Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11083.36	59.19	74.00	-14.81	40.51	13.55	38.51	33.38	150	143	Peak	HORIZONTAL
2	11098.05	46.59	54.00	-7.41	27.81	13.60	38.56	33.38	150	143	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11079.09	59.53	74.00	-14.47	40.85	13.55	38.51	33.38	150	99	Peak	VERTICAL
2	11120.19	46.46	54.00	-7.54	27.68	13.60	38.56	33.38	150	99	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11318.15	47.51	54.00	-6.49	28.08	13.92	38.88	33.37	150	50	Average	HORIZONTAL
2	11326.25	61.12	74.00	-12.88	41.59	13.97	38.93	33.37	150	50	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11317.28	47.41	54.00	-6.59	27.98	13.92	38.88	33.37	150	9	Average	VERTICAL
2	11342.03	60.47	74.00	-13.53	40.94	13.97	38.93	33.37	150	9	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15849.81	50.13	54.00	-3.87	29.95	16.57	37.62	34.01	150	188	Average	HORIZONTAL
2	15880.49	63.21	74.00	-10.79	43.12	16.60	37.55	34.06	150	188	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15852.13	63.85	74.00	-10.15	43.67	16.57	37.62	34.01	150	140	Peak	VERTICAL
2	15870.80	50.18	54.00	-3.82	30.05	16.57	37.62	34.06	150	140	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11053.49	46.38	54.00	-7.62	27.82	13.49	38.45	33.38	150	162	Average	HORIZONTAL
2	11068.47	60.27	74.00	-13.73	41.59	13.55	38.51	33.38	150	162	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11052.47	46.29	54.00	-7.71	27.73	13.49	38.45	33.38	150	196	Average	VERTICAL
2	11069.19	60.31	74.00	-13.69	41.63	13.55	38.51	33.38	150	196	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11201.55	61.13	74.00	-12.87	42.03	13.76	38.72	33.38	150	218	Peak	HORIZONTAL
2	11231.29	47.23	54.00	-6.77	28.03	13.81	38.77	33.38	150	218	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11213.20	61.06	74.00	-12.94	41.96	13.76	38.72	33.38	150	247	Peak	VERTICAL
2	11230.06	47.31	54.00	-6.69	28.11	13.81	38.77	33.38	150	247	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11434.57	52.33	54.00	-1.67	32.48	14.13	39.09	33.37	150	352	Average	HORIZONTAL
2	11434.93	66.80	74.00	-7.20	46.95	14.13	39.09	33.37	150	352	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11434.57	62.41	74.00	-11.59	42.56	14.13	39.09	33.37	150	117	Peak	VERTICAL
2	11436.17	50.33	54.00	-3.67	30.48	14.13	39.09	33.37	150	117	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11438.63	66.19	74.00	-7.81	46.34	14.13	39.09	33.37	150	351	Peak	HORIZONTAL
2	11441.30	52.78	54.00	-1.22	32.93	14.13	39.09	33.37	150	351	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11438.48	50.06	54.00	-3.94	30.21	14.13	39.09	33.37	150	128	Average	VERTICAL
2	11438.63	62.15	74.00	-11.85	42.30	14.13	39.09	33.37	150	128	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11398.44	61.15	74.00	-12.85	41.40	14.08	39.04	33.37	150	61	Peak	HORIZONTAL
2	11408.71	47.56	54.00	-6.44	27.81	14.08	39.04	33.37	150	61	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11407.19	47.55	54.00	-6.45	27.80	14.08	39.04	33.37	150	106	Average	VERTICAL
2	11421.08	61.69	74.00	-12.31	41.84	14.13	39.09	33.37	150	106	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 16, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*2 / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11356.41	61.14	74.00	-12.86	41.49	14.03	38.99	33.37	150	282	Peak	HORIZONTAL
2	11378.84	47.49	54.00	-6.51	27.84	14.03	38.99	33.37	150	282	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11355.54	47.65	54.00	-6.35	28.00	14.03	38.99	33.37	150	237	Average	VERTICAL
2	11366.18	60.38	74.00	-13.62	40.73	14.03	38.99	33.37	150	237	Peak	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15784.64	59.41	74.00	-14.59	43.06	12.57	37.73	33.95	234	270	Peak	HORIZONTAL
2	15789.12	46.40	54.00	-7.60	30.05	12.57	37.73	33.95	234	270	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.20	59.67	74.00	-14.33	43.27	12.57	37.76	33.93	203	223	Peak	VERTICAL
2	15787.36	46.45	54.00	-7.55	30.10	12.57	37.73	33.95	203	223	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10592.16	56.28	74.00	-17.72	41.35	10.16	38.40	33.63	167	118	Peak	HORIZONTAL
2	10599.08	43.47	54.00	-10.53	28.54	10.16	38.40	33.63	167	118	Average	HORIZONTAL
3	15902.96	59.87	74.00	-14.13	43.81	12.57	37.54	34.05	187	254	Peak	HORIZONTAL
4	15906.72	46.99	54.00	-7.01	30.97	12.56	37.54	34.08	187	254	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10592.20	43.41	54.00	-10.59	28.48	10.16	38.40	33.63	244	264	Average	VERTICAL
2	10599.08	56.88	74.00	-17.12	41.95	10.16	38.40	33.63	244	264	Peak	VERTICAL
3	15895.16	59.69	74.00	-14.31	43.60	12.57	37.57	34.05	189	297	Peak	VERTICAL
4	15908.32	47.05	54.00	-6.95	31.03	12.56	37.54	34.08	189	297	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10630.24	55.97	74.00	-18.03	40.96	10.21	38.40	33.60	204	176	Peak	HORIZONTAL
2	10648.48	43.12	54.00	-10.88	28.11	10.21	38.40	33.60	204	176	Average	HORIZONTAL
3	15960.88	59.43	74.00	-14.57	43.54	12.56	37.46	34.13	224	145	Peak	HORIZONTAL
4	15968.36	46.30	54.00	-7.70	30.41	12.56	37.46	34.13	224	145	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10631.60	43.10	54.00	-10.90	28.09	10.21	38.40	33.60	207	140	Average	VERTICAL
2	10634.76	55.71	74.00	-18.29	40.70	10.21	38.40	33.60	207	140	Peak	VERTICAL
3	15956.48	58.85	74.00	-15.15	42.96	12.56	37.46	34.13	217	150	Peak	VERTICAL
4	15958.24	46.54	54.00	-7.46	30.65	12.56	37.46	34.13	217	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10997.24	55.38	74.00	-18.62	39.81	10.55	38.40	33.38	200	166	Peak	HORIZONTAL
2	11007.16	42.76	54.00	-11.24	27.17	10.55	38.42	33.38	200	166	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11003.80	55.22	74.00	-18.78	39.65	10.55	38.40	33.38	216	195	Peak	VERTICAL
2	11004.12	42.55	54.00	-11.45	26.98	10.55	38.40	33.38	216	195	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11151.20	56.36	74.00	-17.64	40.59	10.60	38.55	33.38	238	143	Peak	HORIZONTAL
2	11158.36	43.92	54.00	-10.08	28.13	10.60	38.57	33.38	238	143	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.88	57.10	74.00	-16.90	41.31	10.60	38.57	33.38	243	155	Peak	VERTICAL
2	11166.56	44.02	54.00	-9.98	28.22	10.61	38.57	33.38	243	155	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.12	42.26	54.00	-11.74	26.16	10.69	38.78	33.37	224	151	Average	HORIZONTAL
2	11397.24	55.49	74.00	-18.51	39.37	10.69	38.80	33.37	224	151	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11394.24	42.24	54.00	-11.76	26.14	10.69	38.78	33.37	214	148	Average	VERTICAL
2	11396.72	55.11	74.00	-18.89	38.99	10.69	38.80	33.37	214	148	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15770.40	59.39	74.00	-14.61	42.99	12.57	37.76	33.93	198	156	Peak	HORIZONTAL
2	15788.28	46.34	54.00	-7.66	29.99	12.57	37.73	33.95	198	156	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15776.16	46.38	54.00	-7.62	29.98	12.57	37.76	33.93	210	147	Average	VERTICAL
2	15782.92	59.23	74.00	-14.77	42.88	12.57	37.73	33.95	210	147	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10592.64	56.24	74.00	-17.76	41.31	10.16	38.40	33.63	203	148	Peak	HORIZONTAL
2	10594.16	43.38	54.00	-10.62	28.45	10.16	38.40	33.63	203	148	Average	HORIZONTAL
3	15908.80	59.48	74.00	-14.52	43.46	12.56	37.54	34.08	198	158	Peak	HORIZONTAL
4	15909.64	46.68	54.00	-7.32	30.66	12.56	37.54	34.08	198	158	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10597.52	43.41	54.00	-10.59	28.48	10.16	38.40	33.63	209	160	Average	VERTICAL
2	10600.32	56.67	74.00	-17.33	41.74	10.16	38.40	33.63	209	160	Peak	VERTICAL
3	15892.40	59.30	74.00	-14.70	43.21	12.57	37.57	34.05	188	183	Peak	VERTICAL
4	15906.44	46.47	54.00	-7.53	30.45	12.56	37.54	34.08	188	183	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10636.52	55.94	74.00	-18.06	40.93	10.21	38.40	33.60	192	224	Peak	HORIZONTAL
2	10643.68	43.06	54.00	-10.94	28.05	10.21	38.40	33.60	192	224	Average	HORIZONTAL
3	15956.12	58.46	74.00	-15.54	42.57	12.56	37.46	34.13	185	210	Peak	HORIZONTAL
4	15965.56	46.24	54.00	-7.76	30.35	12.56	37.46	34.13	185	210	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10630.20	43.00	54.00	-11.00	27.99	10.21	38.40	33.60	195	197	Average	VERTICAL
2	10638.00	55.35	74.00	-18.65	40.34	10.21	38.40	33.60	195	197	Peak	VERTICAL
3	15963.48	46.26	54.00	-7.74	30.37	12.56	37.46	34.13	190	202	Average	VERTICAL
4	15965.64	58.94	74.00	-15.06	43.05	12.56	37.46	34.13	190	202	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11003.16	56.39	74.00	-17.61	40.82	10.55	38.40	33.38	199	219	Peak	HORIZONTAL
2	11007.08	42.60	54.00	-11.40	27.01	10.55	38.42	33.38	199	219	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11005.52	55.23	74.00	-18.77	39.64	10.55	38.42	33.38	239	181	Peak	VERTICAL
2	11009.80	42.47	54.00	-11.53	26.87	10.56	38.42	33.38	239	181	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.24	43.80	54.00	-10.20	28.03	10.60	38.55	33.38	216	212	Average	HORIZONTAL
2	11161.72	56.52	74.00	-17.48	40.73	10.60	38.57	33.38	216	212	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.60	43.72	54.00	-10.28	27.95	10.60	38.55	33.38	224	195	Average	VERTICAL
2	11157.00	56.71	74.00	-17.29	40.94	10.60	38.55	33.38	224	195	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11393.84	42.29	54.00	-11.71	26.19	10.69	38.78	33.37	231	222	Average	HORIZONTAL
2	11393.92	55.10	74.00	-18.90	39.00	10.69	38.78	33.37	231	222	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.92	42.25	54.00	-11.75	26.13	10.69	38.80	33.37	240	232	Average	VERTICAL
2	11402.00	54.81	74.00	-19.19	38.69	10.69	38.80	33.37	240	232	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15811.24	59.81	74.00	-14.19	43.52	12.57	37.70	33.98	242	217	Peak	HORIZONTAL
2	15818.72	46.42	54.00	-7.58	30.15	12.57	37.68	33.98	242	217	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15804.00	59.12	74.00	-14.88	42.83	12.57	37.70	33.98	232	255	Peak	VERTICAL
2	15817.12	46.21	54.00	-7.79	29.94	12.57	37.68	33.98	232	255	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10611.20	43.27	54.00	-10.73	28.30	10.19	38.40	33.62	219	242	Average	HORIZONTAL
2	10627.56	55.84	74.00	-18.16	40.83	10.21	38.40	33.60	219	242	Peak	HORIZONTAL
3	15920.52	46.83	54.00	-7.17	30.84	12.56	37.51	34.08	228	232	Average	HORIZONTAL
4	15921.84	59.45	74.00	-14.55	43.46	12.56	37.51	34.08	228	232	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10612.88	43.19	54.00	-10.81	28.22	10.19	38.40	33.62	213	234	Average	VERTICAL
2	10628.12	56.14	74.00	-17.86	41.13	10.21	38.40	33.60	213	234	Peak	VERTICAL
3	15923.36	59.68	74.00	-14.32	43.69	12.56	37.51	34.08	222	237	Peak	VERTICAL
4	15926.16	46.87	54.00	-7.13	30.88	12.56	37.51	34.08	222	237	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11066.00	43.06	54.00	-10.94	27.39	10.58	38.47	33.38	204	260	Average	HORIZONTAL
2	11068.80	55.62	74.00	-18.38	39.95	10.58	38.47	33.38	204	260	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11051.92	55.05	74.00	-18.95	39.41	10.57	38.45	33.38	205	267	Peak	VERTICAL
2	11066.28	43.24	54.00	-10.76	27.57	10.58	38.47	33.38	205	267	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11069.04	56.08	74.00	-17.92	40.41	10.58	38.47	33.38	205	279	Peak	HORIZONTAL
2	11069.44	43.06	54.00	-10.94	27.39	10.58	38.47	33.38	205	279	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11053.20	55.79	74.00	-18.21	40.15	10.57	38.45	33.38	217	286	Peak	VERTICAL
2	11068.48	43.15	54.00	-10.85	27.48	10.58	38.47	33.38	217	286	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11331.08	42.49	54.00	-11.51	26.47	10.66	38.73	33.37	237	251	Average	HORIZONTAL
2	11341.08	55.63	74.00	-18.37	39.60	10.67	38.73	33.37	237	251	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11332.52	55.74	74.00	-18.26	39.72	10.66	38.73	33.37	231	245	Peak	VERTICAL
2	11341.68	42.52	54.00	-11.48	26.49	10.67	38.73	33.37	231	245	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15867.80	46.45	54.00	-7.55	30.32	12.57	37.59	34.03	220	222	Average	HORIZONTAL
2	15876.80	59.16	74.00	-14.84	43.03	12.57	37.59	34.03	220	222	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15861.96	59.54	74.00	-14.46	43.38	12.57	37.62	34.03	214	214	Peak	VERTICAL
2	15878.56	46.43	54.00	-7.57	30.30	12.57	37.59	34.03	214	214	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11052.16	56.11	74.00	-17.89	40.47	10.57	38.45	33.38	210	212	Peak	HORIZONTAL
2	11068.92	43.09	54.00	-10.91	27.42	10.58	38.47	33.38	210	212	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11051.80	56.43	74.00	-17.57	40.79	10.57	38.45	33.38	203	201	Peak	VERTICAL
2	11069.20	43.15	54.00	-10.85	27.48	10.58	38.47	33.38	203	201	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11224.80	44.05	54.00	-9.95	28.18	10.63	38.62	33.38	193	180	Average	HORIZONTAL
2	11226.28	57.06	74.00	-16.94	41.18	10.63	38.63	33.38	193	180	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11215.32	57.00	74.00	-17.00	41.13	10.63	38.62	33.38	204	200	Peak	VERTICAL
2	11220.48	44.01	54.00	-9.99	28.14	10.63	38.62	33.38	204	200	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11432.64	55.59	74.00	-18.41	39.44	10.69	38.83	33.37	210	172	Peak	HORIZONTAL
2	11438.56	41.89	54.00	-12.11	25.74	10.69	38.83	33.37	210	172	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11430.76	41.91	54.00	-12.09	25.76	10.69	38.83	33.37	196	158	Average	VERTICAL
2	11440.00	55.89	74.00	-18.11	39.74	10.69	38.83	33.37	196	158	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11430.56	41.85	54.00	-12.15	25.70	10.69	38.83	33.37	250	221	Average	HORIZONTAL
2	11444.60	54.76	74.00	-19.24	38.60	10.70	38.83	33.37	250	221	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11434.32	41.86	54.00	-12.14	25.71	10.69	38.83	33.37	234	229	Average	VERTICAL
2	11447.24	54.64	74.00	-19.36	38.46	10.70	38.85	33.37	234	229	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11414.44	42.06	54.00	-11.94	25.92	10.69	38.82	33.37	214	226	Average	HORIZONTAL
2	11418.48	54.73	74.00	-19.27	38.59	10.69	38.82	33.37	214	226	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11413.52	54.83	74.00	-19.17	38.69	10.69	38.82	33.37	224	239	Peak	VERTICAL
2	11418.92	42.02	54.00	-11.98	25.88	10.69	38.82	33.37	224	239	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 02, 2015		
Test Mode	Mode 3 (Set 6 Panel antenna / 2.66dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11377.20	55.56	74.00	-18.44	39.48	10.68	38.77	33.37	231	154	Peak	HORIZONTAL
2	11379.24	42.49	54.00	-11.51	26.40	10.68	38.78	33.37	231	154	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11370.44	42.50	54.00	-11.50	26.42	10.68	38.77	33.37	196	213	Average	VERTICAL
2	11386.28	55.32	74.00	-18.68	39.23	10.68	38.78	33.37	196	213	Peak	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.84	61.34	74.00	-12.66	43.09	14.44	37.76	33.95	157	51	Peak	HORIZONTAL
2	15781.84	48.42	54.00	-5.58	30.20	14.44	37.73	33.95	157	51	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.96	61.27	74.00	-12.73	43.02	14.44	37.76	33.95	160	37	Peak	VERTICAL
2	15782.66	48.21	54.00	-5.79	29.99	14.44	37.73	33.95	160	37	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10601.42	45.12	54.00	-8.88	28.72	11.62	38.40	33.62	194	130	Average	HORIZONTAL
2	10601.53	58.06	74.00	-15.94	41.66	11.62	38.40	33.62	194	130	Peak	HORIZONTAL
3	15896.02	61.63	74.00	-12.37	43.64	14.47	37.57	34.05	213	162	Peak	HORIZONTAL
4	15902.97	47.95	54.00	-6.05	29.99	14.47	37.54	34.05	213	162	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10601.25	45.25	54.00	-8.75	28.85	11.62	38.40	33.62	200	134	Average	VERTICAL
2	10603.47	58.47	74.00	-15.53	42.07	11.62	38.40	33.62	200	134	Peak	VERTICAL
3	15898.42	61.04	74.00	-12.96	43.05	14.47	37.57	34.05	196	190	Peak	VERTICAL
4	15900.54	47.70	54.00	-6.30	29.74	14.47	37.54	34.05	196	190	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10638.93	58.55	74.00	-15.45	42.03	11.72	38.40	33.60	206	209	Peak	HORIZONTAL
2	10643.04	45.60	54.00	-8.40	29.08	11.72	38.40	33.60	206	209	Average	HORIZONTAL
