-14.15	43.08	13.83	38.17	35.23	Peak	200	284	HORIZONTAL
2	15601.75	46.74	54.00	-7.26	30.03	13.83	38.11	35.23	Average	200	284	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.99	46.55	54.00	-7.45	29.78	13.83	38.17	35.23	Average	200	265	VERTICAL
2	15597.63	60.45	74.00	-13.55	43.68	13.83	38.17	35.23	Peak	200	265	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / 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	15718.37	46.45	54.00	-7.55	29.95	13.82	37.98	35.30	Average	200	272	HORIZONTAL
2	15723.43	59.93	74.00	-14.07	43.43	13.82	37.98	35.30	Peak	200	272	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	15718.75	60.36	74.00	-13.64	43.86	13.82	37.98	35.30	Peak	200	263	VERTICAL
2	15719.41	46.51	54.00	-7.49	30.01	13.82	37.98	35.30	Average	200	263	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / 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	11485.00	56.37	74.00	-17.63	41.82	10.25	39.10	34.80	Peak	200	302	HORIZONTAL
2	11485.53	43.41	54.00	-10.59	28.86	10.25	39.10	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	11486.76	57.15	74.00	-16.85	42.60	10.25	39.10	34.80	Peak	200	311	VERTICAL
2	11487.02	43.25	54.00	-10.75	28.70	10.25	39.10	34.80	Average	200	311	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / 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	11565.34	56.16	74.00	-17.84	41.55	10.29	39.14	34.82	Peak	200	302	HORIZONTAL
2	11569.04	42.94	54.00	-11.06	28.33	10.29	39.14	34.82	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	11569.34	58.27	74.00	-15.73	43.66	10.29	39.14	34.82	Peak	200	294	VERTICAL
2	11573.88	43.16	54.00	-10.84	28.55	10.29	39.14	34.82	Average	200	294	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / 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	11646.15	43.17	54.00	-10.83	28.51	10.32	39.18	34.84	Average	200	304	HORIZONTAL
2	11654.89	56.77	74.00	-17.23	42.08	10.33	39.20	34.84	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	11650.87	56.17	74.00	-17.83	41.48	10.33	39.20	34.84	Peak	200	309	VERTICAL
2	11654.71	43.14	54.00	-10.86	28.45	10.33	39.20	34.84	Average	200	309	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / 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	15573.94	47.01	54.00	-6.99	30.24	13.83	38.17	35.23	Average	200	311	HORIZONTAL
2	15574.50	60.02	74.00	-13.98	43.25	13.83	38.17	35.23	Peak	200	311	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	15565.34	59.54	74.00	-14.46	42.77	13.83	38.17	35.23	Peak	200	322	VERTICAL
2	15574.17	46.73	54.00	-7.27	29.96	13.83	38.17	35.23	Average	200	322	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / 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	15572.12	59.88	74.00	-14.12	43.11	13.83	38.17	35.23	Peak	200	328	HORIZONTAL
2	15573.49	46.92	54.00	-7.08	30.15	13.83	38.17	35.23	Average	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	15570.43	59.92	74.00	-14.08	43.15	13.83	38.17	35.23	Peak	200	328	VERTICAL
2	15573.17	46.70	54.00	-7.30	29.93	13.83	38.17	35.23	Average	200	328	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / 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	11506.39	56.43	74.00	-17.57	41.88	10.25	39.10	34.80	Peak	200	321	HORIZONTAL
2	11507.76	43.62	54.00	-10.38	29.07	10.25	39.10	34.80	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	11512.07	56.39	74.00	-17.61	41.85	10.25	39.10	34.81	Peak	200	315	VERTICAL
2	11513.30	43.42	54.00	-10.58	28.88	10.25	39.10	34.81	Average	200	315	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / 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	11591.33	42.95	54.00	-11.05	28.32	10.30	39.16	34.83	Average	200	315	HORIZONTAL
2	11592.66	55.92	74.00	-18.08	41.29	10.30	39.16	34.83	Peak	200	315	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	11586.31	56.22	74.00	-17.78	41.59	10.30	39.16	34.83	Peak	200	300	VERTICAL
2	11591.06	42.87	54.00	-11.13	28.24	10.30	39.16	34.83	Average	200	300	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / 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	15628.93	59.48	74.00	-14.52	42.80	13.83	38.11	35.26	Peak	200	300	HORIZONTAL
2	15634.89	46.63	54.00	-7.37	29.95	13.83	38.11	35.26	Average	200	300	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	15626.22	59.80	74.00	-14.20	43.12	13.83	38.11	35.26	Peak	200	292	VERTICAL
2	15628.06	46.59	54.00	-7.41	29.91	13.83	38.11	35.26	Average	200	292	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / 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	11547.92	43.05	54.00	-10.95	28.48	10.27	39.12	34.82	Average	200	328	HORIZONTAL
2	11554.46	55.79	74.00	-18.21	41.18	10.29	39.14	34.82	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	11546.75	42.97	54.00	-11.03	28.40	10.27	39.12	34.82	Average	200	328	VERTICAL
2	11554.58	56.36	74.00	-17.64	41.75	10.29	39.14	34.82	Peak	200	328	VERTICAL

Note:

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

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

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

4.7. Band Edge Emissions Measurement

4.7.1. Limit

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

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

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

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

4.7.2. Measuring Instruments and Setting

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

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

4.7.3. Test Procedures

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

4.7.4. Test Setup Layout

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

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / 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 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.20	65.93	74.00	-8.07	58.02	7.22	33.74	33.05	180	0	Peak	HORIZONTAL
2	5147.20	52.47	54.00	-1.53	44.56	7.22	33.74	33.05	180	0	Average	HORIZONTAL
3	5186.80	117.57			109.43	7.37	33.82	33.05	180	0	Peak	HORIZONTAL
4	5186.80	107.47			99.33	7.37	33.82	33.05	180	0	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.00	52.51	54.00	-1.49	44.60	7.22	33.74	33.05	182	0	Average	HORIZONTAL
2	5147.20	66.80	74.00	-7.20	58.89	7.22	33.74	33.05	182	0	Peak	HORIZONTAL
3	5206.80	121.36			113.21	7.36	33.84	33.05	182	0	Peak	HORIZONTAL
4	5206.80	110.77			102.62	7.36	33.84	33.05	182	0	Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5141.00	60.83	74.00	-13.17	52.99	7.17	33.72	33.05	182	0	Peak	HORIZONTAL
2	5145.80	48.34	54.00	-5.66	40.43	7.22	33.74	33.05	182	0	Average	HORIZONTAL
3	5245.40	121.17			112.99	7.35	33.89	33.06	182	0	Peak	HORIZONTAL
4	5245.40	111.35			103.17	7.35	33.89	33.06	182	0	Average	HORIZONTAL
5	5354.00	61.43	74.00	-12.57	53.13	7.30	34.06	33.06	182	0	Peak	HORIZONTAL
6	5383.40	49.49	54.00	-4.51	41.15	7.29	34.11	33.06	182	0	Average	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / 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 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.60	63.89	68.20	-4.31	55.18	7.41	34.43	33.13	183	356	Peak	HORIZONTAL
2	5724.00	76.95	78.20	-1.25	68.26	7.38	34.44	33.13	183	356	Peak	HORIZONTAL
3	5744.00	118.53			109.87	7.35	34.45	33.14	183	356	Peak	HORIZONTAL
4	5744.00	108.54			99.88	7.35	34.45	33.14	183	356	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.60	61.96	68.20	-6.24	53.23	7.44	34.42	33.13	175	356	Peak	HORIZONTAL
2	5723.40	62.47	78.20	-15.73	53.78	7.38	34.44	33.13	175	356	Peak	HORIZONTAL
3	5784.20	110.97			102.37	7.28	34.47	33.15	175	356	Average	HORIZONTAL
4	5785.00	120.58			111.98	7.28	34.47	33.15	175	356	Peak	HORIZONTAL
5	5856.40	62.06	78.20	-16.14	53.10	7.61	34.52	33.17	175	356	Peak	HORIZONTAL
6	5864.20	62.54	68.20	-5.66	53.59	7.61	34.52	33.18	175	356	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5826.00	110.14			101.38	7.43	34.50	33.17	175	357	Average	HORIZONTAL
2	5826.40	120.00			111.24	7.43	34.50	33.17	175	357	Peak	HORIZONTAL
3	5858.40	70.57	78.20	-7.63	61.61	7.61	34.52	33.17	175	357	Peak	HORIZONTAL
4	5860.20	66.94	68.20	-1.26	57.99	7.61	34.52	33.18	175	357	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / 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 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.00	52.99	54.00	-1.01	45.08	7.22	33.74	33.05	178	358	Average	HORIZONTAL
2	5146.40	67.27	74.00	-6.73	59.36	7.22	33.74	33.05	178	358	Peak	HORIZONTAL
3	5186.00	118.81			110.75	7.32	33.79	33.05	178	358	Peak	HORIZONTAL
4	5186.60	107.66			99.52	7.37	33.82	33.05	178	358	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.40	66.64	74.00	-7.36	58.73	7.22	33.74	33.05	177	358	Peak	HORIZONTAL
2	5146.40	52.98	54.00	-1.02	45.07	7.22	33.74	33.05	177	358	Average	HORIZONTAL
3	5206.80	111.33			103.18	7.36	33.84	33.05	177	358	Average	HORIZONTAL
4	5207.20	122.23			114.08	7.36	33.84	33.05	177	358	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5120.00	48.22	54.00	-5.78	40.46	7.12	33.69	33.05	176	358	Average	HORIZONTAL
2	5148.20	60.20	74.00	-13.80	52.29	7.22	33.74	33.05	176	358	Peak	HORIZONTAL
3	5244.80	122.67			114.49	7.35	33.89	33.06	176	358	Peak	HORIZONTAL
4	5245.40	111.65			103.47	7.35	33.89	33.06	176	358	Average	HORIZONTAL
5	5350.00	48.95	54.00	-5.05	40.65	7.30	34.06	33.06	176	358	Average	HORIZONTAL
6	5363.20	61.67	74.00	-12.33	53.36	7.29	34.08	33.06	176	358	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / 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 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.60	64.50	68.20	-3.70	55.79	7.41	34.43	33.13	177	355	Peak	HORIZONTAL
2	5724.60	77.00	78.20	-1.20	68.31	7.38	34.44	33.13	177	355	Peak	HORIZONTAL
3	5743.60	107.28			98.62	7.35	34.45	33.14	177	355	Average	HORIZONTAL
4	5743.80	118.09			109.43	7.35	34.45	33.14	177	355	Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.60	61.77	68.20	-6.43	53.06	7.41	34.43	33.13	175	1	Peak	VERTICAL
2	5723.80	61.48	78.20	-16.72	52.79	7.38	34.44	33.13	175	1	Peak	VERTICAL
3	5778.60	117.53			108.93	7.28	34.47	33.15	175	1	Peak	VERTICAL
4	5779.40	107.14			98.54	7.28	34.47	33.15	175	1	Average	VERTICAL
5	5853.20	61.87	78.20	-16.33	53.01	7.52	34.51	33.17	175	1	Peak	VERTICAL
6	5861.00	62.19	68.20	-6.01	53.24	7.61	34.52	33.18	175	1	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5825.40	109.57			100.81	7.43	34.50	33.17	182	358	Average	HORIZONTAL
2	5826.60	119.89			111.13	7.43	34.50	33.17	182	358	Peak	HORIZONTAL
3	5858.20	69.65	78.20	-8.55	60.69	7.61	34.52	33.17	182	358	Peak	HORIZONTAL
4	5860.40	66.82	68.20	-1.38	57.87	7.61	34.52	33.18	182	358	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / 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 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	65.45	74.00	-8.55	57.54	7.22	33.74	33.05	178	0	Peak	HORIZONTAL
2	5150.00	52.75	54.00	-1.25	44.84	7.22	33.74	33.05	178	0	Average	HORIZONTAL
3	5196.80	101.79			93.65	7.37	33.82	33.05	178	0	Average	HORIZONTAL
4	5197.60	112.93			104.79	7.37	33.82	33.05	178	0	Peak	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5134.00	65.71	74.00	-8.29	57.87	7.17	33.72	33.05	177	358	Peak	HORIZONTAL
2	5134.60	52.95	54.00	-1.05	45.11	7.17	33.72	33.05	177	358	Average	HORIZONTAL
3	5234.80	118.72			110.53	7.35	33.89	33.05	177	358	Peak	HORIZONTAL
4	5234.80	107.84			99.65	7.35	33.89	33.05	177	358	Average	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / 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 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	66.71	68.20	-1.49	58.00	7.41	34.43	33.13	178	354	Average	HORIZONTAL
2	5724.60	71.70	78.20	-6.50	63.01	7.38	34.44	33.13	178	354	Average	HORIZONTAL
3	5753.00	102.94			94.28	7.35	34.45	33.14	178	354	Peak	HORIZONTAL
4	5753.80	112.85			104.19	7.35	34.45	33.14	178	354	Average	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.00	62.56	68.20	-5.64	53.83	7.44	34.42	33.13	177	354	Peak	VERTICAL
2	5720.00	64.54	78.20	-13.66	55.83	7.41	34.43	33.13	177	354	Peak	VERTICAL
3	5799.80	112.64			104.06	7.25	34.48	33.15	177	354	Peak	VERTICAL
4	5799.80	103.05			94.47	7.25	34.48	33.15	177	354	Average	VERTICAL
5	5858.40	65.99	78.20	-12.21	57.03	7.61	34.52	33.17	177	354	Peak	VERTICAL
6	5860.40	67.14	68.20	-1.06	58.19	7.61	34.52	33.18	177	354	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / 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 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5137.00	52.68	54.00	-1.32	44.84	7.17	33.72	33.05	172	0	Average	HORIZONTAL
2	5138.00	63.62	74.00	-10.38	55.78	7.17	33.72	33.05	172	0	Peak	HORIZONTAL
3	5216.00	104.32			96.17	7.36	33.84	33.05	172	0	Peak	HORIZONTAL
4	5217.00	94.68			86.51	7.36	33.86	33.05	172	0	Average	HORIZONTAL
5	5378.00	61.77	74.00	-12.23	53.43	7.29	34.11	33.06	172	0	Peak	HORIZONTAL
6	5392.00	49.35	54.00	-4.65	41.00	7.28	34.13	33.06	172	0	Average	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.00	66.83	68.20	-1.37	58.10	7.44	34.42	33.13	180	354	Peak	HORIZONTAL
2	5720.00	64.14	78.20	-14.06	55.43	7.41	34.43	33.13	180	354	Peak	HORIZONTAL
3	5754.00	94.27			85.61	7.35	34.45	33.14	180	354	Average	HORIZONTAL
4	5755.00	104.29			95.63	7.35	34.45	33.14	180	354	Peak	HORIZONTAL
5	5854.00	64.97	78.20	-13.23	56.11	7.52	34.51	33.17	180	354	Peak	HORIZONTAL
6	5869.00	63.63	68.20	-4.57	54.68	7.61	34.52	33.18	180	354	Peak	HORIZONTAL

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

Note:

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / 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 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.60	65.50	74.00	-8.50	57.24	8.15	33.74	33.63	252	351	Peak	HORIZONTAL
2	5149.00	52.59	54.00	-1.41	44.33	8.15	33.74	33.63	252	351	Average	HORIZONTAL
3	5182.60	114.18			105.75	8.26	33.79	33.62	252	351	Peak	HORIZONTAL
4	5182.60	104.02			95.59	8.26	33.79	33.62	252	351	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.40	63.64	74.00	-10.36	55.38	8.15	33.74	33.63	239	360	Peak	HORIZONTAL
2	5147.20	51.15	54.00	-2.85	42.89	8.15	33.74	33.63	239	360	Average	HORIZONTAL
3	5194.00	117.00			108.48	8.32	33.82	33.62	239	360	Peak	HORIZONTAL
4	5194.80	106.59			98.07	8.32	33.82	33.62	239	360	Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5097.20	47.83	54.00	-6.17	39.90	7.92	33.65	33.64	226	350	Average	HORIZONTAL
2	5142.80	59.77	74.00	-14.23	51.51	8.15	33.74	33.63	226	350	Peak	HORIZONTAL
3	5234.60	117.59			109.03	8.29	33.89	33.62	226	350	Peak	HORIZONTAL
4	5234.60	108.22			99.66	8.29	33.89	33.62	226	350	Average	HORIZONTAL
5	5374.40	49.47	54.00	-4.53	40.78	8.18	34.11	33.60	226	350	Average	HORIZONTAL
6	5380.40	61.42	74.00	-12.58	52.73	8.18	34.11	33.60	226	350	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / 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 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5684.20	63.30	68.20	-4.90	53.88	8.60	34.41	33.59	260	6	Peak	HORIZONTAL
2	5725.00	76.69	78.20	-1.51	67.38	8.47	34.44	33.60	260	6	Peak	HORIZONTAL
3	5743.80	103.72			94.44	8.43	34.45	33.60	260	6	Average	HORIZONTAL
4	5744.20	113.59			104.31	8.43	34.45	33.60	260	6	Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5706.20	61.46	68.20	-6.74	52.12	8.51	34.43	33.60	209	0	Peak	VERTICAL
2	5725.00	61.93	78.20	-16.27	52.62	8.47	34.44	33.60	209	0	Peak	VERTICAL
3	5783.00	116.94			107.72	8.35	34.47	33.60	209	0	Peak	VERTICAL
4	5784.20	106.65			97.43	8.35	34.47	33.60	209	0	Average	VERTICAL
5	5853.20	63.34	78.20	-14.86	53.88	8.56	34.51	33.61	209	0	Peak	VERTICAL
6	5878.60	63.63	68.20	-4.57	53.99	8.72	34.53	33.61	209	0	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5821.80	115.77			106.50	8.39	34.49	33.61	252	350	Peak	HORIZONTAL
2	5821.80	105.03			95.76	8.39	34.49	33.61	252	350	Average	HORIZONTAL
3	5850.40	71.03	78.20	-7.17	61.57	8.56	34.51	33.61	252	350	Peak	HORIZONTAL
4	5862.60	67.04	68.20	-1.16	57.49	8.64	34.52	33.61	252	350	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / 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 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.20	66.56	74.00	-7.44	58.30	8.15	33.74	33.63	273	355	Peak	HORIZONTAL
2	5147.60	52.87	54.00	-1.13	44.61	8.15	33.74	33.63	273	355	Average	HORIZONTAL
3	5181.20	114.39			105.96	8.26	33.79	33.62	273	355	Peak	HORIZONTAL
4	5181.20	103.36			94.93	8.26	33.79	33.62	273	355	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.80	51.52	54.00	-2.48	43.26	8.15	33.74	33.63	208	355	Average	HORIZONTAL
2	5149.20	64.97	74.00	-9.03	56.71	8.15	33.74	33.63	208	355	Peak	HORIZONTAL
3	5196.00	117.64			109.12	8.32	33.82	33.62	208	355	Peak	HORIZONTAL
4	5196.80	107.19			98.67	8.32	33.82	33.62	208	355	Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5113.40	48.21	54.00	-5.79	40.12	8.03	33.69	33.63	216	354	Average	HORIZONTAL
2	5144.60	60.70	74.00	-13.30	52.44	8.15	33.74	33.63	216	354	Peak	HORIZONTAL
3	5233.40	117.79			109.23	8.29	33.89	33.62	216	354	Peak	HORIZONTAL
4	5234.60	108.21			99.65	8.29	33.89	33.62	216	354	Average	HORIZONTAL
5	5365.40	49.71	54.00	-4.29	41.04	8.19	34.08	33.60	216	354	Average	HORIZONTAL
6	5382.20	61.65	74.00	-12.35	52.95	8.18	34.11	33.59	216	354	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / 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 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5708.00	63.01	68.20	-5.19	53.67	8.51	34.43	33.60	222	351	Peak	HORIZONTAL
2	5724.00	76.67	78.20	-1.53	67.36	8.47	34.44	33.60	222	351	Peak	HORIZONTAL
3	5741.80	114.26			104.98	8.43	34.45	33.60	222	351	Peak	HORIZONTAL
4	5742.20	104.01			94.73	8.43	34.45	33.60	222	351	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5690.60	61.44	68.20	-6.76	52.06	8.56	34.42	33.60	200	356	Peak	VERTICAL
2	5721.80	62.21	78.20	-15.99	52.87	8.51	34.43	33.60	200	356	Peak	VERTICAL
3	5781.00	116.94			107.72	8.35	34.47	33.60	200	356	Peak	VERTICAL
4	5782.20	106.69			97.47	8.35	34.47	33.60	200	356	Average	VERTICAL
5	5854.80	62.55	78.20	-15.65	53.09	8.56	34.51	33.61	200	356	Peak	VERTICAL
6	5874.60	62.88	68.20	-5.32	53.24	8.72	34.53	33.61	200	356	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5821.20	115.68			106.41	8.39	34.49	33.61	222	360	Peak	VERTICAL
2	5822.40	105.46			96.10	8.47	34.50	33.61	222	360	Average	VERTICAL
3	5850.00	73.43	78.20	-4.77	63.97	8.56	34.51	33.61	222	360	Peak	VERTICAL
4	5860.40	67.13	68.20	-1.07	57.58	8.64	34.52	33.61	222	360	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / 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 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.24	65.88	74.00	-8.12	57.62	8.15	33.74	33.63	250	350	Peak	HORIZONTAL
2	5146.24	52.99	54.00	-1.01	44.73	8.15	33.74	33.63	250	350	Average	HORIZONTAL
3	5192.89	99.40			90.88	8.32	33.82	33.62	250	350	Average	HORIZONTAL
4	5193.18	110.12			101.60	8.32	33.82	33.62	250	350	Peak	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.09	66.36	74.00	-7.64	58.10	8.15	33.74	33.63	250	349	Peak	HORIZONTAL
2	5146.09	52.86	54.00	-1.14	44.60	8.15	33.74	33.63	250	349	Average	HORIZONTAL
3	5233.04	106.20			97.64	8.29	33.89	33.62	250	349	Average	HORIZONTAL
4	5233.91	115.85			107.29	8.29	33.89	33.62	250	349	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / 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 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.45	67.07	68.20	-1.13	57.73	8.51	34.43	33.60	245	354	Peak	HORIZONTAL
2	5725.00	70.67	78.20	-7.53	61.36	8.47	34.44	33.60	245	354	Peak	HORIZONTAL
3	5750.66	99.67			90.39	8.43	34.45	33.60	245	354	Average	HORIZONTAL
4	5750.95	109.77			100.49	8.43	34.45	33.60	245	354	Peak	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.20	62.70	68.20	-5.50	53.32	8.56	34.42	33.60	100	354	Peak	VERTICAL
2	5719.75	64.86	78.20	-13.34	55.52	8.51	34.43	33.60	100	354	Peak	VERTICAL
3	5797.89	102.69			93.50	8.31	34.48	33.60	100	354	Average	VERTICAL
4	5799.34	113.02			103.83	8.31	34.48	33.60	100	354	Peak	VERTICAL
5	5857.81	71.30	78.20	-6.90	61.75	8.64	34.52	33.61	100	354	Peak	VERTICAL
6	5861.16	67.10	68.20	-1.10	57.55	8.64	34.52	33.61	100	354	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / 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 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.32	66.76	74.00	-7.24	58.50	8.15	33.74	33.63	101	1	Peak	VERTICAL
2	5147.77	52.99	54.00	-1.01	44.73	8.15	33.74	33.63	101	1	Average	VERTICAL
3	5188.29	92.61			84.09	8.32	33.82	33.62	101	1	Average	VERTICAL
4	5228.09	102.95			94.41	8.30	33.86	33.62	101	1	Peak	VERTICAL
5	5350.00	46.25	54.00	-7.75	37.59	8.20	34.06	33.60	101	1	Average	VERTICAL
6	5355.07	58.30	74.00	-15.70	49.63	8.19	34.08	33.60	101	1	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.23	66.83	68.20	-1.37	57.45	8.56	34.42	33.60	261	10	Peak	HORIZONTAL
2	5725.00	63.61	78.20	-14.59	54.30	8.47	34.44	33.60	261	10	Peak	HORIZONTAL
3	5753.29	92.24			82.96	8.43	34.45	33.60	261	10	Average	HORIZONTAL
4	5754.02	101.31			92.03	8.43	34.45	33.60	261	10	Peak	HORIZONTAL
5	5853.62	63.81	78.20	-14.39	54.35	8.56	34.51	33.61	261	10	Peak	HORIZONTAL
6	5867.24	63.57	68.20	-4.63	54.02	8.64	34.52	33.61	261	10	Peak	HORIZONTAL

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

Note:

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / 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 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.06	53.00	54.00	-1.00	47.32	6.64	34.04	35.00	Average	225	79	VERTICAL
2	5145.87	67.10	74.00	-6.90	61.42	6.64	34.04	35.00	Peak	225	79	VERTICAL
3	5185.13	109.39			103.63	6.67	34.09	35.00	Average	225	79	VERTICAL
4	5185.61	119.80			114.04	6.67	34.09	35.00	Peak	225	79	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.87	63.78	74.00	-10.22	58.10	6.64	34.04	35.00	Peak	239	80	HORIZONTAL
2	5145.19	49.88	54.00	-4.12	44.20	6.64	34.04	35.00	Average	239	80	HORIZONTAL
3	5205.45	111.56			105.72	6.70	34.14	35.00	Average	239	80	HORIZONTAL
4	5205.77	121.15			115.31	6.70	34.14	35.00	Peak	239	80	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5137.60	58.19	74.00	-15.81	52.54	6.63	34.02	35.00	Peak	236	91	HORIZONTAL
2	5140.00	46.13	54.00	-7.87	40.48	6.63	34.02	35.00	Average	236	91	HORIZONTAL
3	5233.75	120.63			114.71	6.73	34.19	35.00	Peak	236	91	HORIZONTAL
4	5234.71	110.34			104.42	6.73	34.19	35.00	Average	236	91	HORIZONTAL
5	5350.00	45.01	54.00	-8.99	38.81	6.84	34.36	35.00	Average	236	91	HORIZONTAL
6	5359.23	57.10	74.00	-16.90	50.87	6.85	34.38	35.00	Peak	236	91	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / 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 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.79	62.02	68.20	-6.18	55.39	7.02	34.64	35.03	Peak	175	76	HORIZONTAL
2	5725.00	77.14	78.20	-1.06	70.53	6.99	34.65	35.03	Peak	175	76	HORIZONTAL
3	5738.11	118.54			111.94	6.99	34.65	35.04	Peak	175	76	HORIZONTAL
4	5738.27	108.04			101.44	6.99	34.65	35.04	Average	175	76	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5695.26	59.60	68.20	-8.60	52.94	7.05	34.64	35.03	Peak	180	76	HORIZONTAL
2	5725.00	60.91	78.20	-17.29	54.30	6.99	34.65	35.03	Peak	180	76	HORIZONTAL
3	5777.79	111.88			105.38	6.89	34.66	35.05	Average	180	76	HORIZONTAL
4	5778.59	121.93			115.43	6.89	34.66	35.05	Peak	180	76	HORIZONTAL
5	5850.00	60.48	78.20	-17.72	54.02	6.85	34.67	35.06	Peak	180	76	HORIZONTAL
6	5873.14	59.00	68.20	-9.20	52.53	6.85	34.68	35.06	Peak	180	76	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5819.55	109.51			103.04	6.86	34.66	35.05	Average	185	74	HORIZONTAL
2	5819.55	119.27			112.80	6.86	34.66	35.05	Peak	185	74	HORIZONTAL
3	5850.00	73.79	78.20	-4.41	67.33	6.85	34.67	35.06	Peak	185	74	HORIZONTAL
4	5860.26	66.93	68.20	-1.27	60.47	6.85	34.67	35.06	Peak	185	74	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / 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 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.58	52.82	54.00	-1.18	47.14	6.64	34.04	35.00	Average	230	81	HORIZONTAL
2	5144.90	65.31	74.00	-8.69	59.63	6.64	34.04	35.00	Peak	230	81	HORIZONTAL
3	5185.29	109.09			103.33	6.67	34.09	35.00	Average	230	81	HORIZONTAL
4	5185.29	119.40			113.64	6.67	34.09	35.00	Peak	230	81	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.55	63.54	74.00	-10.46	57.86	6.64	34.04	35.00	Peak	226	82	HORIZONTAL
2	5145.83	50.08	54.00	-3.92	44.40	6.64	34.04	35.00	Average	226	82	HORIZONTAL
3	5204.81	120.90			115.06	6.70	34.14	35.00	Peak	226	82	HORIZONTAL
4	5205.45	111.11			105.27	6.70	34.14	35.00	Average	226	82	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.48	45.64	54.00	-8.36	39.99	6.63	34.02	35.00	Average	242	90	VERTICAL
2	5142.40	57.58	74.00	-16.42	51.90	6.64	34.04	35.00	Peak	242	90	VERTICAL
3	5238.08	119.17			113.25	6.73	34.19	35.00	Peak	242	90	VERTICAL
4	5238.56	109.14			103.22	6.73	34.19	35.00	Average	242	90	VERTICAL
5	5350.00	45.24	54.00	-8.76	39.04	6.84	34.36	35.00	Average	242	90	VERTICAL
6	5353.37	56.17	74.00	-17.83	49.97	6.84	34.36	35.00	Peak	242	90	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / 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 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.27	60.48	68.20	-7.72	53.85	7.02	34.64	35.03	Peak	199	77	HORIZONTAL
2	5725.00	76.94	78.20	-1.26	70.33	6.99	34.65	35.03	Peak	199	77	HORIZONTAL
3	5738.27	107.24			100.64	6.99	34.65	35.04	Average	199	77	HORIZONTAL
4	5738.59	117.42			110.82	6.99	34.65	35.04	Peak	199	77	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5692.85	59.34	68.20	-8.86	52.68	7.05	34.64	35.03	Peak	204	107	VERTICAL
2	5725.00	60.43	78.20	-17.77	53.82	6.99	34.65	35.03	Peak	204	107	VERTICAL
3	5783.40	110.11			103.61	6.89	34.66	35.05	Average	204	107	VERTICAL
4	5784.20	120.10			113.60	6.89	34.66	35.05	Peak	204	107	VERTICAL
5	5850.00	56.80	78.20	-21.40	50.34	6.85	34.67	35.06	Peak	204	107	VERTICAL
6	5890.00	54.80	68.20	-13.40	48.34	6.85	34.68	35.07	Peak	204	107	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5818.59	120.20			113.73	6.86	34.66	35.05	Peak	196	75	HORIZONTAL
2	5819.39	109.21			102.74	6.86	34.66	35.05	Average	196	75	HORIZONTAL
3	5850.00	72.51	78.20	-5.69	66.05	6.85	34.67	35.06	Peak	196	75	HORIZONTAL
4	5860.26	67.02	68.20	-1.18	60.56	6.85	34.67	35.06	Peak	196	75	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / 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 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna 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	52.75	54.00	-1.25	47.07	6.64	34.04	35.00	Average	282	86	VERTICAL
2	5150.00	64.47	74.00	-9.53	58.79	6.64	34.04	35.00	Peak	282	86	VERTICAL
3	5191.28	112.91			107.10	6.69	34.12	35.00	Peak	282	86	VERTICAL
4	5191.60	102.12			96.31	6.69	34.12	35.00	Average	282	86	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.82	54.00	-1.18	47.14	6.64	34.04	35.00	Average	248	87	VERTICAL
2	5150.00	65.14	74.00	-8.86	59.46	6.64	34.04	35.00	Peak	248	87	VERTICAL
3	5231.44	115.36			109.48	6.72	34.16	35.00	Peak	248	87	VERTICAL
4	5231.92	103.77			97.85	6.73	34.19	35.00	Average	248	87	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / 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 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5707.89	67.14	68.20	-1.06	60.51	7.02	34.64	35.03	Peak	202	75	HORIZONTAL
2	5716.86	70.41	78.20	-7.79	63.78	7.02	34.64	35.03	Peak	202	75	HORIZONTAL
3	5747.63	113.91			107.35	6.95	34.65	35.04	Peak	202	75	HORIZONTAL
4	5748.27	103.94			97.38	6.95	34.65	35.04	Average	202	75	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5703.65	62.48	68.20	-5.72	55.82	7.05	34.64	35.03	Peak	210	80	VERTICAL
2	5725.00	65.51	78.20	-12.69	58.90	6.99	34.65	35.03	Peak	210	80	VERTICAL
3	5783.78	116.15			109.65	6.89	34.66	35.05	Peak	210	80	VERTICAL
4	5784.58	106.12			99.62	6.89	34.66	35.05	Average	210	80	VERTICAL
5	5850.00	62.91	78.20	-15.29	56.45	6.85	34.67	35.06	Peak	210	80	VERTICAL
6	5864.71	66.98	68.20	-1.22	60.52	6.85	34.67	35.06	Peak	210	80	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / 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 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5134.68	63.62	74.00	-10.38	57.97	6.63	34.02	35.00	Peak	255	77	HORIZONTAL
2	5135.48	52.62	54.00	-1.38	46.97	6.63	34.02	35.00	Average	255	77	HORIZONTAL
3	5195.58	104.16			98.35	6.69	34.12	35.00	Peak	255	77	HORIZONTAL
4	5215.61	93.95			88.11	6.70	34.14	35.00	Average	255	77	HORIZONTAL
5	5350.00	45.17	54.00	-8.83	38.97	6.84	34.36	35.00	Average	255	77	HORIZONTAL
6	5357.21	56.78	74.00	-17.22	50.55	6.85	34.38	35.00	Peak	255	77	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5706.89	66.86	68.20	-1.34	60.23	7.02	34.64	35.03	Peak	204	77	HORIZONTAL
2	5723.72	65.03	78.20	-13.17	58.42	6.99	34.65	35.03	Peak	204	77	HORIZONTAL
3	5787.82	106.04			99.54	6.89	34.66	35.05	Peak	204	77	HORIZONTAL
4	5788.62	96.03			89.53	6.89	34.66	35.05	Average	204	77	HORIZONTAL
5	5850.00	64.77	78.20	-13.43	58.31	6.85	34.67	35.06	Peak	204	77	HORIZONTAL
6	5868.75	64.57	68.20	-3.63	58.11	6.85	34.67	35.06	Peak	204	77	HORIZONTAL

