

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15722.45	42.25	54.00	-11.75	30.69	7.92	38.52	34.88	Average	306	162	HORIZONTAL
2	15722.78	55.78	74.00	-18.22	44.22	7.92	38.52	34.88	Peak	306	162	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15722.00	42.51	54.00	-11.49	30.95	7.92	38.52	34.88	Average	191	154	VERTICAL
2	15724.15	55.24	74.00	-18.76	43.68	7.92	38.52	34.88	Peak	191	154	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		T/Pos	A/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm	Pol/Phase
1	15775.47	56.23	74.00	-17.77	44.74	7.93	38.48	34.92	Peak	202	166	HORIZONTAL
2	15782.16	42.17	54.00	-11.83	30.70	7.94	38.47	34.94	Average	202	166	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		T/Pos	A/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm	Pol/Phase
1	15778.45	42.34	54.00	-11.66	30.87	7.93	38.48	34.94	Average	66	152	VERTICAL
2	15781.58	55.31	74.00	-18.69	43.84	7.94	38.47	34.94	Peak	66	152	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10595.89	52.65	74.00	-21.35	42.66	6.61	38.38	35.00	Peak	113	165	HORIZONTAL
2	10604.63	39.13	54.00	-14.87	29.14	6.60	38.38	34.99	Average	113	165	HORIZONTAL
3	15781.19	42.14	54.00	-11.86	30.67	7.93	38.48	34.94	Average	195	159	HORIZONTAL
4	15781.97	55.12	74.00	-18.88	43.65	7.94	38.47	34.94	Peak	195	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10598.83	39.08	54.00	-14.92	29.10	6.60	38.38	35.00	Average	101	163	VERTICAL
2	10604.72	52.31	74.00	-21.69	42.32	6.60	38.38	34.99	Peak	101	163	VERTICAL
3	15777.74	55.76	74.00	-18.24	44.29	7.93	38.48	34.94	Peak	176	155	VERTICAL
4	15781.77	42.40	54.00	-11.60	30.93	7.94	38.47	34.94	Average	176	155	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10635.90	39.49	54.00	-14.51	29.50	6.59	38.37	34.97	Average	149	163	HORIZONTAL
2	10641.17	52.62	74.00	-21.38	42.63	6.59	38.37	34.97	Peak	149	163	HORIZONTAL
3	15955.95	41.80	54.00	-12.20	30.57	8.00	38.33	35.10	Average	119	157	HORIZONTAL
4	15960.72	55.39	74.00	-18.61	44.16	8.00	38.33	35.10	Peak	119	157	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10635.25	53.27	74.00	-20.73	43.28	6.59	38.37	34.97	Peak	42	151	VERTICAL
2	10638.00	39.59	54.00	-14.41	29.60	6.59	38.37	34.97	Average	42	151	VERTICAL
3	15958.52	42.17	54.00	-11.83	30.94	8.00	38.33	35.10	Average	124	169	VERTICAL
4	15960.41	55.79	74.00	-18.21	44.56	8.00	38.33	35.10	Peak	124	169	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10996.25	38.77	54.00	-15.23	28.72	6.46	38.30	34.71	Average	95	145	HORIZONTAL
2	10996.84	52.25	74.00	-21.75	42.20	6.46	38.30	34.71	Peak	95	145	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10996.74	52.19	74.00	-21.81	42.14	6.46	38.30	34.71	Peak	110	158	VERTICAL
2	10999.25	38.98	54.00	-15.02	28.93	6.46	38.30	34.71	Average	110	158	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm	
1	11159.77	39.25	54.00	-14.75	29.08	6.56	38.30	34.69	Average	165	159	HORIZONTAL
2	11162.47	53.05	74.00	-20.95	42.88	6.56	38.30	34.69	Peak	165	159	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm	
1	11155.66	53.24	74.00	-20.76	43.08	6.55	38.30	34.69	Peak	96	159	VERTICAL
2	11163.58	39.57	54.00	-14.43	29.40	6.56	38.30	34.69	Average	96	159	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11400.46	39.11	54.00	-14.89	28.79	6.69	38.30	34.67	Average	168	168	HORIZONTAL
2	11400.81	53.32	74.00	-20.68	43.00	6.69	38.30	34.67	Peak	168	168	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11399.55	39.65	54.00	-14.35	29.33	6.69	38.30	34.67	Average	201	172	VERTICAL
2	11400.74	52.72	74.00	-21.28	42.40	6.69	38.30	34.67	Peak	201	172	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11438.67	52.43	74.00	-21.57	42.09	6.71	38.30	34.67	Peak	85	169	HORIZONTAL
2	11441.08	38.95	54.00	-15.05	28.61	6.71	38.30	34.67	Average	85	169	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11438.30	52.42	74.00	-21.58	42.08	6.71	38.30	34.67	Peak	69	160	VERTICAL
2	11438.83	39.27	54.00	-14.73	28.93	6.71	38.30	34.67	Average	69	160	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11490.38	52.09	74.00	-21.91	41.71	6.74	38.30	34.66	Peak	165	176	HORIZONTAL
2	11492.25	39.08	54.00	-14.92	28.70	6.74	38.30	34.66	Average	165	176	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11488.08	39.36	54.00	-14.64	28.98	6.74	38.30	34.66	Average	132	165	VERTICAL
2	11491.38	51.96	74.00	-22.04	41.58	6.74	38.30	34.66	Peak	132	165	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11568.69	52.83	74.00	-21.17	42.41	6.77	38.33	34.68	Peak	187	176	HORIZONTAL
2	11571.24	39.84	54.00	-14.16	29.43	6.77	38.33	34.69	Average	187	176	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11568.76	39.77	54.00	-14.23	29.35	6.77	38.33	34.68	Average	251	171	VERTICAL
2	11571.29	53.39	74.00	-20.61	42.98	6.77	38.33	34.69	Peak	251	171	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11651.04	53.63	74.00	-20.37	43.19	6.80	38.36	34.72	Peak	141	175	HORIZONTAL
2	11652.15	39.50	54.00	-14.50	29.06	6.80	38.36	34.72	Average	150	175	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11650.07	39.84	54.00	-14.16	29.40	6.80	38.36	34.72	Average	187	169	VERTICAL
2	11650.12	54.16	74.00	-19.84	43.72	6.80	38.36	34.72	Peak	165	169	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15537.50	60.97	74.00	-13.03	45.67	12.04	38.14	34.88	Peak	165	246	HORIZONTAL
2	15537.50	47.78	54.00	-6.22	32.48	12.04	38.14	34.88	Average	165	246	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15537.50	60.99	74.00	-13.01	45.69	12.04	38.14	34.88	Peak	165	318	VERTICAL
2	15537.50	47.62	54.00	-6.38	32.32	12.04	38.14	34.88	Average	165	318	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15597.50	58.74	74.00	-15.26	43.56	12.06	38.03	34.91	Peak	165	309 HORIZONTAL
2	15597.50	48.12	54.00	-5.88	32.94	12.06	38.03	34.91	Average	165	325 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15597.50	58.38	74.00	-15.62	43.19	12.06	38.04	34.91	Peak	165	148 VERTICAL
2	15597.50	48.07	54.00	-5.93	32.88	12.06	38.04	34.91	Average	165	148 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15717.50	58.11	74.00	-15.89	43.12	12.11	37.84	34.96	Peak	165	259 HORIZONTAL
2	15717.50	46.77	54.00	-7.23	31.78	12.11	37.84	34.96	Average	165	259 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15717.50	57.64	74.00	-16.36	42.64	12.11	37.85	34.96	Peak	165	195 VERTICAL
2	15717.50	47.17	54.00	-6.83	32.17	12.11	37.85	34.96	Average	165	195 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15779.77	47.63	54.00	-6.37	32.73	12.13	37.76	34.99	Average	165	211 HORIZONTAL
2	15781.22	60.22	74.00	-13.78	45.33	12.13	37.76	35.00	Peak	165	211 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15777.50	57.31	74.00	-16.69	42.42	12.13	37.75	34.99	Peak	165	315 VERTICAL
2	15777.50	47.25	54.00	-6.75	32.36	12.13	37.75	34.99	Average	165	315 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10598.79	57.80	74.00	-16.20	43.07	9.92	40.08	35.27	Peak	165	353 HORIZONTAL
2	10601.79	45.33	54.00	-8.67	30.61	9.92	40.08	35.28	Average	165	353 HORIZONTAL
3	15897.85	59.84	74.00	-14.16	45.14	12.18	37.57	35.05	Peak	165	353 HORIZONTAL
4	15898.34	47.29	54.00	-6.71	32.59	12.18	37.57	35.05	Average	165	353 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10599.11	57.73	74.00	-16.27	43.00	9.92	40.08	35.27	Peak	165	290 VERTICAL
2	10601.68	45.22	54.00	-8.78	30.50	9.92	40.08	35.28	Average	165	290 VERTICAL
3	15899.49	47.40	54.00	-6.60	32.71	12.18	37.56	35.05	Average	165	214 VERTICAL
4	15900.70	60.17	74.00	-13.83	45.48	12.18	37.56	35.05	Peak	165	214 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.98	45.25	54.00	-8.75	30.58	9.95	40.11	35.39	Average	165	345	HORIZONTAL
2	10639.99	58.73	74.00	-15.27	44.06	9.95	40.11	35.39	Peak	165	345	HORIZONTAL
3	15958.96	47.13	54.00	-6.87	32.55	12.20	37.46	35.08	Average	165	286	HORIZONTAL
4	15961.00	60.14	74.00	-13.86	45.56	12.20	37.46	35.08	Peak	165	286	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10637.50	58.08	74.00	-15.92	43.41	9.95	40.11	35.39	Peak	165	244	VERTICAL
2	10639.63	45.29	54.00	-8.71	30.62	9.95	40.11	35.39	Average	165	244	VERTICAL
3	15959.96	47.27	54.00	-6.73	32.69	12.20	37.46	35.08	Average	165	300	VERTICAL
4	15961.46	61.10	74.00	-12.90	46.52	12.20	37.46	35.08	Peak	165	300	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10997.67	56.18	74.00	-17.82	41.99	10.20	40.40	36.41	Peak	165	268 HORIZONTAL
2	10997.89	43.70	54.00	-10.30	29.51	10.20	40.40	36.41	Average	165	268 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10997.55	43.64	54.00	-10.36	29.45	10.20	40.40	36.41	Average	165	116 VERTICAL
2	10997.75	56.47	74.00	-17.53	42.28	10.20	40.40	36.41	Peak	165	116 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11159.86	58.02	74.00	-15.98	43.74	10.30	40.33	36.35	Peak	165	260	HORIZONTAL
2	11160.96	44.92	54.00	-9.08	30.64	10.30	40.33	36.35	Average	165	260	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11160.68	44.90	54.00	-9.10	30.62	10.30	40.33	36.35	Average	165	227	VERTICAL
2	11161.66	57.81	74.00	-16.19	43.53	10.30	40.33	36.35	Peak	165	227	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11398.08	44.79	54.00	-9.21	30.34	10.45	40.24	36.24	Average	165	251	HORIZONTAL
2	11399.56	58.01	74.00	-15.99	43.56	10.45	40.24	36.24	Peak	165	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11398.36	44.98	54.00	-9.02	30.53	10.45	40.24	36.24	Average	165	314	VERTICAL
2	11398.68	58.48	74.00	-15.52	44.03	10.45	40.24	36.24	Peak	165	314	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11439.35	58.82	74.00	-15.18	44.34	10.47	40.23	36.22	165	97	HORIZONTAL
2	11442.44	44.89	54.00	-9.11	30.41	10.47	40.23	36.22	165	97	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11438.80	58.56	74.00	-15.44	44.09	10.47	40.22	36.22	165	143	VERTICAL
2	11439.48	44.94	54.00	-9.06	30.47	10.47	40.22	36.22	165	143	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			
1	11490.23	44.92	54.00	-9.08	30.41	10.50	40.21	36.20	Average	165	312 HORIZONTAL
2	11491.24	57.66	74.00	-16.34	43.15	10.50	40.21	36.20	Peak	165	312 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			
1	11488.09	58.09	74.00	-15.91	43.59	10.50	40.20	36.20	Peak	165	243 VERTICAL
2	11489.37	44.86	54.00	-9.14	30.36	10.50	40.20	36.20	Average	165	243 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.94	45.23	54.00	-8.77	30.83	10.54	40.03	36.17	Average	165	178	HORIZONTAL
2	11569.38	58.57	74.00	-15.43	44.16	10.54	40.03	36.16	Peak	165	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	11568.44	45.39	54.00	-8.61	30.99	10.54	40.03	36.17	Average	165	267	VERTICAL
2	11571.45	57.89	74.00	-16.11	43.48	10.54	40.03	36.16	Peak	165	267	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11649.86	45.31	54.00	-8.69	31.00	10.57	39.87	36.13	Average	165	244 HORIZONTAL
2	11651.69	57.99	74.00	-16.01	43.72	10.57	39.83	36.13	Peak	165	244 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11651.83	58.25	74.00	-15.75	43.98	10.57	39.83	36.13	Peak	165	192 VERTICAL
2	11652.50	45.11	54.00	-8.89	30.84	10.57	39.83	36.13	Average	165	192 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 25, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15540.10	45.57	54.00	-8.43	29.26	12.58	38.45	34.72	185	151	Average	HORIZONTAL
2	15540.19	58.49	74.00	-15.51	42.18	12.58	38.45	34.72	185	151	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15539.52	58.63	74.00	-15.37	42.32	12.58	38.45	34.72	280	100	Peak	VERTICAL
2	15540.00	46.01	54.00	-7.99	29.70	12.58	38.45	34.72	280	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 25, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15600.26	45.30	54.00	-8.70	29.11	12.58	38.36	34.75	195	100	Average	HORIZONTAL
2	15600.49	58.09	74.00	-15.91	41.90	12.58	38.36	34.75	195	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15599.52	45.41	54.00	-8.59	29.22	12.58	38.36	34.75	92	100	Average	VERTICAL
2	15599.91	59.15	74.00	-14.85	42.96	12.58	38.36	34.75	92	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15720.56	57.64	74.00	-16.36	42.66	12.11	37.84	34.97	Peak	165	301	HORIZONTAL
2	15728.64	45.40	54.00	-8.60	30.42	12.11	37.84	34.97	Average	165	301	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15704.00	45.55	54.00	-8.45	30.54	12.10	37.87	34.96	Average	165	230	VERTICAL
2	15730.16	59.19	74.00	-14.81	44.22	12.11	37.83	34.97	Peak	165	230	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	16365.12	45.01	54.00	-8.99	30.13	12.35	38.21	35.68	Average	165	319	HORIZONTAL
2	16377.44	57.38	74.00	-16.62	42.48	12.36	38.24	35.70	Peak	165	319	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	16369.84	57.40	74.00	-16.60	42.50	12.36	38.22	35.68	Peak	165	244	VERTICAL
2	16370.08	45.09	54.00	-8.91	30.19	12.36	38.22	35.68	Average	165	244	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 25, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.18	55.13	74.00	-18.87	40.29	10.16	38.92	34.24	130	150	Peak	HORIZONTAL
2	10600.22	42.80	54.00	-11.20	27.96	10.16	38.92	34.24	130	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.19	43.58	54.00	-10.42	28.74	10.16	38.92	34.24	197	150	Average	VERTICAL
2	10600.32	55.18	74.00	-18.82	40.34	10.16	38.92	34.24	197	150	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 25, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	10639.57	43.69	54.00	-10.31	28.86	10.21	38.93	34.31	311	150	Average	HORIZONTAL
2	10639.58	56.03	74.00	-17.97	41.20	10.21	38.93	34.31	311	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	10639.65	43.11	54.00	-10.89	28.28	10.21	38.93	34.31	281	150	Average	VERTICAL
2	10640.37	57.09	74.00	-16.91	42.27	10.21	38.93	34.32	281	150	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 25, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	10999.60	56.74	74.00	-17.26	42.20	10.55	39.00	35.01	113	150 Peak	HORIZONTAL
2	11000.37	43.17	54.00	-10.83	28.63	10.55	39.00	35.01	113	150 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	10999.70	56.26	74.00	-17.74	41.72	10.55	39.00	35.01	235	150 Peak	VERTICAL
2	10999.70	43.22	54.00	-10.78	28.68	10.55	39.00	35.01	235	150 Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11160.96	42.58	54.00	-11.42	28.30	10.30	40.33	36.35	Average	165	139	HORIZONTAL
2	11169.28	55.66	74.00	-18.34	41.36	10.31	40.33	36.34	Peak	165	139	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11153.48	42.89	54.00	-11.11	28.60	10.30	40.34	36.35	Average	165	237	VERTICAL
2	11164.44	56.73	74.00	-17.27	42.44	10.30	40.33	36.34	Peak	165	237	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 25, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.70	56.81	74.00	-17.19	41.83	10.69	39.32	35.03	178	150	Peak	HORIZONTAL
2	11400.35	44.18	54.00	-9.82	29.20	10.69	39.32	35.03	178	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.77	57.96	74.00	-16.04	42.98	10.69	39.32	35.03	98	150	Peak	VERTICAL
2	11400.00	44.27	54.00	-9.73	29.29	10.69	39.32	35.03	98	150	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11439.44	57.04	74.00	-16.96	42.56	10.47	40.23	36.22	Peak	165	78	HORIZONTAL
2	11446.28	43.42	54.00	-10.58	28.94	10.47	40.23	36.22	Average	165	78	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11430.68	56.90	74.00	-17.10	42.44	10.46	40.23	36.23	Peak	165	163	VERTICAL
2	11439.92	43.94	54.00	-10.06	29.47	10.47	40.22	36.22	Average	165	163	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11481.64	43.50	54.00	-10.50	28.99	10.50	40.21	36.20	Average	165	156 HORIZONTAL
2	11497.64	56.48	74.00	-17.52	41.98	10.50	40.20	36.20	Peak	165	156 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11492.16	43.46	54.00	-10.54	28.96	10.50	40.20	36.20	Average	165	280 VERTICAL
2	11493.64	57.06	74.00	-16.94	42.56	10.50	40.20	36.20	Peak	165	280 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11569.40	56.14	74.00	-17.86	41.73	10.54	40.03	36.16	165	237	HORIZONTAL
2	11578.68	43.39	54.00	-10.61	28.98	10.54	40.03	36.16	165	237	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11561.16	55.82	74.00	-18.18	41.41	10.53	40.05	36.17	165	121	VERTICAL
2	11579.64	43.58	54.00	-10.42	29.19	10.54	40.01	36.16	165	121	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11644.12	55.84	74.00	-18.16	41.53	10.57	39.87	36.13	Peak	165	183	HORIZONTAL
2	11651.84	43.09	54.00	-10.91	28.82	10.57	39.83	36.13	Average	165	182	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11652.52	43.18	54.00	-10.82	28.91	10.57	39.83	36.13	Average	165	72	VERTICAL
2	11659.80	55.56	74.00	-18.44	41.30	10.58	39.81	36.13	Peak	165	72	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15565.04	47.11	54.00	-6.89	31.86	12.05	38.09	34.89	Average	165	284	HORIZONTAL
2	15586.00	59.00	74.00	-15.00	43.78	12.06	38.06	34.90	Peak	165	284	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15551.20	59.50	74.00	-14.50	44.22	12.04	38.12	34.88	Peak	165	122	VERTICAL
2	15575.44	47.07	54.00	-6.93	31.84	12.05	38.08	34.90	Average	165	122	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15682.24	45.44	54.00	-8.56	30.39	12.10	37.90	34.95	Average	165	105	HORIZONTAL
2	15687.20	57.95	74.00	-16.05	42.90	12.10	37.90	34.95	Peak	165	105	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15670.32	59.32	74.00	-14.68	44.25	12.09	37.92	34.94	Peak	165	311	VERTICAL
2	15680.24	46.44	54.00	-7.56	31.38	12.10	37.91	34.95	Average	165	311	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 25, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15809.55	44.84	54.00	-9.16	29.03	12.57	38.07	34.83	202	151	Average	HORIZONTAL
2	15810.11	57.93	74.00	-16.07	42.12	12.57	38.07	34.83	202	151	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15809.72	58.92	74.00	-15.08	43.11	12.57	38.07	34.83	119	151	Peak	VERTICAL
2	15810.42	44.93	54.00	-9.07	29.12	12.57	38.07	34.83	119	151	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10616.88	43.32	54.00	-10.68	28.62	9.93	40.10	35.33	Average	165	176 HORIZONTAL
2	10628.16	55.95	74.00	-18.05	41.27	9.94	40.10	35.36	Peak	165	176 HORIZONTAL
3	15931.28	58.03	74.00	-15.97	43.40	12.19	37.51	35.07	Peak	165	120 HORIZONTAL
4	15945.12	45.22	54.00	-8.78	30.61	12.20	37.48	35.07	Average	165	120 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10626.64	43.53	54.00	-10.47	28.84	9.94	40.10	35.35	Average	165	255 VERTICAL
2	10626.88	55.83	74.00	-18.17	41.15	9.94	40.10	35.36	Peak	165	255 VERTICAL
3	15920.32	45.29	54.00	-8.71	30.63	12.19	37.53	35.06	Average	165	321 VERTICAL
4	15936.32	57.98	74.00	-16.02	43.36	12.19	37.50	35.07	Peak	165	321 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11030.40	42.80	54.00	-11.20	28.60	10.22	40.39	36.41	Average	165	183	HORIZONTAL
2	11035.28	55.64	74.00	-18.36	41.42	10.23	40.39	36.40	Peak	165	183	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11036.72	42.87	54.00	-11.13	28.65	10.23	40.39	36.40	Average	165	85	VERTICAL
2	11038.96	55.47	74.00	-18.53	41.26	10.23	40.38	36.40	Peak	165	85	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11099.12	43.22	54.00	-10.78	28.97	10.26	40.36	36.37	Average	165	64	HORIZONTAL
2	11114.80	55.86	74.00	-18.14	41.61	10.27	40.35	36.37	Peak	165	64	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11087.68	43.23	54.00	-10.77	28.99	10.26	40.36	36.38	Average	165	191	VERTICAL
2	11088.48	55.49	74.00	-18.51	41.25	10.26	40.36	36.38	Peak	165	191	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11323.92	55.98	74.00	-18.02	41.58	10.40	40.27	36.27	Peak	165	235 HORIZONTAL
2	11359.60	43.13	54.00	-10.87	28.71	10.42	40.26	36.26	Average	165	235 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11327.52	43.14	54.00	-10.86	28.74	10.40	40.27	36.27	Average	165	340 VERTICAL
2	11353.36	55.54	74.00	-18.46	41.12	10.42	40.26	36.26	Peak	165	340 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11437.76	56.29	74.00	-17.71	41.81	10.47	40.23	36.22	Peak	165	320	HORIZONTAL
2	11437.76	43.84	54.00	-10.16	29.36	10.47	40.23	36.22	Average	165	320	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11430.96	56.58	74.00	-17.42	42.11	10.47	40.23	36.23	Peak	165	208	VERTICAL