3	15960.04	48.10	54.00	-5.90	30.28	14.49	37.46	34.13	228	209	Average	HORIZONTAL
4	15963.81	61.44	74.00	-12.56	43.62	14.49	37.46	34.13	228	209	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.97	45.14	54.00	-8.86	28.62	11.72	38.40	33.60	218	194	Average	VERTICAL
2	10643.86	59.05	74.00	-14.95	42.53	11.72	38.40	33.60	218	194	Peak	VERTICAL
3	15958.05	61.13	74.00	-12.87	43.31	14.49	37.46	34.13	213	186	Peak	VERTICAL
4	15960.59	48.31	54.00	-5.69	30.49	14.49	37.46	34.13	213	186	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10996.05	45.79	54.00	-8.21	28.53	12.24	38.40	33.38	226	210	Average	HORIZONTAL
2	11000.22	59.08	74.00	-14.92	41.82	12.24	38.40	33.38	226	210	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.88	46.01	54.00	-7.99	28.75	12.24	38.40	33.38	236	217	Average	VERTICAL
2	11003.89	58.85	74.00	-15.15	41.59	12.24	38.40	33.38	236	217	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.01	46.23	54.00	-7.77	28.60	12.44	38.57	33.38	232	224	Average	HORIZONTAL
2	11160.53	59.37	74.00	-14.63	41.74	12.44	38.57	33.38	232	224	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11156.01	59.83	74.00	-14.17	42.22	12.44	38.55	33.38	224	232	Peak	VERTICAL
2	11158.28	46.30	54.00	-7.70	28.67	12.44	38.57	33.38	224	232	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11401.25	47.08	54.00	-6.92	28.84	12.81	38.80	33.37	238	240	Average	HORIZONTAL
2	11401.86	60.52	74.00	-13.48	42.28	12.81	38.80	33.37	238	240	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11403.44	47.18	54.00	-6.82	28.94	12.81	38.80	33.37	233	244	Average	VERTICAL
2	11403.86	60.05	74.00	-13.95	41.81	12.81	38.80	33.37	233	244	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15776.51	61.20	74.00	-12.80	42.93	14.44	37.76	33.93	200	258	Peak	HORIZONTAL
2	15781.72	48.06	54.00	-5.94	29.84	14.44	37.73	33.95	200	258	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.44	60.76	74.00	-13.24	42.51	14.44	37.76	33.95	204	202	Peak	VERTICAL
2	15781.37	48.12	54.00	-5.88	29.87	14.44	37.76	33.95	204	202	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10602.15	44.96	54.00	-9.04	28.56	11.62	38.40	33.62	225	259	Average	HORIZONTAL
2	10602.30	59.04	74.00	-14.96	42.64	11.62	38.40	33.62	225	259	Peak	HORIZONTAL
3	15897.34	60.97	74.00	-13.03	42.98	14.47	37.57	34.05	225	259	Peak	HORIZONTAL
4	15903.66	48.38	54.00	-5.62	30.42	14.47	37.54	34.05	225	259	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.46	59.07	74.00	-14.93	42.68	11.62	38.40	33.63	216	258	Peak	VERTICAL
2	10601.81	45.02	54.00	-8.98	28.62	11.62	38.40	33.62	216	258	Average	VERTICAL
3	15898.63	48.28	54.00	-5.72	30.29	14.47	37.57	34.05	230	276	Average	VERTICAL
4	15901.50	61.26	74.00	-12.74	43.30	14.47	37.54	34.05	230	276	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10637.93	45.47	54.00	-8.53	29.00	11.67	38.40	33.60	235	238	Average	HORIZONTAL
2	10642.34	58.45	74.00	-15.55	41.93	11.72	38.40	33.60	235	238	Peak	HORIZONTAL
3	15958.28	61.29	74.00	-12.71	43.47	14.49	37.46	34.13	214	226	Peak	HORIZONTAL
4	15962.97	48.10	54.00	-5.90	30.28	14.49	37.46	34.13	214	226	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10637.27	45.53	54.00	-8.47	29.06	11.67	38.40	33.60	210	241	Average	VERTICAL
2	10642.88	58.80	74.00	-15.20	42.28	11.72	38.40	33.60	210	241	Peak	VERTICAL
3	15960.72	61.69	74.00	-12.31	43.87	14.49	37.46	34.13	194	212	Peak	VERTICAL
4	15963.74	48.19	54.00	-5.81	30.37	14.49	37.46	34.13	194	212	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10996.20	58.65	74.00	-15.35	41.39	12.24	38.40	33.38	219	216	Peak	HORIZONTAL
2	10998.18	45.84	54.00	-8.16	28.58	12.24	38.40	33.38	219	216	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10997.85	45.89	54.00	-8.11	28.63	12.24	38.40	33.38	227	227	Average	VERTICAL
2	11001.29	59.29	74.00	-14.71	42.03	12.24	38.40	33.38	227	227	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.85	46.14	54.00	-7.86	28.51	12.44	38.57	33.38	228	221	Average	HORIZONTAL
2	11162.92	60.32	74.00	-13.68	42.69	12.44	38.57	33.38	228	221	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.43	59.98	74.00	-14.02	42.35	12.44	38.57	33.38	221	217	Peak	VERTICAL
2	11160.58	45.29	54.00	-8.71	27.66	12.44	38.57	33.38	221	217	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11401.42	59.90	74.00	-14.10	41.66	12.81	38.80	33.37	244	183	Peak	HORIZONTAL
2	11402.83	47.02	54.00	-6.98	28.78	12.81	38.80	33.37	244	183	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11396.24	60.25	74.00	-13.75	42.01	12.81	38.80	33.37	229	197	Peak	VERTICAL
2	11401.71	47.16	54.00	-6.84	28.92	12.81	38.80	33.37	229	197	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15806.51	61.23	74.00	-12.77	43.07	14.44	37.70	33.98	223	135	Peak	HORIZONTAL
2	15811.05	47.70	54.00	-6.30	29.54	14.44	37.70	33.98	223	135	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15807.86	47.63	54.00	-6.37	29.47	14.44	37.70	33.98	231	145	Average	VERTICAL
2	15810.93	60.74	74.00	-13.26	42.58	14.44	37.70	33.98	231	145	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10620.61	45.48	54.00	-8.52	29.03	11.67	38.40	33.62	234	120	Average	HORIZONTAL
2	10621.19	59.56	74.00	-14.44	43.11	11.67	38.40	33.62	234	120	Peak	HORIZONTAL
3	15926.55	48.06	54.00	-5.94	30.14	14.49	37.51	34.08	188	147	Average	HORIZONTAL
4	15930.30	61.20	74.00	-12.80	43.30	14.49	37.51	34.10	188	147	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10620.51	57.95	74.00	-16.05	41.50	11.67	38.40	33.62	215	110	Peak	VERTICAL
2	10623.97	45.44	54.00	-8.56	28.99	11.67	38.40	33.62	215	110	Average	VERTICAL
3	15926.24	61.14	74.00	-12.86	43.22	14.49	37.51	34.08	207	150	Peak	VERTICAL
4	15929.24	47.96	54.00	-6.04	30.04	14.49	37.51	34.08	207	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11016.82	45.81	54.00	-8.19	28.53	12.24	38.42	33.38	206	176	Average	HORIZONTAL
2	11018.53	59.18	74.00	-14.82	41.90	12.24	38.42	33.38	206	176	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11021.54	45.83	54.00	-8.17	28.54	12.24	38.43	33.38	195	160	Average	VERTICAL
2	11021.54	57.85	74.00	-16.15	40.56	12.24	38.43	33.38	195	160	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11102.89	46.15	54.00	-7.85	28.64	12.39	38.50	33.38	213	166	Average	HORIZONTAL
2	11102.92	58.47	74.00	-15.53	40.96	12.39	38.50	33.38	213	166	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11097.12	58.97	74.00	-15.03	41.51	12.34	38.50	33.38	180	156	Peak	VERTICAL
2	11103.11	45.97	54.00	-8.03	28.46	12.39	38.50	33.38	180	156	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.59	60.34	74.00	-13.66	42.28	12.70	38.73	33.37	196	156	Peak	HORIZONTAL
2	11341.88	47.01	54.00	-6.99	28.95	12.70	38.73	33.37	196	156	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11337.52	47.06	54.00	-6.94	29.00	12.70	38.73	33.37	208	185	Average	VERTICAL
2	11341.92	60.14	74.00	-13.86	42.08	12.70	38.73	33.37	208	185	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15872.11	61.89	74.00	-12.11	43.86	14.47	37.59	34.03	202	157	Peak	HORIZONTAL
2	15873.87	48.40	54.00	-5.60	30.37	14.47	37.59	34.03	202	157	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15868.56	61.54	74.00	-12.46	43.51	14.47	37.59	34.03	217	167	Peak	VERTICAL
2	15870.04	48.42	54.00	-5.58	30.39	14.47	37.59	34.03	217	167	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.83	59.55	74.00	-14.45	42.17	12.29	38.47	33.38	196	166	Peak	HORIZONTAL
2	11060.30	45.96	54.00	-8.04	28.58	12.29	38.47	33.38	196	166	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11056.67	58.64	74.00	-15.36	41.26	12.29	38.47	33.38	192	157	Peak	VERTICAL
2	11058.75	45.89	54.00	-8.11	28.51	12.29	38.47	33.38	192	157	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.82	59.84	74.00	-14.16	42.05	12.55	38.62	33.38	219	159	Peak	HORIZONTAL
2	11221.85	46.62	54.00	-7.38	28.83	12.55	38.62	33.38	219	159	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.98	46.66	54.00	-7.34	28.87	12.55	38.62	33.38	206	138	Average	VERTICAL
2	11222.89	59.20	74.00	-14.80	41.41	12.55	38.62	33.38	206	138	Peak	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11438.69	46.71	54.00	-7.29	28.39	12.86	38.83	33.37	233	233	Average	HORIZONTAL
2	11439.53	59.49	74.00	-14.51	41.17	12.86	38.83	33.37	233	233	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11436.61	46.77	54.00	-7.23	28.45	12.86	38.83	33.37	208	218	Average	VERTICAL
2	11443.03	59.62	74.00	-14.38	41.30	12.86	38.83	33.37	208	218	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11436.62	59.85	74.00	-14.15	41.53	12.86	38.83	33.37	231	172	Peak	HORIZONTAL
2	11437.09	46.84	54.00	-7.16	28.52	12.86	38.83	33.37	231	172	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11436.65	60.16	74.00	-13.84	41.84	12.86	38.83	33.37	220	166	Peak	VERTICAL
2	11442.99	46.72	54.00	-7.28	28.40	12.86	38.83	33.37	220	166	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11421.13	60.40	74.00	-13.60	42.14	12.81	38.82	33.37	215	186	Peak	HORIZONTAL
2	11422.20	46.97	54.00	-7.03	28.71	12.81	38.82	33.37	215	186	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11417.59	59.50	74.00	-14.50	41.24	12.81	38.82	33.37	232	195	Peak	VERTICAL
2	11420.12	46.79	54.00	-7.21	28.53	12.81	38.82	33.37	232	195	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 3.89dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11377.50	59.82	74.00	-14.18	41.67	12.75	38.77	33.37	213	163	Peak	HORIZONTAL
2	11382.80	46.86	54.00	-7.14	28.70	12.75	38.78	33.37	213	163	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11377.12	46.80	54.00	-7.20	28.65	12.75	38.77	33.37	204	169	Average	VERTICAL
2	11383.82	59.33	74.00	-14.67	41.17	12.75	38.78	33.37	204	169	Peak	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15776.40	46.52	54.00	-7.48	30.12	12.57	37.76	33.93	180	66	Average	HORIZONTAL
2	15777.92	59.51	74.00	-14.49	43.13	12.57	37.76	33.95	180	66	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.02	59.54	74.00	-14.46	43.16	12.57	37.76	33.95	173	100	Peak	VERTICAL
2	15780.72	46.54	54.00	-7.46	30.16	12.57	37.76	33.95	173	100	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10596.64	43.71	54.00	-10.29	28.78	10.16	38.40	33.63	166	148	Average	HORIZONTAL
2	10598.50	57.15	74.00	-16.85	42.22	10.16	38.40	33.63	166	148	Peak	HORIZONTAL
3	15900.22	60.04	74.00	-13.96	43.95	12.57	37.57	34.05	200	213	Peak	HORIZONTAL
4	15904.30	47.20	54.00	-6.80	31.14	12.57	37.54	34.05	200	213	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10595.92	43.63	54.00	-10.37	28.70	10.16	38.40	33.63	175	222	Average	VERTICAL
2	10599.68	57.14	74.00	-16.86	42.21	10.16	38.40	33.63	175	222	Peak	VERTICAL
3	15895.68	47.20	54.00	-6.80	31.11	12.57	37.57	34.05	202	194	Average	VERTICAL
4	15897.24	60.07	74.00	-13.93	43.98	12.57	37.57	34.05	202	194	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10635.50	43.14	54.00	-10.86	28.13	10.21	38.40	33.60	204	227	Average	HORIZONTAL
2	10638.96	56.07	74.00	-17.93	41.06	10.21	38.40	33.60	204	227	Peak	HORIZONTAL
3	15955.96	47.15	54.00	-6.85	31.26	12.56	37.46	34.13	209	250	Average	HORIZONTAL
4	15960.22	60.14	74.00	-13.86	44.25	12.56	37.46	34.13	209	250	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10636.06	43.03	54.00	-10.97	28.02	10.21	38.40	33.60	207	288	Average	VERTICAL
2	10643.16	55.84	74.00	-18.16	40.83	10.21	38.40	33.60	207	288	Peak	VERTICAL
3	15955.66	47.27	54.00	-6.73	31.35	12.56	37.46	34.10	211	265	Average	VERTICAL
4	15960.72	60.28	74.00	-13.72	44.39	12.56	37.46	34.13	211	265	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10998.64	55.09	74.00	-18.91	39.52	10.55	38.40	33.38	206	249	Peak	HORIZONTAL
2	11003.92	42.02	54.00	-11.98	26.45	10.55	38.40	33.38	206	249	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11004.08	42.16	54.00	-11.84	26.59	10.55	38.40	33.38	209	302	Average	VERTICAL
2	11004.90	55.47	74.00	-18.53	39.88	10.55	38.42	33.38	209	302	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.54	43.67	54.00	-10.33	27.90	10.60	38.55	33.38	205	270	Average	HORIZONTAL
2	11158.66	57.19	74.00	-16.81	41.40	10.60	38.57	33.38	205	270	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.50	56.62	74.00	-17.38	40.85	10.60	38.55	33.38	206	255	Peak	VERTICAL
2	11155.78	43.76	54.00	-10.24	27.99	10.60	38.55	33.38	206	255	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.14	56.35	74.00	-17.65	40.23	10.69	38.80	33.37	200	242	Peak	HORIZONTAL
2	11400.42	42.90	54.00	-11.10	26.78	10.69	38.80	33.37	200	242	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11396.64	55.99	74.00	-18.01	39.87	10.69	38.80	33.37	204	270	Peak	VERTICAL
2	11401.70	43.05	54.00	-10.95	26.93	10.69	38.80	33.37	204	270	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15780.96	46.53	54.00	-7.47	30.15	12.57	37.76	33.95	203	214	Average	HORIZONTAL
2	15781.08	60.35	74.00	-13.65	43.97	12.57	37.76	33.95	203	214	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15778.22	46.59	54.00	-7.41	30.21	12.57	37.76	33.95	207	228	Average	VERTICAL
2	15783.48	59.43	74.00	-14.57	43.08	12.57	37.73	33.95	207	228	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10597.14	43.66	54.00	-10.34	28.73	10.16	38.40	33.63	196	113	Average	HORIZONTAL
2	10602.62	56.29	74.00	-17.71	41.32	10.19	38.40	33.62	196	113	Peak	HORIZONTAL
3	15902.72	59.78	74.00	-14.22	43.72	12.57	37.54	34.05	191	277	Peak	HORIZONTAL
4	15903.96	47.23	54.00	-6.77	31.17	12.57	37.54	34.05	191	277	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10596.76	43.41	54.00	-10.59	28.48	10.16	38.40	33.63	164	118	Average	VERTICAL
2	10598.60	56.33	74.00	-17.67	41.40	10.16	38.40	33.63	164	118	Peak	VERTICAL
3	15901.66	59.99	74.00	-14.01	43.93	12.57	37.54	34.05	191	263	Peak	VERTICAL
4	15902.26	47.20	54.00	-6.80	31.14	12.57	37.54	34.05	191	263	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10640.92	43.22	54.00	-10.78	28.21	10.21	38.40	33.60	191	151	Average	HORIZONTAL
2	10644.10	57.09	74.00	-16.91	42.08	10.21	38.40	33.60	191	151	Peak	HORIZONTAL
3	15960.44	47.23	54.00	-6.77	31.34	12.56	37.46	34.13	189	163	Average	HORIZONTAL
4	15963.24	60.82	74.00	-13.18	44.93	12.56	37.46	34.13	189	163	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.38	43.08	54.00	-10.92	28.07	10.21	38.40	33.60	186	201	Average	VERTICAL
2	10642.22	56.44	74.00	-17.56	41.43	10.21	38.40	33.60	186	201	Peak	VERTICAL
3	15956.36	47.17	54.00	-6.83	31.28	12.56	37.46	34.13	190	178	Average	VERTICAL
4	15964.42	60.25	74.00	-13.75	44.36	12.56	37.46	34.13	190	178	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11000.70	55.56	74.00	-18.44	39.99	10.55	38.40	33.38	175	216	Peak	HORIZONTAL
2	11003.92	42.22	54.00	-11.78	26.65	10.55	38.40	33.38	175	216	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10995.94	42.24	54.00	-11.76	26.67	10.55	38.40	33.38	178	236	Average	VERTICAL
2	10998.38	55.44	74.00	-18.56	39.87	10.55	38.40	33.38	178	236	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.12	43.74	54.00	-10.26	27.97	10.60	38.55	33.38	171	242	Average	HORIZONTAL
2	11156.32	56.65	74.00	-17.35	40.88	10.60	38.55	33.38	171	242	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.12	43.84	54.00	-10.16	28.07	10.60	38.55	33.38	212	260	Average	VERTICAL
2	11160.40	56.30	74.00	-17.70	40.51	10.60	38.57	33.38	212	260	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11396.76	55.80	74.00	-18.20	39.68	10.69	38.80	33.37	212	268	Peak	HORIZONTAL
2	11400.66	42.83	54.00	-11.17	26.71	10.69	38.80	33.37	212	268	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.14	55.98	74.00	-18.02	39.88	10.69	38.78	33.37	214	248	Peak	VERTICAL
2	11399.28	42.99	54.00	-11.01	26.87	10.69	38.80	33.37	214	248	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15811.76	46.21	54.00	-7.79	29.92	12.57	37.70	33.98	205	197	Average	HORIZONTAL
2	15812.66	59.38	74.00	-14.62	43.09	12.57	37.70	33.98	205	197	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15805.74	46.32	54.00	-7.68	30.03	12.57	37.70	33.98	202	182	Average	VERTICAL