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

Note:

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / 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 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.71	65.09	74.00	-8.91	59.41	6.64	34.04	35.00	Peak	198	183	VERTICAL
2	5150.00	52.85	54.00	-1.15	47.17	6.64	34.04	35.00	Average	198	183	VERTICAL
3	5176.96	122.21			116.45	6.67	34.09	35.00	Peak	198	183	VERTICAL
4	5177.60	111.43			105.67	6.67	34.09	35.00	Average	198	183	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.44	67.69	74.00	-6.31	62.01	6.64	34.04	35.00	Peak	152	176	HORIZONTAL
2	5149.36	51.80	54.00	-2.20	46.12	6.64	34.04	35.00	Average	152	176	HORIZONTAL
3	5205.77	124.43			118.59	6.70	34.14	35.00	Peak	152	176	HORIZONTAL
4	5206.09	114.08			108.24	6.70	34.14	35.00	Average	152	176	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5136.15	49.49	54.00	-4.51	43.84	6.63	34.02	35.00	Average	204	166	VERTICAL
2	5138.08	61.24	74.00	-12.76	55.59	6.63	34.02	35.00	Peak	204	166	VERTICAL
3	5233.75	125.35			119.43	6.73	34.19	35.00	Peak	204	166	VERTICAL
4	5234.71	114.70			108.78	6.73	34.19	35.00	Average	204	166	VERTICAL
5	5352.50	61.55	74.00	-12.45	55.35	6.84	34.36	35.00	Peak	204	166	VERTICAL
6	5376.06	49.40	54.00	-4.60	43.11	6.87	34.41	34.99	Average	204	166	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / 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 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.52	60.62	68.20	-7.58	53.99	7.02	34.64	35.03	Peak	227	174	VERTICAL
2	5725.00	76.67	78.20	-1.53	70.06	6.99	34.65	35.03	Peak	227	174	VERTICAL
3	5738.75	119.18			112.62	6.95	34.65	35.04	Peak	227	174	VERTICAL
4	5739.71	108.84			102.28	6.95	34.65	35.04	Average	227	174	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	61.90	68.20	-6.30	55.27	7.02	34.64	35.03	Peak	216	187	HORIZONTAL
2	5724.10	64.06	78.20	-14.14	57.45	6.99	34.65	35.03	Peak	216	187	HORIZONTAL
3	5788.21	113.02			106.52	6.89	34.66	35.05	Average	216	187	HORIZONTAL
4	5788.21	123.65			117.15	6.89	34.66	35.05	Peak	216	187	HORIZONTAL
5	5850.00	67.53	78.20	-10.67	61.07	6.85	34.67	35.06	Peak	216	187	HORIZONTAL
6	5867.53	60.21	68.20	-7.99	53.75	6.85	34.67	35.06	Peak	216	187	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5818.27	109.60			103.13	6.86	34.66	35.05	Average	217	180	VERTICAL
2	5818.91	120.78			114.31	6.86	34.66	35.05	Peak	217	180	VERTICAL
3	5858.01	71.71	78.20	-6.49	65.25	6.85	34.67	35.06	Peak	217	180	VERTICAL
4	5860.00	66.26	68.20	-1.94	59.80	6.85	34.67	35.06	Peak	217	180	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / 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 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.06	52.90	54.00	-1.10	47.22	6.64	34.04	35.00	Average	168	178	HORIZONTAL
2	5145.39	66.21	74.00	-7.79	60.53	6.64	34.04	35.00	Peak	168	178	HORIZONTAL
3	5185.13	109.96			104.20	6.67	34.09	35.00	Average	168	178	HORIZONTAL
4	5185.13	121.25			115.49	6.67	34.09	35.00	Peak	168	178	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.15	52.95	54.00	-1.05	47.27	6.64	34.04	35.00	Average	170	178	HORIZONTAL
2	5148.40	67.42	74.00	-6.58	61.74	6.64	34.04	35.00	Peak	170	178	HORIZONTAL
3	5205.13	124.22			118.38	6.70	34.14	35.00	Peak	170	178	HORIZONTAL
4	5206.09	112.50			106.66	6.70	34.14	35.00	Average	170	178	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.05	46.14	54.00	-7.86	40.46	6.64	34.04	35.00	Average	147	180	HORIZONTAL
2	5149.46	58.00	74.00	-16.00	52.32	6.64	34.04	35.00	Peak	147	180	HORIZONTAL
3	5243.21	112.05			106.13	6.73	34.19	35.00	Average	147	180	HORIZONTAL
4	5243.21	123.04			117.12	6.73	34.19	35.00	Peak	147	180	HORIZONTAL
5	5350.00	45.32	54.00	-8.68	39.12	6.84	34.36	35.00	Average	147	180	HORIZONTAL
6	5351.60	57.28	74.00	-16.72	51.08	6.84	34.36	35.00	Peak	147	180	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / 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 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.23	61.18	68.20	-7.02	54.55	7.02	34.64	35.03	Peak	227	187	VERTICAL
2	5722.89	76.57	78.20	-1.63	69.96	6.99	34.65	35.03	Peak	227	187	VERTICAL
3	5742.44	105.45			98.89	6.95	34.65	35.04	Average	227	187	VERTICAL
4	5743.08	116.45			109.89	6.95	34.65	35.04	Peak	227	187	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5700.87	61.75	68.20	-6.45	55.09	7.05	34.64	35.03	Peak	223	175	VERTICAL
2	5725.00	64.31	78.20	-13.89	57.70	6.99	34.65	35.03	Peak	223	175	VERTICAL
3	5780.19	111.91			105.41	6.89	34.66	35.05	Average	223	175	VERTICAL
4	5780.19	124.15			117.65	6.89	34.66	35.05	Peak	223	175	VERTICAL
5	5851.51	59.71	78.20	-18.49	53.25	6.85	34.67	35.06	Peak	223	175	VERTICAL
6	5860.00	60.71	68.20	-7.49	54.25	6.85	34.67	35.06	Peak	223	175	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5829.17	109.01			102.54	6.86	34.67	35.06	Average	236	186	HORIZONTAL
2	5830.13	120.53			114.06	6.86	34.67	35.06	Peak	236	186	HORIZONTAL
3	5850.00	77.08	78.20	-1.12	70.62	6.85	34.67	35.06	Peak	236	186	HORIZONTAL
4	5860.00	62.25	68.20	-5.95	55.79	6.85	34.67	35.06	Peak	236	186	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / 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 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.62	65.21	74.00	-8.79	59.53	6.64	34.04	35.00	Peak	189	176	HORIZONTAL
2	5150.00	52.95	54.00	-1.05	47.27	6.64	34.04	35.00	Average	189	176	HORIZONTAL
3	5176.86	103.15			97.39	6.67	34.09	35.00	Average	189	176	HORIZONTAL
4	5177.50	113.17			107.41	6.67	34.09	35.00	Peak	189	176	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5131.44	63.37	74.00	-10.63	57.72	6.63	34.02	35.00	Peak	195	181	HORIZONTAL
2	5150.00	52.76	54.00	-1.24	47.08	6.64	34.04	35.00	Average	195	181	HORIZONTAL
3	5232.40	118.51			112.59	6.73	34.19	35.00	Peak	195	181	HORIZONTAL
4	5233.21	109.07			103.15	6.73	34.19	35.00	Average	195	181	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / 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 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.62	66.86	68.20	-1.34	60.23	7.02	34.64	35.03	Peak	190	160	VERTICAL
2	5725.00	69.08	78.20	-9.12	62.47	6.99	34.65	35.03	Peak	190	160	VERTICAL
3	5747.63	112.87			106.31	6.95	34.65	35.04	Peak	190	160	VERTICAL
4	5747.95	103.40			96.84	6.95	34.65	35.04	Average	190	160	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.85	60.17	68.20	-8.03	53.51	7.05	34.64	35.03	Peak	201	186	HORIZONTAL
2	5718.08	62.72	78.20	-15.48	56.09	7.02	34.64	35.03	Peak	201	186	HORIZONTAL
3	5799.01	115.75			109.28	6.86	34.66	35.05	Peak	201	186	HORIZONTAL
4	5799.81	106.49			100.02	6.86	34.66	35.05	Average	201	186	HORIZONTAL
5	5850.00	61.93	78.20	-16.27	55.47	6.85	34.67	35.06	Peak	201	186	HORIZONTAL
6	5860.00	67.17	68.20	-1.03	60.71	6.85	34.67	35.06	Peak	201	186	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / 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 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.90	52.75	54.00	-1.25	47.07	6.64	34.04	35.00	Average	205	166	VERTICAL
2	5149.10	64.78	74.00	-9.22	59.10	6.64	34.04	35.00	Peak	205	166	VERTICAL
3	5226.83	106.59			100.71	6.72	34.16	35.00	Peak	205	166	VERTICAL
4	5227.63	96.70			90.82	6.72	34.16	35.00	Average	205	166	VERTICAL
5	5350.00	45.93	54.00	-8.07	39.73	6.84	34.36	35.00	Average	205	166	VERTICAL
6	5350.00	57.16	74.00	-16.84	50.96	6.84	34.36	35.00	Peak	205	166	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5706.00	67.05	68.20	-1.15	60.42	7.02	34.64	35.03	Peak	200	159	VERTICAL
2	5723.00	69.88	78.20	-8.32	63.27	6.99	34.65	35.03	Peak	200	159	VERTICAL
3	5768.00	95.84			89.32	6.92	34.65	35.05	Average	200	159	VERTICAL
4	5768.00	106.09			99.57	6.92	34.65	35.05	Peak	200	159	VERTICAL
5	5850.00	62.72	78.20	-15.48	56.26	6.85	34.67	35.06	Peak	200	159	VERTICAL
6	5869.00	61.89	68.20	-6.31	55.43	6.85	34.67	35.06	Peak	200	159	VERTICAL

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

Note:

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

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5138.80	52.72	54.00	-1.28	47.07	6.63	34.02	35.00	Average	175	167	VERTICAL
2	5139.80	68.67	74.00	-5.33	63.02	6.63	34.02	35.00	Peak	175	167	VERTICAL
3	5178.20	120.74			114.98	6.67	34.09	35.00	Peak	175	167	VERTICAL
4	5179.00	110.23			104.47	6.67	34.09	35.00	Average	175	167	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.00	49.23	54.00	-4.77	43.58	6.63	34.02	35.00	Average	171	169	VERTICAL
2	5140.80	61.86	74.00	-12.14	56.21	6.63	34.02	35.00	Peak	171	169	VERTICAL
3	5198.40	121.94			116.13	6.69	34.12	35.00	Peak	171	169	VERTICAL
4	5199.20	111.79			105.98	6.69	34.12	35.00	Average	171	169	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5099.00	58.69	74.00	-15.31	53.13	6.60	33.97	35.01	Peak	175	169	VERTICAL
2	5139.80	47.01	54.00	-6.99	41.36	6.63	34.02	35.00	Average	175	169	VERTICAL
3	5237.00	112.56			106.64	6.73	34.19	35.00	Average	175	169	VERTICAL
4	5237.00	122.87			116.95	6.73	34.19	35.00	Peak	175	169	VERTICAL
5	5376.20	48.27	54.00	-5.73	41.98	6.87	34.41	34.99	Average	175	169	VERTICAL
6	5376.80	60.34	74.00	-13.66	54.05	6.87	34.41	34.99	Peak	175	169	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5708.27	64.00	68.20	-4.20	57.37	7.02	34.64	35.03	Peak	220	87	VERTICAL
2	5725.00	76.96	78.20	-1.24	70.35	6.99	34.65	35.03	Peak	220	87	VERTICAL
3	5747.56	119.59			113.03	6.95	34.65	35.04	Peak	220	87	VERTICAL
4	5748.21	108.93			102.37	6.95	34.65	35.04	Average	220	87	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	59.42	68.20	-8.78	52.79	7.02	34.64	35.03	Peak	221	86	VERTICAL
2	5724.36	60.20	78.20	-18.00	53.59	6.99	34.65	35.03	Peak	221	86	VERTICAL
3	5787.89	121.96			115.46	6.89	34.66	35.05	Peak	221	86	VERTICAL
4	5788.53	111.46			104.96	6.89	34.66	35.05	Average	221	86	VERTICAL
5	5850.00	61.46	78.20	-16.74	55.00	6.85	34.67	35.06	Peak	221	86	VERTICAL
6	5860.00	57.83	68.20	-10.37	51.37	6.85	34.67	35.06	Peak	221	86	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5828.21	119.75			113.28	6.86	34.67	35.06	Peak	228	86	VERTICAL
2	5828.37	109.59			103.12	6.86	34.67	35.06	Average	228	86	VERTICAL
3	5850.00	76.58	78.20	-1.62	70.12	6.85	34.67	35.06	Peak	228	86	VERTICAL
4	5860.32	66.18	68.20	-2.02	59.72	6.85	34.67	35.06	Peak	228	86	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5137.60	67.17	74.00	-6.83	61.52	6.63	34.02	35.00	Peak	175	169	VERTICAL
2	5138.60	52.67	54.00	-1.33	47.02	6.63	34.02	35.00	Average	175	169	VERTICAL
3	5178.40	110.10			104.34	6.67	34.09	35.00	Average	175	169	VERTICAL
4	5178.80	119.58			113.82	6.67	34.09	35.00	Peak	175	169	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5138.40	63.24	74.00	-10.76	57.59	6.63	34.02	35.00	Peak	175	167	VERTICAL
2	5139.20	48.89	54.00	-5.11	43.24	6.63	34.02	35.00	Average	175	167	VERTICAL
3	5198.00	121.16			115.35	6.69	34.12	35.00	Peak	175	167	VERTICAL
4	5198.80	110.77			104.96	6.69	34.12	35.00	Average	175	167	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5114.60	58.97	74.00	-15.03	53.38	6.61	33.99	35.01	Peak	175	169	VERTICAL
2	5141.60	46.77	54.00	-7.23	41.12	6.63	34.02	35.00	Average	175	169	VERTICAL
3	5236.40	121.98			116.06	6.73	34.19	35.00	Peak	175	169	VERTICAL
4	5237.00	112.11			106.19	6.73	34.19	35.00	Average	175	169	VERTICAL
5	5370.20	48.13	54.00	-5.87	41.84	6.87	34.41	34.99	Average	175	169	VERTICAL
6	5373.20	59.75	74.00	-14.25	53.46	6.87	34.41	34.99	Peak	175	169	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5708.43	67.05	68.20	-1.15	60.42	7.02	34.64	35.03	Peak	224	88	VERTICAL
2	5724.68	77.19	78.20	-1.01	70.58	6.99	34.65	35.03	Peak	224	88	VERTICAL
3	5747.89	118.97			112.41	6.95	34.65	35.04	Peak	224	88	VERTICAL
4	5748.05	108.70			102.14	6.95	34.65	35.04	Average	224	88	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.44	57.94	68.20	-10.26	51.31	7.02	34.64	35.03	Peak	224	86	VERTICAL
2	5725.00	59.17	78.20	-19.03	52.56	6.99	34.65	35.03	Peak	224	86	VERTICAL
3	5787.89	111.17			104.67	6.89	34.66	35.05	Average	224	86	VERTICAL
4	5788.21	121.24			114.74	6.89	34.66	35.05	Peak	224	86	VERTICAL
5	5850.00	59.38	78.20	-18.82	52.92	6.85	34.67	35.06	Peak	224	86	VERTICAL
6	5860.00	59.25	68.20	-8.95	52.79	6.85	34.67	35.06	Peak	224	86	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5828.21	107.97			101.50	6.86	34.67	35.06	Average	224	87	VERTICAL
2	5828.85	118.05			111.58	6.86	34.67	35.06	Peak	224	87	VERTICAL
3	5850.00	76.52	78.20	-1.68	70.06	6.85	34.67	35.06	Peak	224	87	VERTICAL
4	5860.64	61.49	68.20	-6.71	55.03	6.85	34.67	35.06	Peak	224	87	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.60	64.64	74.00	-9.36	58.96	6.64	34.04	35.00	Peak	180	168	VERTICAL
2	5148.00	52.84	54.00	-1.16	47.16	6.64	34.04	35.00	Average	180	168	VERTICAL
3	5188.00	104.08			98.27	6.69	34.12	35.00	Average	180	168	VERTICAL
4	5188.80	113.63			107.82	6.69	34.12	35.00	Peak	180	168	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.40	52.73	54.00	-1.27	47.05	6.64	34.04	35.00	Average	175	168	VERTICAL
2	5149.60	64.22	74.00	-9.78	58.54	6.64	34.04	35.00	Peak	175	168	VERTICAL
3	5228.20	107.82			101.94	6.72	34.16	35.00	Average	175	168	VERTICAL
4	5228.80	117.93			112.05	6.72	34.16	35.00	Peak	175	168	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	67.09	68.20	-1.11	60.46	7.02	34.64	35.03	Peak	220	86	VERTICAL
2	5725.00	74.73	78.20	-3.47	68.12	6.99	34.65	35.03	Peak	220	86	VERTICAL
3	5756.92	114.94			108.41	6.92	34.65	35.04	Peak	220	86	VERTICAL
4	5758.21	105.01			98.48	6.92	34.65	35.04	Average	220	86	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5697.05	64.12	68.20	-4.08	57.46	7.05	34.64	35.03	Peak	220	88	VERTICAL
2	5716.99	67.91	78.20	-10.29	61.28	7.02	34.64	35.03	Peak	220	88	VERTICAL
3	5798.53	116.19			109.72	6.86	34.66	35.05	Peak	220	88	VERTICAL
4	5799.49	106.03			99.56	6.86	34.66	35.05	Average	220	88	VERTICAL
5	5858.97	70.40	78.20	-7.80	63.94	6.85	34.67	35.06	Peak	220	88	VERTICAL
6	5860.00	67.10	68.20	-1.10	60.64	6.85	34.67	35.06	Peak	220	88	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.20	65.38	74.00	-8.62	59.70	6.64	34.04	35.00	Peak	175	79	VERTICAL
2	5150.00	52.57	54.00	-1.43	46.89	6.64	34.04	35.00	Average	175	79	VERTICAL
3	5229.20	94.70			88.82	6.72	34.16	35.00	Average	175	79	VERTICAL
4	5229.80	106.00			100.12	6.72	34.16	35.00	Peak	175	79	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5697.37	66.90	68.20	-1.30	60.24	7.05	34.64	35.03	Peak	222	85	VERTICAL
2	5724.36	67.86	78.20	-10.34	61.25	6.99	34.65	35.03	Peak	222	85	VERTICAL
3	5757.05	104.52			97.99	6.92	34.65	35.04	Peak	222	85	VERTICAL
4	5757.37	93.93			87.40	6.92	34.65	35.04	Average	222	85	VERTICAL
5	5851.92	61.45	78.20	-16.75	54.99	6.85	34.67	35.06	Peak	222	85	VERTICAL
6	5860.64	61.48	68.20	-6.72	55.02	6.85	34.67	35.06	Peak	222	85	VERTICAL