2	11433.60	43.83	54.00	-10.17	29.35	10.47	40.23	36.22	Average	165	207	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11509.28	43.88	54.00	-10.12	29.36	10.51	40.20	36.19	Average	165	332 HORIZONTAL
2	11512.24	55.61	74.00	-18.39	41.09	10.51	40.20	36.19	Peak	165	332 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11490.32	56.65	74.00	-17.35	42.15	10.50	40.20	36.20	Peak	165	228 VERTICAL
2	11522.00	43.91	54.00	-10.09	29.43	10.52	40.15	36.19	Average	165	228 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11573.04	43.73	54.00	-10.27	29.32	10.54	40.03	36.16	Average	165	278	HORIZONTAL
2	11586.96	55.94	74.00	-18.06	41.57	10.54	39.99	36.16	Peak	165	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	11597.92	56.57	74.00	-17.43	42.21	10.55	39.96	36.15	Peak	165	266	VERTICAL
2	11602.32	43.79	54.00	-10.21	29.44	10.55	39.95	36.15	Average	165	266	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15563.80	57.99	74.00	-16.01	42.74	12.05	38.09	34.89	165	266	HORIZONTAL
2	15576.84	45.53	54.00	-8.47	30.29	12.05	38.09	34.90	165	266	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15568.52	45.56	54.00	-8.44	30.31	12.05	38.09	34.89	165	180	VERTICAL
2	15572.60	58.14	74.00	-15.86	42.90	12.05	38.08	34.89	165	180	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15693.60	58.30	74.00	-15.70	43.25	12.10	37.90	34.95	Peak	165	163	HORIZONTAL
2	15695.36	45.44	54.00	-8.56	30.39	12.10	37.90	34.95	Average	165	163	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15682.12	45.58	54.00	-8.42	30.52	12.10	37.91	34.95	Average	165	245	VERTICAL
2	15691.08	58.07	74.00	-15.93	43.03	12.10	37.89	34.95	Peak	165	245	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15805.80	58.21	74.00	-15.79	43.38	12.14	37.70	35.01	Peak	165	313 HORIZONTAL
2	15819.08	44.79	54.00	-9.21	29.97	12.15	37.68	35.01	Average	165	313 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15801.24	57.85	74.00	-16.15	43.01	12.14	37.71	35.01	Peak	165	191 VERTICAL
2	15804.88	44.84	54.00	-9.16	30.00	12.14	37.71	35.01	Average	165	191 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10609.36	55.31	74.00	-18.69	40.60	9.93	40.08	35.30	Peak	165	247 HORIZONTAL
2	10616.08	43.11	54.00	-10.89	28.40	9.93	40.10	35.32	Average	165	247 HORIZONTAL
3	15931.44	57.55	74.00	-16.45	42.92	12.19	37.51	35.07	Peak	165	160 HORIZONTAL
4	15948.32	45.09	54.00	-8.91	30.49	12.20	37.48	35.08	Average	165	160 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10602.64	43.01	54.00	-10.99	28.30	9.92	40.08	35.29	Average	165	285 VERTICAL
2	10628.88	55.93	74.00	-18.07	41.25	9.94	40.10	35.36	Peak	165	285 VERTICAL
3	15910.24	45.29	54.00	-8.71	30.63	12.18	37.54	35.06	Average	165	189 VERTICAL
4	15946.96	58.03	74.00	-15.97	43.42	12.20	37.48	35.07	Peak	165	189 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11025.76	54.92	74.00	-19.08	40.72	10.22	40.39	36.41	Peak	165	317	HORIZONTAL
2	11037.20	42.74	54.00	-11.26	28.52	10.23	40.39	36.40	Average	165	317	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11014.64	55.56	74.00	-18.44	41.37	10.21	40.39	36.41	Peak	165	119	VERTICAL
2	11039.76	42.68	54.00	-11.32	28.47	10.23	40.38	36.40	Average	165	119	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11084.32	42.98	54.00	-11.02	28.73	10.26	40.37	36.38	Average	165	217	HORIZONTAL
2	11088.96	55.46	74.00	-18.54	41.21	10.26	40.37	36.38	Peak	165	217	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11108.80	42.96	54.00	-11.04	28.70	10.27	40.36	36.37	Average	165	130	VERTICAL
2	11109.20	55.26	74.00	-18.74	41.00	10.27	40.36	36.37	Peak	165	130	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11328.72	56.39	74.00	-17.61	41.99	10.40	40.27	36.27 Peak	165	164	HORIZONTAL
2	11354.32	42.83	54.00	-11.17	28.41	10.42	40.26	36.26 Average	165	164	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11322.32	55.28	74.00	-18.72	40.88	10.40	40.27	36.27 Peak	165	68	VERTICAL
2	11358.88	42.95	54.00	-11.05	28.53	10.42	40.26	36.26 Average	165	68	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11428.16	43.32	54.00	-10.68	28.86	10.46	40.23	36.23	Average	165	342	HORIZONTAL
2	11436.16	55.54	74.00	-18.46	41.06	10.47	40.23	36.22	Peak	165	342	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11416.08	43.56	54.00	-10.44	29.10	10.46	40.23	36.23	Average	165	22	VERTICAL
2	11438.16	56.57	74.00	-17.43	42.10	10.47	40.22	36.22	Peak	165	22	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11505.68	43.62	54.00	-10.38	29.10	10.51	40.20	36.19	Average	165	212 HORIZONTAL
2	11506.88	56.77	74.00	-17.23	42.25	10.51	40.20	36.19	Peak	165	212 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11502.88	57.06	74.00	-16.94	42.55	10.51	40.19	36.19	Peak	165	107 VERTICAL
2	11518.88	43.66	54.00	-10.34	29.19	10.51	40.15	36.19	Average	165	107 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11571.60	56.01	74.00	-17.99	41.60	10.54	40.03	36.16	165	72	HORIZONTAL
2	11596.32	43.60	54.00	-10.40	29.21	10.55	39.99	36.15	165	72	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11570.16	55.87	74.00	-18.13	41.46	10.54	40.03	36.16	165	159	VERTICAL
2	11587.52	43.56	54.00	-10.44	29.18	10.55	39.99	36.16	165	159	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15614.16	45.93	54.00	-8.07	30.76	12.07	38.01	34.91	Average	165	217	HORIZONTAL
2	15627.52	58.64	74.00	-15.36	43.48	12.07	38.01	34.92	Peak	165	217	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15610.00	45.94	54.00	-8.06	30.76	12.07	38.02	34.91	Average	165	356	VERTICAL
2	15619.28	58.96	74.00	-15.04	43.80	12.07	38.01	34.92	Peak	165	356	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15854.96	58.01	74.00	-15.99	43.25	12.16	37.63	35.03	Peak	165	147 VERTICAL
2	15885.52	45.50	54.00	-8.50	30.80	12.17	37.58	35.05	Average	165	146 VERTICAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15870.48	45.27	54.00	-8.73	30.55	12.17	37.59	35.04	Average	165	135 HORIZONTAL
2	15886.80	57.88	74.00	-16.12	43.18	12.18	37.57	35.05	Peak	165	135 HORIZONTAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11044.56	55.66	74.00	-18.34	41.45	10.23	40.38	36.40	Peak	165	284 HORIZONTAL
2	11070.08	43.01	54.00	-10.99	28.78	10.25	40.37	36.39	Average	165	284 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11074.96	55.50	74.00	-18.50	41.27	10.25	40.37	36.39	Peak	165	202 VERTICAL
2	11078.96	43.04	54.00	-10.96	28.80	10.25	40.37	36.38	Average	165	202 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11212.08	42.86	54.00	-11.14	28.54	10.33	40.31	36.32	Average	165	355	HORIZONTAL
2	11225.52	55.37	74.00	-18.63	41.04	10.34	40.31	36.32	Peak	165	355	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11210.88	55.17	74.00	-18.83	40.85	10.33	40.31	36.32	Peak	165	112	VERTICAL
2	11222.32	42.81	54.00	-11.19	28.48	10.34	40.31	36.32	Average	165	112	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11384.08	56.69	74.00	-17.31	42.25	10.44	40.25	36.25	Peak	165	218 HORIZONTAL
2	11385.20	43.38	54.00	-10.62	28.94	10.44	40.25	36.25	Average	165	218 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	16369.84	57.40	74.00	-16.60	42.50	12.36	38.22	35.68	Peak	165	244 VERTICAL
2	16370.08	45.09	54.00	-8.91	30.19	12.36	38.22	35.68	Average	165	244 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11549.68	43.45	54.00	-10.55	29.01	10.53	40.08	36.17	Average	165	228 HORIZONTAL
2	11556.32	55.89	74.00	-18.11	41.45	10.53	40.08	36.17	Peak	165	228 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11537.92	56.34	74.00	-17.66	41.89	10.52	40.11	36.18	Peak	165	139 VERTICAL
2	11553.52	43.50	54.00	-10.50	29.07	10.53	40.07	36.17	Average	165	139 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	15610.48	45.83	54.00	-8.17	30.64	12.07	38.03	34.91	Average	165	67 HORIZONTAL
2	15638.96	57.73	74.00	-16.27	42.60	12.08	37.98	34.93	Peak	165	67 HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	15619.04	57.97	74.00	-16.03	42.81	12.07	38.01	34.92	Peak	165	154 VERTICAL
2	15619.84	45.87	54.00	-8.13	30.71	12.07	38.01	34.92	Average	165	154 VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15876.56	45.12	54.00	-8.88	30.40	12.17	37.59	35.04	Average	165	256	HORIZONTAL
2	15878.08	57.69	74.00	-16.31	42.97	12.17	37.59	35.04	Peak	165	256	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15854.16	57.69	74.00	-16.31	42.93	12.16	37.63	35.03	Peak	165	203	VERTICAL
2	15862.00	45.01	54.00	-8.99	30.25	12.17	37.62	35.03	Average	165	203	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11056.88	55.26	74.00	-18.74	41.04	10.24	40.37	36.39	Peak	165	160	HORIZONTAL
2	11066.00	42.87	54.00	-11.13	28.65	10.24	40.37	36.39	Average	165	160	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11068.40	55.73	74.00	-18.27	41.50	10.25	40.37	36.39	Peak	165	272	VERTICAL
2	11070.96	42.99	54.00	-11.01	28.76	10.25	40.37	36.39	Average	165	272	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11213.60	42.36	54.00	-11.64	28.04	10.33	40.31	36.32	Average	165	262	HORIZONTAL
2	11224.88	55.13	74.00	-18.87	40.80	10.34	40.31	36.32	Peak	165	262	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11205.44	42.55	54.00	-11.45	28.23	10.33	40.32	36.33	Average	165	302	VERTICAL
2	11226.24	55.59	74.00	-18.41	41.26	10.34	40.31	36.32	Peak	165	302	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11392.64	55.69	74.00	-18.31	41.24	10.44	40.25	36.24	Peak	165	344	HORIZONTAL
2	11393.92	43.16	54.00	-10.84	28.71	10.44	40.25	36.24	Average	165	344	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11367.84	55.92	74.00	-18.08	41.49	10.43	40.25	36.25	Peak	165	171	VERTICAL
2	11395.12	43.33	54.00	-10.67	28.89	10.44	40.24	36.24	Average	165	171	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11537.76	55.71	74.00	-18.29	41.25	10.52	40.12	36.18	165	105	HORIZONTAL
2	11556.80	43.60	54.00	-10.40	29.16	10.53	40.08	36.17	165	105	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11551.44	43.52	54.00	-10.48	29.09	10.53	40.07	36.17	165	24	VERTICAL
2	11553.76	56.24	74.00	-17.76	41.81	10.53	40.07	36.17	165	24	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15539.90	45.05	54.00	-8.95	28.74	12.58	38.45	34.72	218	100	Average	HORIZONTAL
2	15541.67	59.67	74.00	-14.33	43.37	12.58	38.45	34.73	218	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15540.78	44.90	54.00	-9.10	28.59	12.58	38.45	34.72	147	100	Average	VERTICAL
2	15540.98	59.45	74.00	-14.55	43.15	12.58	38.45	34.73	147	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15598.72	44.60	54.00	-9.40	28.41	12.58	38.36	34.75	69	100	Average	HORIZONTAL
2	15600.67	59.40	74.00	-14.60	43.21	12.58	38.36	34.75	69	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15600.92	44.45	54.00	-9.55	28.26	12.58	38.36	34.75	147	100	Average	VERTICAL
2	15601.71	58.86	74.00	-15.14	42.67	12.58	38.36	34.75	147	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15717.50	44.65	54.00	-9.35	28.69	12.57	38.19	34.80	265	100	Average	HORIZONTAL
2	15719.89	59.19	74.00	-14.81	43.23	12.57	38.19	34.80	265	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15719.76	44.51	54.00	-9.49	28.55	12.57	38.19	34.80	217	100	Average	VERTICAL
2	15722.23	58.68	74.00	-15.32	42.72	12.57	38.19	34.80	217	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15780.46	44.15	54.00	-9.85	28.29	12.57	38.11	34.82	301	100	Average	HORIZONTAL
2	15780.46	58.03	74.00	-15.97	42.17	12.57	38.11	34.82	301	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15777.50	44.21	54.00	-9.79	28.35	12.57	38.11	34.82	301	100	Average	VERTICAL
2	15779.22	58.83	74.00	-15.17	42.97	12.57	38.11	34.82	301	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10598.20	56.85	74.00	-17.15	42.00	10.16	38.92	34.23	145	100	Peak	HORIZONTAL
2	10600.64	42.66	54.00	-11.34	27.82	10.16	38.92	34.24	145	100	Average	HORIZONTAL
3	15900.02	44.30	54.00	-9.70	28.66	12.57	37.94	34.87	190	100	Average	HORIZONTAL
4	15901.06	58.80	74.00	-15.20	43.18	12.57	37.92	34.87	190	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10599.19	42.56	54.00	-11.44	27.72	10.16	38.92	34.24	145	100	Average	VERTICAL
2	10599.70	56.76	74.00	-17.24	41.92	10.16	38.92	34.24	145	100	Peak	VERTICAL
3	15901.63	44.00	54.00	-10.00	28.38	12.57	37.92	34.87	170	100	Average	VERTICAL
4	15902.40	58.24	74.00	-15.76	42.62	12.57	37.92	34.87	170	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10637.97	42.66	54.00	-11.34	27.83	10.21	38.93	34.31	114	100	Average	HORIZONTAL
2	10639.74	56.84	74.00	-17.16	42.01	10.21	38.93	34.31	114	100	Peak	HORIZONTAL
3	15959.01	58.95	74.00	-15.05	43.43	12.56	37.85	34.89	177	100	Peak	HORIZONTAL
4	15960.02	43.93	54.00	-10.07	28.41	12.56	37.85	34.89	177	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10637.91	57.94	74.00	-16.06	43.11	10.21	38.93	34.31	136	100	Peak	VERTICAL
2	10638.48	42.58	54.00	-11.42	27.75	10.21	38.93	34.31	136	100	Average	VERTICAL
3	15958.48	43.97	54.00	-10.03	28.45	12.56	37.85	34.89	92	100	Average	VERTICAL
4	15961.36	57.57	74.00	-16.43	42.05	12.56	37.85	34.89	92	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10998.65	42.50	54.00	-11.50	27.96	10.55	39.00	35.01	137	100	Average	HORIZONTAL
2	11001.05	56.90	74.00	-17.10	42.36	10.55	39.00	35.01	137	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10998.60	56.75	74.00	-17.25	42.21	10.55	39.00	35.01	195	100	Peak	VERTICAL
2	11000.67	42.45	54.00	-11.55	27.91	10.55	39.00	35.01	195	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11158.22	42.43	54.00	-11.57	27.72	10.60	39.13	35.02	198	100	Average	HORIZONTAL
2	11158.39	57.80	74.00	-16.20	43.09	10.60	39.13	35.02	198	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11160.20	56.65	74.00	-17.35	41.94	10.60	39.13	35.02	287	100	Peak	VERTICAL
2	11160.87	42.61	54.00	-11.39	27.90	10.60	39.13	35.02	287	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11400.38	43.34	54.00	-10.66	28.36	10.69	39.32	35.03	55	100	Average	HORIZONTAL
2	11401.22	58.61	74.00	-15.39	43.63	10.69	39.32	35.03	55	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11400.01	57.87	74.00	-16.13	42.89	10.69	39.32	35.03	116	100	Peak	VERTICAL
2	11401.63	43.63	54.00	-10.37	28.65	10.69	39.32	35.03	116	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11438.89	43.55	54.00	-10.45	28.54	10.69	39.35	35.03	127	100	Average	HORIZONTAL
2	11441.94	58.45	74.00	-15.55	43.44	10.69	39.35	35.03	127	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11438.89	43.95	54.00	-10.05	28.94	10.69	39.35	35.03	303	100	Average	VERTICAL
2	11442.20	58.18	74.00	-15.82	43.17	10.69	39.35	35.03	303	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11487.95	57.63	74.00	-16.37	42.56	10.71	39.39	35.03	68	100	Peak	HORIZONTAL
2	11488.61	43.31	54.00	-10.69	28.24	10.71	39.39	35.03	68	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11489.32	43.18	54.00	-10.82	28.11	10.71	39.39	35.03	168	100	Average	VERTICAL
2	11491.13	57.88	74.00	-16.12	42.81	10.71	39.39	35.03	168	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11568.42	43.24	54.00	-10.76	28.08	10.75	39.44	35.03	38	100	Average	HORIZONTAL
2	11568.88	57.78	74.00	-16.22	42.62	10.75	39.44	35.03	38	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11569.06	57.21	74.00	-16.79	42.05	10.75	39.44	35.03	100	100	Peak	VERTICAL
2	11572.24	43.39	54.00	-10.61	28.22	10.76	39.44	35.03	100	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11647.91	57.91	74.00	-16.09	42.66	10.81	39.48	35.04	234	100	Peak	HORIZONTAL
2	11650.02	43.38	54.00	-10.62	28.13	10.81	39.48	35.04	234	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11648.90	58.33	74.00	-15.67	43.08	10.81	39.48	35.04	321	100	Peak	VERTICAL
2	11649.94	43.56	54.00	-10.44	28.31	10.81	39.48	35.04	321	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15540.00	58.28	74.00	-15.72	41.97	12.58	38.45	34.72	73	100	Peak	HORIZONTAL
2	15541.72	43.28	54.00	-10.72	26.98	12.58	38.45	34.73	73	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15540.00	43.31	54.00	-10.69	27.00	12.58	38.45	34.72	118	100	Average	VERTICAL
2	15543.00	57.65	74.00	-16.35	41.35	12.58	38.45	34.73	118	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15600.00	42.74	54.00	-11.26	26.55	12.58	38.36	34.75	133	100	Average	HORIZONTAL
2	15603.00	56.89	74.00	-17.11	40.70	12.58	38.36	34.75	133	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15598.41	59.96	74.00	-14.04	43.77	12.58	38.36	34.75	82	100	Peak	VERTICAL
2	15601.50	45.25	54.00	-8.75	29.06	12.58	38.36	34.75	82	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15719.46	45.12	54.00	-8.88	29.16	12.57	38.19	34.80	255	100	Average	HORIZONTAL
2	15719.62	58.60	74.00	-15.40	42.64	12.57	38.19	34.80	255	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15717.50	45.95	54.00	-8.05	29.99	12.57	38.19	34.80	179	100	Average	VERTICAL
2	15720.00	60.23	74.00	-13.77	44.27	12.57	38.19	34.80	179	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15778.00	59.63	74.00	-14.37	43.77	12.57	38.11	34.82	175	100	Peak	HORIZONTAL
2	15780.50	44.52	54.00	-9.48	28.66	12.57	38.11	34.82	175	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15777.50	44.53	54.00	-9.47	28.67	12.57	38.11	34.82	150	100	Average	VERTICAL
2	15781.24	59.04	74.00	-14.96	43.18	12.57	38.11	34.82	150	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10599.21	42.77	54.00	-11.23	27.93	10.16	38.92	34.24	248	100 Average	HORIZONTAL
2	10599.62	56.93	74.00	-17.07	42.09	10.16	38.92	34.24	248	100 Peak	HORIZONTAL
3	15899.40	44.45	54.00	-9.55	28.81	12.57	37.94	34.87	275	100 Average	HORIZONTAL
4	15900.23	59.09	74.00	-14.91	43.45	12.57	37.94	34.87	275	100 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10599.01	42.87	54.00	-11.13	28.02	10.16	38.92	34.23	102	100 Average	VERTICAL
2	10601.45	57.79	74.00	-16.21	42.92	10.19	38.92	34.24	102	100 Peak	VERTICAL
3	15898.70	59.31	74.00	-14.69	43.67	12.57	37.94	34.87	202	100 Peak	VERTICAL
4	15899.98	44.48	54.00	-9.52	28.84	12.57	37.94	34.87	202	100 Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10637.96	57.85	74.00	-16.15	43.02	10.21	38.93	34.31	305	100	Peak	HORIZONTAL
2	10639.98	42.71	54.00	-11.29	27.89	10.21	38.93	34.32	305	100	Average	HORIZONTAL
3	15959.67	58.02	74.00	-15.98	42.50	12.56	37.85	34.89	354	100	Peak	HORIZONTAL
4	15960.04	43.98	54.00	-10.02	28.46	12.56	37.85	34.89	354	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.46	57.09	74.00	-16.91	42.26	10.21	38.93	34.31	279	100	Peak	VERTICAL
2	10639.92	42.71	54.00	-11.29	27.89	10.21	38.93	34.32	279	100	Average	VERTICAL
3	15958.25	58.46	74.00	-15.54	42.94	12.56	37.85	34.89	279	100	Peak	VERTICAL
4	15960.14	43.82	54.00	-10.18	28.30	12.56	37.85	34.89	279	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	10999.94	42.56	54.00	-11.44	28.02	10.55	39.00	35.01	53	100 Average	HORIZONTAL
2	11001.43	56.85	74.00	-17.15	42.31	10.55	39.00	35.01	53	100 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	10999.89	57.37	74.00	-16.63	42.83	10.55	39.00	35.01	172	100 Peak	VERTICAL
2	11000.03	42.53	54.00	-11.47	27.99	10.55	39.00	35.01	172	100 Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11158.53	58.04	74.00	-15.96	43.33	10.60	39.13	35.02	125	100 Peak	HORIZONTAL
2	11160.21	42.34	54.00	-11.66	27.63	10.60	39.13	35.02	125	100 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11159.74	56.53	74.00	-17.47	41.82	10.60	39.13	35.02	158	100 Peak	VERTICAL
2	11160.50	42.45	54.00	-11.55	27.74	10.60	39.13	35.02	158	100 Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.72	43.31	54.00	-10.69	28.33	10.69	39.32	35.03	123	100	Average	HORIZONTAL
2	11401.51	59.00	74.00	-15.00	44.02	10.69	39.32	35.03	123	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11400.17	57.43	74.00	-16.57	42.45	10.69	39.32	35.03	158	100	Peak	VERTICAL
2	11402.00	43.30	54.00	-10.70	28.32	10.69	39.32	35.03	158	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11439.86	43.53	54.00	-10.47	28.52	10.69	39.35	35.03	94	100	Average	HORIZONTAL