2	15808.92	59.39	74.00	-14.61	43.10	12.57	37.70	33.98	202	182	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10615.52	43.68	54.00	-10.32	28.71	10.19	38.40	33.62	205	204	Average	HORIZONTAL
2	10618.88	56.66	74.00	-17.34	41.69	10.19	38.40	33.62	205	204	Peak	HORIZONTAL
3	15927.64	60.97	74.00	-13.03	44.98	12.56	37.51	34.08	202	55	Peak	HORIZONTAL
4	15928.80	47.59	54.00	-6.41	31.60	12.56	37.51	34.08	202	55	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10615.48	43.60	54.00	-10.40	28.63	10.19	38.40	33.62	205	204	Average	VERTICAL
2	10619.58	56.32	74.00	-17.68	41.35	10.19	38.40	33.62	205	204	Peak	VERTICAL
3	15927.26	47.65	54.00	-6.35	31.66	12.56	37.51	34.08	217	101	Average	VERTICAL
4	15932.22	60.68	74.00	-13.32	44.71	12.56	37.51	34.10	217	101	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11015.60	42.56	54.00	-11.44	26.96	10.56	38.42	33.38	219	130	Average	HORIZONTAL
2	11018.72	55.33	74.00	-18.67	39.73	10.56	38.42	33.38	219	130	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11016.38	42.47	54.00	-11.53	26.87	10.56	38.42	33.38	218	139	Average	VERTICAL
2	11017.56	55.47	74.00	-18.53	39.87	10.56	38.42	33.38	218	139	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11015.50	42.35	54.00	-11.65	26.75	10.56	38.42	33.38	190	236	Average	HORIZONTAL
2	11024.54	56.47	74.00	-17.53	40.86	10.56	38.43	33.38	190	236	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11018.32	55.24	74.00	-18.76	39.64	10.56	38.42	33.38	193	218	Peak	VERTICAL
2	11021.30	42.38	54.00	-11.62	26.78	10.56	38.42	33.38	193	218	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11341.16	43.65	54.00	-10.35	27.62	10.67	38.73	33.37	198	197	Average	HORIZONTAL
2	11341.86	56.54	74.00	-17.46	40.51	10.67	38.73	33.37	198	197	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11338.36	56.23	74.00	-17.77	40.21	10.66	38.73	33.37	212	161	Peak	VERTICAL
2	11342.66	43.49	54.00	-10.51	27.46	10.67	38.73	33.37	212	161	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15866.46	46.82	54.00	-7.18	30.66	12.57	37.62	34.03	205	154	Average	HORIZONTAL
2	15866.86	60.32	74.00	-13.68	44.19	12.57	37.59	34.03	205	154	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15865.58	46.93	54.00	-7.07	30.77	12.57	37.62	34.03	207	141	Average	VERTICAL
2	15875.00	59.65	74.00	-14.35	43.52	12.57	37.59	34.03	207	141	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.82	55.44	74.00	-18.56	39.77	10.58	38.47	33.38	210	165	Peak	HORIZONTAL
2	11061.50	42.45	54.00	-11.55	26.78	10.58	38.47	33.38	210	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11062.98	42.53	54.00	-11.47	26.86	10.58	38.47	33.38	214	145	Average	VERTICAL
2	11063.78	55.39	74.00	-18.61	39.72	10.58	38.47	33.38	214	145	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11216.76	56.89	74.00	-17.11	41.02	10.63	38.62	33.38	207	148	Peak	HORIZONTAL
2	11219.52	44.16	54.00	-9.84	28.29	10.63	38.62	33.38	207	148	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11215.54	44.21	54.00	-9.79	28.34	10.63	38.62	33.38	203	171	Average	VERTICAL
2	11221.12	56.83	74.00	-17.17	40.96	10.63	38.62	33.38	203	171	Peak	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.98	42.15	54.00	-11.85	26.00	10.69	38.83	33.37	198	254	Average	HORIZONTAL
2	11444.48	55.27	74.00	-18.73	39.11	10.70	38.83	33.37	198	254	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11438.28	54.73	74.00	-19.27	38.58	10.69	38.83	33.37	199	272	Peak	VERTICAL
2	11442.34	42.30	54.00	-11.70	26.14	10.70	38.83	33.37	199	272	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11440.24	54.81	74.00	-19.19	38.66	10.69	38.83	33.37	196	286	Peak	HORIZONTAL
2	11440.32	42.33	54.00	-11.67	26.18	10.69	38.83	33.37	196	286	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11438.02	42.24	54.00	-11.76	26.09	10.69	38.83	33.37	198	274	Average	VERTICAL
2	11440.10	55.15	74.00	-18.85	39.00	10.69	38.83	33.37	198	274	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11418.12	43.05	54.00	-10.95	26.91	10.69	38.82	33.37	210	164	Average	HORIZONTAL
2	11424.72	55.51	74.00	-18.49	39.37	10.69	38.82	33.37	210	164	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11416.22	55.99	74.00	-18.01	39.85	10.69	38.82	33.37	214	182	Peak	VERTICAL
2	11417.70	42.99	54.00	-11.01	26.85	10.69	38.82	33.37	214	182	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 05, 2015		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.26dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11378.08	56.18	74.00	-17.82	40.10	10.68	38.77	33.37	223	238	Peak	HORIZONTAL
2	11379.18	43.44	54.00	-10.56	27.35	10.68	38.78	33.37	223	238	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.48	56.25	74.00	-17.75	40.16	10.68	38.78	33.37	219	210	Peak	VERTICAL
2	11381.20	43.56	54.00	-10.44	27.47	10.68	38.78	33.37	219	210	Average	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.45	47.78	54.00	-6.22	29.53	14.44	37.76	33.95	187	164	Average	HORIZONTAL
2	15784.72	60.92	74.00	-13.08	42.70	14.44	37.73	33.95	187	164	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15785.33	47.05	54.00	-6.95	28.83	14.44	37.73	33.95	194	169	Average	VERTICAL
2	15787.26	60.90	74.00	-13.10	42.68	14.44	37.73	33.95	194	169	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10597.28	45.20	54.00	-8.80	28.81	11.62	38.40	33.63	211	197	Average	HORIZONTAL
2	10605.90	58.31	74.00	-15.69	41.86	11.67	38.40	33.62	211	197	Peak	HORIZONTAL
3	15893.40	60.59	74.00	-13.41	42.60	14.47	37.57	34.05	218	206	Peak	HORIZONTAL
4	15895.05	48.01	54.00	-5.99	30.02	14.47	37.57	34.05	218	206	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10593.34	58.26	74.00	-15.74	41.87	11.62	38.40	33.63	196	190	Peak	VERTICAL
2	10595.37	45.15	54.00	-8.85	28.76	11.62	38.40	33.63	196	190	Average	VERTICAL
3	15892.21	60.98	74.00	-13.02	42.99	14.47	37.57	34.05	223	203	Peak	VERTICAL
4	15895.60	48.05	54.00	-5.95	30.06	14.47	37.57	34.05	223	203	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10631.11	45.22	54.00	-8.78	28.75	11.67	38.40	33.60	206	186	Average	HORIZONTAL
2	10645.90	58.59	74.00	-15.41	42.07	11.72	38.40	33.60	206	186	Peak	HORIZONTAL
3	15950.33	60.67	74.00	-13.33	42.80	14.49	37.48	34.10	198	176	Peak	HORIZONTAL
4	15965.12	47.98	54.00	-6.02	30.16	14.49	37.46	34.13	198	176	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10640.96	45.34	54.00	-8.66	28.82	11.72	38.40	33.60	214	175	Average	VERTICAL
2	10646.05	58.50	74.00	-15.50	41.98	11.72	38.40	33.60	214	175	Peak	VERTICAL
3	15955.89	60.93	74.00	-13.07	43.11	14.49	37.46	34.13	206	182	Peak	VERTICAL
4	15969.61	47.78	54.00	-6.22	29.99	14.49	37.43	34.13	206	182	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10991.58	45.56	54.00	-8.44	28.35	12.19	38.40	33.38	233	160	Average	HORIZONTAL
2	10991.58	57.32	74.00	-16.68	40.11	12.19	38.40	33.38	233	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10997.51	45.63	54.00	-8.37	28.37	12.24	38.40	33.38	224	168	Average	VERTICAL
2	11004.49	58.77	74.00	-15.23	41.51	12.24	38.40	33.38	224	168	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11157.39	59.46	74.00	-14.54	41.85	12.44	38.55	33.38	226	152	Peak	HORIZONTAL
2	11161.48	45.88	54.00	-8.12	28.25	12.44	38.57	33.38	226	152	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11163.59	58.75	74.00	-15.25	41.12	12.44	38.57	33.38	218	147	Peak	VERTICAL
2	11164.63	45.82	54.00	-8.18	28.19	12.44	38.57	33.38	218	147	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11402.61	59.69	74.00	-14.31	41.45	12.81	38.80	33.37	162	156	Peak	HORIZONTAL
2	11403.42	46.84	54.00	-7.16	28.60	12.81	38.80	33.37	162	156	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11390.48	60.69	74.00	-13.31	42.53	12.75	38.78	33.37	206	175	Peak	VERTICAL
2	11393.63	46.78	54.00	-7.22	28.62	12.75	38.78	33.37	206	175	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15772.21	47.79	54.00	-6.21	29.52	14.44	37.76	33.93	207	157	Average	HORIZONTAL
2	15779.74	61.40	74.00	-12.60	43.15	14.44	37.76	33.95	207	157	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.36	61.22	74.00	-12.78	42.97	14.44	37.76	33.95	198	150	Peak	VERTICAL
2	15784.98	47.89	54.00	-6.11	29.67	14.44	37.73	33.95	198	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10605.18	45.16	54.00	-8.84	28.71	11.67	38.40	33.62	236	133	Average	HORIZONTAL
2	10609.67	57.74	74.00	-16.26	41.29	11.67	38.40	33.62	236	133	Peak	HORIZONTAL
3	15893.43	48.07	54.00	-5.93	30.08	14.47	37.57	34.05	230	125	Average	HORIZONTAL
4	15909.32	61.21	74.00	-12.79	43.28	14.47	37.54	34.08	230	125	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10591.72	58.19	74.00	-15.81	41.80	11.62	38.40	33.63	211	138	Peak	VERTICAL
2	10592.30	45.08	54.00	-8.92	28.69	11.62	38.40	33.63	211	138	Average	VERTICAL
3	15891.32	61.30	74.00	-12.70	43.31	14.47	37.57	34.05	218	119	Peak	VERTICAL
4	15899.28	48.05	54.00	-5.95	30.06	14.47	37.57	34.05	218	119	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10647.67	45.15	54.00	-8.85	28.63	11.72	38.40	33.60	223	129	Average	HORIZONTAL
2	10648.19	58.50	74.00	-15.50	41.98	11.72	38.40	33.60	223	129	Peak	HORIZONTAL
3	15961.79	47.80	54.00	-6.20	29.98	14.49	37.46	34.13	211	121	Average	HORIZONTAL
4	15963.47	60.85	74.00	-13.15	43.03	14.49	37.46	34.13	211	121	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10641.65	58.92	74.00	-15.08	42.40	11.72	38.40	33.60	215	102	Peak	VERTICAL
2	10649.06	45.22	54.00	-8.78	28.70	11.72	38.40	33.60	215	102	Average	VERTICAL
3	15958.12	61.31	74.00	-12.69	43.49	14.49	37.46	34.13	221	111	Peak	VERTICAL
4	15963.30	47.83	54.00	-6.17	30.01	14.49	37.46	34.13	221	111	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10990.48	45.59	54.00	-8.41	28.38	12.19	38.40	33.38	217	105	Average	HORIZONTAL
2	11001.10	58.26	74.00	-15.74	41.00	12.24	38.40	33.38	217	105	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10990.07	45.64	54.00	-8.36	28.43	12.19	38.40	33.38	209	116	Average	VERTICAL
2	11006.60	58.27	74.00	-15.73	40.99	12.24	38.42	33.38	209	116	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11153.34	59.28	74.00	-14.72	41.67	12.44	38.55	33.38	210	96	Peak	HORIZONTAL
2	11155.40	45.74	54.00	-8.26	28.13	12.44	38.55	33.38	210	96	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11157.08	45.86	54.00	-8.14	28.25	12.44	38.55	33.38	191	83	Average	VERTICAL
2	11159.68	59.40	74.00	-14.60	41.77	12.44	38.57	33.38	191	83	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11401.79	59.58	74.00	-14.42	41.34	12.81	38.80	33.37	192	70	Peak	HORIZONTAL
2	11403.79	46.79	54.00	-7.21	28.55	12.81	38.80	33.37	192	70	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11390.68	59.45	74.00	-14.55	41.29	12.75	38.78	33.37	181	54	Peak	VERTICAL
2	11408.45	46.84	54.00	-7.16	28.60	12.81	38.80	33.37	181	54	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15816.34	60.78	74.00	-13.22	42.63	14.45	37.68	33.98	218	131	Peak	HORIZONTAL
2	15817.99	47.62	54.00	-6.38	29.47	14.45	37.68	33.98	218	131	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.07	47.86	54.00	-6.14	29.70	14.44	37.70	33.98	207	125	Average	VERTICAL
2	15817.96	60.63	74.00	-13.37	42.48	14.45	37.68	33.98	207	125	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10610.88	57.93	74.00	-16.07	41.48	11.67	38.40	33.62	208	147	Peak	HORIZONTAL
2	10620.14	45.35	54.00	-8.65	28.90	11.67	38.40	33.62	208	147	Average	HORIZONTAL
3	15923.75	47.71	54.00	-6.29	29.79	14.49	37.51	34.08	188	136	Average	HORIZONTAL
4	15928.64	61.13	74.00	-12.87	43.21	14.49	37.51	34.08	188	136	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.80	57.80	74.00	-16.20	41.35	11.67	38.40	33.62	215	138	Peak	VERTICAL
2	10624.25	45.24	54.00	-8.76	28.79	11.67	38.40	33.62	215	138	Average	VERTICAL
3	15924.53	60.46	74.00	-13.54	42.54	14.49	37.51	34.08	208	144	Peak	VERTICAL
4	15929.77	47.93	54.00	-6.07	30.01	14.49	37.51	34.08	208	144	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11012.45	45.55	54.00	-8.45	28.27	12.24	38.42	33.38	182	133	Average	HORIZONTAL
2	11013.55	58.34	74.00	-15.66	41.06	12.24	38.42	33.38	182	133	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11010.77	45.57	54.00	-8.43	28.29	12.24	38.42	33.38	188	136	Average	VERTICAL
2	11010.97	57.71	74.00	-16.29	40.43	12.24	38.42	33.38	188	136	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11092.74	46.06	54.00	-7.94	28.60	12.34	38.50	33.38	210	161	Average	HORIZONTAL
2	11104.92	59.12	74.00	-14.88	41.61	12.39	38.50	33.38	210	161	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11090.28	45.90	54.00	-8.10	28.44	12.34	38.50	33.38	196	150	Average	VERTICAL
2	11097.83	58.72	74.00	-15.28	41.26	12.34	38.50	33.38	196	150	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11331.63	60.32	74.00	-13.68	42.26	12.70	38.73	33.37	201	154	Peak	HORIZONTAL
2	11333.86	47.03	54.00	-6.97	28.97	12.70	38.73	33.37	201	154	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11336.90	47.04	54.00	-6.96	28.98	12.70	38.73	33.37	209	160	Average	VERTICAL
2	11336.93	60.45	74.00	-13.55	42.39	12.70	38.73	33.37	209	160	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15870.96	48.29	54.00	-5.71	30.26	14.47	37.59	34.03	204	157	Average	HORIZONTAL
2	15874.03	61.70	74.00	-12.30	43.67	14.47	37.59	34.03	204	157	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15867.98	48.30	54.00	-5.70	30.27	14.47	37.59	34.03	219	169	Average	VERTICAL
2	15870.87	61.75	74.00	-12.25	43.72	14.47	37.59	34.03	219	169	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.08	45.85	54.00	-8.15	28.47	12.29	38.47	33.38	197	154	Average	HORIZONTAL
2	11062.27	59.55	74.00	-14.45	42.17	12.29	38.47	33.38	197	154	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11056.17	59.01	74.00	-14.99	41.63	12.29	38.47	33.38	228	131	Peak	VERTICAL
2	11061.01	45.88	54.00	-8.12	28.50	12.29	38.47	33.38	228	131	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11218.74	46.51	54.00	-7.49	28.72	12.55	38.62	33.38	235	112	Average	HORIZONTAL
2	11222.48	60.08	74.00	-13.92	42.29	12.55	38.62	33.38	235	112	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11218.19	46.55	54.00	-7.45	28.76	12.55	38.62	33.38	245	122	Average	VERTICAL
2	11219.23	59.64	74.00	-14.36	41.85	12.55	38.62	33.38	245	122	Peak	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11436.64	46.67	54.00	-7.33	28.35	12.86	38.83	33.37	184	132	Average	HORIZONTAL
2	11445.21	59.44	74.00	-14.56	41.12	12.86	38.83	33.37	184	132	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11435.57	46.80	54.00	-7.20	28.48	12.86	38.83	33.37	190	141	Average	VERTICAL
2	11435.57	58.72	74.00	-15.28	40.40	12.86	38.83	33.37	190	141	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11430.36	46.64	54.00	-7.36	28.37	12.81	38.83	33.37	213	83	Average	HORIZONTAL
2	11436.27	59.60	74.00	-14.40	41.28	12.86	38.83	33.37	213	83	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11431.90	46.60	54.00	-7.40	28.33	12.81	38.83	33.37	193	117	Average	VERTICAL
2	11447.79	59.42	74.00	-14.58	41.08	12.86	38.85	33.37	193	117	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11410.36	48.22	54.00	-5.78	29.98	12.81	38.80	33.37	180	174	Average	HORIZONTAL
2	11418.90	60.01	74.00	-13.99	41.75	12.81	38.82	33.37	180	174	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11424.37	46.92	54.00	-7.08	28.66	12.81	38.82	33.37	201	183	Average	VERTICAL
2	11428.74	59.95	74.00	-14.05	41.69	12.81	38.82	33.37	201	183	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 09, 2015		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1: 6.8dBi, Chain 2: 6.7dBi, Chain 3: 6.6dBi, Chain 4: 5.9dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11382.08	46.97	54.00	-7.03	28.81	12.75	38.78	33.37	227	101	Average	HORIZONTAL
2	11383.72	60.18	74.00	-13.82	42.02	12.75	38.78	33.37	227	101	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11375.05	46.27	54.00	-7.73	28.12	12.75	38.77	33.37	220	94	Average	VERTICAL
2	11376.52	59.79	74.00	-14.21	41.64	12.75	38.77	33.37	220	94	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 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