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

Note:

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

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 17, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.31	52.66	54.00	-1.34	46.98	6.64	34.04	35.00	Average	261	178	HORIZONTAL
2	5147.63	66.30	74.00	-7.70	60.62	6.64	34.04	35.00	Peak	261	178	HORIZONTAL
3	5174.87	110.44			104.68	6.67	34.09	35.00	Average	261	178	HORIZONTAL
4	5181.28	117.95			112.19	6.67	34.09	35.00	Peak	261	178	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.04	67.56	74.00	-6.44	61.88	6.64	34.04	35.00	Peak	207	179	HORIZONTAL
2	5149.68	52.24	54.00	-1.76	46.56	6.64	34.04	35.00	Average	207	179	HORIZONTAL
3	5202.89	122.67			116.83	6.70	34.14	35.00	Peak	207	179	HORIZONTAL
4	5203.21	112.49			106.65	6.70	34.14	35.00	Average	207	179	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.73	47.70	54.00	-6.30	42.02	6.64	34.04	35.00	Average	200	177	VERTICAL
2	5149.14	59.32	74.00	-14.68	53.64	6.64	34.04	35.00	Peak	200	177	VERTICAL
3	5233.75	124.92			119.00	6.73	34.19	35.00	Peak	200	177	VERTICAL
4	5234.71	114.74			108.82	6.73	34.19	35.00	Average	200	177	VERTICAL
5	5361.15	58.51	74.00	-15.49	52.28	6.85	34.38	35.00	Peak	200	177	VERTICAL
6	5376.54	46.39	54.00	-7.61	40.10	6.87	34.41	34.99	Average	200	177	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / 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		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	63.55	68.20	-4.65	56.92	7.02	34.64	35.03	Peak	240	188	HORIZONTAL
2	5724.28	77.19	78.20	-1.01	70.58	6.99	34.65	35.03	Peak	240	188	HORIZONTAL
3	5743.55	120.79			114.23	6.95	34.65	35.04	Peak	240	188	HORIZONTAL
4	5743.99	110.81			104.25	6.95	34.65	35.04	Average	240	188	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.66	63.52	68.20	-4.68	56.89	7.02	34.64	35.03	Peak	177	182	VERTICAL
2	5725.00	61.91	78.20	-16.29	55.30	6.99	34.65	35.03	Peak	177	182	VERTICAL
3	5783.55	117.38			110.88	6.89	34.66	35.05	Average	177	182	VERTICAL
4	5783.55	127.04			120.54	6.89	34.66	35.05	Peak	177	182	VERTICAL
5	5850.00	62.02	78.20	-16.18	55.56	6.85	34.67	35.06	Peak	177	182	VERTICAL
6	5864.34	63.97	68.20	-4.23	57.51	6.85	34.67	35.06	Peak	177	182	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5819.50	121.92			115.45	6.86	34.66	35.05	Peak	253	178	HORIZONTAL
2	5819.79	112.25			105.78	6.86	34.66	35.05	Average	253	178	HORIZONTAL
3	5852.60	70.48	78.20	-7.72	64.02	6.85	34.67	35.06	Peak	253	178	HORIZONTAL
4	5861.01	67.03	68.20	-1.17	60.57	6.85	34.67	35.06	Peak	253	178	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 17, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.40	65.97	74.00	-8.03	57.13	8.15	33.74	33.05	225	344	Peak	HORIZONTAL
2	5149.60	52.75	54.00	-1.25	43.91	8.15	33.74	33.05	225	344	Average	HORIZONTAL
3	5176.80	120.43			111.43	8.26	33.79	33.05	225	344	Peak	HORIZONTAL
4	5177.20	108.79			99.79	8.26	33.79	33.05	225	344	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	52.62	54.00	-1.38	43.78	8.15	33.74	33.05	100	351	Average	VERTICAL
2	5150.00	68.76	74.00	-5.24	59.92	8.15	33.74	33.05	100	351	Peak	VERTICAL
3	5207.60	121.78			112.68	8.31	33.84	33.05	100	351	Peak	VERTICAL
4	5208.00	110.05			100.95	8.31	33.84	33.05	100	351	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	48.05	54.00	-5.95	39.21	8.15	33.74	33.05	100	357	Average	VERTICAL
2	5150.00	61.69	74.00	-12.31	52.85	8.15	33.74	33.05	100	357	Peak	VERTICAL
3	5243.00	112.42			103.30	8.29	33.89	33.06	100	357	Average	VERTICAL
4	5244.20	124.61			115.49	8.29	33.89	33.06	100	357	Peak	VERTICAL
5	5350.00	48.36	54.00	-5.64	39.16	8.20	34.06	33.06	100	357	Average	VERTICAL
6	5360.80	61.52	74.00	-12.48	52.31	8.19	34.08	33.06	100	357	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / 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		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.55	64.58	68.20	-3.62	57.95	7.02	34.64	35.03	Peak	224	182	HORIZONTAL
2	5725.00	77.01	78.20	-1.19	70.40	6.99	34.65	35.03	Peak	224	182	HORIZONTAL
3	5746.45	110.86			104.30	6.95	34.65	35.04	Average	224	182	HORIZONTAL
4	5746.59	122.24			115.68	6.95	34.65	35.04	Peak	224	182	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5694.02	63.67	68.20	-4.53	57.01	7.05	34.64	35.03	Peak	250	179	HORIZONTAL
2	5720.66	65.19	78.20	-13.01	58.56	7.02	34.64	35.03	Peak	250	179	HORIZONTAL
3	5779.21	115.33			108.83	6.89	34.66	35.05	Average	250	179	HORIZONTAL
4	5786.45	125.75			119.25	6.89	34.66	35.05	Peak	250	179	HORIZONTAL
5	5852.17	63.41	78.20	-14.79	56.95	6.85	34.67	35.06	Peak	250	179	HORIZONTAL
6	5874.47	62.97	68.20	-5.23	56.50	6.85	34.68	35.06	Peak	250	179	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5830.21	112.59			106.12	6.86	34.67	35.06	Average	188	172	HORIZONTAL
2	5830.21	122.79			116.32	6.86	34.67	35.06	Peak	188	172	HORIZONTAL
3	5850.00	77.16	78.20	-1.04	70.70	6.85	34.67	35.06	Peak	188	172	HORIZONTAL
4	5863.76	66.32	68.20	-1.88	59.86	6.85	34.67	35.06	Peak	188	172	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / 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		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.68	52.61	54.00	-1.39	46.93	6.64	34.04	35.00	Average	184	176	VERTICAL
2	5147.68	66.78	74.00	-7.22	61.10	6.64	34.04	35.00	Peak	184	176	VERTICAL
3	5186.24	102.98			97.22	6.67	34.09	35.00	Average	184	176	VERTICAL
4	5187.11	113.78			107.97	6.69	34.12	35.00	Peak	184	176	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.95	65.67	74.00	-8.33	59.99	6.64	34.04	35.00	Peak	170	175	VERTICAL
2	5147.68	52.99	54.00	-1.01	47.31	6.64	34.04	35.00	Average	170	175	VERTICAL
3	5226.24	119.64			113.76	6.72	34.16	35.00	Peak	170	175	VERTICAL
4	5226.82	110.01			104.13	6.72	34.16	35.00	Average	170	175	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / 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		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.71	67.07	68.20	-1.13	60.44	7.02	34.64	35.03	Peak	236	167	HORIZONTAL
2	5725.00	73.98	78.20	-4.22	67.37	6.99	34.65	35.03	Peak	236	167	HORIZONTAL
3	5746.03	107.21			100.65	6.95	34.65	35.04	Average	236	167	HORIZONTAL
4	5746.32	117.39			110.83	6.95	34.65	35.04	Peak	236	167	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.26	67.10	68.20	-1.10	60.47	7.02	34.64	35.03	Peak	269	178	HORIZONTAL
2	5722.40	67.60	78.20	-10.60	60.99	6.99	34.65	35.03	Peak	269	178	HORIZONTAL
3	5788.92	119.92			113.45	6.86	34.66	35.05	Peak	269	178	HORIZONTAL
4	5789.21	110.10			103.63	6.86	34.66	35.05	Average	269	178	HORIZONTAL
5	5850.00	70.82	78.20	-7.38	64.36	6.85	34.67	35.06	Peak	269	178	HORIZONTAL
6	5862.89	66.22	68.20	-1.98	59.76	6.85	34.67	35.06	Peak	269	178	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / 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		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.55	64.24	74.00	-9.76	58.56	6.64	34.04	35.00	Peak	169	173	VERTICAL
2	5150.00	52.79	54.00	-1.21	47.11	6.64	34.04	35.00	Average	169	173	VERTICAL
3	5228.09	96.70			90.82	6.72	34.16	35.00	Average	169	173	VERTICAL
4	5228.09	106.56			100.68	6.72	34.16	35.00	Peak	169	173	VERTICAL
5	5350.00	48.15	54.00	-5.85	41.95	6.84	34.36	35.00	Average	169	173	VERTICAL
6	5360.13	60.21	74.00	-13.79	53.98	6.85	34.38	35.00	Peak	169	173	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5705.59	67.20	68.20	-1.00	60.54	7.05	34.64	35.03	Peak	172	181	VERTICAL
2	5722.11	72.47	78.20	-5.73	65.84	7.02	34.64	35.03	Peak	172	181	VERTICAL
3	5753.29	98.60			92.04	6.95	34.65	35.04	Average	172	181	VERTICAL
4	5753.29	108.25			101.69	6.95	34.65	35.04	Peak	172	181	VERTICAL
5	5852.89	65.33	78.20	-12.87	58.87	6.85	34.67	35.06	Peak	172	181	VERTICAL
6	5874.47	63.62	68.20	-4.58	57.15	6.85	34.68	35.06	Peak	172	181	VERTICAL

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

Note:

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 12, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.74	52.40	54.00	-1.60	46.72	6.64	34.04	35.00	Average	174	176	VERTICAL
2	5141.03	65.83	74.00	-8.17	60.15	6.64	34.04	35.00	Peak	174	176	VERTICAL
3	5180.87	116.75			110.99	6.67	34.09	35.00	Average	174	176	VERTICAL
4	5180.87	126.24			120.48	6.67	34.09	35.00	Peak	174	176	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.97	54.00	-1.03	47.29	6.64	34.04	35.00	Average	169	2	VERTICAL
2	5150.00	65.59	74.00	-8.41	59.91	6.64	34.04	35.00	Peak	169	2	VERTICAL
3	5201.20	116.57			110.76	6.69	34.12	35.00	Average	169	2	VERTICAL
4	5201.20	126.75			120.94	6.69	34.12	35.00	Peak	169	2	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5126.00	64.80	74.00	-9.20	59.17	6.62	34.01	35.00	Peak	167	3	VERTICAL
2	5142.80	52.52	54.00	-1.48	46.84	6.64	34.04	35.00	Average	167	3	VERTICAL
3	5238.80	127.56			121.67	6.72	34.17	35.00	Peak	167	3	VERTICAL
4	5239.40	117.39			111.50	6.72	34.17	35.00	Average	167	3	VERTICAL
5	5355.20	51.84	54.00	-2.16	45.65	6.83	34.36	35.00	Average	167	3	VERTICAL
6	5363.00	64.76	74.00	-9.24	58.54	6.83	34.39	35.00	Peak	167	3	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / 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		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.20	65.50	68.20	-2.70	58.88	7.01	34.64	35.03	Peak	179	1	VERTICAL
2	5725.00	76.76	78.20	-1.44	70.14	7.01	34.64	35.03	Peak	179	1	VERTICAL
3	5751.80	110.19			103.64	6.94	34.65	35.04	Average	179	1	VERTICAL
4	5751.80	120.95			114.40	6.94	34.65	35.04	Peak	179	1	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5708.60	66.72	68.20	-1.48	60.10	7.01	34.64	35.03	Peak	189	2	HORIZONTAL
2	5720.60	70.05	78.20	-8.15	63.43	7.01	34.64	35.03	Peak	189	2	HORIZONTAL
3	5778.60	127.65			121.14	6.90	34.66	35.05	Peak	189	2	HORIZONTAL
4	5779.40	116.16			109.65	6.90	34.66	35.05	Average	189	2	HORIZONTAL
5	5850.80	66.15	78.20	-12.05	59.69	6.85	34.67	35.06	Peak	189	2	HORIZONTAL
6	5861.40	65.86	68.20	-2.34	59.41	6.85	34.67	35.07	Peak	189	2	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5818.60	125.29			118.83	6.86	34.66	35.06	Peak	201	4	HORIZONTAL
2	5819.80	114.55			108.08	6.86	34.67	35.06	Average	201	4	HORIZONTAL
3	5851.40	76.14	78.20	-2.06	69.68	6.85	34.67	35.06	Peak	201	4	HORIZONTAL
4	5860.00	66.83	68.20	-1.37	60.38	6.85	34.67	35.07	Peak	201	4	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / 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		