2	11440.74	55.87	74.00	-18.13	40.86	10.69	39.35	35.03	94	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11439.59	58.21	74.00	-15.79	43.20	10.69	39.35	35.03	248	100	Peak	VERTICAL
2	11440.00	43.54	54.00	-10.46	28.53	10.69	39.35	35.03	248	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11489.58	58.57	74.00	-15.43	43.50	10.71	39.39	35.03	157	100	Peak	HORIZONTAL
2	11490.40	43.14	54.00	-10.86	28.07	10.71	39.39	35.03	157	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11489.95	56.96	74.00	-17.04	41.89	10.71	39.39	35.03	293	100	Peak	VERTICAL
2	11490.09	43.12	54.00	-10.88	28.05	10.71	39.39	35.03	293	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	11568.50	43.29	54.00	-10.71	28.13	10.75	39.44	35.03	103	100 Average	HORIZONTAL
2	11570.15	56.97	74.00	-17.03	41.80	10.76	39.44	35.03	103	100 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	11569.00	43.38	54.00	-10.62	28.22	10.75	39.44	35.03	204	100 Average	VERTICAL
2	11569.74	57.55	74.00	-16.45	42.39	10.75	39.44	35.03	204	100 Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11647.92	57.68	74.00	-16.32	42.43	10.81	39.48	35.04	237	100 Peak	HORIZONTAL
2	11650.33	43.12	54.00	-10.88	27.87	10.81	39.48	35.04	237	100 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11650.19	43.23	54.00	-10.77	27.98	10.81	39.48	35.04	306	100 Average	VERTICAL
2	11652.36	57.95	74.00	-16.05	42.69	10.81	39.49	35.04	306	100 Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15539.49	44.83	54.00	-9.17	28.52	12.58	38.45	34.72	82	100	Average	HORIZONTAL
2	15540.90	58.26	74.00	-15.74	41.96	12.58	38.45	34.73	82	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15540.54	59.61	74.00	-14.39	43.30	12.58	38.45	34.72	250	100	Peak	VERTICAL
2	15542.16	44.72	54.00	-9.28	28.42	12.58	38.45	34.73	250	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15597.66	44.42	54.00	-9.58	28.23	12.58	38.36	34.75	206	100	Average	HORIZONTAL
2	15598.85	58.63	74.00	-15.37	42.44	12.58	38.36	34.75	206	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15598.34	58.08	74.00	-15.92	41.89	12.58	38.36	34.75	323	100	Peak	VERTICAL
2	15598.84	44.39	54.00	-9.61	28.20	12.58	38.36	34.75	323	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15719.05	44.46	54.00	-9.54	28.50	12.57	38.19	34.80	118	100	Average	HORIZONTAL
2	15720.98	58.18	74.00	-15.82	42.22	12.57	38.19	34.80	118	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15718.27	59.27	74.00	-14.73	43.31	12.57	38.19	34.80	164	100	Peak	VERTICAL
2	15719.62	44.53	54.00	-9.47	28.57	12.57	38.19	34.80	164	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.59	57.87	74.00	-16.13	42.01	12.57	38.11	34.82	100	100	Peak	HORIZONTAL
2	15780.45	43.95	54.00	-10.05	28.09	12.57	38.11	34.82	100	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15777.73	44.20	54.00	-9.80	28.34	12.57	38.11	34.82	236	100	Average	VERTICAL
2	15782.36	57.49	74.00	-16.51	41.65	12.57	38.09	34.82	236	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10597.98	56.45	74.00	-17.55	41.60	10.16	38.92	34.23	172	100	Peak	HORIZONTAL
2	10598.81	42.81	54.00	-11.19	27.96	10.16	38.92	34.23	172	100	Average	HORIZONTAL
3	15898.89	43.90	54.00	-10.10	28.26	12.57	37.94	34.87	209	100	Average	HORIZONTAL
4	15901.88	58.24	74.00	-15.76	42.62	12.57	37.92	34.87	209	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10597.84	56.53	74.00	-17.47	41.68	10.16	38.92	34.23	309	100	Peak	VERTICAL
2	10600.38	42.81	54.00	-11.19	27.97	10.16	38.92	34.24	309	100	Average	VERTICAL
3	15900.66	57.62	74.00	-16.38	42.00	12.57	37.92	34.87	251	100	Peak	VERTICAL
4	15901.60	44.01	54.00	-9.99	28.39	12.57	37.92	34.87	251	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10637.62	55.01	74.00	-18.99	40.18	10.21	38.93	34.31	88	100	Peak	HORIZONTAL
2	10640.30	42.95	54.00	-11.05	28.13	10.21	38.93	34.32	88	100	Average	HORIZONTAL
3	15958.97	43.58	54.00	-10.42	28.06	12.56	37.85	34.89	225	100	Average	HORIZONTAL
4	15958.97	57.22	74.00	-16.78	41.70	12.56	37.85	34.89	225	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.83	57.12	74.00	-16.88	42.29	10.21	38.93	34.31	142	100	Peak	VERTICAL
2	10640.30	42.88	54.00	-11.12	28.06	10.21	38.93	34.32	142	100	Average	VERTICAL
3	15959.09	43.43	54.00	-10.57	27.91	12.56	37.85	34.89	180	100	Average	VERTICAL
4	15960.61	56.99	74.00	-17.01	41.47	12.56	37.85	34.89	180	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10998.27	55.94	74.00	-18.06	41.40	10.55	39.00	35.01	116	100	Peak	HORIZONTAL
2	10998.40	42.55	54.00	-11.45	28.01	10.55	39.00	35.01	116	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11001.25	57.22	74.00	-16.78	42.68	10.55	39.00	35.01	170	100	Peak	VERTICAL
2	11001.47	42.58	54.00	-11.42	28.04	10.55	39.00	35.01	170	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11159.26	42.85	54.00	-11.15	28.14	10.60	39.13	35.02	85	100	Average	HORIZONTAL
2	11160.48	56.77	74.00	-17.23	42.06	10.60	39.13	35.02	85	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11158.67	56.53	74.00	-17.47	41.82	10.60	39.13	35.02	162	100	Peak	VERTICAL
2	11158.72	42.73	54.00	-11.27	28.02	10.60	39.13	35.02	162	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11398.03	57.56	74.00	-16.44	42.58	10.69	39.32	35.03	305	100	Peak	HORIZONTAL
2	11399.23	43.55	54.00	-10.45	28.57	10.69	39.32	35.03	305	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11397.83	43.72	54.00	-10.28	28.74	10.69	39.32	35.03	195	100	Average	VERTICAL
2	11398.25	57.84	74.00	-16.16	42.86	10.69	39.32	35.03	195	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11440.18	57.65	74.00	-16.35	42.64	10.69	39.35	35.03	122	100	Peak	HORIZONTAL
2	11441.48	43.58	54.00	-10.42	28.57	10.69	39.35	35.03	122	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11439.85	57.51	74.00	-16.49	42.50	10.69	39.35	35.03	185	100	Peak	VERTICAL
2	11441.21	43.62	54.00	-10.38	28.61	10.69	39.35	35.03	185	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11488.65	43.35	54.00	-10.65	28.28	10.71	39.39	35.03	227	100	Average	HORIZONTAL
2	11488.76	57.15	74.00	-16.85	42.08	10.71	39.39	35.03	227	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11489.58	43.22	54.00	-10.78	28.15	10.71	39.39	35.03	139	100	Average	VERTICAL
2	11492.23	57.21	74.00	-16.79	42.14	10.71	39.39	35.03	139	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11570.76	58.12	74.00	-15.88	42.95	10.76	39.44	35.03	333	100	Peak	HORIZONTAL
2	11572.06	43.29	54.00	-10.71	28.12	10.76	39.44	35.03	333	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11570.78	43.44	54.00	-10.56	28.27	10.76	39.44	35.03	199	100	Average	VERTICAL
2	11572.08	57.67	74.00	-16.33	42.50	10.76	39.44	35.03	199	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11648.13	56.95	74.00	-17.05	41.70	10.81	39.48	35.04	255	100	Peak	HORIZONTAL
2	11650.54	43.66	54.00	-10.34	28.40	10.81	39.49	35.04	255	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11648.60	58.21	74.00	-15.79	42.96	10.81	39.48	35.04	319	100	Peak	VERTICAL
2	11649.66	43.57	54.00	-10.43	28.32	10.81	39.48	35.04	319	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15568.19	59.57	74.00	-14.43	43.33	12.58	38.40	34.74	138	100	Peak	HORIZONTAL
2	15569.94	44.93	54.00	-9.07	28.69	12.58	38.40	34.74	138	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15568.17	45.04	54.00	-8.96	28.80	12.58	38.40	34.74	222	100	Average	VERTICAL
2	15571.87	58.52	74.00	-15.48	42.28	12.58	38.40	34.74	222	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15687.87	59.49	74.00	-14.51	43.46	12.58	38.23	34.78	151	100	Peak	HORIZONTAL
2	15689.83	44.07	54.00	-9.93	28.05	12.58	38.23	34.79	151	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15689.83	44.27	54.00	-9.73	28.25	12.58	38.23	34.79	311	100	Average	VERTICAL
2	15690.81	58.81	74.00	-15.19	42.79	12.58	38.23	34.79	311	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	15810.23	44.21	54.00	-9.79	28.40	12.57	38.07	34.83	195	100 Average	HORIZONTAL
2	15810.41	57.76	74.00	-16.24	41.95	12.57	38.07	34.83	195	100 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	15809.98	44.68	54.00	-9.32	28.87	12.57	38.07	34.83	135	100 Average	VERTICAL
2	15810.24	58.28	74.00	-15.72	42.47	12.57	38.07	34.83	135	100 Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10618.63	57.48	74.00	-16.52	42.64	10.19	38.92	34.27	137	100 Peak	HORIZONTAL
2	10620.01	42.72	54.00	-11.28	27.89	10.19	38.92	34.28	137	100 Average	HORIZONTAL
3	15928.81	57.85	74.00	-16.15	42.27	12.56	37.90	34.88	231	100 Peak	HORIZONTAL
4	15930.54	44.31	54.00	-9.69	28.73	12.56	37.90	34.88	231	100 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10619.73	42.87	54.00	-11.13	28.04	10.19	38.92	34.28	264	100 Average	VERTICAL
2	10620.01	56.55	74.00	-17.45	41.72	10.19	38.92	34.28	264	100 Peak	VERTICAL
3	15928.60	43.98	54.00	-10.02	28.40	12.56	37.90	34.88	307	100 Average	VERTICAL
4	15929.89	57.92	74.00	-16.08	42.34	12.56	37.90	34.88	307	100 Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11019.73	42.56	54.00	-11.44	28.00	10.56	39.01	35.01	77	100	Average	HORIZONTAL
2	11020.32	56.70	74.00	-17.30	42.14	10.56	39.01	35.01	77	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11019.44	43.16	54.00	-10.84	28.60	10.56	39.01	35.01	284	100	Average	VERTICAL
2	11019.67	57.29	74.00	-16.71	42.73	10.56	39.01	35.01	284	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11099.32	42.68	54.00	-11.32	28.03	10.58	39.08	35.01	302	100	Average	HORIZONTAL
2	11101.33	57.50	74.00	-16.50	42.85	10.58	39.08	35.01	302	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11100.88	42.69	54.00	-11.31	28.04	10.58	39.08	35.01	253	100	Average	VERTICAL
2	11101.89	57.19	74.00	-16.81	42.54	10.58	39.08	35.01	253	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11338.91	56.70	74.00	-17.30	41.79	10.66	39.27	35.02	63	100	Peak	HORIZONTAL
2	11339.99	43.42	54.00	-10.58	28.51	10.66	39.27	35.02	63	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11341.03	57.57	74.00	-16.43	42.65	10.67	39.27	35.02	323	100	Peak	VERTICAL
2	11341.92	43.33	54.00	-10.67	28.41	10.67	39.27	35.02	323	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11420.00	42.40	54.00	-11.60	27.41	10.69	39.33	35.03	244	100	Average	HORIZONTAL
2	11420.00	56.90	74.00	-17.10	41.91	10.69	39.33	35.03	244	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11418.33	43.88	54.00	-10.12	28.89	10.69	39.33	35.03	118	100	Average	VERTICAL
2	11419.73	57.31	74.00	-16.69	42.32	10.69	39.33	35.03	118	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11509.42	43.29	54.00	-10.71	28.20	10.72	39.40	35.03	124	100	Average	HORIZONTAL
2	11511.79	56.94	74.00	-17.06	41.85	10.72	39.40	35.03	124	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11508.08	43.30	54.00	-10.70	28.21	10.72	39.40	35.03	202	100	Average	VERTICAL
2	11509.15	57.75	74.00	-16.25	42.66	10.72	39.40	35.03	202	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11590.63	57.97	74.00	-16.03	42.79	10.76	39.45	35.03	85	100	Peak	HORIZONTAL
2	11590.65	43.49	54.00	-10.51	28.31	10.76	39.45	35.03	85	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11590.42	56.85	74.00	-17.15	41.67	10.76	39.45	35.03	156	100	Peak	VERTICAL
2	11590.65	43.16	54.00	-10.84	27.98	10.76	39.45	35.03	156	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15568.90	44.60	54.00	-9.40	28.36	12.58	38.40	34.74	255	100	Average	HORIZONTAL
2	15570.77	58.42	74.00	-15.58	42.18	12.58	38.40	34.74	255	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15567.80	44.61	54.00	-9.39	28.37	12.58	38.40	34.74	344	100	Average	VERTICAL
2	15569.33	58.64	74.00	-15.36	42.40	12.58	38.40	34.74	344	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15690.77	44.75	54.00	-9.25	28.73	12.58	38.23	34.79	97	100	Average	HORIZONTAL
2	15692.13	58.71	74.00	-15.29	42.69	12.58	38.23	34.79	97	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15687.53	58.91	74.00	-15.09	42.88	12.58	38.23	34.78	143	100	Peak	VERTICAL
2	15691.11	44.33	54.00	-9.67	28.31	12.58	38.23	34.79	143	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15808.12	58.11	74.00	-15.89	42.30	12.57	38.07	34.83	162	100	Peak	HORIZONTAL
2	15810.14	43.88	54.00	-10.12	28.07	12.57	38.07	34.83	162	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15810.00	43.73	54.00	-10.27	27.92	12.57	38.07	34.83	269	100	Average	VERTICAL
2	15810.20	57.54	74.00	-16.46	41.73	12.57	38.07	34.83	269	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10617.63	42.48	54.00	-11.52	27.64	10.19	38.92	34.27	128	100 Average	HORIZONTAL
2	10619.15	56.49	74.00	-17.51	41.65	10.19	38.92	34.27	128	100 Peak	HORIZONTAL
3	15929.96	57.84	74.00	-16.16	42.26	12.56	37.90	34.88	179	100 Peak	HORIZONTAL
4	15932.39	43.68	54.00	-10.32	28.10	12.56	37.90	34.88	179	100 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10617.88	57.07	74.00	-16.93	42.23	10.19	38.92	34.27	136	100 Peak	VERTICAL
2	10618.12	42.49	54.00	-11.51	27.65	10.19	38.92	34.27	136	100 Average	VERTICAL
3	15928.65	43.74	54.00	-10.26	28.16	12.56	37.90	34.88	238	100 Average	VERTICAL
4	15930.23	57.65	74.00	-16.35	42.07	12.56	37.90	34.88	238	100 Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11019.48	42.41	54.00	-11.59	27.85	10.56	39.01	35.01	211	100	Average	HORIZONTAL
2	11022.10	56.89	74.00	-17.11	42.31	10.56	39.03	35.01	211	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11018.98	57.31	74.00	-16.69	42.75	10.56	39.01	35.01	309	100	Peak	VERTICAL
2	11019.45	42.48	54.00	-11.52	27.92	10.56	39.01	35.01	309	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11098.61	42.47	54.00	-11.53	27.82	10.58	39.08	35.01	99	100	Average	HORIZONTAL
2	11100.94	57.24	74.00	-16.76	42.59	10.58	39.08	35.01	99	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11097.99	42.55	54.00	-11.45	27.90	10.58	39.08	35.01	230	100	Average	VERTICAL
2	11098.51	56.50	74.00	-17.50	41.85	10.58	39.08	35.01	230	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11340.20	57.04	74.00	-16.96	42.13	10.66	39.27	35.02	339	100	Peak	HORIZONTAL
2	11340.66	43.16	54.00	-10.84	28.24	10.67	39.27	35.02	339	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11339.83	57.20	74.00	-16.80	42.29	10.66	39.27	35.02	275	100	Peak	VERTICAL
2	11341.54	43.08	54.00	-10.92	28.16	10.67	39.27	35.02	275	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11418.25	43.56	54.00	-10.44	28.57	10.69	39.33	35.03	197	100	Average	HORIZONTAL
2	11420.10	57.58	74.00	-16.42	42.59	10.69	39.33	35.03	197	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11417.71	57.80	74.00	-16.20	42.81	10.69	39.33	35.03	121	100	Peak	VERTICAL
2	11418.08	43.60	54.00	-10.40	28.61	10.69	39.33	35.03	121	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11508.76	57.51	74.00	-16.49	42.42	10.72	39.40	35.03	158	100	Peak	HORIZONTAL
2	11509.19	43.17	54.00	-10.83	28.08	10.72	39.40	35.03	158	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11508.01	43.05	54.00	-10.95	27.96	10.72	39.40	35.03	304	100	Average	VERTICAL
2	11508.65	57.74	74.00	-16.26	42.65	10.72	39.40	35.03	304	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11590.23	57.86	74.00	-16.14	42.68	10.76	39.45	35.03	315	100	Peak	HORIZONTAL
2	11592.22	43.17	54.00	-10.83	27.99	10.76	39.45	35.03	315	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11590.94	43.28	54.00	-10.72	28.10	10.76	39.45	35.03	143	100	Average	VERTICAL
2	11591.09	57.57	74.00	-16.43	42.39	10.76	39.45	35.03	143	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15628.81	44.48	54.00	-9.52	28.35	12.58	38.31	34.76	103	100	Average	HORIZONTAL
2	15629.79	57.83	74.00	-16.17	41.70	12.58	38.31	34.76	103	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15628.81	44.75	54.00	-9.25	28.62	12.58	38.31	34.76	191	100	Average	VERTICAL
2	15631.23	59.71	74.00	-14.29	43.58	12.58	38.31	34.76	191	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15868.58	57.92	74.00	-16.08	42.24	12.57	37.97	34.86	64	100	Peak	HORIZONTAL
2	15871.90	44.11	54.00	-9.89	28.43	12.57	37.97	34.86	64	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15868.36	57.68	74.00	-16.32	42.00	12.57	37.97	34.86	240	101	Peak	VERTICAL
2	15868.45	44.22	54.00	-9.78	28.54	12.57	37.97	34.86	240	101	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11059.18	42.94	54.00	-11.06	28.33	10.57	39.05	35.01	330	100	Average	HORIZONTAL
2	11062.09	56.46	74.00	-17.54	41.84	10.58	39.05	35.01	330	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11058.18	57.50	74.00	-16.50	42.89	10.57	39.05	35.01	281	100	Peak	VERTICAL
2	11061.26	42.89	54.00	-11.11	28.27	10.58	39.05	35.01	281	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11219.82	55.39	74.00	-18.61	40.61	10.63	39.17	35.02	308	100	Peak	HORIZONTAL
2	11222.04	43.16	54.00	-10.84	28.38	10.63	39.17	35.02	308	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11218.98	56.48	74.00	-17.52	41.70	10.63	39.17	35.02	131	100	Peak	VERTICAL
2	11219.86	43.28	54.00	-10.72	28.50	10.63	39.17	35.02	131	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11380.10	43.26	54.00	-10.74	28.30	10.68	39.31	35.03	104	100	Average	HORIZONTAL
2	11382.22	57.04	74.00	-16.96	42.08	10.68	39.31	35.03	104	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11377.74	43.55	54.00	-10.45	28.61	10.68	39.29	35.03	207	100	Average	VERTICAL
2	11380.52	57.75	74.00	-16.25	42.79	10.68	39.31	35.03	207	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11463.17	57.32	74.00	-16.68	42.29	10.70	39.36	35.03	84	100 Peak	HORIZONTAL
2	11464.70	43.85	54.00	-10.15	28.81	10.70	39.37	35.03	84	100 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11464.06	43.92	54.00	-10.08	28.88	10.70	39.37	35.03	235	100 Average	VERTICAL
2	11465.18	57.16	74.00	-16.84	42.12	10.70	39.37	35.03	235	100 Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15630.62	44.51	54.00	-9.49	28.38	12.58	38.31	34.76	339	100	Average	HORIZONTAL
2	15631.15	58.95	74.00	-15.05	42.82	12.58	38.31	34.76	339	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15630.60	44.53	54.00	-9.47	28.40	12.58	38.31	34.76	262	100	Average	VERTICAL
2	15632.11	58.36	74.00	-15.64	42.23	12.58	38.31	34.76	262	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15869.82	43.97	54.00	-10.03	28.29	12.57	37.97	34.86	243	100	Average	HORIZONTAL
2	15870.43	58.07	74.00	-15.93	42.39	12.57	37.97	34.86	243	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15869.90	43.88	54.00	-10.12	28.20	12.57	37.97	34.86	115	100	Average	VERTICAL
2	15870.59	58.71	74.00	-15.29	43.03	12.57	37.97	34.86	115	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11059.06	42.48	54.00	-11.52	27.87	10.57	39.05	35.01	113	100	Average	HORIZONTAL
2	11060.34	57.29	74.00	-16.71	42.67	10.58	39.05	35.01	113	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11058.44	42.56	54.00	-11.44	27.95	10.57	39.05	35.01	46	100	Average	VERTICAL
2	11060.48	56.64	74.00	-17.36	42.02	10.58	39.05	35.01	46	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11219.67	56.65	74.00	-17.35	41.87	10.63	39.17	35.02	203	100	Peak	HORIZONTAL
2	11220.42	42.52	54.00	-11.48	27.74	10.63	39.17	35.02	203	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11220.32	42.54	54.00	-11.46	27.76	10.63	39.17	35.02	127	100	Average	VERTICAL
2	11221.28	56.71	74.00	-17.29	41.93	10.63	39.17	35.02	127	100	Peak	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11378.61	42.97	54.00	-11.03	28.01	10.68	39.31	35.03	187	100	Average	HORIZONTAL
2	11378.88	57.93	74.00	-16.07	42.97	10.68	39.31	35.03	187	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	11378.92	57.13	74.00	-16.87	42.17	10.68	39.31	35.03	257	100	Peak	VERTICAL
2	11380.66	43.17	54.00	-10.83	28.21	10.68	39.31	35.03	257	100	Average	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 22, 2014	Test Mode	Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11550.33	57.81	74.00	-16.19	42.66	10.75	39.43	35.03	107	100	Peak	HORIZONTAL
2	11550.47	43.12	54.00	-10.88	27.97	10.75	39.43	35.03	107	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11550.74	43.05	54.00	-10.95	27.90	10.75	39.43	35.03	239	100	Average	VERTICAL
2	11552.23	57.58	74.00	-16.42	42.43	10.75	39.43	35.03	239	100	Peak	VERTICAL