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

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

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

4.6.2. Measuring Instruments and Setting

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

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

4.6.3. Test Procedures

1. The test procedure is the same as section 4.5.3.

4.6.4. Test Setup Layout

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

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

For Non-Beamforming Mode

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5252.76	101.86			93.67	7.35	33.90	33.06	202	318	Average	VERTICAL
2	5261.74	112.03			103.82	7.34	33.93	33.06	202	318	Peak	VERTICAL
3	5350.00	48.69	54.00	-5.31	40.39	7.30	34.06	33.06	202	318	Average	VERTICAL
4	5350.29	59.75	74.00	-14.25	51.45	7.30	34.06	33.06	202	318	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.84	103.27			95.02	7.33	33.98	33.06	202	317	Average	VERTICAL
2	5298.26	113.11			104.87	7.32	33.98	33.06	202	317	Peak	VERTICAL
3	5350.00	48.47	54.00	-5.53	40.17	7.30	34.06	33.06	202	317	Average	VERTICAL
4	5350.22	60.85	74.00	-13.15	52.55	7.30	34.06	33.06	202	317	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.63	101.22			92.95	7.32	34.01	33.06	202	307	Average	VERTICAL
2	5317.97	113.05			104.78	7.32	34.01	33.06	202	307	Peak	VERTICAL
3	5350.00	51.94	54.00	-2.06	43.64	7.30	34.06	33.06	202	307	Average	VERTICAL
4	5350.43	69.53	74.00	-4.47	61.23	7.30	34.06	33.06	202	307	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.57	61.69	74.00	-12.31	53.15	7.38	34.22	33.06	202	308	Peak	VERTICAL
2	5460.00	48.50	54.00	-5.50	39.96	7.38	34.22	33.06	202	308	Average	VERTICAL
3	5469.71	68.76	74.00	-5.24	60.16	7.41	34.25	33.06	202	308	Peak	VERTICAL
4	5470.00	51.79	54.00	-2.21	43.19	7.41	34.25	33.06	202	308	Average	VERTICAL
5	5493.49	102.16			93.51	7.44	34.27	33.06	202	308	Average	VERTICAL
6	5497.97	114.34			105.66	7.44	34.30	33.06	202	308	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5426.44	49.91	54.00	-4.09	41.49	7.31	34.17	33.06	202	319	Average	VERTICAL
2	5426.95	60.59	74.00	-13.41	52.17	7.31	34.17	33.06	202	319	Peak	VERTICAL
3	5468.99	58.06	74.00	-15.94	49.49	7.38	34.25	33.06	202	319	Peak	VERTICAL
4	5470.00	47.91	54.00	-6.09	39.31	7.41	34.25	33.06	202	319	Average	VERTICAL
5	5586.08	112.52			103.65	7.61	34.35	33.09	202	319	Peak	VERTICAL
6	5586.58	103.01			94.14	7.61	34.35	33.09	202	319	Average	VERTICAL
7	5733.61	48.27	54.00	-5.73	39.61	7.37	34.43	33.14	202	319	Average	VERTICAL
8	5735.64	61.13	74.00	-12.87	52.46	7.37	34.44	33.14	202	319	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.83	109.23			100.50	7.44	34.41	33.12	202	341	Peak	VERTICAL
2	5701.16	97.20			88.46	7.44	34.42	33.12	202	341	Average	VERTICAL
3	5725.00	52.98	54.00	-1.02	44.27	7.41	34.43	33.13	202	341	Average	VERTICAL
4	5725.43	69.00	74.00	-5.00	60.29	7.41	34.43	33.13	202	341	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5252.19	110.93			102.74	7.35	33.90	33.06	202	312	Peak	VERTICAL
2	5261.74	101.54			93.33	7.34	33.93	33.06	202	312	Average	VERTICAL
3	5350.00	47.07	54.00	-6.93	38.77	7.30	34.06	33.06	202	312	Average	VERTICAL
4	5350.29	58.17	74.00	-15.83	49.87	7.30	34.06	33.06	202	312	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.84	112.39			104.14	7.33	33.98	33.06	202	317	Peak	VERTICAL
2	5293.49	101.67			93.43	7.32	33.98	33.06	202	317	Average	VERTICAL
3	5350.00	47.67	54.00	-6.33	39.37	7.30	34.06	33.06	202	317	Average	VERTICAL
4	5350.00	61.43	74.00	-12.57	53.13	7.30	34.06	33.06	202	317	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.76	111.80			103.53	7.32	34.01	33.06	202	307	Peak	VERTICAL
2	5313.34	100.48			92.21	7.32	34.01	33.06	202	307	Average	VERTICAL
3	5350.00	52.81	54.00	-1.19	44.51	7.30	34.06	33.06	202	307	Average	VERTICAL
4	5350.87	70.62	74.00	-3.38	62.32	7.30	34.06	33.06	202	307	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.70	60.85	74.00	-13.15	52.31	7.38	34.22	33.06	202	307	Peak	VERTICAL
2	5460.00	48.69	54.00	-5.31	40.15	7.38	34.22	33.06	202	307	Average	VERTICAL
3	5469.28	68.36	74.00	-5.64	59.79	7.38	34.25	33.06	202	307	Peak	VERTICAL
4	5470.00	52.54	54.00	-1.46	43.94	7.41	34.25	33.06	202	307	Average	VERTICAL
5	5494.50	102.52			93.87	7.44	34.27	33.06	202	307	Average	VERTICAL
6	5497.11	113.33			104.65	7.44	34.30	33.06	202	307	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5427.08	61.14	74.00	-12.86	52.72	7.31	34.17	33.06	202	316	Peak	VERTICAL
2	5428.60	49.69	54.00	-4.31	41.25	7.31	34.19	33.06	202	316	Average	VERTICAL
3	5470.00	47.89	54.00	-6.11	39.29	7.41	34.25	33.06	202	316	Average	VERTICAL
4	5470.00	59.19	74.00	-14.81	50.59	7.41	34.25	33.06	202	316	Peak	VERTICAL
5	5586.58	103.14			94.27	7.61	34.35	33.09	202	316	Average	VERTICAL
6	5587.09	113.12			104.25	7.61	34.35	33.09	202	316	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.20	108.70			99.97	7.44	34.41	33.12	202	313	Peak	VERTICAL
2	5693.49	97.61			88.88	7.44	34.41	33.12	202	313	Average	VERTICAL
3	5725.00	52.57	54.00	-1.43	43.86	7.41	34.43	33.13	202	313	Average	VERTICAL
4	5728.62	66.95	74.00	-7.05	58.28	7.37	34.43	33.13	202	313	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5254.95	97.97			89.78	7.35	33.90	33.06	202	320	Average	VERTICAL
2	5260.74	109.93			101.72	7.34	33.93	33.06	202	320	Peak	VERTICAL
3	5350.00	48.15	54.00	-5.85	39.85	7.30	34.06	33.06	202	320	Average	VERTICAL
4	5351.16	62.20	74.00	-11.80	53.90	7.30	34.06	33.06	202	320	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.95	94.69			86.45	7.32	33.98	33.06	202	318	Average	VERTICAL
2	5299.29	104.87			96.63	7.32	33.98	33.06	202	318	Peak	VERTICAL
3	5350.00	52.41	54.00	-1.59	44.11	7.30	34.06	33.06	202	318	Average	VERTICAL
4	5352.03	66.32	74.00	-7.68	58.02	7.30	34.06	33.06	202	318	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.79	60.62	74.00	-13.38	52.08	7.38	34.22	33.06	202	311	Peak	VERTICAL
2	5458.26	49.18	54.00	-4.82	40.64	7.38	34.22	33.06	202	311	Average	VERTICAL
3	5469.71	71.59	74.00	-2.41	62.99	7.41	34.25	33.06	202	311	Peak	VERTICAL
4	5470.00	52.40	54.00	-1.60	43.80	7.41	34.25	33.06	202	311	Average	VERTICAL
5	5519.26	110.42			101.70	7.48	34.31	33.07	202	311	Peak	VERTICAL
6	5522.74	98.46			89.74	7.48	34.31	33.07	202	311	Average	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.13	63.98	74.00	-10.02	55.44	7.38	34.22	33.06	202	312	Peak	VERTICAL
2	5460.00	49.35	54.00	-4.65	40.81	7.38	34.22	33.06	202	312	Average	VERTICAL
3	5468.84	64.31	74.00	-9.69	55.74	7.38	34.25	33.06	202	312	Peak	VERTICAL
4	5470.00	50.97	54.00	-3.03	42.37	7.41	34.25	33.06	202	312	Average	VERTICAL
5	5545.95	113.33			104.55	7.54	34.32	33.08	202	312	Peak	VERTICAL
6	5553.76	102.10			93.31	7.54	34.33	33.08	202	312	Average	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5652.63	96.35			87.55	7.52	34.39	33.11	202	312	Average	VERTICAL
2	5653.07	106.86			98.06	7.52	34.39	33.11	202	312	Peak	VERTICAL
3	5725.00	52.36	54.00	-1.64	43.65	7.41	34.43	33.13	202	312	Average	VERTICAL
4	5726.30	67.37	74.00	-6.63	58.66	7.41	34.43	33.13	202	312	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5261.35	89.18			80.97	7.34	33.93	33.06	202	315	Average	VERTICAL
2	5300.71	102.69			94.45	7.32	33.98	33.06	202	315	Peak	VERTICAL
3	5350.00	52.44	54.00	-1.56	44.14	7.30	34.06	33.06	202	315	Average	VERTICAL
4	5350.87	66.69	74.00	-7.31	58.39	7.30	34.06	33.06	202	315	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5437.42	67.60	74.00	-6.40	59.12	7.35	34.19	33.06	202	314	Peak	VERTICAL
2	5460.00	51.38	54.00	-2.62	42.84	7.38	34.22	33.06	202	314	Average	VERTICAL
3	5468.26	64.92	74.00	-9.08	56.35	7.38	34.25	33.06	202	314	Peak	VERTICAL
4	5470.00	52.99	54.00	-1.01	44.39	7.41	34.25	33.06	202	314	Average	VERTICAL
5	5518.71	94.06			85.34	7.48	34.31	33.07	202	314	Average	VERTICAL
6	5555.62	106.76			97.97	7.54	34.33	33.08	202	314	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5581.64	106.22			97.35	7.61	34.35	33.09	202	315	Peak	VERTICAL
2	5599.00	95.05			86.14	7.64	34.36	33.09	202	315	Average	VERTICAL
3	5728.47	67.48	74.00	-6.52	58.81	7.37	34.43	33.13	202	315	Peak	VERTICAL
4	5733.68	52.44	54.00	-1.56	43.78	7.37	34.43	33.14	202	315	Average	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5723.62	109.41			100.70	7.41	34.43	33.13	213	224	Peak	VERTICAL
2	5727.24	100.10			91.43	7.37	34.43	33.13	213	224	Average	VERTICAL
3	5870.98	62.16	68.20	-6.04	53.17	7.64	34.53	33.18	213	224	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.89	108.67			99.96	7.41	34.43	33.13	221	227	Peak	VERTICAL
2	5726.51	99.75			91.08	7.37	34.43	33.13	221	227	Average	VERTICAL
3	5881.11	62.14	68.20	-6.06	53.05	7.74	34.53	33.18	221	227	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5721.58	106.89			98.18	7.41	34.43	33.13	221	227	Peak	VERTICAL
2	5723.75	96.93			88.22	7.41	34.43	33.13	221	227	Average	VERTICAL
3	5870.26	61.68	68.20	-6.52	52.70	7.64	34.52	33.18	221	227	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 1TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.33	102.88			94.18	7.41	34.42	33.13	229	200	Peak	VERTICAL
2	5718.94	93.04			84.33	7.41	34.43	33.13	229	200	Average	VERTICAL
3	5855.79	62.52	68.20	-5.68	53.63	7.54	34.52	33.17	229	200	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.03	107.23			99.02	7.34	33.93	33.06	202	195	Average	VERTICAL
2	5262.32	118.32			110.11	7.34	33.93	33.06	202	195	Peak	VERTICAL
3	5350.00	48.39	54.00	-5.61	40.09	7.30	34.06	33.06	202	195	Average	VERTICAL
4	5351.74	59.58	74.00	-14.42	51.28	7.30	34.06	33.06	202	195	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5301.95	106.90			98.66	7.32	33.98	33.06	202	198	Average	VERTICAL
2	5302.17	117.46			109.22	7.32	33.98	33.06	202	198	Peak	VERTICAL
3	5350.00	49.21	54.00	-4.79	40.91	7.30	34.06	33.06	202	198	Average	VERTICAL
4	5351.74	61.83	74.00	-12.17	53.53	7.30	34.06	33.06	202	198	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.47	107.43			99.16	7.32	34.01	33.06	202	224	Average	VERTICAL
2	5322.46	118.74			110.47	7.32	34.01	33.06	202	224	Peak	VERTICAL
3	5352.75	52.80	54.00	-1.20	44.50	7.30	34.06	33.06	202	224	Average	VERTICAL
4	5353.62	69.56	74.00	-4.44	61.26	7.30	34.06	33.06	202	224	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5453.63	50.52	54.00	-3.48	41.98	7.38	34.22	33.06	202	226	Average	VERTICAL
2	5453.78	63.31	74.00	-10.69	54.77	7.38	34.22	33.06	202	226	Peak	VERTICAL
3	5463.49	50.72	54.00	-3.28	42.15	7.38	34.25	33.06	202	226	Average	VERTICAL
4	5464.65	67.77	74.00	-6.23	59.20	7.38	34.25	33.06	202	226	Peak	VERTICAL
5	5493.20	107.23			98.58	7.44	34.27	33.06	202	226	Average	VERTICAL
6	5502.75	118.02			109.35	7.44	34.30	33.07	202	226	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5582.53	107.78			98.91	7.61	34.35	33.09	202	193	Average	VERTICAL
2	5582.53	117.15			108.28	7.61	34.35	33.09	202	193	Peak	VERTICAL
3	5732.60	51.15	54.00	-2.85	42.49	7.37	34.43	33.14	202	193	Average	VERTICAL
4	5742.22	62.39	74.00	-11.61	53.72	7.37	34.44	33.14	202	193	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.62	103.27			94.54	7.44	34.41	33.12	202	220	Average	VERTICAL
2	5702.46	114.47			105.73	7.44	34.42	33.12	202	220	Peak	VERTICAL
3	5724.86	52.60	54.00	-1.40	43.89	7.41	34.43	33.13	202	220	Average	VERTICAL
4	5732.67	70.32	74.00	-3.68	61.66	7.37	34.43	33.14	202	220	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5257.97	113.48			105.29	7.35	33.90	33.06	202	221	Peak	VERTICAL
2	5258.55	102.91			94.69	7.35	33.93	33.06	202	221	Average	VERTICAL
3	5350.00	47.87	54.00	-6.13	39.57	7.30	34.06	33.06	202	221	Average	VERTICAL
4	5350.00	59.97	74.00	-14.03	51.67	7.30	34.06	33.06	202	221	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5293.27	102.95			94.71	7.32	33.98	33.06	202	223	Average	VERTICAL
2	5296.09	113.79			105.55	7.32	33.98	33.06	202	223	Peak	VERTICAL
3	5350.00	48.04	54.00	-5.96	39.74	7.30	34.06	33.06	202	223	Average	VERTICAL
4	5357.81	60.38	74.00	-13.62	52.08	7.30	34.06	33.06	202	223	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5326.51	113.36			105.07	7.32	34.03	33.06	202	222	Peak	VERTICAL
2	5328.39	103.03			94.75	7.31	34.03	33.06	202	222	Average	VERTICAL
3	5350.87	51.09	54.00	-2.91	42.79	7.30	34.06	33.06	202	222	Average	VERTICAL
4	5351.45	65.54	74.00	-8.46	57.24	7.30	34.06	33.06	202	222	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.71	62.17	74.00	-11.83	53.63	7.38	34.22	33.06	202	168	Peak	VERTICAL
2	5460.00	50.40	54.00	-3.60	41.86	7.38	34.22	33.06	202	168	Average	VERTICAL
3	5467.97	70.13	74.00	-3.87	61.56	7.38	34.25	33.06	202	168	Peak	VERTICAL
4	5470.00	52.87	54.00	-1.13	44.27	7.41	34.25	33.06	202	168	Average	VERTICAL
5	5507.81	104.81			96.10	7.48	34.30	33.07	202	168	Average	VERTICAL
6	5508.10	115.52			106.81	7.48	34.30	33.07	202	168	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5581.01	114.55			105.69	7.61	34.34	33.09	202	193	Peak	VERTICAL
2	5588.10	105.10			96.23	7.61	34.35	33.09	202	193	Average	VERTICAL
3	5733.61	49.72	54.00	-4.28	41.06	7.37	34.43	33.14	202	193	Average	VERTICAL
4	5744.25	62.18	74.00	-11.82	53.51	7.37	34.44	33.14	202	193	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.96	112.15			103.42	7.44	34.41	33.12	202	182	Peak	VERTICAL
2	5699.13	100.60			91.87	7.44	34.41	33.12	202	182	Average	VERTICAL
3	5725.00	69.59	74.00	-4.41	60.88	7.41	34.43	33.13	202	182	Peak	VERTICAL
4	5726.45	52.90	54.00	-1.10	44.23	7.37	34.43	33.13	202	182	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5273.18	99.70			91.49	7.34	33.93	33.06	202	190	Average	VERTICAL
2	5273.47	110.08			101.87	7.34	33.93	33.06	202	190	Peak	VERTICAL
3	5350.00	48.13	54.00	-5.87	39.83	7.30	34.06	33.06	202	190	Average	VERTICAL
4	5350.00	60.44	74.00	-13.56	52.14	7.30	34.06	33.06	202	190	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.26	107.07			98.80	7.32	34.01	33.06	202	194	Peak	VERTICAL
2	5315.64	95.94			87.67	7.32	34.01	33.06	202	194	Average	VERTICAL
3	5350.22	52.82	54.00	-1.18	44.52	7.30	34.06	33.06	202	194	Average	VERTICAL
4	5352.39	66.01	74.00	-7.99	57.71	7.30	34.06	33.06	202	194	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.71	49.57	54.00	-4.43	41.03	7.38	34.22	33.06	202	233	Average	VERTICAL
2	5459.71	61.75	74.00	-12.25	53.21	7.38	34.22	33.06	202	233	Peak	VERTICAL
3	5467.40	72.34	74.00	-1.66	63.77	7.38	34.25	33.06	202	233	Peak	VERTICAL
4	5470.00	52.47	54.00	-1.53	43.87	7.41	34.25	33.06	202	233	Average	VERTICAL
5	5514.92	110.27			101.55	7.48	34.31	33.07	202	233	Peak	VERTICAL
6	5515.21	99.35			90.63	7.48	34.31	33.07	202	233	Average	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5449.00	62.47	74.00	-11.53	53.96	7.35	34.22	33.06	202	197	Peak	VERTICAL
2	5457.68	49.78	54.00	-4.22	41.24	7.38	34.22	33.06	202	197	Average	VERTICAL
3	5469.42	62.48	74.00	-11.52	53.91	7.38	34.25	33.06	202	197	Peak	VERTICAL
4	5470.00	49.52	54.00	-4.48	40.92	7.41	34.25	33.06	202	197	Average	VERTICAL
5	5535.53	102.92			94.17	7.51	34.32	33.08	202	197	Average	VERTICAL
6	5537.84	112.63			103.88	7.51	34.32	33.08	202	197	Peak	VERTICAL
7	5726.16	60.66	74.00	-13.34	51.95	7.41	34.43	33.13	202	197	Peak	VERTICAL
8	5727.89	49.17	54.00	-4.83	40.50	7.37	34.43	33.13	202	197	Average	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5680.71	108.31			99.55	7.48	34.40	33.12	202	224	Peak	VERTICAL
2	5685.34	96.95			88.18	7.48	34.41	33.12	202	224	Average	VERTICAL
3	5725.58	52.25	54.00	-1.75	43.54	7.41	34.43	33.13	202	224	Average	VERTICAL
4	5725.58	66.36	74.00	-7.64	57.65	7.41	34.43	33.13	202	224	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5278.28	103.99			95.77	7.33	33.95	33.06	202	222	Peak	VERTICAL
2	5285.66	92.29			84.07	7.33	33.95	33.06	202	222	Average	VERTICAL
3	5350.87	52.64	54.00	-1.36	44.34	7.30	34.06	33.06	202	222	Average	VERTICAL
4	5351.74	63.89	74.00	-10.11	55.59	7.30	34.06	33.06	202	222	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.24	64.90	74.00	-9.10	56.36	7.38	34.22	33.06	202	223	Peak	VERTICAL
2	5457.97	52.60	54.00	-1.40	44.06	7.38	34.22	33.06	202	223	Average	VERTICAL
3	5460.58	52.47	54.00	-1.53	43.93	7.38	34.22	33.06	202	223	Average	VERTICAL
4	5463.63	68.10	74.00	-5.90	59.53	7.38	34.25	33.06	202	223	Peak	VERTICAL
5	5543.02	96.64			87.86	7.54	34.32	33.08	202	223	Average	VERTICAL
6	5555.18	107.25			98.46	7.54	34.33	33.08	202	223	Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5585.25	96.18			87.31	7.61	34.35	33.09	202	225	Average	VERTICAL
2	5585.69	106.80			97.93	7.61	34.35	33.09	202	225	Peak	VERTICAL
3	5725.43	52.90	54.00	-1.10	44.19	7.41	34.43	33.13	202	225	Average	VERTICAL
4	5727.17	66.35	74.00	-7.65	57.68	7.37	34.43	33.13	202	225	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.38	104.85			96.15	7.41	34.42	33.13	229	191	Average	VERTICAL