Channel 36

	Freq	Level	Line	Limit	Level	Loss	Factor	Factor	Remark			Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.13	67.06	74.00	-6.94	61.38	6.64	34.04	35.00	Peak	174	182	HORIZONTAL
2	5149.57	52.97	54.00	-1.03	47.29	6.64	34.04	35.00	Average	174	182	HORIZONTAL
3	5176.53	115.71			109.95	6.67	34.09	35.00	Average	174	182	HORIZONTAL
4	5176.53	126.58			120.82	6.67	34.09	35.00	Peak	174	182	HORIZONTAL

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

Channel 40

	Freq	Level	Line	Limit	Level	Loss	Factor	Factor	Remark			Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.53	65.77	74.00	-8.23	60.09	6.64	34.04	35.00	Peak	180	178	VERTICAL
2	5146.96	52.87	54.00	-1.13	47.19	6.64	34.04	35.00	Average	180	178	VERTICAL
3	5201.30	118.21			112.40	6.69	34.12	35.00	Average	180	178	VERTICAL
4	5201.74	129.39			123.58	6.69	34.12	35.00	Peak	180	178	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5119.40	52.64	54.00	-1.36	47.04	6.61	33.99	35.00	Average	201	355	VERTICAL
2	5135.60	64.66	74.00	-9.34	59.03	6.62	34.01	35.00	Peak	201	355	VERTICAL
3	5246.60	117.71			111.77	6.74	34.20	35.00	Average	201	355	VERTICAL
4	5247.20	128.62			122.68	6.74	34.20	35.00	Peak	201	355	VERTICAL
5	5355.20	66.83	74.00	-7.17	60.64	6.83	34.36	35.00	Peak	201	355	VERTICAL
6	5376.20	52.87	54.00	-1.13	46.62	6.85	34.39	34.99	Average	201	355	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / 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		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.20	65.12	68.20	-3.08	58.50	7.01	34.64	35.03	Peak	174	3	VERTICAL
2	5725.00	77.09	78.20	-1.11	70.47	7.01	34.64	35.03	Peak	174	3	VERTICAL
3	5750.20	120.14			113.59	6.94	34.65	35.04	Peak	174	3	VERTICAL
4	5751.00	109.02			102.47	6.94	34.65	35.04	Average	174	3	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5701.60	64.92	68.20	-3.28	58.26	7.05	34.64	35.03	Peak	185	355	HORIZONTAL
2	5722.00	65.26	78.20	-12.94	58.64	7.01	34.64	35.03	Peak	185	355	HORIZONTAL
3	5781.40	126.62			120.11	6.90	34.66	35.05	Peak	185	355	HORIZONTAL
4	5782.00	115.58			109.07	6.90	34.66	35.05	Average	185	355	HORIZONTAL
5	5852.80	63.82	78.20	-14.38	57.36	6.85	34.67	35.06	Peak	185	355	HORIZONTAL
6	5874.40	65.38	68.20	-2.82	58.92	6.85	34.68	35.07	Peak	185	355	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5830.20	122.06			115.60	6.85	34.67	35.06	Peak	174	4	VERTICAL
2	5831.00	110.74			104.28	6.85	34.67	35.06	Average	174	4	VERTICAL
3	5850.00	77.14	78.20	-1.06	70.68	6.85	34.67	35.06	Peak	174	4	VERTICAL
4	5862.40	64.06	68.20	-4.14	57.61	6.85	34.67	35.07	Peak	174	4	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 13, 2015 ~ Nov. 14, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna 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	52.96	54.00	-1.04	47.28	6.64	34.04	35.00	Average	175	1	HORIZONTAL
2	5150.00	64.25	74.00	-9.75	58.57	6.64	34.04	35.00	Peak	175	1	HORIZONTAL
3	5190.80	106.01			100.20	6.69	34.12	35.00	Average	175	1	HORIZONTAL
4	5191.20	117.61			111.80	6.69	34.12	35.00	Peak	175	1	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.84	54.00	-1.16	47.16	6.64	34.04	35.00	Average	175	359	HORIZONTAL
2	5150.00	65.63	74.00	-8.37	59.95	6.64	34.04	35.00	Peak	175	359	HORIZONTAL
3	5231.60	113.18			107.29	6.72	34.17	35.00	Average	175	359	HORIZONTAL
4	5232.00	122.90			117.01	6.72	34.17	35.00	Peak	175	359	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / 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		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	66.91	68.20	-1.29	60.29	7.01	34.64	35.03	Peak	180	2	VERTICAL
2	5723.40	67.96	78.20	-10.24	61.34	7.01	34.64	35.03	Peak	180	2	VERTICAL
3	5743.00	103.39			96.81	6.97	34.65	35.04	Average	180	2	VERTICAL
4	5762.60	113.59			107.05	6.94	34.65	35.05	Peak	180	2	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5801.00	117.87			111.40	6.86	34.66	35.05	Peak	175	4	VERTICAL
2	5802.00	107.55			101.08	6.86	34.66	35.05	Average	175	4	VERTICAL
3	5850.00	66.15	78.20	-12.05	59.69	6.85	34.67	35.06	Peak	175	4	VERTICAL
4	5860.00	66.84	68.20	-1.36	60.39	6.85	34.67	35.07	Peak	175	4	VERTICAL

Item 1, 2 are the fundamental frequency at 5795 MHz.

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / 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		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.40	68.06	74.00	-5.94	62.38	6.64	34.04	35.00	Peak	175	2	HORIZONTAL
2	5150.00	52.72	54.00	-1.28	47.04	6.64	34.04	35.00	Average	175	2	HORIZONTAL
3	5190.80	99.20			93.39	6.69	34.12	35.00	Average	175	2	HORIZONTAL
4	5190.80	109.39			103.58	6.69	34.12	35.00	Peak	175	2	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.00	66.78	68.20	-1.42	60.16	7.01	34.64	35.03	Peak	178	352	HORIZONTAL
2	5725.00	69.67	78.20	-8.53	63.05	7.01	34.64	35.03	Peak	178	352	HORIZONTAL
3	5753.00	98.77			92.22	6.94	34.65	35.04	Average	178	352	HORIZONTAL
4	5753.00	108.30			101.75	6.94	34.65	35.04	Peak	178	352	HORIZONTAL
5	5852.00	66.07	78.20	-12.13	59.61	6.85	34.67	35.06	Peak	178	352	HORIZONTAL
6	5862.00	65.24	68.20	-2.96	58.79	6.85	34.67	35.07	Peak	178	352	HORIZONTAL

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

Note:

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 12, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Aux Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	dB	deg	cm		
1	5149.80	64.96	74.00	-9.04	60.32	5.84	33.27	34.47	0.00	349	200	Peak	VERTICAL
2	5150.00	52.90	54.00	-1.10	48.26	5.84	33.27	34.47	0.00	349	200	Average	VERTICAL
3	5172.40	107.02			102.36	5.83	33.30	34.47	0.00	349	200	Average	VERTICAL
4	5173.00	117.62			112.96	5.83	33.30	34.47	0.00	349	200	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Aux Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	dB	deg	cm		
1	5147.60	63.92	74.00	-10.08	59.28	5.84	33.27	34.47	0.00	357	207	Peak	VERTICAL
2	5150.00	51.49	54.00	-2.51	46.85	5.84	33.27	34.47	0.00	357	207	Average	VERTICAL
3	5192.40	110.95			106.25	5.81	33.36	34.47	0.00	357	207	Average	VERTICAL
4	5192.80	121.55			116.85	5.81	33.36	34.47	0.00	357	207	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Aux Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	dB	deg	cm		
1	5143.40	59.68	74.00	-14.32	55.04	5.84	33.27	34.47	0.00	16	192	Peak	VERTICAL
2	5143.40	47.16	54.00	-6.84	42.52	5.84	33.27	34.47	0.00	16	192	Average	VERTICAL
3	5238.20	124.88			120.14	5.79	33.42	34.47	0.00	16	192	Peak	VERTICAL
4	5239.40	114.38			109.64	5.79	33.42	34.47	0.00	16	192	Average	VERTICAL
5	5350.00	46.21	54.00	-7.79	41.32	5.73	33.63	34.47	0.00	16	192	Average	VERTICAL
6	5376.20	58.78	74.00	-15.22	53.86	5.73	33.66	34.47	0.00	16	192	Peak	VERTICAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 12, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Aux Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	dB	deg	cm		
1	5712.20	49.88	54.00	-4.12	44.09	5.78	34.52	34.51	0.00	12	181	Average	HORIZONTAL
2	5712.40	64.86	74.00	-9.14	59.07	5.78	34.52	34.51	0.00	12	181	Peak	HORIZONTAL
3	5724.00	77.07	78.20	-1.13	71.22	5.79	34.57	34.51	0.00	12	181	Peak	HORIZONTAL
4	5743.20	119.40			113.50	5.80	34.62	34.52	0.00	12	181	Peak	HORIZONTAL
5	5743.80	108.60			102.70	5.80	34.62	34.52	0.00	12	181	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Aux Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	dB	deg	cm		
1	5715.00	62.71	74.00	-11.29	56.92	5.78	34.52	34.51	0.00	5	179	Peak	VERTICAL
2	5715.00	49.12	54.00	-4.88	43.33	5.78	34.52	34.51	0.00	5	179	Average	VERTICAL
3	5723.40	67.41	78.20	-10.79	61.56	5.79	34.57	34.51	0.00	5	179	Peak	VERTICAL
4	5787.80	123.93			117.84	5.84	34.78	34.53	0.00	5	179	Peak	VERTICAL
5	5788.20	113.11			107.02	5.84	34.78	34.53	0.00	5	179	Average	VERTICAL
6	5850.00	67.76	78.20	-10.44	61.50	5.87	34.93	34.54	0.00	5	179	Peak	VERTICAL
7	5861.00	63.08	74.00	-10.92	56.75	5.88	34.99	34.54	0.00	5	179	Peak	VERTICAL
8	5866.20	48.33	54.00	-5.67	42.00	5.88	34.99	34.54	0.00	5	179	Average	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Aux Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	dB	deg	cm		
1	5828.80	120.89			114.68	5.86	34.88	34.53	0.00	4	180	Peak	VERTICAL
2	5829.00	109.50			103.29	5.86	34.88	34.53	0.00	4	180	Average	VERTICAL
3	5850.00	75.17	78.20	-3.03	68.91	5.87	34.93	34.54	0.00	4	180	Peak	VERTICAL
4	5860.00	66.87	74.00	-7.13	60.54	5.88	34.99	34.54	0.00	4	180	Peak	VERTICAL
5	5860.20	52.33	54.00	-1.67	46.00	5.88	34.99	34.54	0.00	4	180	Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 12, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Aux Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	dB	deg	cm		
1	5149.40	65.84	74.00	-8.16	61.20	5.84	33.27	34.47	0.00	13	187	Peak	HORIZONTAL
2	5150.00	52.37	54.00	-1.63	47.73	5.84	33.27	34.47	0.00	13	187	Average	HORIZONTAL
3	5185.20	118.07			113.39	5.82	33.33	34.47	0.00	13	187	Peak	HORIZONTAL
4	5185.20	106.28			101.60	5.82	33.33	34.47	0.00	13	187	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Aux Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	dB	deg	cm		
1	5149.20	65.99	74.00	-8.01	61.35	5.84	33.27	34.47	0.00	5	195	Peak	HORIZONTAL
2	5150.00	52.62	54.00	-1.38	47.98	5.84	33.27	34.47	0.00	5	195	Average	HORIZONTAL
3	5205.60	122.51			117.81	5.81	33.36	34.47	0.00	5	195	Peak	HORIZONTAL
4	5206.40	110.79			106.09	5.81	33.36	34.47	0.00	5	195	Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Aux Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	dB	deg	cm		
1	5140.40	59.21	74.00	-14.79	54.57	5.84	33.27	34.47	0.00	5	186	Peak	HORIZONTAL
2	5144.60	46.20	54.00	-7.80	41.56	5.84	33.27	34.47	0.00	5	186	Average	HORIZONTAL
3	5239.40	109.25			104.51	5.79	33.42	34.47	0.00	5	186	Average	HORIZONTAL
4	5240.60	120.81			116.07	5.79	33.42	34.47	0.00	5	186	Peak	HORIZONTAL
5	5381.60	58.95	74.00	-15.05	54.01	5.72	33.69	34.47	0.00	5	186	Peak	HORIZONTAL
6	5381.60	45.74	54.00	-8.26	40.80	5.72	33.69	34.47	0.00	5	186	Average	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 19, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.59	66.82	68.20	-1.38	60.19	7.02	34.64	35.03	Peak	178	171	HORIZONTAL
2	5721.92	77.18	78.20	-1.02	70.55	7.02	34.64	35.03	Peak	178	171	HORIZONTAL
3	5752.37	117.99			111.43	6.95	34.65	35.04	Peak	178	171	HORIZONTAL
4	5753.01	107.98			101.42	6.95	34.65	35.04	Average	178	171	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.89	65.10	68.20	-3.10	58.47	7.02	34.64	35.03	Peak	172	170	HORIZONTAL
2	5722.50	65.18	78.20	-13.02	58.57	6.99	34.65	35.03	Peak	172	170	HORIZONTAL
3	5792.69	121.23			114.76	6.86	34.66	35.05	Peak	172	170	HORIZONTAL
4	5793.17	111.38			104.91	6.86	34.66	35.05	Average	172	170	HORIZONTAL
5	5851.35	66.07	78.20	-12.13	59.61	6.85	34.67	35.06	Peak	172	170	HORIZONTAL
6	5883.56	61.23	68.20	-6.97	54.77	6.85	34.68	35.07	Peak	172	170	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5829.17	108.12			101.65	6.86	34.67	35.06	Average	166	179	VERTICAL
2	5829.97	119.07			112.60	6.86	34.67	35.06	Peak	166	179	VERTICAL
3	5850.16	76.97	78.20	-1.23	70.51	6.85	34.67	35.06	Peak	166	179	VERTICAL
4	5860.42	62.01	68.20	-6.19	55.55	6.85	34.67	35.06	Peak	166	179	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 19, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.00	64.68	74.00	-9.32	59.03	6.63	34.02	35.00	Peak	184	174	VERTICAL
2	5150.00	52.80	54.00	-1.20	47.12	6.64	34.04	35.00	Average	184	174	VERTICAL
3	5180.71	104.66			98.90	6.67	34.09	35.00	Average	184	174	VERTICAL
4	5181.35	115.87			110.11	6.67	34.09	35.00	Peak	184	174	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5142.02	52.63	54.00	-1.37	46.95	6.64	34.04	35.00	Average	188	170	VERTICAL
2	5142.50	63.95	74.00	-10.05	58.27	6.64	34.04	35.00	Peak	188	170	VERTICAL
3	5221.35	117.98			112.10	6.72	34.16	35.00	Peak	188	170	VERTICAL
4	5221.83	108.00			102.12	6.72	34.16	35.00	Average	188	170	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 19, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.37	66.83	68.20	-1.37	60.20	7.02	34.64	35.03	Peak	185	173	HORIZONTAL
2	5723.27	71.09	78.20	-7.11	64.48	6.99	34.65	35.03	Peak	185	173	HORIZONTAL
3	5762.37	113.74			107.21	6.92	34.65	35.04	Peak	185	173	HORIZONTAL
4	5763.33	103.61			97.08	6.92	34.65	35.04	Average	185	173	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5704.62	65.36	68.20	-2.84	58.70	7.05	34.64	35.03	Peak	177	172	HORIZONTAL
2	5722.40	68.68	78.20	-9.52	62.07	6.99	34.65	35.03	Peak	177	172	HORIZONTAL
3	5783.46	117.38			110.88	6.89	34.66	35.05	Peak	177	172	HORIZONTAL
4	5783.94	107.07			100.57	6.89	34.66	35.05	Average	177	172	HORIZONTAL
5	5855.77	66.52	78.20	-11.68	60.06	6.85	34.67	35.06	Peak	177	172	HORIZONTAL
6	5863.75	67.03	68.20	-1.17	60.57	6.85	34.67	35.06	Peak	177	172	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 19, 2015 ~ Nov. 20, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.29	52.77	54.00	-1.23	47.12	6.63	34.02	35.00	Average	189	174	VERTICAL
2	5141.09	65.03	74.00	-8.97	59.38	6.63	34.02	35.00	Peak	189	174	VERTICAL
3	5200.39	104.92			99.11	6.69	34.12	35.00	Peak	189	174	VERTICAL
4	5201.19	94.82			89.01	6.69	34.12	35.00	Average	189	174	VERTICAL
5	5350.00	49.20	54.00	-4.80	43.00	6.84	34.36	35.00	Average	189	174	VERTICAL
6	5350.00	60.30	74.00	-13.70	54.10	6.84	34.36	35.00	Peak	189	174	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5707.69	67.10	68.20	-1.10	60.47	7.02	34.64	35.03	Peak	176	162	VERTICAL
2	5723.40	67.17	78.20	-11.03	60.56	6.99	34.65	35.03	Peak	176	162	VERTICAL
3	5787.82	105.03			98.53	6.89	34.66	35.05	Peak	176	162	VERTICAL
4	5788.62	95.29			88.79	6.89	34.66	35.05	Average	176	162	VERTICAL
5	5851.60	63.08	78.20	-15.12	56.62	6.85	34.67	35.06	Peak	176	162	VERTICAL
6	5869.55	64.39	68.20	-3.81	57.93	6.85	34.67	35.06	Peak	176	162	VERTICAL