Note:

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

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

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

4.6. Band Edge Emissions Measurement

4.6.1. Limit

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

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

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

4.6.2. Measuring Instruments and Setting

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

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

4.6.3. Test Procedures

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

4.6.4. Test Setup Layout

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

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		deg	cm	
1	5097.03	64.73	74.00	-9.27	61.89	4.31	33.06	34.53	Peak	350	111	VERTICAL
2	5107.16	53.84	54.00	-0.16	50.96	4.32	33.09	34.53	Average	350	111	VERTICAL
3	5186.66	103.04			100.02	4.36	33.19	34.53	Average	350	111	VERTICAL
4	5186.95	113.29			110.27	4.36	33.19	34.53	Peak	350	111	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		deg	cm	
1	5120.77	53.92	54.00	-0.08	51.04	4.32	33.09	34.53	Average	29	111	VERTICAL
2	5121.06	65.12	74.00	-8.88	62.24	4.32	33.09	34.53	Peak	29	111	VERTICAL
3	5201.16	112.79			109.73	4.37	33.22	34.53	Peak	29	111	VERTICAL
4	5201.16	102.76			99.70	4.37	33.22	34.53	Average	29	111	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		deg	cm	
1	5127.42	46.24	54.00	-7.76	43.33	4.33	33.11	34.53	Average	354	123	VERTICAL
2	5130.90	58.74	74.00	-15.26	55.83	4.33	33.11	34.53	Peak	354	123	VERTICAL
3	5236.96	117.85			114.72	4.39	33.27	34.53	Peak	354	123	VERTICAL
4	5237.40	107.60			104.47	4.39	33.27	34.53	Average	354	123	VERTICAL
5	5357.81	58.67	74.00	-15.33	55.27	4.47	33.46	34.53	Peak	354	123	VERTICAL
6	5357.81	46.19	54.00	-7.81	42.79	4.47	33.46	34.53	Average	354	123	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5147.40	57.99	74.00	-16.01	55.04	4.34	33.14	34.53	6	120	VERTICAL
2	5147.40	45.78	54.00	-8.22	42.83	4.34	33.14	34.53	6	120	VERTICAL
3	5258.70	118.01			114.79	4.42	33.33	34.53	6	120	VERTICAL
4	5258.70	107.84			104.62	4.42	33.33	34.53	6	120	VERTICAL
5	5359.12	58.44	74.00	-15.56	55.04	4.47	33.46	34.53	6	120	VERTICAL
6	5379.52	45.84	54.00	-8.16	42.37	4.49	33.51	34.53	6	120	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5298.26	103.15			99.86	4.44	33.38	34.53	3	103	VERTICAL
2	5298.70	114.09			110.80	4.44	33.38	34.53	3	103	VERTICAL
3	5378.65	64.19	74.00	-9.81	60.72	4.49	33.51	34.53	3	103	VERTICAL
4	5378.65	53.80	54.00	-0.20	50.33	4.49	33.51	34.53	3	103	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5318.26	113.34			110.01	4.45	33.41	34.53	359	100	VERTICAL
2	5318.26	102.63			99.30	4.45	33.41	34.53	359	100	VERTICAL
3	5398.19	53.99	54.00	-0.01	50.48	4.50	33.54	34.53	359	100	VERTICAL
4	5399.06	64.60	74.00	-9.40	61.09	4.50	33.54	34.53	359	100	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 100, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2014 / Nov. 26, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preampl		T/Pos	A/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	deg	cm
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5418.32	53.99	54.00	-0.01	50.43	4.52	33.57	34.53	Average	1	100 VERTICAL
2	5418.77	64.99	74.00	-9.01	61.43	4.52	33.57	34.53	Peak	1	100 VERTICAL
3	5467.97	58.00	74.00	-16.00	54.33	4.55	33.65	34.53	Peak	1	100 VERTICAL
4	5467.97	44.56	54.00	-9.44	40.89	4.55	33.65	34.53	Average	1	100 VERTICAL
5	5498.26	103.09			99.35	4.57	33.70	34.53	Average	1	100 VERTICAL
6	5498.84	113.63			109.89	4.57	33.70	34.53	Peak	1	100 VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preampl		T/Pos	A/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	deg	cm
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5698.72	105.90			97.79	6.81	34.68	33.38	334 100 Average		VERTICAL
2	5698.72	115.70			107.59	6.81	34.68	33.38	334 100 Peak		VERTICAL
3	5725.96	67.68	68.20	-0.52	59.53	6.83	34.69	33.37	334 100 Peak		VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 149

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm
1	5663.77	67.01	68.20	-1.19	62.73	4.67	34.17	34.56	Peak	1	105 VERTICAL
2	5725.00	78.08	78.20	-0.12	73.57	4.72	34.37	34.58	Peak	1	105 VERTICAL
3	5743.55	105.47			100.90	4.73	34.42	34.58	Average	1	105 VERTICAL
4	5743.84	116.09			111.52	4.73	34.42	34.58	Peak	1	105 VERTICAL

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

Channel 157

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm
1	5703.42	68.11	68.20	-0.09	63.65	4.71	34.32	34.57	Peak	358	100 VERTICAL
2	5722.40	58.82	78.20	-19.38	54.31	4.72	34.37	34.58	Peak	358	100 VERTICAL
3	5783.26	105.77			101.08	4.75	34.53	34.59	Average	358	100 VERTICAL
4	5783.55	116.19			111.50	4.75	34.53	34.59	Peak	358	100 VERTICAL
5	5852.89	58.68	78.20	-19.52	53.75	4.80	34.73	34.60	Peak	358	100 VERTICAL
6	5863.76	68.12	68.20	-0.08	63.12	4.81	34.79	34.60	Peak	358	100 VERTICAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm
1	5823.84	115.80			110.93	4.79	34.68	34.60	Peak	4	100 VERTICAL
2	5823.84	105.35			100.48	4.79	34.68	34.60	Average	4	100 VERTICAL
3	5850.00	66.82	78.20	-11.38	61.89	4.80	34.73	34.60	Peak	4	100 VERTICAL
4	5903.70	68.18	68.20	-0.02	63.07	4.83	34.89	34.61	Peak	4	100 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm
1	5106.87	65.20	74.00	-8.80	62.32	4.32	33.09	34.53	Peak	349	100 VERTICAL
2	5106.87	53.81	54.00	-0.19	50.93	4.32	33.09	34.53	Average	349	100 VERTICAL
3	5181.74	103.40			100.38	4.36	33.19	34.53	Average	349	100 VERTICAL
4	5182.03	113.23			110.21	4.36	33.19	34.53	Peak	349	100 VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm
1	5119.32	63.93	74.00	-10.07	61.05	4.32	33.09	34.53	Peak	16	100 VERTICAL
2	5125.11	53.81	54.00	-0.19	50.90	4.33	33.11	34.53	Average	16	100 VERTICAL
3	5194.79	112.77			109.71	4.37	33.22	34.53	Peak	16	100 VERTICAL
4	5195.08	103.47			100.41	4.37	33.22	34.53	Average	16	100 VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm
1	5124.82	46.13	54.00	-7.87	43.22	4.33	33.11	34.53	Average	22	100 VERTICAL
2	5125.25	58.14	74.00	-15.86	55.23	4.33	33.11	34.53	Peak	22	100 VERTICAL
3	5235.22	116.85			113.72	4.39	33.27	34.53	Peak	22	100 VERTICAL
4	5235.22	107.66			104.53	4.39	33.27	34.53	Average	22	100 VERTICAL
5	5355.64	45.78	54.00	-8.22	42.38	4.47	33.46	34.53	Average	22	100 VERTICAL
6	5370.41	58.43	74.00	-15.57	54.99	4.48	33.49	34.53	Peak	22	100 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5144.79	57.93	74.00	-16.07	54.98	4.34	33.14	34.53	Peak	28	100	VERTICAL
2	5144.79	45.64	54.00	-8.36	42.69	4.34	33.14	34.53	Average	28	100	VERTICAL
3	5260.43	107.98			104.76	4.42	33.33	34.53	Average	28	100	VERTICAL
4	5265.64	117.79			114.57	4.42	33.33	34.53	Peak	28	100	VERTICAL
5	5373.01	57.81	74.00	-16.19	54.37	4.48	33.49	34.53	Peak	28	100	VERTICAL
6	5375.18	46.39	54.00	-7.61	42.95	4.48	33.49	34.53	Average	28	100	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5301.45	104.62			101.33	4.44	33.38	34.53	Average	339	135	VERTICAL
2	5306.37	114.44			111.15	4.44	33.38	34.53	Peak	339	135	VERTICAL
3	5376.63	64.10	74.00	-9.90	60.66	4.48	33.49	34.53	Peak	339	135	VERTICAL
4	5381.26	53.86	54.00	-0.14	50.39	4.49	33.51	34.53	Average	339	135	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5321.16	113.38			110.05	4.45	33.41	34.53	Peak	348	111	VERTICAL
2	5321.45	103.43			100.10	4.45	33.41	34.53	Average	348	111	VERTICAL
3	5396.60	64.59	74.00	-9.41	61.08	4.50	33.54	34.53	Peak	348	111	VERTICAL
4	5396.60	53.94	54.00	-0.06	50.43	4.50	33.54	34.53	Average	348	111	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2014 / Nov. 25, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5421.79	53.88	54.00	-0.12	50.32	4.52	33.57	34.53	Average	353	106	VERTICAL
2	5422.08	65.14	74.00	-8.86	61.58	4.52	33.57	34.53	Peak	353	106	VERTICAL
3	5467.11	45.59	54.00	-8.41	41.92	4.55	33.65	34.53	Average	353	106	VERTICAL
4	5467.40	58.98	74.00	-15.02	55.31	4.55	33.65	34.53	Peak	353	106	VERTICAL
5	5501.74	113.67			109.93	4.57	33.70	34.53	Peak	353	106	VERTICAL
6	5506.95	102.55			98.81	4.57	33.70	34.53	Average	353	106	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	5701.60	102.58			94.47	6.81	34.68	33.38	6	100	Average
2	5701.60	113.42			105.31	6.81	34.68	33.38	6	100	Peak
3	5725.00	67.99	68.20	-0.21	59.84	6.83	34.69	33.37	6	100	Peak