2	5716.38	113.87			105.17	7.41	34.42	33.13	229	191	Peak	VERTICAL
3	5876.05	62.50	68.20	-5.70	53.51	7.64	34.53	33.18	229	191	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.76	103.37			94.67	7.41	34.42	33.13	220	193	Average	VERTICAL
2	5715.66	113.30			104.60	7.41	34.42	33.13	220	193	Peak	VERTICAL
3	5855.79	61.65	68.20	-6.55	52.76	7.54	34.52	33.17	220	193	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.62	109.05			100.35	7.41	34.42	33.13	226	191	Peak	VERTICAL
2	5715.79	99.90			91.20	7.41	34.42	33.13	226	191	Average	VERTICAL
3	5853.62	61.71	68.20	-6.49	52.82	7.54	34.52	33.17	226	191	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5679.15	107.44			98.68	7.48	34.40	33.12	222	192	Peak	VERTICAL
2	5718.22	96.44			87.73	7.41	34.43	33.13	222	192	Average	VERTICAL
3	5863.02	63.63	68.20	-4.57	54.65	7.64	34.52	33.18	222	192	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.03	117.55			109.34	7.34	33.93	33.06	202	226	Peak	VERTICAL
2	5262.60	107.49			99.28	7.34	33.93	33.06	202	226	Average	VERTICAL
3	5350.00	48.37	54.00	-5.63	40.07	7.30	34.06	33.06	202	226	Average	VERTICAL
4	5350.87	59.91	74.00	-14.09	51.61	7.30	34.06	33.06	202	226	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5295.01	117.73			109.49	7.32	33.98	33.06	202	319	Peak	VERTICAL
2	5304.99	107.46			99.22	7.32	33.98	33.06	202	319	Average	VERTICAL
3	5350.00	49.28	54.00	-4.72	40.98	7.30	34.06	33.06	202	319	Average	VERTICAL
4	5354.99	62.86	74.00	-11.14	54.56	7.30	34.06	33.06	202	319	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5314.79	107.21			98.94	7.32	34.01	33.06	202	320	Average	VERTICAL
2	5314.93	117.45			109.18	7.32	34.01	33.06	202	320	Peak	VERTICAL
3	5354.92	51.48	54.00	-2.52	43.18	7.30	34.06	33.06	202	320	Average	VERTICAL
4	5355.07	65.40	74.00	-8.60	57.10	7.30	34.06	33.06	202	320	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	50.61	54.00	-3.39	42.07	7.38	34.22	33.06	202	311	Average	VERTICAL
2	5460.00	63.95	74.00	-10.05	55.41	7.38	34.22	33.06	202	311	Peak	VERTICAL
3	5469.42	70.20	74.00	-3.80	61.63	7.38	34.25	33.06	202	311	Peak	VERTICAL
4	5470.00	52.34	54.00	-1.66	43.74	7.41	34.25	33.06	202	311	Average	VERTICAL
5	5499.28	116.96			108.28	7.44	34.30	33.06	202	311	Peak	VERTICAL
6	5499.42	105.83			97.15	7.44	34.30	33.06	202	311	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5579.49	108.83			99.97	7.61	34.34	33.09	202	309	Average	VERTICAL
2	5579.49	118.70			109.84	7.61	34.34	33.09	202	309	Peak	VERTICAL
3	5740.70	52.02	54.00	-1.98	43.35	7.37	34.44	33.14	202	309	Average	VERTICAL
4	5741.21	63.28	74.00	-10.72	54.61	7.37	34.44	33.14	202	309	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.42	115.61			106.88	7.44	34.41	33.12	202	309	Peak	VERTICAL
2	5700.58	104.58			95.84	7.44	34.42	33.12	202	309	Average	VERTICAL
3	5729.49	52.77	54.00	-1.23	44.10	7.37	34.43	33.13	202	309	Average	VERTICAL
4	5731.22	71.35	74.00	-2.65	62.69	7.37	34.43	33.14	202	309	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5266.66	106.37			98.16	7.34	33.93	33.06	202	214	Average	VERTICAL
2	5266.66	117.52			109.31	7.34	33.93	33.06	202	214	Peak	VERTICAL
3	5350.00	48.42	54.00	-5.58	40.12	7.30	34.06	33.06	202	214	Average	VERTICAL
4	5355.21	61.76	74.00	-12.24	53.46	7.30	34.06	33.06	202	214	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.17	116.82			108.58	7.32	33.98	33.06	202	195	Peak	VERTICAL
2	5308.25	105.99			97.75	7.32	33.98	33.06	202	195	Average	VERTICAL
3	5351.30	49.46	54.00	-4.54	41.16	7.30	34.06	33.06	202	195	Average	VERTICAL
4	5353.04	62.60	74.00	-11.40	54.30	7.30	34.06	33.06	202	195	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.05	116.79			108.52	7.32	34.01	33.06	202	225	Peak	VERTICAL
2	5313.34	106.31			98.04	7.32	34.01	33.06	202	225	Average	VERTICAL
3	5353.18	52.31	54.00	-1.69	44.01	7.30	34.06	33.06	202	225	Average	VERTICAL
4	5353.33	64.25	74.00	-9.75	55.95	7.30	34.06	33.06	202	225	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.83	50.93	54.00	-3.07	42.39	7.38	34.22	33.06	202	226	Average	VERTICAL
2	5457.83	62.78	74.00	-11.22	54.24	7.38	34.22	33.06	202	226	Peak	VERTICAL
3	5467.54	67.04	74.00	-6.96	58.47	7.38	34.25	33.06	202	226	Peak	VERTICAL
4	5468.26	52.25	54.00	-1.75	43.68	7.38	34.25	33.06	202	226	Average	VERTICAL
5	5493.05	107.51			98.86	7.44	34.27	33.06	202	226	Average	VERTICAL
6	5493.20	118.19			109.54	7.44	34.27	33.06	202	226	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5583.55	117.45			108.58	7.61	34.35	33.09	202	226	Peak	VERTICAL
2	5588.10	108.36			99.49	7.61	34.35	33.09	202	226	Average	VERTICAL
3	5733.10	51.49	54.00	-2.51	42.83	7.37	34.43	33.14	202	226	Average	VERTICAL
4	5733.61	67.60	74.00	-6.40	58.94	7.37	34.43	33.14	202	226	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5703.04	114.47			105.73	7.44	34.42	33.12	202	227	Peak	VERTICAL
2	5707.81	103.56			94.86	7.41	34.42	33.13	202	227	Average	VERTICAL
3	5728.04	52.98	54.00	-1.02	44.31	7.37	34.43	33.13	202	227	Average	VERTICAL
4	5728.62	67.92	74.00	-6.08	59.25	7.37	34.43	33.13	202	227	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5263.34	103.39			95.18	7.34	33.93	33.06	202	227	Average	VERTICAL
2	5268.55	114.43			106.22	7.34	33.93	33.06	202	227	Peak	VERTICAL
3	5353.18	49.52	54.00	-4.48	41.22	7.30	34.06	33.06	202	227	Average	VERTICAL
4	5353.47	63.00	74.00	-11.00	54.70	7.30	34.06	33.06	202	227	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5323.31	97.79			89.52	7.32	34.01	33.06	202	226	Average	VERTICAL
2	5323.89	108.76			100.49	7.32	34.01	33.06	202	226	Peak	VERTICAL
3	5353.33	52.40	54.00	-1.60	44.10	7.30	34.06	33.06	202	226	Average	VERTICAL
4	5353.47	67.92	74.00	-6.08	59.62	7.30	34.06	33.06	202	226	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.61	61.76	74.00	-12.24	53.22	7.38	34.22	33.06	202	226	Peak	VERTICAL
2	5458.05	51.94	54.00	-2.06	43.40	7.38	34.22	33.06	202	226	Average	VERTICAL
3	5467.61	52.43	54.00	-1.57	43.86	7.38	34.25	33.06	202	226	Average	VERTICAL
4	5467.83	72.24	74.00	-1.76	63.67	7.38	34.25	33.06	202	226	Peak	VERTICAL
5	5498.28	113.97			105.29	7.44	34.30	33.06	202	226	Peak	VERTICAL
6	5527.80	103.00			94.26	7.51	34.31	33.08	202	226	Average	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.96	62.65	74.00	-11.35	54.11	7.38	34.22	33.06	202	225	Peak	VERTICAL
2	5457.83	51.60	54.00	-2.40	43.06	7.38	34.22	33.06	202	225	Average	VERTICAL
3	5467.83	51.20	54.00	-2.80	42.63	7.38	34.25	33.06	202	225	Average	VERTICAL
4	5468.70	64.90	74.00	-9.10	56.33	7.38	34.25	33.06	202	225	Peak	VERTICAL
5	5538.28	117.23			108.48	7.51	34.32	33.08	202	225	Peak	VERTICAL
6	5543.05	107.23			98.45	7.54	34.32	33.08	202	225	Average	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5682.45	111.23			102.47	7.48	34.40	33.12	202	228	Peak	VERTICAL
2	5682.74	101.16			92.40	7.48	34.40	33.12	202	228	Average	VERTICAL
3	5727.89	52.93	54.00	-1.07	44.26	7.37	34.43	33.13	202	228	Average	VERTICAL
4	5743.23	68.14	74.00	-5.86	59.47	7.37	34.44	33.14	202	228	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5273.50	93.28			85.07	7.34	33.93	33.06	204	226	Average	VERTICAL
2	5318.65	105.54			97.27	7.32	34.01	33.06	204	226	Peak	VERTICAL
3	5352.89	52.77	54.00	-1.23	44.47	7.30	34.06	33.06	204	226	Average	VERTICAL
4	5353.47	67.79	74.00	-6.21	59.49	7.30	34.06	33.06	204	226	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5442.63	68.00	74.00	-6.00	59.52	7.35	34.19	33.06	204	225	Peak	VERTICAL
2	5453.05	52.31	54.00	-1.69	43.77	7.38	34.22	33.06	204	225	Average	VERTICAL
3	5462.19	64.38	74.00	-9.62	55.84	7.38	34.22	33.06	204	225	Peak	VERTICAL
4	5467.97	51.21	54.00	-2.79	42.64	7.38	34.25	33.06	204	225	Average	VERTICAL
5	5538.10	107.88			99.13	7.51	34.32	33.08	204	225	Peak	VERTICAL
6	5543.02	97.70			88.92	7.54	34.32	33.08	204	225	Average	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5578.31	109.66			100.80	7.61	34.34	33.09	202	197	Peak	VERTICAL
2	5583.08	99.08			90.21	7.61	34.35	33.09	202	197	Average	VERTICAL
3	5727.60	52.21	54.00	-1.79	43.54	7.37	34.43	33.13	202	197	Average	VERTICAL
4	5728.04	67.61	74.00	-6.39	58.94	7.37	34.43	33.13	202	197	Peak	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.45	110.02			101.32	7.41	34.42	33.13	204	234	Average	VERTICAL
2	5716.96	119.55			110.85	7.41	34.42	33.13	204	234	Peak	VERTICAL
3	5875.83	63.34	68.20	-4.86	54.35	7.64	34.53	33.18	204	234	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.96	109.16			100.46	7.41	34.42	33.13	204	231	Average	VERTICAL
2	5717.47	119.15			110.45	7.41	34.42	33.13	204	231	Peak	VERTICAL
3	5872.79	64.28	68.20	-3.92	55.29	7.64	34.53	33.18	204	231	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.89	113.48			104.78	7.41	34.42	33.13	204	222	Peak	VERTICAL
2	5718.10	103.84			95.13	7.41	34.43	33.13	204	222	Average	VERTICAL
3	5858.68	62.03	68.20	-6.17	53.15	7.54	34.52	33.18	204	222	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 3TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5683.05	110.98			102.22	7.48	34.40	33.12	204	223	Peak	VERTICAL
2	5718.36	99.80			91.09	7.41	34.43	33.13	204	223	Average	VERTICAL
3	5853.47	63.55	68.20	-4.65	54.67	7.54	34.51	33.17	204	223	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.96	60.06	74.00	-13.94	52.16	7.21	33.74	33.05	194	316	Peak	VERTICAL
2	5150.00	47.52	54.00	-6.48	39.62	7.21	33.74	33.05	194	316	Average	VERTICAL
3	5266.08	120.60			112.39	7.34	33.93	33.06	194	316	Peak	VERTICAL
4	5266.51	110.23			102.02	7.34	33.93	33.06	194	316	Average	VERTICAL
5	5350.87	47.97	54.00	-6.03	39.67	7.30	34.06	33.06	194	316	Average	VERTICAL
6	5353.47	61.37	74.00	-12.63	53.07	7.30	34.06	33.06	194	316	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.89	108.18			99.94	7.32	33.98	33.06	203	189	Average	VERTICAL
2	5302.89	119.25			111.01	7.32	33.98	33.06	203	189	Peak	VERTICAL
3	5370.84	62.48	74.00	-11.52	54.15	7.30	34.09	33.06	203	189	Peak	VERTICAL
4	5383.29	49.80	54.00	-4.20	41.46	7.29	34.11	33.06	203	189	Average	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5323.62	107.52			99.25	7.32	34.01	33.06	201	224	Average	VERTICAL
2	5323.91	118.64			110.37	7.32	34.01	33.06	201	224	Peak	VERTICAL
3	5350.14	67.70	74.00	-6.30	59.40	7.30	34.06	33.06	201	224	Peak	VERTICAL
4	5350.58	51.24	54.00	-2.76	42.94	7.30	34.06	33.06	201	224	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.41	52.51	54.00	-1.49	43.97	7.38	34.22	33.06	202	304	Average	VERTICAL
2	5459.13	65.78	74.00	-8.22	57.24	7.38	34.22	33.06	202	304	Peak	VERTICAL
3	5469.13	52.34	54.00	-1.66	43.77	7.38	34.25	33.06	202	304	Average	VERTICAL
4	5469.28	69.74	74.00	-4.26	61.17	7.38	34.25	33.06	202	304	Peak	VERTICAL
5	5499.28	109.61			100.93	7.44	34.30	33.06	202	304	Average	VERTICAL
6	5499.28	120.62			111.94	7.44	34.30	33.06	202	304	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.26	61.53	74.00	-12.47	52.99	7.38	34.22	33.06	202	307	Peak	VERTICAL
2	5460.00	48.88	54.00	-5.12	40.34	7.38	34.22	33.06	202	307	Average	VERTICAL
3	5467.83	62.65	74.00	-11.35	54.08	7.38	34.25	33.06	202	307	Peak	VERTICAL
4	5470.00	49.15	54.00	-4.85	40.55	7.41	34.25	33.06	202	307	Average	VERTICAL
5	5577.40	121.42			112.60	7.57	34.34	33.09	202	307	Peak	VERTICAL
6	5579.13	111.59			102.73	7.61	34.34	33.09	202	307	Average	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.34	106.80			98.07	7.44	34.41	33.12	202	180	Average	VERTICAL
2	5694.50	117.52			108.79	7.44	34.41	33.12	202	180	Peak	VERTICAL
3	5725.00	52.82	54.00	-1.18	44.11	7.41	34.43	33.13	202	180	Average	VERTICAL
4	5731.95	71.66	74.00	-2.34	63.00	7.37	34.43	33.14	202	180	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5255.37	119.38			111.19	7.35	33.90	33.06	202	343	Peak	VERTICAL
2	5260.29	108.19			99.98	7.34	33.93	33.06	202	343	Average	VERTICAL
3	5350.00	48.48	54.00	-5.52	40.18	7.30	34.06	33.06	202	343	Average	VERTICAL
4	5355.21	61.82	74.00	-12.18	53.52	7.30	34.06	33.06	202	343	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5295.66	107.53			99.29	7.32	33.98	33.06	205	315	Average	VERTICAL
2	5305.64	118.51			110.27	7.32	33.98	33.06	205	315	Peak	VERTICAL
3	5350.00	49.54	54.00	-4.46	41.24	7.30	34.06	33.06	205	315	Average	VERTICAL
4	5351.09	61.86	74.00	-12.14	53.56	7.30	34.06	33.06	205	315	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.80	105.89			97.62	7.32	34.01	33.06	205	316	Average	VERTICAL
2	5315.80	116.82			108.55	7.32	34.01	33.06	205	316	Peak	VERTICAL
3	5350.29	66.07	74.00	-7.93	57.77	7.30	34.06	33.06	205	316	Peak	VERTICAL
4	5350.58	52.63	54.00	-1.37	44.33	7.30	34.06	33.06	205	316	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.53	64.11	74.00	-9.89	55.57	7.38	34.22	33.06	203	233	Peak	VERTICAL
2	5456.96	51.41	54.00	-2.59	42.87	7.38	34.22	33.06	203	233	Average	VERTICAL
3	5467.25	52.74	54.00	-1.26	44.17	7.38	34.25	33.06	203	233	Average	VERTICAL
4	5467.68	69.47	74.00	-4.53	60.90	7.38	34.25	33.06	203	233	Peak	VERTICAL
5	5507.09	107.34			98.63	7.48	34.30	33.07	203	233	Average	VERTICAL
6	5507.53	118.94			110.23	7.48	34.30	33.07	203	233	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	48.72	54.00	-5.28	40.18	7.38	34.22	33.06	204	231	Average	VERTICAL
2	5460.00	61.77	74.00	-12.23	53.23	7.38	34.22	33.06	204	231	Peak	VERTICAL
3	5467.83	61.93	74.00	-12.07	53.36	7.38	34.25	33.06	204	231	Peak	VERTICAL
4	5470.00	48.92	54.00	-5.08	40.32	7.41	34.25	33.06	204	231	Average	VERTICAL
5	5572.62	119.36			110.53	7.57	34.34	33.08	204	231	Peak	VERTICAL
6	5586.95	109.14			100.27	7.61	34.35	33.09	204	231	Average	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.47	104.49			95.76	7.44	34.41	33.12	204	229	Average	VERTICAL
2	5692.62	116.19			107.46	7.44	34.41	33.12	204	229	Peak	VERTICAL
3	5726.88	67.71	74.00	-6.29	59.04	7.37	34.43	33.13	204	229	Peak	VERTICAL
4	5727.46	52.92	54.00	-1.08	44.25	7.37	34.43	33.13	204	229	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5254.95	116.37			108.18	7.35	33.90	33.06	202	343	Peak	VERTICAL
2	5255.53	105.29			97.10	7.35	33.90	33.06	202	343	Average	VERTICAL
3	5350.58	50.25	54.00	-3.75	41.95	7.30	34.06	33.06	202	343	Average	VERTICAL
4	5350.87	64.85	74.00	-9.15	56.55	7.30	34.06	33.06	202	343	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5295.24	98.11			89.87	7.32	33.98	33.06	202	341	Average	VERTICAL
2	5305.22	109.18			100.94	7.32	33.98	33.06	202	341	Peak	VERTICAL
3	5350.43	52.76	54.00	-1.24	44.46	7.30	34.06	33.06	202	341	Average	VERTICAL
4	5350.58	66.46	74.00	-7.54	58.16	7.30	34.06	33.06	202	341	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	50.77	54.00	-3.23	42.23	7.38	34.22	33.06	202	339	Average	VERTICAL
2	5460.00	63.85	74.00	-10.15	55.31	7.38	34.22	33.06	202	339	Peak	VERTICAL
3	5469.57	68.62	74.00	-5.38	60.02	7.41	34.25	33.06	202	339	Peak	VERTICAL
4	5470.22	52.47	54.00	-1.53	43.87	7.41	34.25	33.06	202	339	Average	VERTICAL
5	5514.99	103.28			94.56	7.48	34.31	33.07	202	339	Average	VERTICAL
6	5524.98	114.32			105.57	7.51	34.31	33.07	202	339	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.62	63.55	74.00	-10.45	55.01	7.38	34.22	33.06	202	231	Peak	VERTICAL
2	5456.96	51.52	54.00	-2.48	42.98	7.38	34.22	33.06	202	231	Average	VERTICAL
3	5466.09	67.88	74.00	-6.12	59.31	7.38	34.25	33.06	202	231	Peak	VERTICAL
4	5466.96	51.75	54.00	-2.25	43.18	7.38	34.25	33.06	202	231	Average	VERTICAL
5	5557.38	106.29			97.50	7.54	34.33	33.08	202	231	Average	VERTICAL
6	5557.81	116.94			108.15	7.54	34.33	33.08	202	231	Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5682.45	112.57			103.81	7.48	34.40	33.12	202	233	Peak	VERTICAL
2	5687.08	101.68			92.91	7.48	34.41	33.12	202	233	Average	VERTICAL
3	5727.32	52.91	54.00	-1.09	44.24	7.37	34.43	33.13	202	233	Average	VERTICAL
4	5732.53	68.08	74.00	-5.92	59.42	7.37	34.43	33.14	202	233	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5260.77	104.39			96.18	7.34	33.93	33.06	202	215	Peak	VERTICAL
2	5261.06	94.93			86.72	7.34	33.93	33.06	202	215	Average	VERTICAL
3	5350.87	52.70	54.00	-1.30	44.40	7.30	34.06	33.06	202	215	Average	VERTICAL
4	5351.45	66.44	74.00	-7.56	58.14	7.30	34.06	33.06	202	215	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5453.92	69.16	74.00	-4.84	60.62	7.38	34.22	33.06	202	215	Peak	VERTICAL
2	5456.24	52.96	54.00	-1.04	44.42	7.38	34.22	33.06	202	215	Average	VERTICAL
3	5465.95	52.68	54.00	-1.32	44.11	7.38	34.25	33.06	202	215	Average	VERTICAL
4	5466.24	68.14	74.00	-5.86	59.57	7.38	34.25	33.06	202	215	Peak	VERTICAL
5	5514.95	108.20			99.48	7.48	34.31	33.07	202	215	Peak	VERTICAL
6	5521.03	95.61			86.89	7.48	34.31	33.07	202	215	Average	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5586.56	109.89			101.02	7.61	34.35	33.09	202	236	Peak	VERTICAL
2	5586.99	99.54			90.67	7.61	34.35	33.09	202	236	Average	VERTICAL
3	5727.17	52.15	54.00	-1.85	43.48	7.37	34.43	33.13	202	236	Average	VERTICAL
4	5727.17	67.65	74.00	-6.35	58.98	7.37	34.43	33.13	202	236	Peak	VERTICAL