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

Note:

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 19, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5119.80	51.96	54.00	-2.04	46.37	6.61	33.99	35.01	Average	173	174	VERTICAL
2	5138.90	63.31	74.00	-10.69	57.66	6.63	34.02	35.00	Peak	173	174	VERTICAL
3	5178.84	113.47			107.71	6.67	34.09	35.00	Average	173	174	VERTICAL
4	5178.84	122.62			116.86	6.67	34.09	35.00	Peak	173	174	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5119.87	52.85	54.00	-1.15	47.26	6.61	33.99	35.01	Average	154	175	HORIZONTAL
2	5120.19	61.13	74.00	-12.87	55.54	6.61	33.99	35.01	Peak	154	175	HORIZONTAL
3	5202.89	111.41			105.57	6.70	34.14	35.00	Average	154	175	HORIZONTAL
4	5203.21	121.57			115.73	6.70	34.14	35.00	Peak	154	175	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5120.17	52.50	54.00	-1.50	46.91	6.61	33.99	35.01	Average	172	175	VERTICAL
2	5120.17	61.81	74.00	-12.19	56.22	6.61	33.99	35.01	Peak	172	175	VERTICAL
3	5234.36	123.41			117.49	6.73	34.19	35.00	Peak	172	175	VERTICAL
4	5234.79	112.58			106.66	6.73	34.19	35.00	Average	172	175	VERTICAL
5	5350.27	63.38	74.00	-10.62	57.18	6.84	34.36	35.00	Peak	172	175	VERTICAL
6	5386.31	50.55	54.00	-3.45	44.23	6.88	34.43	34.99	Average	172	175	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / 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		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna 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	66.65	68.20	-1.55	60.02	7.02	34.64	35.03	Peak	148	179	VERTICAL
2	5725.00	72.06	78.20	-6.14	65.45	6.99	34.65	35.03	Peak	148	179	VERTICAL
3	5751.25	113.57			107.01	6.95	34.65	35.04	Average	148	179	VERTICAL
4	5751.73	124.18			117.62	6.95	34.65	35.04	Peak	148	179	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5701.67	66.69	68.20	-1.51	60.03	7.05	34.64	35.03	Peak	149	175	VERTICAL
2	5723.72	65.20	78.20	-13.00	58.59	6.99	34.65	35.03	Peak	149	175	VERTICAL
3	5778.59	129.00			122.50	6.89	34.66	35.05	Peak	149	175	VERTICAL
4	5779.87	117.61			111.11	6.89	34.66	35.05	Average	149	175	VERTICAL
5	5857.69	65.14	78.20	-13.06	58.68	6.85	34.67	35.06	Peak	149	175	VERTICAL
6	5872.82	65.96	68.20	-2.24	59.50	6.85	34.67	35.06	Peak	149	175	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5823.08	124.43			117.96	6.86	34.67	35.06	Peak	151	182	VERTICAL
2	5824.04	113.80			107.33	6.86	34.67	35.06	Average	151	182	VERTICAL
3	5855.45	66.86	78.20	-11.34	60.40	6.85	34.67	35.06	Peak	151	182	VERTICAL
4	5860.26	66.56	68.20	-1.64	60.10	6.85	34.67	35.06	Peak	151	182	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / 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		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5119.74	52.25	54.00	-1.75	46.66	6.61	33.99	35.01	Average	148	176	HORIZONTAL
2	5119.74	61.57	74.00	-12.43	55.98	6.61	33.99	35.01	Peak	148	176	HORIZONTAL
3	5181.60	120.84			115.08	6.67	34.09	35.00	Peak	148	176	HORIZONTAL
4	5182.56	109.10			103.34	6.67	34.09	35.00	Average	148	176	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5119.87	52.93	54.00	-1.07	47.34	6.61	33.99	35.01	Average	154	175	HORIZONTAL
2	5119.87	61.88	74.00	-12.12	56.29	6.61	33.99	35.01	Peak	154	175	HORIZONTAL
3	5202.89	110.18			104.34	6.70	34.14	35.00	Average	154	175	HORIZONTAL
4	5203.21	121.58			115.74	6.70	34.14	35.00	Peak	154	175	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5119.81	52.94	54.00	-1.06	47.35	6.61	33.99	35.01	Average	151	176	HORIZONTAL
2	5119.81	62.11	74.00	-11.89	56.52	6.61	33.99	35.01	Peak	151	176	HORIZONTAL
3	5238.40	109.83			103.91	6.73	34.19	35.00	Average	151	176	HORIZONTAL
4	5241.60	121.28			115.36	6.73	34.19	35.00	Peak	151	176	HORIZONTAL
5	5365.80	62.21	74.00	-11.79	55.97	6.85	34.38	34.99	Peak	151	176	HORIZONTAL
6	5424.30	51.76	54.00	-2.24	45.33	6.94	34.48	34.99	Average	151	176	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / 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		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5711.35	66.84	68.20	-1.36	60.21	7.02	34.64	35.03	Peak	149	178	VERTICAL
2	5722.56	69.34	78.20	-8.86	62.73	6.99	34.65	35.03	Peak	149	178	VERTICAL
3	5751.41	113.00			106.44	6.95	34.65	35.04	Average	149	178	VERTICAL
4	5751.41	124.33			117.77	6.95	34.65	35.04	Peak	149	178	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5701.67	66.40	68.20	-1.80	59.74	7.05	34.64	35.03	Peak	155	175	VERTICAL
2	5725.00	65.25	78.20	-12.95	58.64	6.99	34.65	35.03	Peak	155	175	VERTICAL
3	5778.59	128.16			121.66	6.89	34.66	35.05	Peak	155	175	VERTICAL
4	5779.39	116.77			110.27	6.89	34.66	35.05	Average	155	175	VERTICAL
5	5857.60	65.64	78.20	-12.56	59.18	6.85	34.67	35.06	Peak	155	175	VERTICAL
6	5876.35	67.01	68.20	-1.19	60.54	6.85	34.68	35.06	Peak	155	175	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5819.39	112.87			106.40	6.86	34.66	35.05	Average	159	175	VERTICAL
2	5821.80	124.17			117.71	6.86	34.66	35.06	Peak	159	175	VERTICAL
3	5850.00	70.37	78.20	-7.83	63.91	6.85	34.67	35.06	Peak	159	175	VERTICAL
4	5861.86	66.99	68.20	-1.21	60.53	6.85	34.67	35.06	Peak	159	175	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / 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		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5119.49	52.60	54.00	-1.40	47.01	6.61	33.99	35.01	Average	153	178	VERTICAL
2	5140.32	64.45	74.00	-9.55	58.80	6.63	34.02	35.00	Peak	153	178	VERTICAL
3	5181.99	115.97			110.21	6.67	34.09	35.00	Peak	153	178	VERTICAL
4	5182.79	105.76			100.00	6.67	34.09	35.00	Average	153	178	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5120.22	52.59	54.00	-1.41	47.00	6.61	33.99	35.01	Average	156	176	HORIZONTAL
2	5136.25	62.12	74.00	-11.88	56.47	6.63	34.02	35.00	Peak	156	176	HORIZONTAL
3	5231.60	107.54			101.66	6.72	34.16	35.00	Average	156	176	HORIZONTAL
4	5231.60	117.08			111.20	6.72	34.16	35.00	Peak	156	176	HORIZONTAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / 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		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.97	70.12	74.00	-3.88	63.49	7.02	34.64	35.03	Peak	148	179	VERTICAL
2	5715.00	52.87	54.00	-1.13	46.24	7.02	34.64	35.03	Average	148	179	VERTICAL
3	5725.00	75.52	78.20	-2.68	68.91	6.99	34.65	35.03	Peak	148	179	VERTICAL
4	5760.45	109.68			103.15	6.92	34.65	35.04	Average	148	179	VERTICAL
5	5762.37	120.12			113.59	6.92	34.65	35.04	Peak	148	179	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5693.56	64.38	74.00	-9.62	57.72	7.05	34.64	35.03	Peak	154	176	HORIZONTAL
2	5711.83	52.78	54.00	-1.22	46.15	7.02	34.64	35.03	Average	154	176	HORIZONTAL
3	5722.60	62.81	78.20	-15.39	56.20	6.99	34.65	35.03	Peak	154	176	HORIZONTAL
4	5787.31	120.11			113.61	6.89	34.66	35.05	Peak	154	176	HORIZONTAL
5	5787.79	109.93			103.43	6.89	34.66	35.05	Average	154	176	HORIZONTAL
6	5850.29	66.66	78.20	-11.54	60.20	6.85	34.67	35.06	Peak	154	176	HORIZONTAL
7	5860.00	67.24	74.00	-6.76	60.78	6.85	34.67	35.06	Peak	154	176	HORIZONTAL
8	5885.87	52.17	54.00	-1.83	45.71	6.85	34.68	35.07	Average	154	176	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / 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		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5143.49	70.47	74.00	-3.53	64.79	6.64	34.04	35.00	Peak	150	176	VERTICAL
2	5150.00	52.43	54.00	-1.57	46.75	6.64	34.04	35.00	Average	150	176	VERTICAL
3	5208.40	101.25			95.41	6.70	34.14	35.00	Average	150	176	VERTICAL
4	5228.43	111.70			105.82	6.72	34.16	35.00	Peak	150	176	VERTICAL
5	5439.97	61.58	74.00	-12.42	55.11	6.96	34.50	34.99	Peak	150	176	VERTICAL
6	5440.77	52.75	54.00	-1.25	46.28	6.96	34.50	34.99	Average	150	176	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5703.69	68.21	74.00	-5.79	61.55	7.05	34.64	35.03	Peak	151	184	VERTICAL
2	5714.10	52.92	54.00	-1.08	46.29	7.02	34.64	35.03	Average	151	184	VERTICAL
3	5720.51	73.30	78.20	-4.90	66.67	7.02	34.64	35.03	Peak	151	184	VERTICAL
4	5753.37	99.82			93.26	6.95	34.65	35.04	Average	151	184	VERTICAL
5	5754.17	109.72			103.16	6.95	34.65	35.04	Peak	151	184	VERTICAL
6	5857.53	65.37	78.20	-12.83	58.91	6.85	34.67	35.06	Peak	151	184	VERTICAL
7	5867.95	65.31	74.00	-8.69	58.85	6.85	34.67	35.06	Peak	151	184	VERTICAL
8	5869.55	51.30	54.00	-2.70	44.84	6.85	34.67	35.06	Average	151	184	VERTICAL

Item 4, 5 are the fundamental frequency at 5775 MHz.

Note:

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.60	66.67	74.00	-7.33	60.99	6.64	34.04	35.00	Peak	153	304	VERTICAL
2	5150.00	52.90	54.00	-1.10	47.22	6.64	34.04	35.00	Average	153	304	VERTICAL
3	5179.00	111.31			105.55	6.67	34.09	35.00	Average	153	304	VERTICAL
4	5179.20	121.58			115.82	6.67	34.09	35.00	Peak	153	304	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5139.60	52.02	54.00	-1.98	46.34	6.64	34.04	35.00	Average	152	297	VERTICAL
2	5140.00	66.75	74.00	-7.25	61.07	6.64	34.04	35.00	Peak	152	297	VERTICAL
3	5200.80	114.30			108.49	6.69	34.12	35.00	Average	152	297	VERTICAL
4	5200.80	124.17			118.36	6.69	34.12	35.00	Peak	152	297	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.40	47.31	54.00	-6.69	41.63	6.64	34.04	35.00	Average	170	94	VERTICAL
2	5141.60	59.69	74.00	-14.31	54.01	6.64	34.04	35.00	Peak	170	94	VERTICAL
3	5234.60	112.83			106.94	6.72	34.17	35.00	Average	170	94	VERTICAL
4	5234.60	122.97			117.08	6.72	34.17	35.00	Peak	170	94	VERTICAL
5	5352.40	60.57	74.00	-13.43	54.38	6.83	34.36	35.00	Peak	170	94	VERTICAL
6	5379.80	47.33	54.00	-6.67	41.06	6.85	34.41	34.99	Average	170	94	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.60	66.75	68.20	-1.45	60.13	7.01	34.64	35.03	Peak	144	304	VERTICAL
2	5725.00	75.27	78.20	-2.93	68.65	7.01	34.64	35.03	Peak	144	304	VERTICAL
3	5746.40	121.41			114.86	6.94	34.65	35.04	Peak	144	304	VERTICAL
4	5747.00	110.83			104.28	6.94	34.65	35.04	Average	144	304	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5708.20	48.77	54.00	-5.23	42.15	7.01	34.64	35.03	Average	139	302	VERTICAL
2	5708.80	61.72	74.00	-12.28	55.10	7.01	34.64	35.03	Peak	139	302	VERTICAL
3	5725.00	70.16	78.20	-8.04	63.54	7.01	34.64	35.03	Peak	139	302	VERTICAL
4	5788.00	113.92			107.45	6.86	34.66	35.05	Average	139	302	VERTICAL
5	5788.00	123.92			117.45	6.86	34.66	35.05	Peak	139	302	VERTICAL
6	5850.40	69.68	78.20	-8.52	63.22	6.85	34.67	35.06	Peak	139	302	VERTICAL
7	5860.00	50.23	54.00	-3.77	43.78	6.85	34.67	35.07	Average	139	302	VERTICAL
8	5861.20	65.71	74.00	-8.29	59.26	6.85	34.67	35.07	Peak	139	302	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5827.80	111.11			104.65	6.85	34.67	35.06	Average	143	309	VERTICAL
2	5828.20	121.45			114.99	6.85	34.67	35.06	Peak	143	309	VERTICAL
3	5850.40	76.40	78.20	-1.80	69.94	6.85	34.67	35.06	Peak	143	309	VERTICAL
4	5860.20	67.53	74.00	-6.47	61.08	6.85	34.67	35.07	Peak	143	309	VERTICAL
5	5861.40	52.79	54.00	-1.21	46.34	6.85	34.67	35.07	Average	143	309	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.40	67.19	74.00	-6.81	61.51	6.64	34.04	35.00	Peak	148	314	VERTICAL
2	5150.00	52.87	54.00	-1.13	47.19	6.64	34.04	35.00	Average	148	314	VERTICAL
3	5178.40	110.98			105.22	6.67	34.09	35.00	Average	148	314	VERTICAL
4	5178.80	121.65			115.89	6.67	34.09	35.00	Peak	148	314	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.40	66.75	74.00	-7.25	61.07	6.64	34.04	35.00	Peak	148	302	VERTICAL
2	5140.80	52.12	54.00	-1.88	46.44	6.64	34.04	35.00	Average	148	302	VERTICAL
3	5201.20	112.91			107.10	6.69	34.12	35.00	Average	148	302	VERTICAL
4	5201.20	123.50			117.69	6.69	34.12	35.00	Peak	148	302	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5130.20	59.14	74.00	-14.86	53.51	6.62	34.01	35.00	Peak	165	326	VERTICAL
2	5141.00	46.67	54.00	-7.33	40.99	6.64	34.04	35.00	Average	165	326	VERTICAL
3	5234.60	112.51			106.62	6.72	34.17	35.00	Average	165	326	VERTICAL
4	5234.60	122.84			116.95	6.72	34.17	35.00	Peak	165	326	VERTICAL
5	5350.00	46.88	54.00	-7.12	40.69	6.83	34.36	35.00	Average	165	326	VERTICAL
6	5375.00	60.24	74.00	-13.76	53.99	6.85	34.39	34.99	Peak	165	326	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / 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		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	65.22	68.20	-2.98	58.60	7.01	34.64	35.03	Peak	126	305	VERTICAL
2	5723.00	76.72	78.20	-1.48	70.10	7.01	34.64	35.03	Peak	126	305	VERTICAL
3	5747.80	110.70			104.15	6.94	34.65	35.04	Average	126	305	VERTICAL
4	5747.80	121.70			115.15	6.94	34.65	35.04	Peak	126	305	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5708.80	63.16	68.20	-5.04	56.54	7.01	34.64	35.03	Peak	144	307	VERTICAL
2	5724.40	70.96	78.20	-7.24	64.34	7.01	34.64	35.03	Peak	144	307	VERTICAL
3	5787.40	113.33			106.86	6.86	34.66	35.05	Average	144	307	VERTICAL
4	5787.40	123.98			117.51	6.86	34.66	35.05	Peak	144	307	VERTICAL
5	5850.00	68.99	78.20	-9.21	62.53	6.85	34.67	35.06	Peak	144	307	VERTICAL
6	5860.00	65.92	68.20	-2.28	59.47	6.85	34.67	35.07	Peak	144	307	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5827.80	120.92			114.46	6.85	34.67	35.06	Peak	140	306	VERTICAL
2	5828.20	109.78			103.32	6.85	34.67	35.06	Average	140	306	VERTICAL
3	5860.40	66.85	68.20	-1.35	60.40	6.85	34.67	35.07	Peak	140	306	VERTICAL
4	5861.40	51.80	68.20	-16.40	45.35	6.85	34.67	35.07	Average	140	306	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / 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		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.40	67.34	74.00	-6.66	61.66	6.64	34.04	35.00	Peak	158	313	VERTICAL
2	5148.80	52.73	54.00	-1.27	47.05	6.64	34.04	35.00	Average	158	313	VERTICAL
3	5188.00	104.06			98.30	6.67	34.09	35.00	Average	158	313	VERTICAL
4	5188.80	113.99			108.23	6.67	34.09	35.00	Peak	158	313	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.00	52.91	54.00	-1.09	47.23	6.64	34.04	35.00	Average	161	319	VERTICAL
2	5145.20	65.72	74.00	-8.28	60.04	6.64	34.04	35.00	Peak	161	319	VERTICAL
3	5224.80	120.67			114.78	6.72	34.17	35.00	Peak	161	319	VERTICAL
4	5225.60	109.76			103.87	6.72	34.17	35.00	Average	161	319	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / 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		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5709.80	67.06	68.20	-1.14	60.44	7.01	34.64	35.03	Peak	143	308	VERTICAL
2	5717.80	70.74	78.20	-7.46	64.12	7.01	34.64	35.03	Peak	143	308	VERTICAL
3	5756.60	104.23			97.69	6.94	34.65	35.05	Average	143	308	VERTICAL
4	5757.00	114.24			107.70	6.94	34.65	35.05	Peak	143	308	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	63.97	68.20	-4.23	57.35	7.01	34.64	35.03	Peak	145	307	VERTICAL
2	5717.40	66.36	78.20	-11.84	59.74	7.01	34.64	35.03	Peak	145	307	VERTICAL
3	5797.40	116.90			110.43	6.86	34.66	35.05	Peak	145	307	VERTICAL
4	5798.20	106.86			100.39	6.86	34.66	35.05	Average	145	307	VERTICAL
5	5858.20	71.76	78.20	-6.44	65.31	6.85	34.67	35.07	Peak	145	307	VERTICAL
6	5860.00	66.75	68.20	-1.45	60.30	6.85	34.67	35.07	Peak	145	307	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / 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		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.00	51.90	54.00	-2.10	46.22	6.64	34.04	35.00	Average	163	27	VERTICAL
2	5148.00	63.26	74.00	-10.74	57.58	6.64	34.04	35.00	Peak	163	27	VERTICAL
3	5228.00	97.67			91.78	6.72	34.17	35.00	Average	163	27	VERTICAL
4	5228.00	107.63			101.74	6.72	34.17	35.00	Peak	163	27	VERTICAL
5	5350.00	47.45	54.00	-6.55	41.26	6.83	34.36	35.00	Average	163	27	VERTICAL
6	5350.00	58.86	74.00	-15.14	52.67	6.83	34.36	35.00	Peak	163	27	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5696.00	66.87	68.20	-1.33	60.21	7.05	34.64	35.03	Peak	148	309	VERTICAL
2	5724.00	69.75	78.20	-8.45	63.13	7.01	34.64	35.03	Peak	148	309	VERTICAL
3	5756.00	96.71			90.17	6.94	34.65	35.05	Average	148	309	VERTICAL
4	5757.00	106.90			100.36	6.94	34.65	35.05	Peak	148	309	VERTICAL
5	5859.00	69.00	78.20	-9.20	62.55	6.85	34.67	35.07	Peak	148	309	VERTICAL
6	5860.00	65.84	68.20	-2.36	59.39	6.85	34.67	35.07	Peak	148	309	VERTICAL

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

Note:

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5147.60	67.26	74.00	-6.74	62.31	6.11	33.31	34.47	341	229	Peak	HORIZONTAL
2	5148.20	52.95	54.00	-1.05	48.00	6.11	33.31	34.47	341	229	Average	HORIZONTAL
3	5186.80	120.33			115.22	6.20	33.38	34.47	341	229	Peak	HORIZONTAL
4	5187.40	110.32			105.21	6.20	33.38	34.47	341	229	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5147.60	70.48	74.00	-3.52	65.53	6.11	33.31	34.47	337	225	Peak	HORIZONTAL
2	5148.40	52.99	54.00	-1.01	48.04	6.11	33.31	34.47	337	225	Average	HORIZONTAL
3	5207.20	113.31			108.14	6.24	33.40	34.47	337	225	Average	HORIZONTAL
4	5207.60	123.72			118.55	6.24	33.40	34.47	337	225	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5116.80	58.68	74.00	-15.32	53.84	6.04	33.27	34.47	337	203	Peak	HORIZONTAL
2	5149.60	47.36	54.00	-6.64	42.41	6.11	33.31	34.47	337	203	Average	HORIZONTAL
3	5246.40	124.17			118.88	6.32	33.44	34.47	337	203	Peak	HORIZONTAL
4	5247.20	114.66			109.32	6.35	33.46	34.47	337	203	Average	HORIZONTAL
5	5351.20	46.70	54.00	-7.30	41.00	6.58	33.59	34.47	337	203	Average	HORIZONTAL
6	5380.80	59.16	74.00	-14.84	53.34	6.66	33.63	34.47	337	203	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 24, 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		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5713.00	62.76	68.20	-5.44	56.32	6.50	34.45	34.51	348	211	Peak	HORIZONTAL
2	5725.00	77.05	78.20	-1.15	70.63	6.43	34.50	34.51	348	211	Peak	HORIZONTAL
3	5745.60	105.75			99.36	6.36	34.55	34.52	348	211	Average	HORIZONTAL
4	5745.80	116.10			109.71	6.36	34.55	34.52	348	211	Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5700.40	63.77	68.20	-4.43	57.31	6.57	34.40	34.51	310	190	Peak	HORIZONTAL
2	5724.40	69.47	78.20	-8.73	63.05	6.43	34.50	34.51	310	190	Peak	HORIZONTAL
3	5782.00	125.47			119.13	6.22	34.65	34.53	310	190	Peak	HORIZONTAL
4	5782.00	113.93			107.59	6.22	34.65	34.53	310	190	Average	HORIZONTAL
5	5858.20	67.65	78.20	-10.55	60.82	6.47	34.90	34.54	310	190	Peak	HORIZONTAL
6	5861.20	66.39	68.20	-1.81	59.56	6.47	34.90	34.54	310	190	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5821.80	121.64			115.20	6.23	34.75	34.54	307	185	Peak	HORIZONTAL
2	5821.80	110.70			104.26	6.23	34.75	34.54	307	185	Average	HORIZONTAL
3	5851.20	67.94	78.20	-10.26	61.24	6.39	34.85	34.54	307	185	Peak	HORIZONTAL
4	5860.40	66.44	68.20	-1.76	59.61	6.47	34.90	34.54	307	185	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 24, 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		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.20	67.92	74.00	-6.08	62.97	6.11	33.31	34.47	339	224	Peak	HORIZONTAL
2	5148.60	52.53	54.00	-1.47	47.58	6.11	33.31	34.47	339	224	Average	HORIZONTAL
3	5187.60	120.03			114.92	6.20	33.38	34.47	339	224	Peak	HORIZONTAL
4	5187.80	109.65			104.54	6.20	33.38	34.47	339	224	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.00	52.28	54.00	-1.72	47.33	6.11	33.31	34.47	340	223	Average	HORIZONTAL
2	5149.20	65.73	74.00	-8.27	60.78	6.11	33.31	34.47	340	223	Peak	HORIZONTAL
3	5207.60	123.79			118.62	6.24	33.40	34.47	340	223	Peak	HORIZONTAL
4	5208.00	113.65			108.48	6.24	33.40	34.47	340	223	Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5120.00	59.12	74.00	-14.88	54.28	6.04	33.27	34.47	337	198	Peak	HORIZONTAL
2	5149.40	47.26	54.00	-6.74	42.31	6.11	33.31	34.47	337	198	Average	HORIZONTAL
3	5247.20	124.24			118.90	6.35	33.46	34.47	337	198	Peak	HORIZONTAL
4	5247.80	113.56			108.22	6.35	33.46	34.47	337	198	Average	HORIZONTAL
5	5356.40	47.05	54.00	-6.95	41.29	6.62	33.61	34.47	337	198	Average	HORIZONTAL
6	5365.40	60.11	74.00	-13.89	54.35	6.62	33.61	34.47	337	198	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / 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		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	62.64	68.20	-5.56	56.01	7.02	34.64	35.03	Peak	197	335	HORIZONTAL
2	5722.44	77.10	78.20	-1.10	70.49	6.99	34.65	35.03	Peak	197	335	HORIZONTAL
3	5743.72	104.81			98.25	6.95	34.65	35.04	Average	197	335	HORIZONTAL
4	5743.72	115.54			108.98	6.95	34.65	35.04	Peak	197	335	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	64.72	68.20	-3.48	58.09	7.02	34.64	35.03	Peak	196	302	HORIZONTAL
2	5725.00	67.67	78.20	-10.53	61.06	6.99	34.65	35.03	Peak	196	302	HORIZONTAL
3	5783.40	111.65			105.15	6.89	34.66	35.05	Average	196	302	HORIZONTAL
4	5783.40	121.49			114.99	6.89	34.66	35.05	Peak	196	302	HORIZONTAL
5	5859.62	68.36	78.20	-9.84	61.90	6.85	34.67	35.06	Peak	196	302	HORIZONTAL
6	5860.00	65.30	68.20	-2.90	58.84	6.85	34.67	35.06	Peak	196	302	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5820.51	119.30			112.83	6.86	34.66	35.05	Peak	188	299	HORIZONTAL
2	5821.80	109.03			102.57	6.86	34.66	35.06	Average	188	299	HORIZONTAL
3	5850.00	69.84	78.20	-8.36	63.38	6.85	34.67	35.06	Peak	188	299	HORIZONTAL
4	5860.00	66.91	68.20	-1.29	60.45	6.85	34.67	35.06	Peak	188	299	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / 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		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5143.27	52.54	54.00	-1.46	46.86	6.64	34.04	35.00	Average	183	310	HORIZONTAL
2	5150.00	65.11	74.00	-8.89	59.43	6.64	34.04	35.00	Peak	183	310	HORIZONTAL
3	5182.95	106.53			100.77	6.67	34.09	35.00	Average	183	310	HORIZONTAL
4	5183.27	116.44			110.68	6.67	34.09	35.00	Peak	183	310	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.04	52.91	54.00	-1.09	47.23	6.64	34.04	35.00	Average	185	356	VERTICAL
2	5150.00	65.23	74.00	-8.77	59.55	6.64	34.04	35.00	Peak	185	356	VERTICAL
3	5228.08	104.95			99.07	6.72	34.16	35.00	Average	185	356	VERTICAL
4	5228.56	114.60			108.72	6.72	34.16	35.00	Peak	185	356	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / 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		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	66.72	68.20	-1.48	60.09	7.02	34.64	35.03	Peak	180	313	VERTICAL
2	5718.27	66.21	78.20	-11.99	59.58	7.02	34.64	35.03	Peak	180	313	VERTICAL
3	5747.63	107.91			101.35	6.95	34.65	35.04	Peak	180	313	VERTICAL
4	5760.45	97.44			90.91	6.92	34.65	35.04	Average	180	313	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5708.27	64.62	68.20	-3.58	57.99	7.02	34.64	35.03	Peak	179	300	HORIZONTAL
2	5725.00	65.50	78.20	-12.70	58.89	6.99	34.65	35.03	Peak	179	300	HORIZONTAL
3	5789.23	107.00			100.53	6.86	34.66	35.05	Average	179	300	HORIZONTAL
4	5789.55	117.26			110.79	6.86	34.66	35.05	Peak	179	300	HORIZONTAL
5	5850.00	72.28	78.20	-5.92	65.82	6.85	34.67	35.06	Peak	179	300	HORIZONTAL
6	5870.26	66.85	68.20	-1.35	60.39	6.85	34.67	35.06	Peak	179	300	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / 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		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5130.77	52.82	54.00	-1.18	47.17	6.63	34.02	35.00	Average	156	329	HORIZONTAL
2	5150.00	64.58	74.00	-9.42	58.90	6.64	34.04	35.00	Peak	156	329	HORIZONTAL
3	5190.77	96.07			90.26	6.69	34.12	35.00	Average	156	329	HORIZONTAL
4	5190.77	105.99			100.18	6.69	34.12	35.00	Peak	156	329	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5703.78	66.51	68.20	-1.69	59.85	7.05	34.64	35.03	Peak	199	321	HORIZONTAL
2	5725.00	65.70	78.20	-12.50	59.09	6.99	34.65	35.03	Peak	199	321	HORIZONTAL
3	5762.31	94.17			87.64	6.92	34.65	35.04	Average	199	321	HORIZONTAL
4	5762.98	104.78			98.25	6.92	34.65	35.04	Peak	199	321	HORIZONTAL
5	5850.80	60.10	78.20	-18.10	53.64	6.85	34.67	35.06	Peak	199	321	HORIZONTAL
6	5861.60	62.78	68.20	-5.42	56.32	6.85	34.67	35.06	Peak	199	321	HORIZONTAL

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

Note:

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

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

4.8. Frequency Stability Measurement

4.8.1. Limit

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

4.8.2. Measuring Instruments and Setting

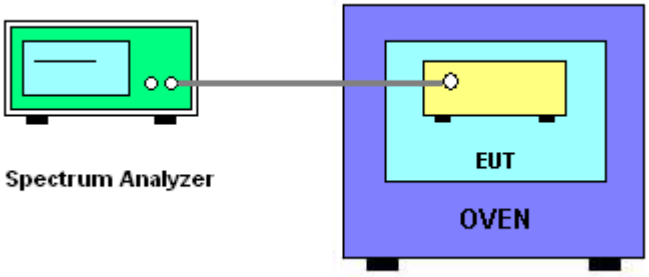
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

4.8.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 10^6 ppm and the limit is less than ±20ppm (IEEE 802.11nspecification).
6. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
7. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
8. Extreme temperature is -40°C~70°C.