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 149

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm
1	5662.32	67.29	68.20	-0.91	63.01	4.67	34.17	34.56	Peak	349	100 VERTICAL
2	5723.26	77.81	78.20	-0.39	73.30	4.72	34.37	34.58	Peak	349	100 VERTICAL
3	5747.03	104.18			99.61	4.73	34.42	34.58	Average	349	100 VERTICAL
4	5747.32	115.54			110.97	4.73	34.42	34.58	Peak	349	100 VERTICAL

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

Channel 157

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm
1	5702.26	68.08	68.20	-0.12	63.62	4.71	34.32	34.57	Peak	350	105 VERTICAL
2	5722.40	58.86	78.20	-19.34	54.35	4.72	34.37	34.58	Peak	350	105 VERTICAL
3	5787.03	116.21			111.46	4.76	34.58	34.59	Peak	350	105 VERTICAL
4	5787.03	104.70			99.95	4.76	34.58	34.59	Average	350	105 VERTICAL
5	5851.16	58.44	78.20	-19.76	53.51	4.80	34.73	34.60	Peak	350	105 VERTICAL
6	5871.87	66.67	68.20	-1.53	61.61	4.82	34.84	34.60	Peak	350	105 VERTICAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	deg	cm
1	5827.32	105.34			100.47	4.79	34.68	34.60	Average	356	100 VERTICAL
2	5827.60	116.54			111.67	4.79	34.68	34.60	Peak	356	100 VERTICAL
3	5850.00	73.53	78.20	-4.67	68.60	4.80	34.73	34.60	Peak	356	100 VERTICAL
4	5903.13	67.92	68.20	-0.28	62.81	4.83	34.89	34.61	Peak	356	100 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5102.24	53.84	54.00	-0.16	51.00	4.31	33.06	34.53	Average	353	100	VERTICAL
2	5106.87	64.89	74.00	-9.11	62.01	4.32	33.09	34.53	Peak	353	100	VERTICAL
3	5177.11	113.34			110.32	4.36	33.19	34.53	Peak	353	100	VERTICAL
4	5182.03	103.26			100.24	4.36	33.19	34.53	Average	353	100	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5126.56	53.90	54.00	-0.10	50.99	4.33	33.11	34.53	Average	351	220	VERTICAL
2	5126.85	65.02	74.00	-8.98	62.11	4.33	33.11	34.53	Peak	351	220	VERTICAL
3	5202.03	113.10			110.04	4.37	33.22	34.53	Peak	351	220	VERTICAL
4	5202.03	103.38			100.32	4.37	33.22	34.53	Average	351	220	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor		Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5122.21	46.69	54.00	-7.31	43.81	4.32	33.09	34.53	Average	350	125	VERTICAL
2	5125.25	59.28	74.00	-14.72	56.37	4.33	33.11	34.53	Peak	350	125	VERTICAL
3	5242.17	106.73			103.56	4.40	33.30	34.53	Average	350	125	VERTICAL
4	5246.51	117.58			114.41	4.40	33.30	34.53	Peak	350	125	VERTICAL
5	5362.16	46.60	54.00	-7.40	43.16	4.48	33.49	34.53	Average	350	125	VERTICAL
6	5362.59	59.11	74.00	-14.89	55.67	4.48	33.49	34.53	Peak	350	125	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014 / Nov. 25, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5133.07	59.59	74.00	-14.41	56.68	4.33	33.11	34.53	Peak	348	100	VERTICAL
2	5146.53	46.61	54.00	-7.39	43.66	4.34	33.14	34.53	Average	348	100	VERTICAL
3	5266.51	118.31			115.09	4.42	33.33	34.53	Peak	348	100	VERTICAL
4	5266.51	106.94			103.72	4.42	33.33	34.53	Average	348	100	VERTICAL
5	5373.88	46.56	54.00	-7.44	43.12	4.48	33.49	34.53	Average	348	100	VERTICAL
6	5383.86	59.22	74.00	-14.78	55.75	4.49	33.51	34.53	Peak	348	100	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5293.59	102.82			95.66	6.37	34.32	33.53	Average	353	101	VERTICAL
2	5293.59	115.57			108.41	6.37	34.32	33.53	Peak	353	101	VERTICAL
3	5373.40	53.54	54.00	-0.46	46.13	6.50	34.41	33.50	Average	353	101	VERTICAL
4	5383.01	65.46	74.00	-8.54	58.01	6.50	34.44	33.49	Peak	353	101	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5313.27	102.14			94.92	6.40	34.34	33.52	Average	35	123	VERTICAL
2	5322.56	114.89			107.64	6.43	34.34	33.52	Peak	35	123	VERTICAL
3	5350.64	67.25	74.00	-6.75	59.90	6.47	34.39	33.51	Peak	35	123	VERTICAL
4	5393.27	53.68	54.00	-0.32	46.23	6.50	34.44	33.49	Average	35	123	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 100, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 25, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5426.41	53.78	54.00	-0.22	46.22	6.56	34.48	33.48	54	123	Average	VERTICAL
2	5426.67	64.74	74.00	-9.26	57.18	6.56	34.48	33.48	54	123	Peak	VERTICAL
3	5470.00	50.95	54.00	-3.05	43.26	6.60	34.55	33.46	54	123	Average	VERTICAL
4	5470.00	66.97	74.00	-7.03	59.28	6.60	34.55	33.46	54	123	Peak	VERTICAL
5	5499.36	114.56	---	---	106.78	6.63	34.60	33.45	54	123	Peak	VERTICAL
6	5502.24	102.12	---	---	94.32	6.65	34.60	33.45	54	123	Average	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5696.80	113.07	---	---	104.96	6.81	34.68	33.38	9	123	Peak	VERTICAL
2	5702.24	100.85	---	---	92.74	6.81	34.68	33.38	9	123	Average	VERTICAL
3	5725.00	67.23	74.00	-6.77	59.08	6.83	34.69	33.37	9	123	Peak	VERTICAL
4	5782.37	53.66	54.00	-0.34	45.40	6.90	34.71	33.35	9	123	Average	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5662.61	67.26	68.20	-0.94	62.98	4.67	34.17	34.56	Peak	350	114 VERTICAL
2	5725.00	78.11	78.20	-0.09	73.60	4.72	34.37	34.58	Peak	350	114 VERTICAL
3	5746.74	115.66			111.09	4.73	34.42	34.58	Peak	350	114 VERTICAL
4	5747.03	105.21			100.64	4.73	34.42	34.58	Average	350	114 VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5706.32	68.08	68.20	-0.12	63.63	4.71	34.32	34.58	Peak	352	124 VERTICAL
2	5720.66	59.63	78.20	-18.57	55.12	4.72	34.37	34.58	Peak	352	124 VERTICAL
3	5786.16	116.89			112.14	4.76	34.58	34.59	Peak	352	124 VERTICAL
4	5787.03	104.88			100.13	4.76	34.58	34.59	Average	352	124 VERTICAL
5	5856.95	66.65	78.20	-11.55	61.65	4.81	34.79	34.60	Peak	352	124 VERTICAL
6	5862.89	67.08	68.20	-1.12	62.08	4.81	34.79	34.60	Peak	352	124 VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5826.45	118.24			113.37	4.79	34.68	34.60	Peak	351	100 VERTICAL
2	5827.03	106.13			101.26	4.79	34.68	34.60	Average	351	100 VERTICAL
3	5850.00	75.40	78.20	-2.80	70.47	4.80	34.73	34.60	Peak	351	100 VERTICAL
4	5903.13	68.11	68.20	-0.09	63.00	4.83	34.89	34.61	Peak	351	100 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014 / Nov. 25, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.08	53.55	54.00	-0.45	46.81	6.21	34.11	33.58	35	100	Average	VERTICAL
2	5148.08	67.47	74.00	-6.53	60.73	6.21	34.11	33.58	35	100	Peak	VERTICAL
3	5188.08	106.67			99.84	6.24	34.16	33.57	35	100	Peak	VERTICAL
4	5188.56	97.75			90.92	6.24	34.16	33.57	35	100	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5144.79	63.74	74.00	-10.26	60.79	4.34	33.14	34.53	Peak	22	100	VERTICAL
2	5144.79	53.77	54.00	-0.23	50.82	4.34	33.14	34.53	Average	22	100	VERTICAL
3	5235.21	112.22			109.09	4.39	33.27	34.53	Peak	22	100	VERTICAL
4	5235.21	103.31			100.18	4.39	33.27	34.53	Average	22	100	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014 / Nov. 25, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 54

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5265.22	113.87			110.65	4.42	33.33	34.53	Peak	25	100	VERTICAL
2	5265.66	104.41			101.19	4.42	33.33	34.53	Average	25	100	VERTICAL
3	5355.21	53.85	54.00	-0.15	50.45	4.47	33.46	34.53	Average	25	100	VERTICAL
4	5355.64	64.39	74.00	-9.61	60.99	4.47	33.46	34.53	Peak	25	100	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5313.37	100.54			93.32	6.40	34.34	33.52	Average	35	100	VERTICAL
2	5313.37	109.25			102.03	6.40	34.34	33.52	Peak	35	100	VERTICAL
3	5350.00	53.78	54.00	-0.22	46.43	6.47	34.39	33.51	Average	35	100	VERTICAL
4	5353.85	68.08	74.00	-5.92	60.72	6.47	34.39	33.50	Peak	35	100	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014 / Nov. 25, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	deg	cm
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5416.58	61.64	74.00	-12.36	58.08	4.52	33.57	34.53	Peak	346	100 VERTICAL
2	5416.58	50.86	54.00	-3.14	47.30	4.52	33.57	34.53	Average	346	100 VERTICAL
3	5466.53	53.94	54.00	-0.06	50.27	4.55	33.65	34.53	Average	346	100 VERTICAL
4	5467.40	70.24	74.00	-3.76	66.57	4.55	33.65	34.53	Peak	346	100 VERTICAL
5	5506.96	99.45			95.71	4.57	33.70	34.53	Average	346	100 VERTICAL
6	5516.95	109.49			105.69	4.58	33.75	34.53	Peak	346	100 VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	deg	cm	Remark
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5454.87	61.51	74.00	-12.49	53.85	6.60	34.53	33.47	338	100	Peak
2	5460.00	51.67	54.00	-2.33	44.01	6.60	34.53	33.47	338	100	Average
3	5465.51	53.52	54.00	-0.48	45.83	6.60	34.55	33.46	338	100	Average
4	5465.51	61.83	74.00	-12.17	54.14	6.60	34.55	33.46	338	100	Peak
5	5555.77	112.04			104.15	6.70	34.62	33.43	338	100	Peak
6	5560.26	103.45			95.56	6.70	34.62	33.43	338	100	Average
7	5725.00	47.13	54.00	-6.87	38.98	6.83	34.69	33.37	338	100	Average
8	5736.54	59.20	74.00	-14.80	51.01	6.86	34.70	33.37	338	100	Peak

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	deg	cm	Remark
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5666.64	103.05			94.98	6.79	34.67	33.39	319	100	Average
2	5667.12	112.47			104.40	6.79	34.67	33.39	319	100	Peak
3	5727.40	67.49	68.20	-0.71	59.34	6.83	34.69	33.37	319	100	Peak

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 151

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	Pol/Phase
1	5711.82	68.01	68.20	-0.19	63.56	4.71	34.32	34.58	350	100	VERTICAL
2	5722.40	73.86	78.20	-4.34	69.35	4.72	34.37	34.58	350	100	VERTICAL
3	5751.82	98.84			94.20	4.74	34.48	34.58	350	100	VERTICAL
4	5752.40	108.95			104.31	4.74	34.48	34.58	350	100	VERTICAL

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

Channel 159

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	Pol/Phase
1	5712.11	67.58	68.20	-0.62	63.13	4.71	34.32	34.58	353	100	VERTICAL
2	5722.11	68.41	78.20	-9.79	63.90	4.72	34.37	34.58	353	100	VERTICAL
3	5797.03	115.12			110.37	4.76	34.58	34.59	353	100	VERTICAL
4	5797.32	104.94			100.19	4.76	34.58	34.59	353	100	VERTICAL
5	5852.03	71.82	78.20	-6.38	66.89	4.80	34.73	34.60	353	100	VERTICAL
6	5861.74	67.93	68.20	-0.27	62.93	4.81	34.79	34.60	353	100	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5146.09	72.18	74.00	-1.82	69.23	4.34	33.14	34.53	Peak	350	114	VERTICAL
2	5150.00	53.90	54.00	-0.10	50.95	4.34	33.14	34.53	Average	350	114	VERTICAL
3	5186.53	95.04			92.02	4.36	33.19	34.53	Average	350	114	VERTICAL
4	5186.96	110.03			107.01	4.36	33.19	34.53	Peak	350	114	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5145.66	67.02	74.00	-6.98	64.07	4.34	33.14	34.53	Peak	338	118	VERTICAL
2	5146.09	53.93	54.00	-0.07	50.98	4.34	33.14	34.53	Average	338	118	VERTICAL
3	5226.53	115.26			112.13	4.39	33.27	34.53	Peak	338	118	VERTICAL
4	5226.53	100.31			97.18	4.39	33.27	34.53	Average	338	118	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014 / Nov. 25, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 54

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5135.24	58.91	74.00	-15.09	56.00	4.33	33.11	34.53	Peak	342	105	VERTICAL
2	5150.00	45.89	54.00	-8.11	42.94	4.34	33.14	34.53	Average	342	105	VERTICAL
3	5266.53	115.49			112.27	4.42	33.33	34.53	Peak	342	105	VERTICAL
4	5266.53	103.63			100.41	4.42	33.33	34.53	Average	342	105	VERTICAL
5	5355.64	65.86	74.00	-8.14	62.46	4.47	33.46	34.53	Peak	342	105	VERTICAL
6	5366.93	52.62	54.00	-1.38	49.18	4.48	33.49	34.53	Average	342	105	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5306.47	96.66			89.46	6.40	34.32	33.52	44	100	Average	VERTICAL
2	5316.73	109.00			101.78	6.40	34.34	33.52	44	100	Peak	VERTICAL
3	5350.96	53.87	54.00	-0.13	46.52	6.47	34.39	33.51	44	100	Average	VERTICAL
4	5350.96	70.25	74.00	-3.75	62.90	6.47	34.39	33.51	44	100	Peak	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014 / Nov. 25, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5426.14	49.36	54.00	-4.64	45.80	4.52	33.57	34.53	Average	335	100	VERTICAL
2	5459.13	62.36	74.00	-11.64	58.73	4.54	33.62	34.53	Peak	335	100	VERTICAL
3	5466.09	70.52	74.00	-3.48	66.85	4.55	33.65	34.53	Peak	335	100	VERTICAL
4	5470.00	53.89	54.00	-0.11	50.22	4.55	33.65	34.53	Average	335	100	VERTICAL
5	5505.66	109.75			106.01	4.57	33.70	34.53	Peak	335	100	VERTICAL
6	5506.53	97.58			93.84	4.57	33.70	34.53	Average	335	100	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5456.53	65.05	74.00	-8.95	61.42	4.54	33.62	34.53	Peak	338	132	VERTICAL
2	5457.11	51.55	54.00	-2.45	47.92	4.54	33.62	34.53	Average	338	132	VERTICAL
3	5466.53	53.74	54.00	-0.26	50.07	4.55	33.65	34.53	Average	338	132	VERTICAL
4	5467.11	65.48	74.00	-8.52	61.81	4.55	33.65	34.53	Peak	338	132	VERTICAL
5	5546.53	114.59			110.74	4.59	33.80	34.54	Peak	338	132	VERTICAL
6	5546.53	102.54			98.69	4.59	33.80	34.54	Average	338	132	VERTICAL
7	5725.00	47.05	54.00	-6.95	42.54	4.72	34.37	34.58	Average	338	132	VERTICAL
8	5734.84	60.44	74.00	-13.56	55.87	4.73	34.42	34.58	Peak	338	132	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5666.64	102.05			93.98	6.79	34.67	33.39	315	100	Average	VERTICAL
2	5666.64	112.11			104.04	6.79	34.67	33.39	315	100	Peak	VERTICAL
3	5725.96	73.48	74.00	-0.52	65.33	6.83	34.69	33.37	315	100	Peak	VERTICAL
4	5736.54	52.07	54.00	-1.93	43.88	6.86	34.70	33.37	315	100	Average	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 151

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5710.37	67.92	68.20	-0.28	63.47	4.71	34.32	34.58	Peak	342	104	VERTICAL
2	5722.40	75.99	78.20	-2.21	71.48	4.72	34.37	34.58	Peak	342	104	VERTICAL
3	5751.53	109.59			104.95	4.74	34.48	34.58	Peak	342	104	VERTICAL
4	5751.53	97.72			93.08	4.74	34.48	34.58	Average	342	104	VERTICAL