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.43	108.51			99.81	7.41	34.42	33.13	202	229	Average	VERTICAL
2	5715.95	118.54			109.84	7.41	34.42	33.13	202	229	Peak	VERTICAL
3	5875.83	64.07	68.20	-4.13	55.08	7.64	34.53	33.18	202	229	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.03	108.54			99.83	7.41	34.43	33.13	202	229	Average	VERTICAL
2	5727.60	117.78			109.11	7.37	34.43	33.13	202	229	Peak	VERTICAL
3	5871.78	66.69	68.20	-1.51	57.70	7.64	34.53	33.18	202	229	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.16	106.10			97.39	7.41	34.43	33.13	202	233	Average	VERTICAL
2	5727.95	116.09			107.42	7.37	34.43	33.13	202	233	Peak	VERTICAL
3	5853.47	65.47	68.20	-2.73	56.59	7.54	34.51	33.17	202	233	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 1 (Set 1 Dipole antenna / 3.96dBi / 4TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5687.68	102.39			93.62	7.48	34.41	33.12	202	230	Average	VERTICAL
2	5687.68	113.28			104.51	7.48	34.41	33.12	202	230	Peak	VERTICAL
3	5852.32	66.42	68.20	-1.78	57.54	7.54	34.51	33.17	202	230	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5265.45	112.36			103.22	8.26	33.94	33.06	175	174	Peak	VERTICAL
2	5266.41	102.88			93.74	8.26	33.94	33.06	175	174	Average	VERTICAL
3	5350.00	47.93	54.00	-6.07	38.73	8.20	34.06	33.06	175	174	Average	VERTICAL
4	5350.96	58.23	74.00	-15.77	49.03	8.20	34.06	33.06	175	174	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5301.92	113.23			104.07	8.24	33.98	33.06	175	172	Peak	VERTICAL
2	5306.49	102.26			93.10	8.24	33.98	33.06	175	172	Average	VERTICAL
3	5350.00	48.71	54.00	-5.29	39.51	8.20	34.06	33.06	175	172	Average	VERTICAL
4	5350.96	59.65	74.00	-14.35	50.45	8.20	34.06	33.06	175	172	Peak	VERTICAL