4.8.4. Test Setup Layout



4.8.5. Test Deviation

There is no deviation with the original standard.

4.8.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.8.7. Test Result of Frequency Stability

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 11, 2015 ~ Dec. 14, 2015

For EUT 1

Mode: 20 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9880	5199.9474	5199.9461	5199.9477
110.00	5199.9501	5199.9466	5199.9455	5199.9620
93.50	5199.9499	5199.9449	5199.9438	5199.9441
Max. Deviation (MHz)	0.0501	0.0551	0.0562	0.0559
Max. Deviation (ppm)	9.63	10.60	10.81	10.75
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5199.9610	5199.9522	5199.9499	5199.9511
-30	5199.9605	5199.9521	5199.9496	5199.9505
-20	5199.9602	5199.9516	5199.9494	5199.9501
-10	5199.9588	5199.9494	5199.9481	5199.9480
0	5199.9503	5199.9482	5199.9456	5199.9476
10	5199.9495	5199.9473	5199.9450	5199.9455
20	5199.9481	5199.9462	5199.9432	5199.9440
30	5199.9462	5199.9441	5199.9417	5199.9412
40	5199.9451	5199.9416	5199.9401	5199.9403
50	5199.9433	5199.9415	5199.9388	5199.9385
60	5199.9429	5199.9415	5199.9385	5199.9375
70	5199.9425	5199.9416	5199.9375	5199.9373
Max. Deviation (MHz)	0.0575	0.0584	0.0625	0.0627
Max. Deviation (ppm)	11.06	11.23	12.02	12.06
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9460	5784.9462	5784.9432	5784.9486
110.00	5784.9455	5784.9433	5784.9405	5784.9476
93.50	5784.9395	5784.9417	5784.9382	5784.9402
Max. Deviation (MHz)	0.0605	0.0583	0.0618	0.0598
Max. Deviation (ppm)	10.46	10.08	10.68	10.34
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5784.9496	5784.9527	5784.9495	5784.9477
-30	5784.9491	5784.9513	5784.9487	5784.9461
-20	5784.9488	5784.9498	5784.9477	5784.9458
-10	5784.9471	5784.9488	5784.9462	5784.9449
0	5784.9460	5784.9488	5784.9435	5784.9422
10	5784.9449	5784.9465	5784.9425	5784.9419
20	5784.9439	5784.9451	5784.9417	5784.9398
30	5784.9417	5784.9426	5784.9402	5784.9382
40	5784.9403	5784.9406	5784.9395	5784.9372
50	5784.9394	5784.9395	5784.9374	5784.9342
60	5784.9394	5784.9391	5784.9374	5784.9335
70	5784.9385	5784.9381	5784.9369	5784.9333
Max. Deviation (MHz)	0.0615	0.0619	0.0631	0.0667
Max. Deviation (ppm)	10.63	10.70	10.91	11.53
Result	Complies			

Mode: 40 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9666	5189.9621	5189.9588	5189.9516
110.00	5189.9651	5189.9617	5189.9587	5189.9501
93.50	5189.9602	5189.9509	5189.9477	5189.9479
Max. Deviation (MHz)	0.0398	0.0491	0.0523	0.0521
Max. Deviation (ppm)	7.67	9.46	10.08	10.04
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5189.9641	5189.9511	5189.9516	5189.9479
-30	5189.9632	5189.9503	5189.9509	5189.9462
-20	5189.9612	5189.9495	5189.9484	5189.9456
-10	5189.9581	5189.9481	5189.9463	5189.9320
0	5189.9566	5189.9459	5189.9442	5189.9219
10	5189.9454	5189.9438	5189.9432	5189.9414
20	5189.9448	5189.9435	5189.9426	5189.9401
30	5189.9434	5189.9423	5189.9413	5189.9374
40	5189.9422	5189.9411	5189.9387	5189.9367
50	5189.9411	5189.9389	5189.9374	5189.9341
60	5189.9401	5189.9371	5189.9361	5189.9333
70	5189.9398	5189.9368	5189.9341	5189.9326
Max. Deviation (MHz)	0.0602	0.0632	0.0659	0.0781
Max. Deviation (ppm)	11.60	12.18	12.70	15.05
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9402	5754.9385	5754.9374	5754.9361
110.00	5754.9393	5754.9374	5754.9366	5754.9351
93.50	5754.9374	5754.9368	5754.9351	5754.9322
Max. Deviation (MHz)	0.0626	0.0632	0.0649	0.0678
Max. Deviation (ppm)	10.88	10.98	11.28	11.78
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5754.9476	5754.9492	5754.9482	5754.9476
-30	5754.9473	5754.9485	5754.9477	5754.9471
-20	5754.9476	5754.9472	5754.9468	5754.9464
-10	5754.9443	5754.9431	5754.9415	5754.9396
0	5754.9429	5754.9413	5754.9398	5754.9376
10	5754.9416	5754.9404	5754.9386	5754.9372
20	5754.9404	5754.9391	5754.9375	5754.9365
30	5754.9390	5754.9379	5754.9365	5754.9349
40	5754.9374	5754.9359	5754.9343	5754.9323
50	5754.9362	5754.9348	5754.9400	5754.9313
60	5754.9362	5754.9341	5754.9388	5754.9309
70	5754.9362	5754.9335	5754.9374	5754.9302
Max. Deviation (MHz)	0.0638	0.0665	0.0657	0.0698
Max. Deviation (ppm)	11.09	11.56	11.42	12.13
Result	Complies			

Mode: 80 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9664	5209.9663	5209.9644	5209.9632
110.00	5209.9655	5209.9646	5209.9632	5209.9611
93.50	5209.9643	5209.9629	5209.9628	5209.9601
Max. Deviation (MHz)	0.0357	0.0371	0.0372	0.0399
Max. Deviation (ppm)	6.85	7.12	7.14	7.66
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5209.9728	5209.9691	5209.9706	5209.9672
-30	5209.9713	5209.9682	5209.9695	5209.9668
-20	5209.9703	5209.9677	5209.9674	5209.9656
-10	5209.9684	5209.9667	5209.9651	5209.9632
0	5209.9674	5209.9653	5209.9634	5209.9626
10	5209.9652	5209.9639	5209.9617	5209.9613
20	5209.9650	5209.9627	5209.9612	5209.9592
30	5209.9643	5209.9615	5209.9601	5209.9585
40	5209.9638	5209.9595	5209.9579	5209.9563
50	5209.9617	5209.9577	5209.9571	5209.9541
60	5209.9612	5209.9560	5209.9562	5209.9528
70	5209.9601	5209.9542	5209.9544	5209.9516
Max. Deviation (MHz)	0.0399	0.0458	0.0456	0.0484
Max. Deviation (ppm)	7.66	8.79	8.75	9.29
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9772	5774.9753	5774.9745	5774.9730
110.00	5774.9761	5774.9748	5774.9739	5774.9712
93.50	5774.9755	5774.9740	5774.9728	5774.9701
Max. Deviation (MHz)	0.0245	0.0260	0.0272	0.0299
Max. Deviation (ppm)	4.24	4.50	4.71	5.18
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5774.9891	5774.9866	5774.9856	5774.9850
-30	5774.9886	5774.9866	5774.9844	5774.9852
-20	5774.9874	5774.9863	5774.9838	5774.9822
-10	5774.9864	5774.9838	5774.9822	5774.9813
0	5774.9852	5774.9820	5774.9809	5774.9796
10	5774.9826	5774.9810	5774.9795	5774.9781
20	5774.9811	5774.9798	5774.9782	5774.9763
30	5774.9797	5774.9784	5774.9769	5774.9756
40	5774.9791	5774.9766	5774.9750	5774.9732
50	5774.9777	5774.9759	5774.9744	5774.9725
60	5774.9752	5774.9740	5774.9734	5774.9717
70	5774.9750	5774.9735	5774.9730	5774.9711
Max. Deviation (MHz)	0.0250	0.0265	0.0270	0.0289
Max. Deviation (ppm)	4.33	4.59	4.68	5.00
Result	Complies			

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 07, 2015

For EUT 2

Mode: 20 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9490	5199.9476	5199.9458	5199.9437
110.00	5199.9478	5199.9465	5199.9449	5199.9430
93.50	5199.9464	5199.9453	5199.9441	5199.9419
Max. Deviation (MHz)	0.0536	0.0547	0.0559	0.0581
Max. Deviation (ppm)	10.31	10.52	10.75	11.17
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5199.9516	5199.9525	5199.9495	5199.9495
-30	5199.9523	5199.9521	5199.9493	5199.9476
-20	5199.9516	5199.9503	5199.9486	5199.9462
-10	5199.9501	5199.9489	5199.9473	5199.9454
0	5199.9487	5199.9475	5199.9456	5199.9434
10	5199.9474	5199.9461	5199.9446	5199.9428
20	5199.9462	5199.9449	5199.9433	5199.9414
30	5199.9448	5199.9437	5199.9423	5199.9407
40	5199.9432	5199.9417	5199.9401	5199.9381
50	5199.9415	5199.9403	5199.9388	5199.9361
60	5199.9410	5199.9388	5199.9385	5199.9355
70	5199.9409	5199.9375	5199.9373	5199.9353
Max. Deviation (MHz)	0.0591	0.0625	0.0627	0.0647
Max. Deviation (ppm)	11.37	12.02	12.06	12.44
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9441	5784.9427	5784.9409	5784.9388
110.00	5784.9429	5784.9416	5784.9400	5784.9381
93.50	5784.9415	5784.9404	5784.9392	5784.9370
Max. Deviation (MHz)	0.0585	0.0596	0.0608	0.0630
Max. Deviation (ppm)	10.11	10.30	10.51	10.89
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5784.9496	5784.9526	5784.9501	5784.9466
-30	5784.9495	5784.9513	5784.9487	5784.9452
-20	5784.9495	5784.9482	5784.9465	5784.9441
-10	5784.9480	5784.9468	5784.9452	5784.9433
0	5784.9466	5784.9454	5784.9435	5784.9413
10	5784.9453	5784.9440	5784.9425	5784.9407
20	5784.9441	5784.9428	5784.9412	5784.9393
30	5784.9427	5784.9416	5784.9402	5784.9386
40	5784.9411	5784.9396	5784.9380	5784.9360
50	5784.9394	5784.9382	5784.9377	5784.9340
60	5784.9394	5784.9391	5784.9372	5784.9333
70	5784.9385	5784.9381	5784.9362	5784.9328
Max. Deviation (MHz)	0.0615	0.0619	0.0638	0.0672
Max. Deviation (ppm)	10.63	10.70	11.03	11.62
Result	Complies			

Mode: 40 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9506	5189.9492	5189.9474	5189.9453
110.00	5189.9494	5189.9481	5189.9465	5189.9446
93.50	5189.9480	5189.9469	5189.9457	5189.9435
Max. Deviation (MHz)	0.0520	0.0531	0.0543	0.0565
Max. Deviation (ppm)	10.02	10.23	10.46	10.89
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5189.9533	5189.9516	5189.9495	5189.9470
-30	5189.9516	5189.9505	5189.9488	5189.9466
-20	5189.9502	5189.9489	5189.9472	5189.9448
-10	5189.9487	5189.9475	5189.9459	5189.9440
0	5189.9473	5189.9461	5189.9442	5189.9420
10	5189.9460	5189.9447	5189.9432	5189.9414
20	5189.9448	5189.9435	5189.9419	5189.9400
30	5189.9434	5189.9423	5189.9409	5189.9393
40	5189.9418	5189.9403	5189.9387	5189.9367
50	5189.9401	5189.9389	5189.9374	5189.9347
60	5189.9400	5189.9379	5189.9370	5189.9329
70	5189.9398	5189.9373	5189.9366	5189.9326
Max. Deviation (MHz)	0.0602	0.0627	0.0634	0.0674
Max. Deviation (ppm)	11.60	12.08	12.22	12.99
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9393	5754.9379	5754.9361	5754.9340
110.00	5754.9381	5754.9368	5754.9352	5754.9333
93.50	5754.9367	5754.9356	5754.9344	5754.9322
Max. Deviation (MHz)	0.0633	0.0644	0.0656	0.0678
Max. Deviation (ppm)	11.00	11.19	11.40	11.78
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5754.9472	5754.9520	5754.9479	5754.9470
-30	5754.9466	5754.9485	5754.9456	5754.9452
-20	5754.9458	5754.9445	5754.9428	5754.9404
-10	5754.9443	5754.9431	5754.9415	5754.9396
0	5754.9429	5754.9417	5754.9398	5754.9376
10	5754.9416	5754.9403	5754.9388	5754.9370
20	5754.9404	5754.9391	5754.9375	5754.9356
30	5754.9390	5754.9379	5754.9365	5754.9349
40	5754.9374	5754.9359	5754.9343	5754.9323
50	5754.9357	5754.9345	5754.9330	5754.9303
60	5754.9362	5754.9341	5754.9388	5754.9305
70	5754.9358	5754.9329	5754.9374	5754.9302
Max. Deviation (MHz)	0.0642	0.0671	0.0657	0.0698
Max. Deviation (ppm)	11.16	11.66	11.42	12.13
Result	Complies			

Mode: 80 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9671	5209.9657	5209.9639	5209.9618
110.00	5209.9659	5209.9646	5209.9630	5209.9611
93.50	5209.9645	5209.9634	5209.9622	5209.9600
Max. Deviation (MHz)	0.0355	0.0366	0.0378	0.0400
Max. Deviation (ppm)	6.81	7.02	7.26	7.68
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5209.9733	5209.9696	5209.9711	5209.9666
-30	5209.9715	5209.9682	5209.9696	5209.9658
-20	5209.9694	5209.9681	5209.9664	5209.9640
-10	5209.9679	5209.9667	5209.9651	5209.9632
0	5209.9665	5209.9653	5209.9634	5209.9612
10	5209.9652	5209.9639	5209.9624	5209.9606
20	5209.9640	5209.9627	5209.9611	5209.9592
30	5209.9626	5209.9615	5209.9601	5209.9585
40	5209.9610	5209.9595	5209.9579	5209.9559
50	5209.9593	5209.9581	5209.9566	5209.9539
60	5209.9584	5209.9574	5209.9559	5209.9526
70	5209.9584	5209.9555	5209.9549	5209.9511
Max. Deviation (MHz)	0.0416	0.0445	0.0451	0.0489
Max. Deviation (ppm)	7.98	8.54	8.66	9.39
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9773	5774.9759	5774.9741	5774.9720
110.00	5774.9761	5774.9748	5774.9732	5774.9713
93.50	5774.9747	5774.9736	5774.9724	5774.9702
Max. Deviation (MHz)	0.0253	0.0264	0.0276	0.0298
Max. Deviation (ppm)	4.38	4.57	4.78	5.16
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5774.9902	5774.9873	5774.9863	5774.9836
-30	5774.9896	5774.9868	5774.9846	5774.9825
-20	5774.9865	5774.9852	5774.9835	5774.9811
-10	5774.9850	5774.9838	5774.9822	5774.9803
0	5774.9836	5774.9824	5774.9805	5774.9783
10	5774.9823	5774.9810	5774.9795	5774.9777
20	5774.9811	5774.9798	5774.9782	5774.9763
30	5774.9797	5774.9786	5774.9772	5774.9756
40	5774.9781	5774.9766	5774.9750	5774.9730
50	5774.9764	5774.9752	5774.9737	5774.9710
60	5774.9755	5774.9742	5774.9730	5774.9709
70	5774.9742	5774.9729	5774.9730	5774.9681
Max. Deviation (MHz)	0.0258	0.0271	0.0270	0.0319
Max. Deviation (ppm)	4.47	4.69	4.68	5.52
Result	Complies			

4.9. Antenna Requirements

4.9.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.9.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100355	9kHz ~ 2.75GHz	Apr. 22, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 16, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 13, 2015	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 25, 2015	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	37880	20MHz ~ 2GHz	Sep. 03, 2015	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 12, 2015*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Feb. 24, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 12, 2015	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Feb.10, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8.4GHz	Jan. 21, 2015	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-I0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 12, 2014	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

"*" Calibration Interval of instruments listed above is two years.

N.C.R. means Non-Calibration required.

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%