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

Channel 159

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5711.24	67.33	68.20	-0.87	62.88	4.71	34.32	34.58	Peak	349	120	VERTICAL
2	5722.11	70.11	78.20	-8.09	65.60	4.72	34.37	34.58	Peak	349	120	VERTICAL
3	5791.53	102.48			97.73	4.76	34.58	34.59	Average	349	120	VERTICAL
4	5792.11	114.29			109.54	4.76	34.58	34.59	Peak	349	120	VERTICAL
5	5850.87	74.78	78.20	-3.42	69.85	4.80	34.73	34.60	Peak	349	120	VERTICAL
6	5861.74	67.82	68.20	-0.38	62.82	4.81	34.79	34.60	Peak	349	120	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58, 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014 / Nov. 25, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	5148.72	53.75	54.00	-0.25	47.01	6.21	34.11	33.58	37	100	Average	VERTICAL
2	5148.72	68.30	74.00	-5.70	61.56	6.21	34.11	33.58	37	100	Peak	VERTICAL
3	5218.97	94.40			87.49	6.27	34.20	33.56	37	100	Average	VERTICAL
4	5222.18	102.57			95.62	6.30	34.20	33.55	37	100	Peak	VERTICAL
5	5350.00	46.14	54.00	-7.86	38.79	6.47	34.39	33.51	37	100	Average	VERTICAL
6	5394.23	58.37	74.00	-15.63	50.92	6.50	34.44	33.49	37	100	Peak	VERTICAL

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

Channel 58

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		deg	cm	
1	5147.11	57.16	74.00	-16.84	54.21	4.34	33.14	34.53	Peak	27	100	VERTICAL
2	5148.84	44.40	74.00	-29.60	41.45	4.34	33.14	34.53	Peak	27	100	VERTICAL
3	5300.42	95.15			91.86	4.44	33.38	34.53	Average	27	100	VERTICAL
4	5301.00	105.31			102.02	4.44	33.38	34.53	Peak	27	100	VERTICAL
5	5350.00	53.94	54.00	-0.06	50.54	4.47	33.46	34.53	Average	27	100	VERTICAL
6	5350.58	68.67	74.00	-5.33	65.27	4.47	33.46	34.53	Peak	27	100	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		deg	cm	
1	5456.38	67.73	74.00	-6.27	64.10	4.54	33.62	34.53	Peak	352	100	VERTICAL
2	5457.11	53.30	54.00	-0.70	49.67	4.54	33.62	34.53	Average	352	100	VERTICAL
3	5461.32	68.06	68.20	-0.14	64.43	4.54	33.62	34.53	Peak	352	100	VERTICAL
4	5516.98	104.53			100.73	4.58	33.75	34.53	Peak	352	100	VERTICAL
5	5516.98	93.69			89.89	4.58	33.75	34.53	Average	352	100	VERTICAL
6	5745.98	59.22	68.20	-8.98	54.65	4.73	34.42	34.58	Peak	352	100	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH, 122, 138, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014 / Nov. 18, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5603.41	96.57			91.73	6.27	35.45	34.02	VERTICAL	240	100	Average
2	5603.41	104.61			99.77	6.27	35.45	34.02	VERTICAL	240	100	Peak
3	5727.40	48.63	54.00	-5.37	43.44	6.35	35.34	34.18	VERTICAL	240	100	Average
4	5727.40	60.01	74.00	-13.99	54.82	6.35	35.34	34.18	VERTICAL	240	100	Peak

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

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5696.95	113.67			109.27	4.70	34.27	34.57	Peak	345	105	VERTICAL
2	5696.95	102.53			98.13	4.70	34.27	34.57	Average	345	105	VERTICAL
3	5852.32	47.89	54.00	-6.11	42.96	4.80	34.73	34.60	Average	345	105	VERTICAL
4	5852.89	59.97	74.00	-14.03	55.04	4.80	34.73	34.60	Peak	345	105	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5697.63	68.12	68.20	-0.08	63.72	4.70	34.27	34.57	Peak	350	100	VERTICAL
2	5722.11	71.14	78.20	-7.06	66.63	4.72	34.37	34.58	Peak	350	100	VERTICAL
3	5761.98	104.93			100.29	4.74	34.48	34.58	Peak	350	100	VERTICAL
4	5761.98	94.37			89.73	4.74	34.48	34.58	Average	350	100	VERTICAL
5	5852.17	64.91	78.20	-13.29	59.98	4.80	34.73	34.60	Peak	350	100	VERTICAL
6	5862.17	65.51	68.20	-2.69	60.51	4.81	34.79	34.60	Peak	350	100	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 42, 58, 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014 / Nov. 18, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5137.26	71.29	74.00	-2.71	68.38	4.33	33.11	34.53	Peak	348	150	VERTICAL
2	5147.68	53.98	54.00	-0.02	51.03	4.34	33.14	34.53	Average	348	150	VERTICAL
3	5206.53	90.98			87.92	4.37	33.22	34.53	Average	348	150	VERTICAL
4	5207.68	104.99			101.89	4.38	33.25	34.53	Peak	348	150	VERTICAL
5	5358.10	45.20	54.00	-8.80	41.80	4.47	33.46	34.53	Average	348	150	VERTICAL
6	5379.52	58.26	74.00	-15.74	54.79	4.49	33.51	34.53	Peak	348	150	VERTICAL

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

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5133.79	57.64	74.00	-16.36	54.73	4.33	33.11	34.53	Peak	337	109	VERTICAL
2	5148.26	45.01	54.00	-8.99	42.06	4.34	33.14	34.53	Average	337	109	VERTICAL
3	5286.53	91.92			88.67	4.43	33.35	34.53	Average	337	109	VERTICAL
4	5295.79	106.22			102.93	4.44	33.38	34.53	Peak	337	109	VERTICAL
5	5351.74	70.75	74.00	-3.25	67.35	4.47	33.46	34.53	Peak	337	109	VERTICAL
6	5356.37	53.80	54.00	-0.20	50.40	4.47	33.46	34.53	Average	337	109	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5442.37	67.11	74.00	-6.89	59.51	6.56	34.51	33.47	354	100	Peak	VERTICAL
2	5443.97	53.77	54.00	-0.23	46.17	6.56	34.51	33.47	354	100	Average	VERTICAL
3	5463.59	67.02	74.00	-6.98	59.33	6.60	34.55	33.46	354	100	Peak	VERTICAL
4	5470.00	53.21	54.00	-0.79	45.52	6.60	34.55	33.46	354	100	Average	VERTICAL
5	5534.01	91.59			83.74	6.68	34.61	33.44	354	100	Average	VERTICAL
6	5543.62	102.04			94.19	6.68	34.61	33.44	354	100	Peak	VERTICAL
7	5725.00	48.89	54.00	-5.11	40.74	6.83	34.69	33.37	354	100	Average	VERTICAL
8	5745.83	60.61	74.00	-13.39	52.42	6.86	34.70	33.37	354	100	Peak	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH, 122, 138, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014 / Nov. 26, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Channel 122

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	deg	cm	
1	5603.11	105.07			100.23	6.27	35.45	34.02	VERTICAL	240	100 Peak
2	5613.60	91.49			86.61	6.28	35.44	34.04	VERTICAL	240	100 Average
3	5725.00	47.82	54.00	-6.18	42.63	6.35	35.34	34.18	VERTICAL	240	100 Average
4	5727.70	59.90	74.00	-14.10	54.71	6.35	35.34	34.18	VERTICAL	240	100 Peak

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

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5686.15	109.97			101.87	6.81	34.68	33.39	5	101	Peak	VERTICAL
2	5686.80	95.84			87.74	6.81	34.68	33.39	5	101	Average	VERTICAL
3	5850.64	49.02	54.00	-4.98	40.66	6.95	34.74	33.33	5	101	Average	VERTICAL
4	5858.97	61.58	74.00	-12.42	53.20	6.97	34.74	33.33	5	101	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5702.70	68.04	68.20	-0.16	63.58	4.71	34.32	34.57	Peak	351	100	VERTICAL
2	5722.11	71.33	78.20	-6.87	66.82	4.72	34.37	34.58	Peak	351	100	VERTICAL
3	5762.70	90.19			85.55	4.74	34.48	34.58	Average	351	100	VERTICAL
4	5764.87	105.35			100.71	4.74	34.48	34.58	Peak	351	100	VERTICAL
5	5852.17	65.00	78.20	-13.20	60.07	4.80	34.73	34.60	Peak	351	100	VERTICAL
6	5863.62	65.86	68.20	-2.34	60.86	4.81	34.79	34.60	Peak	351	100	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 11, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5100.96	53.85	54.00	-0.15	49.04	6.10	33.91	35.20	Average	183	139 VERTICAL
2	5101.92	63.65	74.00	-10.35	58.84	6.10	33.91	35.20	Peak	183	139 VERTICAL
3	5181.28	103.23			98.20	6.15	34.08	35.20	Average	183	139 VERTICAL
4	5181.28	113.48			108.45	6.15	34.08	35.20	Peak	183	139 VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5120.83	53.86	54.00	-0.14	49.01	6.11	33.94	35.20	Average	192	134 VERTICAL
2	5120.83	64.57	74.00	-9.43	59.72	6.11	33.94	35.20	Peak	192	134 VERTICAL
3	5201.28	113.68			108.61	6.16	34.11	35.20	Peak	192	134 VERTICAL
4	5201.60	103.30			98.23	6.16	34.11	35.20	Average	192	134 VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5121.64	47.75	54.00	-6.25	42.90	6.11	33.94	35.20	Average	180	133 VERTICAL
2	5123.08	59.57	74.00	-14.43	54.71	6.12	33.94	35.20	Peak	180	133 VERTICAL
3	5241.44	111.73			106.57	6.18	34.18	35.20	Average	180	133 VERTICAL
4	5241.92	121.98			116.80	6.20	34.18	35.20	Peak	180	133 VERTICAL
5	5352.89	59.46	74.00	-14.54	53.98	6.26	34.42	35.20	Peak	180	133 VERTICAL
6	5361.54	47.53	54.00	-6.47	42.04	6.27	34.42	35.20	Average	180	133 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 11, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5128.85	58.68	74.00	-15.32	53.78	6.12	33.98	35.20	Peak	210	237 VERTICAL
2	5144.23	46.63	54.00	-7.37	41.69	6.13	34.01	35.20	Average	210	237 VERTICAL
3	5254.23	108.92			103.70	6.20	34.22	35.20	Average	210	237 VERTICAL
4	5263.37	119.89			114.63	6.21	34.25	35.20	Peak	210	237 VERTICAL
5	5365.87	58.73	74.00	-15.27	53.20	6.27	34.46	35.20	Peak	210	237 VERTICAL
6	5384.62	46.09	54.00	-7.91	40.52	6.28	34.49	35.20	Average	210	237 VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5294.23	104.22			98.90	6.23	34.29	35.20	Average	202	235 VERTICAL
2	5294.23	114.79			109.47	6.23	34.29	35.20	Peak	202	235 VERTICAL
3	5383.97	64.82	74.00	-9.18	59.25	6.28	34.49	35.20	Peak	202	235 VERTICAL
4	5384.62	53.79	54.00	-0.21	48.22	6.28	34.49	35.20	Average	202	235 VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5314.23	103.79			98.39	6.24	34.36	35.20	Average	209	234 VERTICAL
2	5314.55	113.93			108.53	6.24	34.36	35.20	Peak	209	234 VERTICAL
3	5394.23	53.76	54.00	-0.24	48.19	6.28	34.49	35.20	Average	209	234 VERTICAL
4	5394.55	63.97	74.00	-10.03	58.39	6.29	34.49	35.20	Peak	209	234 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 100, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 11, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 100

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5416.73	53.97	54.00	-0.03	48.30	6.31	34.56	35.20	Average	193	285	VERTICAL
2	5417.37	64.92	74.00	-9.08	59.25	6.31	34.56	35.20	Peak	193	285	VERTICAL
3	5466.80	59.51	74.00	-14.49	53.74	6.34	34.63	35.20	Peak	193	285	VERTICAL
4	5467.44	46.16	54.00	-7.84	40.35	6.34	34.67	35.20	Average	193	285	VERTICAL
5	5497.12	103.24			97.38	6.36	34.70	35.20	Average	193	285	VERTICAL
6	5497.44	114.28			108.42	6.36	34.70	35.20	Peak	193	285	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5706.41	107.28			101.17	6.44	34.87	35.20	Average	175	146	VERTICAL
2	5706.41	116.42			110.31	6.44	34.87	35.20	Peak	175	146	VERTICAL
3	5776.60	67.90	68.20	-0.30	61.71	6.46	34.93	35.20	Peak	175	146	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 11, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 149

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5662.44	67.59	68.20	-0.61	61.54	6.42	34.83	35.20	Peak	183	253 VERTICAL
2	5722.12	77.26	78.20	-0.94	71.14	6.45	34.87	35.20	Peak	183	253 VERTICAL
3	5742.12	105.74			99.59	6.45	34.90	35.20	Average	183	253 VERTICAL
4	5742.12	116.30			110.15	6.45	34.90	35.20	Peak	183	253 VERTICAL

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

Channel 157

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5708.01	68.03	68.20	-0.17	61.92	6.44	34.87	35.20	Peak	172	131 VERTICAL
2	5717.95	60.49	78.20	-17.71	54.37	6.45	34.87	35.20	Peak	172	131 VERTICAL
3	5778.27	105.21			99.02	6.46	34.93	35.20	Average	172	131 VERTICAL
4	5778.59	115.96			109.77	6.46	34.93	35.20	Peak	172	131 VERTICAL
5	5850.64	57.78	78.20	-20.42	51.51	6.49	34.98	35.20	Peak	172	131 VERTICAL
6	5869.62	66.00	68.20	-2.20	59.71	6.50	34.99	35.20	Peak	172	131 VERTICAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5827.24	106.49			100.24	6.48	34.97	35.20	Average	181	242 VERTICAL
2	5827.24	117.12			110.87	6.48	34.97	35.20	Peak	181	242 VERTICAL
3	5850.96	66.84	78.20	-11.36	60.57	6.49	34.98	35.20	Peak	181	242 VERTICAL
4	5907.12	67.85	68.20	-0.35	61.51	6.52	35.02	35.20	Peak	181	242 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 11, 2014 / Nov. 12, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	5098.40	53.85	54.00	-0.15	49.04	6.10	33.91	35.20	Average	187	8	VERTICAL
2	5098.72	64.25	74.00	-9.75	59.44	6.10	33.91	35.20	Peak	187	8	VERTICAL
3	5178.72	113.74			108.71	6.15	34.08	35.20	Peak	187	8	VERTICAL
4	5183.53	101.96			96.93	6.15	34.08	35.20	Average	187	8	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	5118.27	53.30	54.00	-0.70	48.45	6.11	33.94	35.20	Average	190	8	VERTICAL
2	5123.40	64.29	74.00	-9.71	59.43	6.12	33.94	35.20	Peak	190	8	VERTICAL
3	5198.72	102.48			97.41	6.16	34.11	35.20	Average	190	8	VERTICAL
4	5198.72	113.63			108.56	6.16	34.11	35.20	Peak	190	8	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	4998.08	48.28	54.00	-5.72	43.75	6.03	33.70	35.20	Average	187	3	VERTICAL
2	5003.85	60.68	74.00	-13.32	56.14	6.04	33.70	35.20	Peak	187	3	VERTICAL
3	5238.08	111.51			106.35	6.18	34.18	35.20	Average	187	3	VERTICAL
4	5239.04	120.59			115.43	6.18	34.18	35.20	Peak	187	3	VERTICAL
5	5358.65	59.42	74.00	-14.58	53.94	6.26	34.42	35.20	Peak	187	3	VERTICAL
6	5359.62	47.62	54.00	-6.38	42.14	6.26	34.42	35.20	Average	187	3	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 12, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5657.50	66.17	68.20	-2.03	60.12	6.42	34.83	35.20	Peak	182	133	VERTICAL
2	5723.37	78.00	78.20	-0.20	71.86	6.45	34.89	35.20	Peak	182	133	VERTICAL
3	5743.08	104.33			98.18	6.45	34.90	35.20	Average	182	133	VERTICAL
4	5747.89	114.42			108.27	6.45	34.90	35.20	Peak	182	133	VERTICAL
5	5850.00	58.45	78.20	-19.75	52.18	6.49	34.98	35.20	Peak	182	133	VERTICAL
6	5880.10	58.98	68.20	-9.22	52.67	6.50	35.01	35.20	Peak	182	133	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5702.50	67.43	68.20	-0.77	61.33	6.44	34.86	35.20	Peak	175	138	VERTICAL
2	5721.15	58.89	78.20	-19.31	52.77	6.45	34.87	35.20	Peak	175	138	VERTICAL
3	5777.31	106.60			100.41	6.46	34.93	35.20	Average	175	138	VERTICAL
4	5777.31	116.30			110.11	6.46	34.93	35.20	Peak	175	138	VERTICAL
5	5857.69	66.94	78.20	-11.26	60.66	6.50	34.98	35.20	Peak	175	138	VERTICAL
6	5862.89	66.90	68.20	-1.30	60.61	6.50	34.99	35.20	Peak	175	138	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5823.56	109.12			102.89	6.48	34.95	35.20	Average	180	128	VERTICAL
2	5823.56	119.07			112.84	6.48	34.95	35.20	Peak	180	128	VERTICAL
3	5850.00	77.04	78.20	-1.16	70.77	6.49	34.98	35.20	Peak	180	128	VERTICAL
4	5899.52	67.54	68.20	-0.66	61.21	6.51	35.02	35.20	Peak	180	128	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 12, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5411.92	53.95	54.00	-0.05	48.31	6.31	34.53	35.20	Average	192	287	VERTICAL
2	5412.24	65.02	74.00	-8.98	59.38	6.31	34.53	35.20	Peak	192	287	VERTICAL
3	5467.44	46.29	54.00	-7.71	40.48	6.34	34.67	35.20	Average	192	287	VERTICAL
4	5467.44	60.82	74.00	-13.18	55.01	6.34	34.67	35.20	Peak	192	287	VERTICAL
5	5497.12	102.40			96.54	6.36	34.70	35.20	Average	192	287	VERTICAL
6	5501.60	113.51			107.64	6.36	34.71	35.20	Peak	192	287	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5701.92	104.95			98.85	6.44	34.86	35.20	Average	180	24	VERTICAL
2	5702.56	116.24			110.14	6.44	34.86	35.20	Peak	180	24	VERTICAL
3	5772.76	67.35	68.20	-0.85	61.18	6.46	34.91	35.20	Peak	180	24	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 12, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 149

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5657.50	66.17	68.20	-2.03	60.12	6.42	34.83	35.20	Peak	182	133	VERTICAL
2	5723.37	78.00	78.20	-0.20	71.86	6.45	34.89	35.20	Peak	182	133	VERTICAL
3	5743.08	104.33			98.18	6.45	34.90	35.20	Average	182	133	VERTICAL
4	5747.89	114.42			108.27	6.45	34.90	35.20	Peak	182	133	VERTICAL
5	5850.00	58.45	78.20	-19.75	52.18	6.49	34.98	35.20	Peak	182	133	VERTICAL
6	5880.10	58.98	68.20	-9.22	52.67	6.50	35.01	35.20	Peak	182	133	VERTICAL