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

Channel 64

	Freq	Level	Line	Limit	Level	Loss	Factor	Factor			Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.91	102.04			92.86	8.23	34.01	33.06	176	166	Average	VERTICAL
2	5318.08	113.90			104.72	8.23	34.01	33.06	176	166	Peak	VERTICAL
3	5350.00	71.03	74.00	-2.97	61.83	8.20	34.06	33.06	176	166	Peak	VERTICAL
4	5350.00	52.63	54.00	-1.37	43.43	8.20	34.06	33.06	176	166	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.80	64.27	74.00	-9.73	54.74	8.36	34.23	33.06	176	166	Peak	VERTICAL
2	5460.00	49.46	54.00	-4.54	39.93	8.36	34.23	33.06	176	166	Average	VERTICAL
3	5470.00	65.91	74.00	-8.09	56.31	8.41	34.25	33.06	176	166	Peak	VERTICAL
4	5470.00	51.89	54.00	-2.11	42.29	8.41	34.25	33.06	176	166	Average	VERTICAL
5	5493.99	113.70			104.02	8.46	34.28	33.06	176	166	Peak	VERTICAL
6	5494.23	103.34			93.66	8.46	34.28	33.06	176	166	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5577.60	103.17			93.15	8.75	34.35	33.08	176	166	Average	VERTICAL
2	5581.92	113.62			103.61	8.75	34.35	33.09	176	166	Peak	VERTICAL
3	5725.00	58.49	74.00	-15.51	48.71	8.47	34.44	33.13	176	166	Peak	VERTICAL
4	5725.00	47.49	54.00	-6.51	37.71	8.47	34.44	33.13	176	166	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.59	99.12			89.27	8.56	34.42	33.13	176	182	Average	VERTICAL
2	5697.76	109.47			99.62	8.56	34.42	33.13	176	182	Peak	VERTICAL
3	5725.00	52.75	54.00	-1.25	42.97	8.47	34.44	33.13	176	182	Average	VERTICAL
4	5725.96	67.56	74.00	-6.44	57.78	8.47	34.44	33.13	176	182	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5263.21	111.72			102.58	8.26	33.94	33.06	176	170	Peak	VERTICAL
2	5268.01	101.74			92.60	8.26	33.94	33.06	176	170	Average	VERTICAL
3	5350.00	58.62	74.00	-15.38	49.42	8.20	34.06	33.06	176	170	Peak	VERTICAL
4	5350.00	47.30	54.00	-6.70	38.10	8.20	34.06	33.06	176	170	Average	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.89	112.62			103.46	8.24	33.98	33.06	176	174	Peak	VERTICAL
2	5307.45	101.41			92.25	8.24	33.98	33.06	176	174	Average	VERTICAL
3	5350.00	48.30	54.00	-5.70	39.10	8.20	34.06	33.06	176	174	Average	VERTICAL
4	5352.16	60.94	74.00	-13.06	51.74	8.20	34.06	33.06	176	174	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.79	112.23			103.05	8.23	34.01	33.06	176	165	Peak	VERTICAL
2	5313.43	101.34			92.16	8.23	34.01	33.06	176	165	Average	VERTICAL
3	5350.00	52.63	54.00	-1.37	43.43	8.20	34.06	33.06	176	165	Average	VERTICAL
4	5350.80	68.36	74.00	-5.64	59.16	8.20	34.06	33.06	176	165	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	63.02	74.00	-10.98	53.49	8.36	34.23	33.06	176	154	Peak	VERTICAL
2	5460.00	49.72	54.00	-4.28	40.19	8.36	34.23	33.06	176	154	Average	VERTICAL
3	5469.04	65.91	74.00	-8.09	56.31	8.41	34.25	33.06	176	154	Peak	VERTICAL
4	5470.00	52.96	54.00	-1.04	43.36	8.41	34.25	33.06	176	154	Average	VERTICAL
5	5498.40	114.60			104.85	8.51	34.30	33.06	176	154	Peak	VERTICAL
6	5506.09	103.41			93.67	8.51	34.30	33.07	176	154	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5586.25	114.70			104.69	8.75	34.35	33.09	176	152	Peak	VERTICAL
2	5586.73	104.86			94.85	8.75	34.35	33.09	176	152	Average	VERTICAL
3	5725.00	58.11	74.00	-15.89	48.33	8.47	34.44	33.13	176	152	Peak	VERTICAL
4	5725.00	47.74	54.00	-6.26	37.96	8.47	34.44	33.13	176	152	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5693.59	98.11			88.26	8.56	34.42	33.13	176	182	Average	VERTICAL
2	5694.23	109.12			99.27	8.56	34.42	33.13	176	182	Peak	VERTICAL
3	5725.00	68.78	74.00	-5.22	59.00	8.47	34.44	33.13	176	182	Peak	VERTICAL
4	5725.00	52.61	54.00	-1.39	42.83	8.47	34.44	33.13	176	182	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5267.20	99.73			90.59	8.26	33.94	33.06	176	172	Average	VERTICAL
2	5272.40	111.04			101.90	8.26	33.94	33.06	176	172	Peak	VERTICAL
3	5350.00	62.69	74.00	-11.31	53.49	8.20	34.06	33.06	176	172	Peak	VERTICAL
4	5350.00	49.84	54.00	-4.16	40.64	8.20	34.06	33.06	176	172	Average	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5307.60	93.29			84.13	8.24	33.98	33.06	176	177	Average	VERTICAL
2	5313.53	105.05			95.87	8.23	34.01	33.06	176	177	Peak	VERTICAL
3	5350.00	52.54	54.00	-1.46	43.34	8.20	34.06	33.06	176	177	Average	VERTICAL
4	5350.32	65.48	74.00	-8.52	56.28	8.20	34.06	33.06	176	177	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	64.23	74.00	-9.77	54.70	8.36	34.23	33.06	176	225	Peak	VERTICAL
2	5460.00	49.44	54.00	-4.56	39.91	8.36	34.23	33.06	176	225	Average	VERTICAL
3	5468.72	69.20	74.00	-4.80	59.60	8.41	34.25	33.06	176	225	Peak	VERTICAL
4	5470.00	52.95	54.00	-1.05	43.35	8.41	34.25	33.06	176	225	Average	VERTICAL
5	5494.94	107.81			98.13	8.46	34.28	33.06	176	225	Peak	VERTICAL
6	5525.39	96.01			86.21	8.56	34.31	33.07	176	225	Average	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.08	64.81	74.00	-9.19	55.28	8.36	34.23	33.06	176	225	Peak	VERTICAL
2	5460.00	50.09	54.00	-3.91	40.56	8.36	34.23	33.06	176	225	Average	VERTICAL
3	5470.00	63.43	74.00	-10.57	53.83	8.41	34.25	33.06	176	225	Peak	VERTICAL
4	5470.00	50.39	54.00	-3.61	40.79	8.41	34.25	33.06	176	225	Average	VERTICAL
5	5542.31	100.22			90.37	8.61	34.32	33.08	176	225	Average	VERTICAL
6	5544.71	111.98			102.08	8.65	34.33	33.08	176	225	Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5684.10	107.63			97.74	8.60	34.41	33.12	176	144	Peak	VERTICAL
2	5685.06	96.13			86.24	8.60	34.41	33.12	176	144	Average	VERTICAL
3	5725.00	52.82	54.00	-1.18	43.04	8.47	34.44	33.13	176	144	Average	VERTICAL
4	5726.92	67.16	74.00	-6.84	57.39	8.47	34.44	33.14	176	144	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5266.92	91.13			81.99	8.26	33.94	33.06	176	170	Average	VERTICAL
2	5269.81	101.83			92.69	8.26	33.94	33.06	176	170	Peak	VERTICAL
3	5352.89	52.91	54.00	-1.09	43.71	8.20	34.06	33.06	176	170	Average	VERTICAL
4	5356.25	65.44	74.00	-8.56	56.23	8.19	34.08	33.06	176	170	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.15	63.73	74.00	-10.27	54.20	8.36	34.23	33.06	176	223	Peak	VERTICAL
2	5459.04	52.89	54.00	-1.11	43.36	8.36	34.23	33.06	176	223	Average	VERTICAL
3	5460.87	52.82	54.00	-1.18	43.29	8.36	34.23	33.06	176	223	Average	VERTICAL
4	5470.00	66.19	74.00	-7.81	56.59	8.41	34.25	33.06	176	223	Peak	VERTICAL
5	5540.10	105.11			95.25	8.61	34.32	33.07	176	223	Peak	VERTICAL
6	5543.94	93.05			83.15	8.65	34.33	33.08	176	223	Average	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5580.19	105.21			95.20	8.75	34.35	33.09	176	163	Peak	VERTICAL
2	5580.19	94.88			84.87	8.75	34.35	33.09	176	163	Average	VERTICAL
3	5725.00	64.50	74.00	-9.50	54.72	8.47	34.44	33.13	176	163	Peak	VERTICAL
4	5725.00	52.42	54.00	-1.58	42.64	8.47	34.44	33.13	176	163	Average	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5718.56	110.30			100.49	8.51	34.43	33.13	176	194	Peak	VERTICAL
2	5723.37	100.38			90.60	8.47	34.44	33.13	176	194	Average	VERTICAL
3	5850.00	59.44	68.20	-8.76	49.54	8.56	34.51	33.17	176	194	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5723.85	99.70			89.92	8.47	34.44	33.13	176	193	Average	VERTICAL
2	5724.33	110.25			100.47	8.47	34.44	33.13	176	193	Peak	VERTICAL
3	5850.00	60.04	68.20	-8.16	50.14	8.56	34.51	33.17	176	193	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5724.58	106.46			96.68	8.47	34.44	33.13	176	193	Peak	VERTICAL
2	5724.58	96.98			87.20	8.47	34.44	33.13	176	193	Average	VERTICAL
3	5858.41	60.23	68.20	-7.97	50.24	8.64	34.52	33.17	176	193	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1
Test Date	Dec. 20, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1 / 1TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5695.61	102.93			93.08	8.56	34.42	33.13	176	178	Peak	VERTICAL
2	5699.54	92.11			82.26	8.56	34.42	33.13	176	178	Average	VERTICAL
3	5850.00	60.30	68.20	-7.90	50.40	8.56	34.51	33.17	176	178	Peak	VERTICAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.22	59.83	74.00	-14.17	51.93	7.21	33.74	33.05	220	347	Peak	VERTICAL
2	5148.26	47.46	54.00	-6.54	39.56	7.21	33.74	33.05	220	347	Average	VERTICAL
3	5262.17	100.41			92.20	7.34	33.93	33.06	220	347	Average	VERTICAL
4	5266.95	109.72			101.51	7.34	33.93	33.06	220	347	Peak	VERTICAL
5	5350.00	48.49	54.00	-5.51	40.19	7.30	34.06	33.06	220	347	Average	VERTICAL
6	5352.17	59.69	74.00	-14.31	51.39	7.30	34.06	33.06	220	347	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5294.50	100.75			92.51	7.32	33.98	33.06	218	87	Average	HORIZONTAL
2	5303.76	111.21			102.97	7.32	33.98	33.06	218	87	Peak	HORIZONTAL
3	5373.81	48.53	54.00	-5.47	40.20	7.30	34.09	33.06	218	87	Average	HORIZONTAL
4	5389.44	61.38	74.00	-12.62	53.04	7.29	34.11	33.06	218	87	Peak	HORIZONTAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5313.92	99.76			91.49	7.32	34.01	33.06	224	84	Average	HORIZONTAL
2	5318.12	110.49			102.22	7.32	34.01	33.06	224	84	Peak	HORIZONTAL
3	5350.10	65.84	74.00	-8.16	57.54	7.30	34.06	33.06	224	84	Peak	HORIZONTAL
4	5350.97	51.18	54.00	-2.82	42.88	7.30	34.06	33.06	224	84	Average	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5423.88	62.15	74.00	-11.85	53.73	7.31	34.17	33.06	231	94	Peak	HORIZONTAL
2	5452.82	49.26	54.00	-4.74	40.72	7.38	34.22	33.06	231	94	Average	HORIZONTAL
3	5469.32	64.61	74.00	-9.39	56.04	7.38	34.25	33.06	231	94	Peak	HORIZONTAL
4	5470.00	50.81	54.00	-3.19	42.21	7.41	34.25	33.06	231	94	Average	HORIZONTAL
5	5505.79	101.00			92.29	7.48	34.30	33.07	231	94	Average	HORIZONTAL
6	5505.79	111.56			102.85	7.48	34.30	33.07	231	94	Peak	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5339.77	49.27	54.00	-4.73	40.99	7.31	34.03	33.06	235	134	Average	HORIZONTAL
2	5341.22	62.92	74.00	-11.08	54.64	7.31	34.03	33.06	235	134	Peak	HORIZONTAL
3	5467.83	48.08	54.00	-5.92	39.51	7.38	34.25	33.06	235	134	Average	HORIZONTAL
4	5469.28	60.20	74.00	-13.80	51.63	7.38	34.25	33.06	235	134	Peak	HORIZONTAL
5	5582.17	99.86			90.99	7.61	34.35	33.09	235	134	Average	HORIZONTAL
6	5582.89	110.22			101.35	7.61	34.35	33.09	235	134	Peak	HORIZONTAL
7	5746.71	61.37	74.00	-12.63	52.74	7.33	34.44	33.14	235	134	Peak	HORIZONTAL
8	5819.79	49.79	54.00	-4.21	41.10	7.35	34.50	33.16	235	134	Average	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5696.53	97.55			88.82	7.44	34.41	33.12	237	140	Average	HORIZONTAL
2	5704.34	108.63			99.89	7.44	34.42	33.12	237	140	Peak	HORIZONTAL
3	5725.90	52.25	54.00	-1.75	43.54	7.41	34.43	33.13	237	140	Average	HORIZONTAL
4	5728.22	67.41	74.00	-6.59	58.74	7.37	34.43	33.13	237	140	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5266.08	109.49			101.28	7.34	33.93	33.06	235	134	Peak	HORIZONTAL
2	5267.81	99.09			90.88	7.34	33.93	33.06	235	134	Average	HORIZONTAL
3	5350.87	48.15	54.00	-5.85	39.85	7.30	34.06	33.06	235	134	Average	HORIZONTAL
4	5373.01	60.61	74.00	-13.39	52.28	7.30	34.09	33.06	235	134	Peak	HORIZONTAL