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

Channel 157

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5702.50	67.43	68.20	-0.77	61.33	6.44	34.86	35.20	Peak	175	138	VERTICAL
2	5721.15	58.89	78.20	-19.31	52.77	6.45	34.87	35.20	Peak	175	138	VERTICAL
3	5777.31	106.60			100.41	6.46	34.93	35.20	Average	175	138	VERTICAL
4	5777.31	116.30			110.11	6.46	34.93	35.20	Peak	175	138	VERTICAL
5	5857.69	66.94	78.20	-11.26	60.66	6.50	34.98	35.20	Peak	175	138	VERTICAL
6	5862.89	66.90	68.20	-1.30	60.61	6.50	34.99	35.20	Peak	175	138	VERTICAL

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

Channel 165

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5823.56	109.12			102.89	6.48	34.95	35.20	Average	180	128	VERTICAL
2	5823.56	119.07			112.84	6.48	34.95	35.20	Peak	180	128	VERTICAL
3	5850.00	77.04	78.20	-1.16	70.77	6.49	34.98	35.20	Peak	180	128	VERTICAL
4	5899.52	67.54	68.20	-0.66	61.21	6.51	35.02	35.20	Peak	180	128	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 13, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5101.47	65.46	74.00	-8.54	60.65	6.10	33.91	35.20	Peak	185	307 VERTICAL
2	5102.12	53.97	54.00	-0.03	49.16	6.10	33.91	35.20	Average	185	307 VERTICAL
3	5180.96	114.09			109.06	6.15	34.08	35.20	Peak	185	307 VERTICAL
4	5186.41	103.24			98.21	6.15	34.08	35.20	Average	185	307 VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5113.14	65.20	74.00	-8.80	60.35	6.11	33.94	35.20	Peak	185	190 VERTICAL
2	5113.46	53.99	54.00	-0.01	49.14	6.11	33.94	35.20	Average	185	190 VERTICAL
3	5193.27	103.90			98.86	6.16	34.08	35.20	Average	185	190 VERTICAL
4	5203.85	114.20			109.13	6.16	34.11	35.20	Peak	185	190 VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5127.40	59.42	74.00	-14.58	54.52	6.12	33.98	35.20	Peak	172	80 VERTICAL
2	5127.98	47.44	54.00	-6.56	42.54	6.12	33.98	35.20	Average	172	80 VERTICAL
3	5242.40	109.00			103.82	6.20	34.18	35.20	Average	172	80 VERTICAL
4	5247.69	118.97			113.75	6.20	34.22	35.20	Peak	172	80 VERTICAL
5	5351.44	59.16	74.00	-14.84	53.68	6.26	34.42	35.20	Peak	172	80 VERTICAL
6	5355.29	46.80	54.00	-7.20	41.32	6.26	34.42	35.20	Average	172	80 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 13, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5141.83	48.28	54.00	-5.72	43.37	6.13	33.98	35.20	Average	184	318 VERTICAL
2	5143.27	60.28	74.00	-13.72	55.37	6.13	33.98	35.20	Peak	184	318 VERTICAL
3	5257.60	109.44			104.22	6.20	34.22	35.20	Average	184	318 VERTICAL
4	5261.44	119.87			114.64	6.21	34.22	35.20	Peak	184	318 VERTICAL
5	5350.00	47.83	54.00	-6.17	42.35	6.26	34.42	35.20	Average	184	318 VERTICAL
6	5350.00	60.45	74.00	-13.55	54.97	6.26	34.42	35.20	Peak	184	318 VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5297.76	104.77			99.42	6.23	34.32	35.20	Average	190	255 VERTICAL
2	5302.56	114.21			108.86	6.23	34.32	35.20	Peak	190	255 VERTICAL
3	5377.89	53.81	54.00	-0.19	48.27	6.28	34.46	35.20	Average	190	255 VERTICAL
4	5383.01	65.60	74.00	-8.40	60.03	6.28	34.49	35.20	Peak	190	255 VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5317.76	102.45			97.05	6.24	34.36	35.20	Average	177	115 VERTICAL
2	5317.76	114.05			108.65	6.24	34.36	35.20	Peak	177	115 VERTICAL
3	5401.73	64.35	74.00	-9.65	58.73	6.29	34.53	35.20	Peak	177	115 VERTICAL
4	5402.37	53.81	54.00	-0.19	48.19	6.29	34.53	35.20	Average	177	115 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 100, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 13, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 100

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5413.46	53.71	54.00	-0.29	48.07	6.31	34.53	35.20	Average	179	313	VERTICAL
2	5421.80	65.37	74.00	-8.63	59.70	6.31	34.56	35.20	Peak	179	313	VERTICAL
3	5467.12	59.44	74.00	-14.56	53.63	6.34	34.67	35.20	Peak	179	313	VERTICAL
4	5470.00	46.43	54.00	-7.57	40.62	6.34	34.67	35.20	Average	179	313	VERTICAL
5	5497.76	102.69			96.83	6.36	34.70	35.20	Average	179	313	VERTICAL
6	5502.24	113.24			107.37	6.36	34.71	35.20	Peak	179	313	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5706.73	104.61			98.50	6.44	34.87	35.20	Average	185	72	VERTICAL
2	5707.05	114.77			108.66	6.44	34.87	35.20	Peak	185	72	VERTICAL
3	5725.00	68.02	68.20	-0.18	61.88	6.45	34.89	35.20	Peak	185	72	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 13, 2014 / Nov. 14, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 149

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	
1	5666.47	65.81	68.20	-2.39	59.76	6.42	34.83	35.20	Peak	172	76	VERTICAL
2	5723.72	78.14	78.20	-0.06	72.00	6.45	34.89	35.20	Peak	172	76	VERTICAL
3	5751.41	104.77			98.62	6.45	34.90	35.20	Average	172	76	VERTICAL
4	5751.41	115.41			109.26	6.45	34.90	35.20	Peak	172	76	VERTICAL

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

Channel 157

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	
1	5707.44	67.98	68.20	-0.22	61.87	6.44	34.87	35.20	Peak	191	63	VERTICAL
2	5724.04	58.04	78.20	-20.16	51.90	6.45	34.89	35.20	Peak	191	63	VERTICAL
3	5778.27	106.20			100.01	6.46	34.93	35.20	Average	191	63	VERTICAL
4	5783.08	116.67			110.48	6.46	34.93	35.20	Peak	191	63	VERTICAL
5	5850.00	59.47	78.20	-18.73	53.20	6.49	34.98	35.20	Peak	191	63	VERTICAL
6	5867.69	67.10	68.20	-1.10	60.81	6.50	34.99	35.20	Peak	191	63	VERTICAL

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

Channel 165

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	
1	5823.08	106.37			100.14	6.48	34.95	35.20	Average	185	62	VERTICAL
2	5827.24	116.64			110.39	6.48	34.97	35.20	Peak	185	62	VERTICAL
3	5850.00	73.16	78.20	-5.04	66.89	6.49	34.98	35.20	Peak	185	62	VERTICAL
4	5907.05	67.96	68.20	-0.24	61.62	6.52	35.02	35.20	Peak	185	62	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 12, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna 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	53.87	54.00	-0.13	48.93	6.13	34.01	35.20	Average	169	151	VERTICAL
2	5149.04	70.08	74.00	-3.92	65.14	6.13	34.01	35.20	Peak	169	151	VERTICAL
3	5193.85	100.56			95.52	6.16	34.08	35.20	Average	169	151	VERTICAL
4	5194.49	110.59			105.52	6.16	34.11	35.20	Peak	169	151	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna 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	53.90	54.00	-0.10	48.96	6.13	34.01	35.20	Average	188	207	VERTICAL
2	5147.60	63.88	74.00	-10.12	58.94	6.13	34.01	35.20	Peak	188	207	VERTICAL
3	5232.40	114.51			109.35	6.18	34.18	35.20	Peak	188	207	VERTICAL
4	5232.89	104.95			99.79	6.18	34.18	35.20	Average	188	207	VERTICAL
5	5350.00	45.80	54.00	-8.20	40.32	6.26	34.42	35.20	Average	188	207	VERTICAL
6	5365.87	58.63	74.00	-15.37	53.10	6.27	34.46	35.20	Peak	188	207	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 12, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5146.64	58.20	74.00	-15.80	53.26	6.13	34.01	35.20	Peak	188	156 VERTICAL
2	5149.52	46.73	54.00	-7.27	41.79	6.13	34.01	35.20	Average	188	156 VERTICAL
3	5263.75	106.27			101.01	6.21	34.25	35.20	Average	188	156 VERTICAL
4	5263.75	116.27			111.01	6.21	34.25	35.20	Peak	188	156 VERTICAL
5	5353.85	64.19	74.00	-9.81	58.71	6.26	34.42	35.20	Peak	188	156 VERTICAL
6	5354.33	53.59	54.00	-0.41	48.11	6.26	34.42	35.20	Average	188	156 VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5305.67	100.68			95.33	6.23	34.32	35.20	Average	178	263 VERTICAL
2	5305.67	109.54			104.19	6.23	34.32	35.20	Peak	178	263 VERTICAL
3	5350.48	53.59	54.00	-0.41	48.11	6.26	34.42	35.20	Average	178	263 VERTICAL
4	5350.48	70.04	74.00	-3.96	64.56	6.26	34.42	35.20	Peak	178	263 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 13, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 102

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5416.25	62.31	74.00	-11.69	56.64	6.31	34.56	35.20	Peak	184	298	VERTICAL
2	5436.44	50.30	54.00	-3.70	44.58	6.32	34.60	35.20	Average	184	298	VERTICAL
3	5467.12	53.90	54.00	-0.10	48.09	6.34	34.67	35.20	Average	184	298	VERTICAL
4	5467.21	68.03	74.00	-5.97	62.22	6.34	34.67	35.20	Peak	184	298	VERTICAL
5	5506.64	99.47			93.60	6.36	34.71	35.20	Average	184	298	VERTICAL
6	5506.64	109.51			103.64	6.36	34.71	35.20	Peak	184	298	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5456.73	53.86	54.00	-0.14	48.10	6.33	34.63	35.20	Average	183	302	VERTICAL
2	5456.73	63.89	74.00	-10.11	58.13	6.33	34.63	35.20	Peak	183	302	VERTICAL
3	5466.15	53.65	54.00	-0.35	47.88	6.34	34.63	35.20	Average	183	302	VERTICAL
4	5466.64	65.11	74.00	-8.89	59.34	6.34	34.63	35.20	Peak	183	302	VERTICAL
5	5562.02	104.84			98.91	6.38	34.75	35.20	Average	183	302	VERTICAL
6	5562.02	115.02			109.09	6.38	34.75	35.20	Peak	183	302	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5665.19	105.17			99.12	6.42	34.83	35.20	Average	175	134	VERTICAL
2	5665.19	115.49			109.44	6.42	34.83	35.20	Peak	175	134	VERTICAL
3	5726.89	67.98	68.20	-0.22	61.84	6.45	34.89	35.20	Peak	175	134	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 13, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.05	68.15	68.20	-0.05	62.04	6.44	34.87	35.20	Peak	157	161	VERTICAL
2	5721.67	73.72	78.20	-4.48	67.60	6.45	34.87	35.20	Peak	157	161	VERTICAL
3	5751.47	99.00			92.85	6.45	34.90	35.20	Average	157	161	VERTICAL
4	5751.80	108.92			102.76	6.46	34.90	35.20	Peak	157	161	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5707.50	67.83	68.20	-0.37	61.72	6.44	34.87	35.20	Peak	175	294	VERTICAL
2	5722.40	69.76	78.20	-8.44	63.64	6.45	34.87	35.20	Peak	175	294	VERTICAL
3	5777.69	106.45			100.26	6.46	34.93	35.20	Average	175	294	VERTICAL
4	5777.69	116.56			110.37	6.46	34.93	35.20	Peak	175	294	VERTICAL
5	5851.73	73.45	78.20	-4.75	67.18	6.49	34.98	35.20	Peak	175	294	VERTICAL
6	5862.31	68.05	68.20	-0.15	61.76	6.50	34.99	35.20	Peak	175	294	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	5142.56	67.82	74.00	-6.18	62.91	6.13	33.98	35.20	Peak	185	311	VERTICAL
2	5149.62	53.73	54.00	-0.27	48.79	6.13	34.01	35.20	Average	185	311	VERTICAL
3	5187.12	110.32			105.29	6.15	34.08	35.20	Peak	185	311	VERTICAL
4	5193.21	97.98			92.94	6.16	34.08	35.20	Average	185	311	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	5133.21	53.77	54.00	-0.23	48.87	6.12	33.98	35.20	Average	182	192	VERTICAL
2	5144.10	69.56	74.00	-4.44	64.62	6.13	34.01	35.20	Peak	182	192	VERTICAL
3	5233.53	104.51			99.35	6.18	34.18	35.20	Average	182	192	VERTICAL
4	5234.17	115.87			110.71	6.18	34.18	35.20	Peak	182	192	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5266.64	104.62			99.36	6.21	34.25	35.20 Average	179	14	VERTICAL
2	5266.64	115.95			110.69	6.21	34.25	35.20 Peak	179	14	VERTICAL
3	5357.02	66.17	74.00	-7.83	60.69	6.26	34.42	35.20 Peak	179	14	VERTICAL
4	5366.64	53.76	54.00	-0.24	48.23	6.27	34.46	35.20 Average	179	14	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5313.37	99.58			94.22	6.24	34.32	35.20 Average	176	59	VERTICAL
2	5313.85	111.37			105.97	6.24	34.36	35.20 Peak	176	59	VERTICAL
3	5350.00	53.74	54.00	-0.26	48.26	6.26	34.42	35.20 Average	176	59	VERTICAL
4	5350.87	70.73	74.00	-3.27	65.25	6.26	34.42	35.20 Peak	176	59	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5422.02	50.14	54.00	-3.86	44.47	6.31	34.56	35.20	Average	175	78	VERTICAL
2	5427.31	62.38	74.00	-11.62	56.71	6.31	34.56	35.20	Peak	175	78	VERTICAL
3	5465.67	68.94	74.00	-5.06	63.17	6.34	34.63	35.20	Peak	175	78	VERTICAL
4	5470.00	53.72	54.00	-0.28	47.91	6.34	34.67	35.20	Average	175	78	VERTICAL
5	5499.70	108.16			102.30	6.36	34.70	35.20	Peak	175	78	VERTICAL
6	5506.64	96.95			91.08	6.36	34.71	35.20	Average	175	78	VERTICAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5453.21	53.87	54.00	-0.13	48.11	6.33	34.63	35.20	Average	177	62	VERTICAL
2	5455.77	65.49	74.00	-8.51	59.73	6.33	34.63	35.20	Peak	177	62	VERTICAL
3	5463.59	53.19	54.00	-0.81	47.42	6.34	34.63	35.20	Average	177	62	VERTICAL
4	5464.23	68.73	74.00	-5.27	62.96	6.34	34.63	35.20	Peak	177	62	VERTICAL
5	5553.21	103.99			98.06	6.38	34.75	35.20	Average	177	62	VERTICAL
6	5555.77	114.65			108.72	6.38	34.75	35.20	Peak	177	62	VERTICAL
7	5725.00	46.23	54.00	-7.77	40.09	6.45	34.89	35.20	Average	177	62	VERTICAL
8	5738.46	59.60	74.00	-14.40	53.46	6.45	34.89	35.20	Peak	177	62	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5664.71	113.45			107.40	6.42	34.83	35.20	Peak	180	72 VERTICAL
2	5666.64	101.54			95.48	6.43	34.83	35.20	Average	180	72 VERTICAL
3	5728.17	69.31	74.00	-4.69	63.17	6.45	34.89	35.20	Peak	180	72 VERTICAL
4	5746.44	53.98	54.00	-0.02	47.83	6.45	34.90	35.20	Average	180	72 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	5708.91	67.91	68.20	-0.29	61.80	6.44	34.87	35.20	Peak	184	314	VERTICAL
2	5719.87	75.61	78.20	-2.59	69.49	6.45	34.87	35.20	Peak	184	314	VERTICAL
3	5749.23	109.62			103.47	6.45	34.90	35.20	Peak	184	314	VERTICAL
4	5758.53	97.85			91.68	6.46	34.91	35.20	Average	184	314	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	5711.80	67.31	68.20	-0.89	61.20	6.44	34.87	35.20	Peak	187	328	VERTICAL
2	5719.87	70.02	78.20	-8.18	63.90	6.45	34.87	35.20	Peak	187	328	VERTICAL
3	5791.47	103.93			97.72	6.47	34.94	35.20	Average	187	328	VERTICAL
4	5791.47	115.33			109.12	6.47	34.94	35.20	Peak	187	328	VERTICAL
5	5850.32	76.92	78.20	-1.28	70.65	6.49	34.98	35.20	Peak	187	328	VERTICAL
6	5860.32	67.96	68.20	-0.24	61.67	6.50	34.99	35.20	Peak	187	328	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58, 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 13, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.46	67.66	74.00	-6.34	62.72	6.13	34.01	35.20	Peak	186	147	VERTICAL
2	5148.94	53.96	54.00	-0.04	49.02	6.13	34.01	35.20	Average	186	147	VERTICAL
3	5198.46	95.48			90.41	6.16	34.11	35.20	Average	186	147	VERTICAL
4	5213.85	105.86			100.74	6.17	34.15	35.20	Peak	186	147	VERTICAL
5	5350.00	45.16	54.00	-8.84	39.68	6.26	34.42	35.20	Average	186	147	VERTICAL
6	5350.00	56.56	74.00	-17.44	51.08	6.26	34.42	35.20	Peak	186	147	VERTICAL

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

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.81	57.30	74.00	-16.70	52.36	6.13	34.01	35.20	Peak	184	152	VERTICAL
2	5150.00	45.34	54.00	-8.66	40.40	6.13	34.01	35.20	Average	184	152	VERTICAL
3	5263.56	107.19			101.93	6.21	34.25	35.20	Peak	184	152	VERTICAL
4	5264.04	97.00			91.74	6.21	34.25	35.20	Average	184	152	VERTICAL
5	5353.94	68.33	74.00	-5.67	62.85	6.26	34.42	35.20	Peak	184	152	VERTICAL
6	5354.42	53.77	54.00	-0.23	48.29	6.26	34.42	35.20	Average	184	152	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5458.53	53.11	54.00	-0.89	47.35	6.33	34.63	35.20	Average	184	37	VERTICAL
2	5458.53	67.06	74.00	-6.94	61.30	6.33	34.63	35.20	Peak	184	37	VERTICAL
3	5468.46	68.07	74.00	-5.93	62.26	6.34	34.67	35.20	Peak	184	37	VERTICAL
4	5469.10	53.78	54.00	-0.22	47.97	6.34	34.67	35.20	Average	184	37	VERTICAL
5	5558.53	95.56			89.63	6.38	34.75	35.20	Average	184	37	VERTICAL
6	5558.85	106.20			100.27	6.38	34.75	35.20	Peak	184	37	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH, 122, 138, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 13, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 122