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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5292.19	99.97			91.75	7.33	33.95	33.06	224	90	Average	HORIZONTAL
2	5302.03	111.13			102.89	7.32	33.98	33.06	224	90	Peak	HORIZONTAL
3	5350.58	48.70	54.00	-5.30	40.40	7.30	34.06	33.06	224	90	Average	HORIZONTAL
4	5358.39	61.82	74.00	-12.18	53.52	7.30	34.06	33.06	224	90	Peak	HORIZONTAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.19	99.67			91.40	7.32	34.01	33.06	224	87	Average	HORIZONTAL
2	5316.67	110.37			102.10	7.32	34.01	33.06	224	87	Peak	HORIZONTAL
3	5350.00	51.56	54.00	-2.44	43.26	7.30	34.06	33.06	224	87	Average	HORIZONTAL
4	5353.29	66.93	74.00	-7.07	58.63	7.30	34.06	33.06	224	87	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.58	62.17	74.00	-11.83	53.63	7.38	34.22	33.06	232	359	Peak	HORIZONTAL
2	5458.03	49.07	54.00	-4.93	40.53	7.38	34.22	33.06	232	359	Average	HORIZONTAL
3	5464.40	63.70	74.00	-10.30	55.13	7.38	34.25	33.06	232	359	Peak	HORIZONTAL
4	5470.00	50.89	54.00	-3.11	42.29	7.41	34.25	33.06	232	359	Average	HORIZONTAL
5	5495.08	111.14			102.49	7.44	34.27	33.06	232	359	Peak	HORIZONTAL
6	5497.68	100.13			91.45	7.44	34.30	33.06	232	359	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5339.04	49.11	54.00	-4.89	40.83	7.31	34.03	33.06	228	4	Average	HORIZONTAL
2	5343.39	61.55	74.00	-12.45	53.27	7.31	34.03	33.06	228	4	Peak	HORIZONTAL
3	5461.45	47.92	54.00	-6.08	39.38	7.38	34.22	33.06	228	4	Average	HORIZONTAL
4	5465.07	60.62	74.00	-13.38	52.05	7.38	34.25	33.06	228	4	Peak	HORIZONTAL
5	5584.34	111.60			102.73	7.61	34.35	33.09	228	4	Peak	HORIZONTAL
6	5587.24	99.95			91.08	7.61	34.35	33.09	228	4	Average	HORIZONTAL
7	5815.45	61.41	74.00	-12.59	52.73	7.35	34.49	33.16	228	4	Peak	HORIZONTAL
8	5821.24	49.82	54.00	-4.18	41.03	7.45	34.50	33.16	228	4	Average	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.62	95.98			87.25	7.44	34.41	33.12	202	92	Average	HORIZONTAL
2	5694.36	107.19			98.46	7.44	34.41	33.12	202	92	Peak	HORIZONTAL
3	5725.00	51.92	54.00	-2.08	43.21	7.41	34.43	33.13	202	92	Average	HORIZONTAL
4	5725.00	69.16	74.00	-4.84	60.45	7.41	34.43	33.13	202	92	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5282.16	95.47			87.25	7.33	33.95	33.06	229	64	Average	HORIZONTAL
2	5285.20	107.21			98.99	7.33	33.95	33.06	229	64	Peak	HORIZONTAL
3	5350.87	48.31	54.00	-5.69	40.01	7.30	34.06	33.06	229	64	Average	HORIZONTAL
4	5353.91	60.70	74.00	-13.30	52.40	7.30	34.06	33.06	229	64	Peak	HORIZONTAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5296.11	105.53			97.29	7.32	33.98	33.06	223	313	Peak	VERTICAL
2	5298.42	95.47			87.23	7.32	33.98	33.06	223	313	Average	VERTICAL
3	5350.81	52.66	54.00	-1.34	44.36	7.30	34.06	33.06	223	313	Average	VERTICAL
4	5351.39	65.27	74.00	-8.73	56.97	7.30	34.06	33.06	223	313	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.64	66.41	74.00	-7.59	57.87	7.38	34.22	33.06	236	93	Peak	HORIZONTAL
2	5460.00	49.76	54.00	-4.24	41.22	7.38	34.22	33.06	236	93	Average	HORIZONTAL
3	5466.87	67.86	74.00	-6.14	59.29	7.38	34.25	33.06	236	93	Peak	HORIZONTAL
4	5470.00	52.67	54.00	-1.33	44.07	7.41	34.25	33.06	236	93	Average	HORIZONTAL
5	5515.50	107.79			99.07	7.48	34.31	33.07	236	93	Peak	HORIZONTAL
6	5522.74	96.50			87.78	7.48	34.31	33.07	236	93	Average	HORIZONTAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5448.41	61.35	74.00	-12.65	52.84	7.35	34.22	33.06	226	6	Peak	VERTICAL
2	5456.66	48.65	54.00	-5.35	40.11	7.38	34.22	33.06	226	6	Average	VERTICAL
3	5465.77	48.86	54.00	-5.14	40.29	7.38	34.25	33.06	226	6	Average	VERTICAL
4	5468.81	61.50	74.00	-12.50	52.93	7.38	34.25	33.06	226	6	Peak	VERTICAL
5	5545.66	99.22			90.44	7.54	34.32	33.08	226	6	Average	VERTICAL
6	5546.53	109.00			100.22	7.54	34.32	33.08	226	6	Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5653.94	93.83			85.04	7.52	34.39	33.12	233	6	Average	HORIZONTAL
2	5656.11	105.56			96.77	7.52	34.39	33.12	233	6	Peak	HORIZONTAL
3	5727.17	50.71	54.00	-3.29	42.04	7.37	34.43	33.13	233	6	Average	HORIZONTAL
4	5728.04	64.26	74.00	-9.74	55.59	7.37	34.43	33.13	233	6	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5078.36	59.83	74.00	-14.17	52.26	6.99	33.63	33.05	226	306	Peak	VERTICAL
2	5137.70	47.18	54.00	-6.82	39.37	7.15	33.71	33.05	226	306	Average	VERTICAL
3	5261.06	90.30			82.09	7.34	33.93	33.06	226	306	Average	VERTICAL
4	5262.50	99.42			91.21	7.34	33.93	33.06	226	306	Peak	VERTICAL
5	5350.78	50.34	54.00	-3.66	42.04	7.30	34.06	33.06	226	306	Average	VERTICAL
6	5358.74	61.69	74.00	-12.31	53.39	7.30	34.06	33.06	226	306	Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.92	63.73	74.00	-10.27	55.19	7.38	34.22	33.06	242	76	Peak	HORIZONTAL
2	5457.64	50.38	54.00	-3.62	41.84	7.38	34.22	33.06	242	76	Average	HORIZONTAL
3	5461.45	50.49	54.00	-3.51	41.95	7.38	34.22	33.06	242	76	Average	HORIZONTAL
4	5467.96	63.18	74.00	-10.82	54.61	7.38	34.25	33.06	242	76	Peak	HORIZONTAL
5	5520.59	91.70			82.98	7.48	34.31	33.07	242	76	Average	HORIZONTAL
6	5524.21	103.01			94.26	7.51	34.31	33.07	242	76	Peak	HORIZONTAL
7	5725.37	48.37	54.00	-5.63	39.66	7.41	34.43	33.13	242	76	Average	HORIZONTAL
8	5773.85	60.72	74.00	-13.28	52.11	7.29	34.47	33.15	242	76	Peak	HORIZONTAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5453.70	48.39	54.00	-5.61	39.85	7.38	34.22	33.06	229	2	Average	HORIZONTAL
2	5454.43	61.47	74.00	-12.53	52.93	7.38	34.22	33.06	229	2	Peak	HORIZONTAL
3	5460.22	60.99	74.00	-13.01	52.45	7.38	34.22	33.06	229	2	Peak	HORIZONTAL
4	5466.01	48.55	54.00	-5.45	39.98	7.38	34.25	33.06	229	2	Average	HORIZONTAL
5	5582.50	91.42			82.55	7.61	34.35	33.09	229	2	Average	HORIZONTAL
6	5586.12	102.80			93.93	7.61	34.35	33.09	229	2	Peak	HORIZONTAL
7	5731.51	61.91	74.00	-12.09	53.25	7.37	34.43	33.14	229	2	Peak	HORIZONTAL
8	5732.24	50.41	54.00	-3.59	41.75	7.37	34.43	33.14	229	2	Average	HORIZONTAL

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

Straddle Channel

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5717.11	109.58			100.88	7.41	34.42	33.13	246	16	Peak	HORIZONTAL
2	5722.89	98.80			90.09	7.41	34.43	33.13	246	16	Average	HORIZONTAL
3	5946.48	61.16	68.20	-7.04	51.75	8.04	34.57	33.20	246	16	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.21	109.63			100.93	7.41	34.42	33.13	245	10	Peak	HORIZONTAL
2	5718.55	98.73			90.02	7.41	34.43	33.13	245	10	Average	HORIZONTAL
3	5856.76	61.71	68.20	-6.49	52.82	7.54	34.52	33.17	245	10	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 142

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.28	106.94			98.24	7.41	34.42	33.13	245	12	Peak	HORIZONTAL
2	5715.79	95.31			86.61	7.41	34.42	33.13	245	12	Average	HORIZONTAL
3	5936.48	62.59	68.20	-5.61	53.29	7.94	34.56	33.20	245	12	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*1, (2B)1.66dBi*1 / 2TX)		

Channel 138

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.20	103.53			94.80	7.44	34.42	33.13	245	3	Peak	HORIZONTAL
2	5706.64	91.90			83.17	7.44	34.42	33.13	245	3	Average	HORIZONTAL
3	5854.25	63.00	68.20	-5.20	54.11	7.54	34.52	33.17	245	3	Peak	HORIZONTAL

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

Note:

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.13	59.92	74.00	-14.08	52.02	7.21	33.74	33.05	149	355	Peak	VERTICAL
2	5150.00	47.63	54.00	-6.37	39.73	7.21	33.74	33.05	149	355	Average	VERTICAL
3	5263.04	111.93			103.72	7.34	33.93	33.06	149	355	Peak	VERTICAL
4	5263.47	102.60			94.39	7.34	33.93	33.06	149	355	Average	VERTICAL
5	5350.00	48.51	54.00	-5.49	40.21	7.30	34.06	33.06	149	355	Average	VERTICAL
6	5354.34	60.28	74.00	-13.72	51.98	7.30	34.06	33.06	149	355	Peak	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5297.40	113.94			105.70	7.32	33.98	33.06	190	321	Peak	VERTICAL
2	5306.95	104.15			95.91	7.32	33.98	33.06	190	321	Average	VERTICAL
3	5350.87	49.15	54.00	-4.85	40.85	7.30	34.06	33.06	190	321	Average	VERTICAL
4	5353.18	61.87	74.00	-12.13	53.57	7.30	34.06	33.06	190	321	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5321.45	104.52			96.25	7.32	34.01	33.06	188	340	Average	VERTICAL
2	5321.74	114.52			106.25	7.32	34.01	33.06	188	340	Peak	VERTICAL
3	5351.74	52.03	54.00	-1.97	43.73	7.30	34.06	33.06	188	340	Average	VERTICAL
4	5352.60	66.50	74.00	-7.50	58.20	7.30	34.06	33.06	188	340	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.42	61.70	74.00	-12.30	53.16	7.38	34.22	33.06	244	64	Peak	HORIZONTAL
2	5459.71	49.17	54.00	-4.83	40.63	7.38	34.22	33.06	244	64	Average	HORIZONTAL
3	5470.00	50.34	54.00	-3.66	41.74	7.41	34.25	33.06	244	64	Average	HORIZONTAL
4	5470.00	66.29	74.00	-7.71	57.69	7.41	34.25	33.06	244	64	Peak	HORIZONTAL
5	5499.42	109.87			101.19	7.44	34.30	33.06	244	64	Peak	HORIZONTAL
6	5501.45	99.99			91.32	7.44	34.30	33.07	244	64	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.70	60.28	74.00	-13.72	51.74	7.38	34.22	33.06	186	308	Peak	VERTICAL
2	5459.57	48.38	54.00	-5.62	39.84	7.38	34.22	33.06	186	308	Average	VERTICAL
3	5470.00	48.43	54.00	-5.57	39.83	7.41	34.25	33.06	186	308	Average	VERTICAL
4	5470.00	60.60	74.00	-13.40	52.00	7.41	34.25	33.06	186	308	Peak	VERTICAL
5	5581.30	105.38			96.52	7.61	34.34	33.09	186	308	Average	VERTICAL
6	5581.74	115.08			106.21	7.61	34.35	33.09	186	308	Peak	VERTICAL
7	5725.00	48.80	54.00	-5.20	40.09	7.41	34.43	33.13	186	308	Average	VERTICAL
8	5725.43	60.70	74.00	-13.30	51.99	7.41	34.43	33.13	186	308	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.50	96.45			87.72	7.44	34.42	33.13	189	17	Average	HORIZONTAL
2	5706.08	107.67			98.94	7.44	34.42	33.13	189	17	Peak	HORIZONTAL
3	5725.00	52.97	54.00	-1.03	44.26	7.41	34.43	33.13	189	17	Average	HORIZONTAL
4	5725.29	66.43	74.00	-7.57	57.72	7.41	34.43	33.13	189	17	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5265.64	104.73			96.52	7.34	33.93	33.06	210	341	Average	VERTICAL
2	5266.08	113.90			105.69	7.34	33.93	33.06	210	341	Peak	VERTICAL
3	5350.00	48.69	54.00	-5.31	40.39	7.30	34.06	33.06	210	341	Average	VERTICAL
4	5350.87	60.51	74.00	-13.49	52.21	7.30	34.06	33.06	210	341	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5324.63	102.09			93.82	7.32	34.01	33.06	151	331	Average	VERTICAL
2	5325.21	111.77			103.50	7.32	34.01	33.06	151	331	Peak	VERTICAL
3	5350.00	50.98	54.00	-3.02	42.68	7.30	34.06	33.06	151	331	Average	VERTICAL
4	5350.29	65.10	74.00	-8.90	56.80	7.30	34.06	33.06	151	331	Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5324.63	102.09			93.82	7.32	34.01	33.06	151	331	Average	VERTICAL
2	5325.21	111.77			103.50	7.32	34.01	33.06	151	331	Peak	VERTICAL
3	5350.00	50.98	54.00	-3.02	42.68	7.30	34.06	33.06	151	331	Average	VERTICAL
4	5350.29	65.10	74.00	-8.90	56.80	7.30	34.06	33.06	151	331	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5451.90	62.48	74.00	-11.52	53.94	7.38	34.22	33.06	240	63	Peak	HORIZONTAL
2	5460.00	49.00	54.00	-5.00	40.46	7.38	34.22	33.06	240	63	Average	HORIZONTAL
3	5468.26	64.38	74.00	-9.62	55.81	7.38	34.25	33.06	240	63	Peak	HORIZONTAL
4	5470.00	50.34	54.00	-3.66	41.74	7.41	34.25	33.06	240	63	Average	HORIZONTAL
5	5495.37	110.39			101.74	7.44	34.27	33.06	240	63	Peak	HORIZONTAL
6	5505.79	99.46			90.75	7.48	34.30	33.07	240	63	Average	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.96	59.98	74.00	-14.02	51.44	7.38	34.22	33.06	179	305	Peak	VERTICAL
2	5459.13	48.53	54.00	-5.47	39.99	7.38	34.22	33.06	179	305	Average	VERTICAL
3	5468.26	60.67	74.00	-13.33	52.10	7.38	34.25	33.06	179	305	Peak	VERTICAL
4	5470.00	48.40	54.00	-5.60	39.80	7.41	34.25	33.06	179	305	Average	VERTICAL
5	5584.78	104.44			95.57	7.61	34.35	33.09	179	305	Average	VERTICAL
6	5585.21	114.62			105.75	7.61	34.35	33.09	179	305	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5692.19	97.76			89.03	7.44	34.41	33.12	244	1	Average	HORIZONTAL
2	5696.82	109.05			100.32	7.44	34.41	33.12	244	1	Peak	HORIZONTAL
3	5725.00	52.81	54.00	-1.19	44.10	7.41	34.43	33.13	244	1	Average	HORIZONTAL
4	5725.58	68.88	74.00	-5.12	60.17	7.41	34.43	33.13	244	1	Peak	HORIZONTAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5280.71	101.77			93.55	7.33	33.95	33.06	184	341	Average	VERTICAL
2	5281.29	111.87			103.65	7.33	33.95	33.06	184	341	Peak	VERTICAL
3	5350.87	49.74	54.00	-4.26	41.44	7.30	34.06	33.06	184	341	Average	VERTICAL
4	5352.32	62.99	74.00	-11.01	54.69	7.30	34.06	33.06	184	341	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5307.97	96.63			88.39	7.32	33.98	33.06	194	306	Average	VERTICAL
2	5313.18	106.88			98.61	7.32	34.01	33.06	194	306	Peak	VERTICAL
3	5352.32	65.66	74.00	-8.34	57.36	7.30	34.06	33.06	194	306	Peak	VERTICAL
4	5353.18	52.95	54.00	-1.05	44.65	7.30	34.06	33.06	194	306	Average	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	49.63	54.00	-4.37	41.09	7.38	34.22	33.06	240	68	Average	HORIZONTAL
2	5460.00	62.13	74.00	-11.87	53.59	7.38	34.22	33.06	240	68	Peak	HORIZONTAL
3	5469.42	71.65	74.00	-2.35	63.08	7.38	34.25	33.06	240	68	Peak	HORIZONTAL
4	5470.00	52.75	54.00	-1.25	44.15	7.41	34.25	33.06	240	68	Average	HORIZONTAL
5	5520.71	107.50			98.78	7.48	34.31	33.07	240	68	Peak	HORIZONTAL
6	5521.00	96.59			87.87	7.48	34.31	33.07	240	68	Average	HORIZONTAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.57	49.56	54.00	-4.44	41.02	7.38	34.22	33.06	151	338	Average	VERTICAL
2	5459.57	61.38	74.00	-12.62	52.84	7.38	34.22	33.06	151	338	Peak	VERTICAL
3	5470.00	49.94	54.00	-4.06	41.34	7.41	34.25	33.06	151	338	Average	VERTICAL
4	5470.00	62.19	74.00	-11.81	53.59	7.41	34.25	33.06	151	338	Peak	VERTICAL
5	5534.80	103.77			95.02	7.51	34.32	33.08	151	338	Average	VERTICAL
6	5535.24	113.18			104.43	7.51	34.32	33.08	151	338	Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5655.53	99.45			90.66	7.52	34.39	33.12	179	308	Average	VERTICAL
2	5655.53	109.91			101.12	7.52	34.39	33.12	179	308	Peak	VERTICAL
3	5725.00	52.69	54.00	-1.31	43.98	7.41	34.43	33.13	179	308	Average	VERTICAL
4	5725.87	68.32	74.00	-5.68	59.61	7.41	34.43	33.13	179	308	Peak	VERTICAL

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun & Gino Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 15, 2015		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (2A)3.96dBi*2, (2B)1.66dBi*1 / 3TX)		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.66	60.69	74.00	-13.31	52.79	7.21	33.74	33.05	156	308	Peak	VERTICAL
2	5150.00	47.83	54.00	-6.17	39.93	7.21	33.74	33.05	156	308	Average	VERTICAL
3	5260.33	91.58			83.37	7.34	33.93	33.06	156	308	Average	VERTICAL
4	5300.13	101.42			93.18	7.32	33.98	33.06	156	308	Peak	VERTICAL
5	5350.00	63.96	74.00	-10.04	55.66	7.30	34.06	33.06	156	308	Peak	VERTICAL
6	5350.72	52.63	54.00	-1.37	44.33	7.30	34.06	33.06	156	308	Average	VERTICAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5439.02	68.34	74.00	-5.66	59.86	7.35	34.19	33.06	151	337	Peak	VERTICAL
2	5454.93	52.81	54.00	-1.19	44.27	7.38	34.22	33.06	151	337	Average	VERTICAL
3	5470.00	63.88	74.00	-10.12	55.28	7.41	34.25	33.06	151	337	Peak	VERTICAL
4	5470.00	51.91	54.00	-2.09	43.31	7.41	34.25	33.06	151	337	Average	VERTICAL
5	5534.50	107.02			98.27	7.51	34.32	33.08	151	337	Peak	VERTICAL
6	5539.41	98.10			89.35	7.51	34.32	33.08	151	337	Average	VERTICAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5453.49	64.74	74.00	-9.26	56.20	7.38	34.22	33.06	203	309	Peak	VERTICAL
2	5460.00	51.00	54.00	-3.00	42.46	7.38	34.22	33.06	203	309	Average	VERTICAL
3	5465.66	64.55	74.00	-9.45	55.98	7.38	34.25	33.06	203	309	Peak	VERTICAL
4	5470.00	51.67	54.00	-2.33	43.07	7.41	34.25	33.06	203	309	Average	VERTICAL
5	5584.67	98.67			89.80	7.61	34.35	33.09	203	309	Average	VERTICAL
6	5594.80	108.92			100.05	7.61	34.35	33.09	203	309	Peak	VERTICAL
7	5725.00	52.72	54.00	-1.28	44.01	7.41	34.43	33.13	203	309	Average	VERTICAL
8	5735.13	65.05	74.00	-8.95	56.38	7.37	34.44	33.14	203	309	Peak	VERTICAL

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