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5452.79	65.58	74.00	-8.42	59.82	6.33	34.63	35.20	Peak	175	67	VERTICAL
2	5458.40	49.56	54.00	-4.44	43.80	6.33	34.63	35.20	Average	175	67	VERTICAL
3	5464.39	66.97	68.20	-1.23	61.20	6.34	34.63	35.20	Peak	175	67	VERTICAL
4	5622.82	113.07			107.05	6.41	34.81	35.20	Peak	175	67	VERTICAL
5	5638.85	102.85			96.82	6.41	34.82	35.20	Average	175	67	VERTICAL
6	5737.82	68.16	68.20	-0.04	62.02	6.45	34.89	35.20	Peak	175	67	VERTICAL

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

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5705.22	104.37			98.27	6.44	34.86	35.20	Average	186	46	VERTICAL
2	5705.22	114.43			108.33	6.44	34.86	35.20	Peak	186	46	VERTICAL
3	5850.00	49.10	54.00	-4.90	42.83	6.49	34.98	35.20	Average	186	46	VERTICAL
4	5870.83	61.24	74.00	-12.76	54.95	6.50	34.99	35.20	Peak	186	46	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5707.79	68.02	68.20	-0.18	61.91	6.44	34.87	35.20	Peak	182	207	VERTICAL
2	5716.19	69.61	78.20	-8.59	63.50	6.44	34.87	35.20	Peak	182	207	VERTICAL
3	5767.79	95.31			89.14	6.46	34.91	35.20	Average	182	207	VERTICAL
4	5772.60	106.21			100.04	6.46	34.91	35.20	Peak	182	207	VERTICAL
5	5852.40	65.54	78.20	-12.66	59.27	6.49	34.98	35.20	Peak	182	207	VERTICAL
6	5861.60	63.93	68.20	-4.27	57.64	6.50	34.99	35.20	Peak	182	207	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 42, 58, 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5142.69	53.76	54.00	-0.24	48.85	6.13	33.98	35.20	Average	195	254 VERTICAL
2	5143.33	70.37	74.00	-3.63	65.43	6.13	34.01	35.20	Peak	195	254 VERTICAL
3	5197.82	92.13			87.06	6.16	34.11	35.20	Average	195	254 VERTICAL
4	5217.69	105.98			100.86	6.17	34.15	35.20	Peak	195	254 VERTICAL
5	5350.39	44.63	54.00	-9.37	39.15	6.26	34.42	35.20	Average	195	254 VERTICAL
6	5362.18	57.14	74.00	-16.86	51.65	6.27	34.42	35.20	Peak	195	254 VERTICAL

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

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5257.95	91.96			86.74	6.20	34.22	35.20	Average	181	314 VERTICAL
2	5262.44	107.91			102.68	6.21	34.22	35.20	Peak	181	314 VERTICAL
3	5352.82	53.78	54.00	-0.22	48.30	6.26	34.42	35.20	Average	181	314 VERTICAL
4	5362.82	70.92	74.00	-3.08	65.43	6.27	34.42	35.20	Peak	181	314 VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5453.59	68.37	74.00	-5.63	62.61	6.33	34.63	35.20	Peak	190	308 VERTICAL
2	5458.40	52.69	54.00	-1.31	46.93	6.33	34.63	35.20	Average	190	308 VERTICAL
3	5463.59	70.10	74.00	-3.90	64.33	6.34	34.63	35.20	Peak	190	308 VERTICAL
4	5467.60	53.79	54.00	-0.21	47.98	6.34	34.67	35.20	Average	190	308 VERTICAL
5	5553.24	91.52			85.59	6.38	34.75	35.20	Average	190	308 VERTICAL
6	5554.04	104.73			98.80	6.38	34.75	35.20	Peak	190	308 VERTICAL
7	5725.00	57.37	74.00	-16.63	51.23	6.45	34.89	35.20	Peak	190	308 VERTICAL
8	5725.80	45.27	54.00	-8.73	39.13	6.45	34.89	35.20	Average	190	308 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH, 122, 138, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor		cm	deg	
1	5454.23	67.32	74.00	-6.68	61.56	6.33	34.63	35.20 Peak	188	307	VERTICAL
2	5459.36	49.95	54.00	-4.05	44.19	6.33	34.63	35.20 Average	188	307	VERTICAL
3	5468.08	67.41	74.00	-6.59	61.60	6.34	34.67	35.20 Peak	188	307	VERTICAL
4	5470.00	50.81	54.00	-3.19	45.00	6.34	34.67	35.20 Average	188	307	VERTICAL
5	5626.03	113.19			107.17	6.41	34.81	35.20 Peak	188	307	VERTICAL
6	5633.72	98.29			92.27	6.41	34.81	35.20 Average	188	307	VERTICAL
7	5725.00	53.85	54.00	-0.15	47.71	6.45	34.89	35.20 Average	188	307	VERTICAL
8	5725.00	69.03	74.00	-4.97	62.89	6.45	34.89	35.20 Peak	188	307	VERTICAL

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

Channel 138

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor		cm	deg	
1	5664.36	113.44			107.39	6.42	34.83	35.20 Peak	184	312	VERTICAL
2	5713.24	98.74			92.63	6.44	34.87	35.20 Average	184	312	VERTICAL
3	5850.00	47.20	54.00	-6.80	40.93	6.49	34.98	35.20 Average	184	312	VERTICAL
4	5851.06	59.39	74.00	-14.61	53.12	6.49	34.98	35.20 Peak	184	312	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor		cm	deg	
1	5707.79	67.99	68.20	-0.21	61.88	6.44	34.87	35.20 Peak	191	63	VERTICAL
2	5717.79	69.26	78.20	-8.94	63.14	6.45	34.87	35.20 Peak	191	63	VERTICAL
3	5747.76	104.57			98.42	6.45	34.90	35.20 Peak	191	63	VERTICAL
4	5778.21	90.63			84.44	6.46	34.93	35.20 Average	191	63	VERTICAL
5	5851.60	64.20	78.20	-14.00	57.93	6.49	34.98	35.20 Peak	191	63	VERTICAL
6	5868.75	64.06	68.20	-4.14	57.77	6.50	34.99	35.20 Peak	191	63	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 05, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5101.09	53.76	54.00	-0.24	50.92	4.31	33.06	34.53	Average	355	183 VERTICAL
2	5101.66	64.44	74.00	-9.56	61.60	4.31	33.06	34.53	Peak	355	183 VERTICAL
3	5181.16	111.66			108.64	4.36	33.19	34.53	Peak	355	183 VERTICAL
4	5181.16	101.93			98.91	4.36	33.19	34.53	Average	355	183 VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5121.35	64.80	74.00	-9.20	61.92	4.32	33.09	34.53	Peak	353	192	VERTICAL
2	5121.35	53.94	54.00	-0.06	51.06	4.32	33.09	34.53	Average	353	192	VERTICAL
3	5201.16	102.20			99.14	4.37	33.22	34.53	Average	353	192	VERTICAL
4	5202.03	112.43			109.37	4.37	33.22	34.53	Peak	353	192	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	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5150.00	62.44	74.00	-11.56	59.49	4.34	33.14	34.53	Peak	353	196	VERTICAL
2	5150.00	50.35	54.00	-3.65	47.40	4.34	33.14	34.53	Average	353	196	VERTICAL
3	5240.87	123.59			120.46	4.39	33.27	34.53	Peak	353	196	VERTICAL
4	5241.45	114.30			111.17	4.39	33.27	34.53	Average	353	196	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 06, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5258.55	123.03			119.81	4.42	33.33	34.53	Peak	355	192 VERTICAL
2	5259.13	114.09			110.87	4.42	33.33	34.53	Average	355	192 VERTICAL
3	5350.00	48.57	54.00	-5.43	45.17	4.47	33.46	34.53	Average	355	192 VERTICAL
4	5350.87	60.76	74.00	-13.24	57.36	4.47	33.46	34.53	Peak	355	192 VERTICAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5300.87	114.86			111.57	4.44	33.38	34.53	Peak	354	194 VERTICAL
2	5301.16	104.80			101.51	4.44	33.38	34.53	Average	354	194 VERTICAL
3	5381.26	53.98	54.00	-0.02	50.51	4.49	33.51	34.53	Average	354	194 VERTICAL
4	5381.55	65.23	74.00	-8.77	61.76	4.49	33.51	34.53	Peak	354	194 VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5318.84	114.67			111.34	4.45	33.41	34.53	Peak	356	200 VERTICAL
2	5319.13	104.23			100.90	4.45	33.41	34.53	Average	356	200 VERTICAL
3	5398.63	64.89	74.00	-9.11	61.38	4.50	33.54	34.53	Peak	356	200 VERTICAL
4	5398.91	53.95	54.00	-0.05	50.44	4.50	33.54	34.53	Average	356	200 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 100, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 06, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	5418.32	53.76	54.00	-0.24	50.20	4.52	33.57	34.53	357	191	VERTICAL
2	5419.19	64.72	74.00	-9.28	61.16	4.52	33.57	34.53	357	191	VERTICAL
3	5461.32	58.48	74.00	-15.52	54.85	4.54	33.62	34.53	357	191	VERTICAL
4	5467.40	44.57	54.00	-9.43	40.90	4.55	33.65	34.53	357	191	VERTICAL
5	5498.26	112.80			109.06	4.57	33.70	34.53	357	191	VERTICAL
6	5498.84	101.76			98.02	4.57	33.70	34.53	357	191	VERTICAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	5697.11	101.01			96.61	4.70	34.27	34.57	358	197	VERTICAL
2	5698.26	112.08			107.68	4.70	34.27	34.57	358	197	VERTICAL
3	5777.68	66.95	74.00	-7.05	62.25	4.75	34.53	34.58	358	197	VERTICAL
4	5777.68	53.74	54.00	-0.26	49.04	4.75	34.53	34.58	358	197	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 06, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5662.03	67.87	68.20	-0.33	63.59	4.67	34.17	34.56	Peak	358	193 VERTICAL
2	5724.71	78.14	78.20	-0.06	73.63	4.72	34.37	34.58	Peak	358	193 VERTICAL
3	5742.11	107.16			102.59	4.73	34.42	34.58	Average	358	193 VERTICAL
4	5743.26	116.71			112.14	4.73	34.42	34.58	Peak	358	193 VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5712.40	68.15	68.20	-0.05	63.70	4.71	34.32	34.58	Peak	359	196	VERTICAL
2	5722.68	59.42	78.20	-18.78	54.91	4.72	34.37	34.58	Peak	359	196	VERTICAL
3	5782.11	107.74			103.05	4.75	34.53	34.59	Average	359	196	VERTICAL
4	5783.26	117.51			112.82	4.75	34.53	34.59	Peak	359	196	VERTICAL
5	5859.71	63.21	78.20	-14.99	58.21	4.81	34.79	34.60	Peak	359	196	VERTICAL
6	5863.31	67.97	68.20	-0.23	62.97	4.81	34.79	34.60	Peak	359	196	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5822.11	107.81			102.94	4.79	34.68	34.60	Average	358	196	VERTICAL
2	5823.26	117.69			112.82	4.79	34.68	34.60	Peak	358	196	VERTICAL
3	5851.16	65.95	78.20	-12.25	61.02	4.80	34.73	34.60	Peak	358	196	VERTICAL
4	5902.55	68.06	68.20	-0.14	62.95	4.83	34.89	34.61	Peak	358	196	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 07, 2014 / Dec. 11, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Channel 36

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5097.60	65.17	74.00	-8.83	60.36	6.10	33.91	35.20	Peak	148	3	VERTICAL
2	5102.80	53.87	54.00	-0.13	49.06	6.10	33.91	35.20	Average	148	3	VERTICAL
3	5181.20	111.37			106.34	6.15	34.08	35.20	Peak	148	3	VERTICAL
4	5182.80	101.15			96.12	6.15	34.08	35.20	Average	148	3	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5118.80	53.77	54.00	-0.23	48.92	6.11	33.94	35.20	Average	177	357	VERTICAL
2	5126.40	64.91	74.00	-10.09	60.01	6.12	33.98	35.20	Peak	177	357	VERTICAL
3	5198.80	101.90			96.83	6.16	34.11	35.20	Average	177	357	VERTICAL
4	5206.00	112.76			107.69	6.16	34.11	35.20	Peak	177	357	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		T/Pos	A/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	deg	cm	Pol/Phase
1	5150.00	61.62	74.00	-12.38	58.67	4.34	33.14	34.53	Peak	360	173	VERTICAL
2	5150.00	49.78	54.00	-4.22	46.83	4.34	33.14	34.53	Average	360	173	VERTICAL
3	5238.84	107.68			104.55	4.39	33.27	34.53	Average	360	173	VERTICAL
4	5242.60	122.34			119.17	4.40	33.30	34.53	Peak	360	173	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 07, 2014 / Dec. 11, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5258.84	107.33			104.11	4.42	33.33	34.53	Average	0	192	VERTICAL
2	5263.76	121.64			118.42	4.42	33.33	34.53	Peak	0	192	VERTICAL
3	5350.00	59.90	74.00	-14.10	56.50	4.47	33.46	34.53	Peak	0	192	VERTICAL
4	5350.00	48.59	54.00	-5.41	45.19	4.47	33.46	34.53	Average	0	192	VERTICAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5297.60	104.02			98.67	6.23	34.32	35.20	Average	166	3	VERTICAL
2	5297.60	115.21			109.86	6.23	34.32	35.20	Peak	166	3	VERTICAL
3	5387.60	64.67	74.00	-9.33	59.10	6.28	34.49	35.20	Peak	166	3	VERTICAL
4	5388.00	53.80	54.00	-0.20	48.23	6.28	34.49	35.20	Average	166	3	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5318.20	103.01			97.61	6.24	34.36	35.20	Average	186	7 VERTICAL
2	5318.80	113.47			108.07	6.24	34.36	35.20	Peak	186	7 VERTICAL
3	5398.60	53.88	54.00	-0.12	48.30	6.29	34.49	35.20	Average	186	7 VERTICAL
4	5398.60	63.86	74.00	-10.14	58.28	6.29	34.49	35.20	Peak	186	7 VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 11, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5412.00	53.89	54.00	-0.11	48.25	6.31	34.53	35.20	Average	173	1	VERTICAL
2	5417.20	64.98	74.00	-9.02	59.31	6.31	34.56	35.20	Peak	173	1	VERTICAL
3	5462.00	60.26	74.00	-13.74	54.50	6.33	34.63	35.20	Peak	173	1	VERTICAL
4	5466.80	46.81	54.00	-7.19	41.04	6.34	34.63	35.20	Average	173	1	VERTICAL
5	5498.80	112.57			106.71	6.36	34.70	35.20	Peak	173	1	VERTICAL
6	5502.40	101.23			95.36	6.36	34.71	35.20	Average	173	1	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5702.40	115.75			109.65	6.44	34.86	35.20	Peak	156	0	VERTICAL
2	5707.20	104.69			98.58	6.44	34.87	35.20	Average	156	0	VERTICAL
3	5725.00	67.86	68.20	-0.34	61.72	6.45	34.89	35.20	Peak	160	0	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 07, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Channel 149

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	5668.69	67.42	68.20	-0.78	63.08	4.68	34.22	34.56	0	179	VERTICAL
2	5722.97	78.07	78.20	-0.13	73.56	4.72	34.37	34.58	0	179	VERTICAL
3	5743.84	116.24			111.67	4.73	34.42	34.58	0	179	VERTICAL
4	5743.84	100.84			96.27	4.73	34.42	34.58	0	179	VERTICAL

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

Channel 157

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	5698.79	67.77	68.20	-0.43	63.37	4.70	34.27	34.57	0	188	VERTICAL
2	5722.97	61.56	78.20	-16.64	57.05	4.72	34.37	34.58	0	188	VERTICAL
3	5783.84	114.47			109.78	4.75	34.53	34.59	0	188	VERTICAL
4	5786.16	100.79			96.04	4.76	34.58	34.59	0	188	VERTICAL
5	5850.00	61.33	78.20	-16.87	56.40	4.80	34.73	34.60	0	188	VERTICAL
6	5863.60	66.90	68.20	-1.30	61.90	4.81	34.79	34.60	0	188	VERTICAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	5823.84	116.35			111.48	4.79	34.68	34.60	0	171	VERTICAL
2	5826.45	102.14			97.27	4.79	34.68	34.60	0	171	VERTICAL
3	5850.00	72.91	78.20	-5.29	67.98	4.80	34.73	34.60	0	171	VERTICAL
4	5903.13	68.03	68.20	-0.17	62.92	4.83	34.89	34.61	0	171	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5102.24	53.60	54.00	-0.40	50.84	4.23	33.06	34.53	5	100	VERTICAL
2	5105.14	64.85	74.00	-9.15	62.09	4.23	33.06	34.53	5	100	VERTICAL
3	5178.55	112.80			109.87	4.27	33.19	34.53	5	100	VERTICAL
4	5182.03	101.66			98.73	4.27	33.19	34.53	5	100	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5119.61	64.92	74.00	-9.08	62.12	4.24	33.09	34.53	4	150	VERTICAL
2	5122.21	53.86	54.00	-0.14	51.06	4.24	33.09	34.53	4	150	VERTICAL
3	5202.03	103.04			100.07	4.28	33.22	34.53	4	150	VERTICAL
4	5204.34	114.88			111.91	4.28	33.22	34.53	4	150	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5113.97	62.61	74.00	-11.39	59.81	4.24	33.09	34.53	0	176	VERTICAL
2	5126.12	49.57	54.00	-4.43	46.74	4.25	33.11	34.53	0	176	VERTICAL
3	5233.49	111.08			108.04	4.30	33.27	34.53	0	176	VERTICAL
4	5235.66	121.81			118.77	4.30	33.27	34.53	0	176	VERTICAL
5	5351.74	48.20	54.00	-5.80	44.92	4.35	33.46	34.53	0	176	VERTICAL
6	5354.78	59.96	74.00	-14.04	56.68	4.35	33.46	34.53	0	176	VERTICAL

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Dec. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5141.75	61.87	74.00	-12.13	59.00	4.26	33.14	34.53	Peak	5	145	VERTICAL
2	5148.26	49.72	54.00	-4.28	46.85	4.26	33.14	34.53	Average	5	145	VERTICAL
3	5262.17	112.19			109.08	4.31	33.33	34.53	Average	5	145	VERTICAL
4	5264.34	123.05			119.94	4.31	33.33	34.53	Peak	5	145	VERTICAL
5	5371.71	48.07	54.00	-5.93	44.75	4.36	33.49	34.53	Average	5	145	VERTICAL
6	5376.92	60.45	74.00	-13.55	57.13	4.36	33.49	34.53	Peak	5	145	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5297.68	104.96			101.78	4.33	33.38	34.53	Average	8	157	VERTICAL
2	5302.89	114.99			111.81	4.33	33.38	34.53	Peak	8	157	VERTICAL
3	5377.50	53.96	54.00	-0.04	50.61	4.37	33.51	34.53	Average	8	157	VERTICAL
4	5382.42	65.37	74.00	-8.63	62.02	4.37	33.51	34.53	Peak	8	157	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5317.68	105.30			102.09	4.33	33.41	34.53	Average	9	188	VERTICAL
2	5324.05	115.79			112.58	4.33	33.41	34.53	Peak	9	188	VERTICAL
3	5397.47	53.92	54.00	-0.08	50.54	4.37	33.54	34.53	Average	9	188	VERTICAL
4	5398.91	65.23	74.00	-8.77	61.85	4.37	33.54	34.53	Peak	9	188	VERTICAL

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