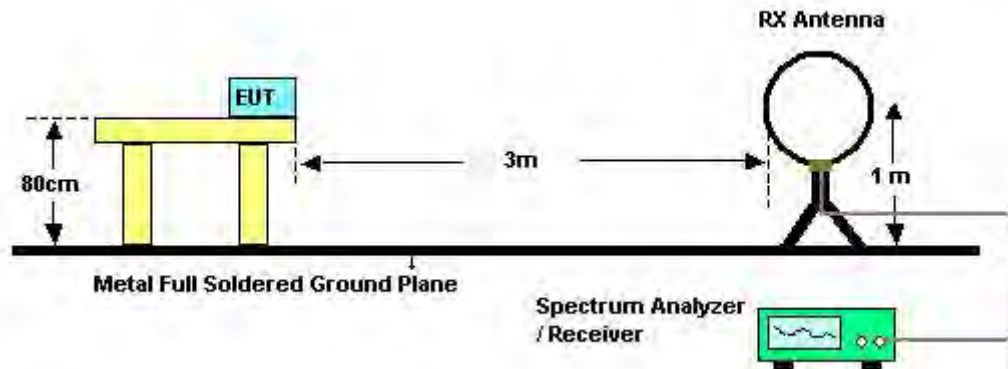
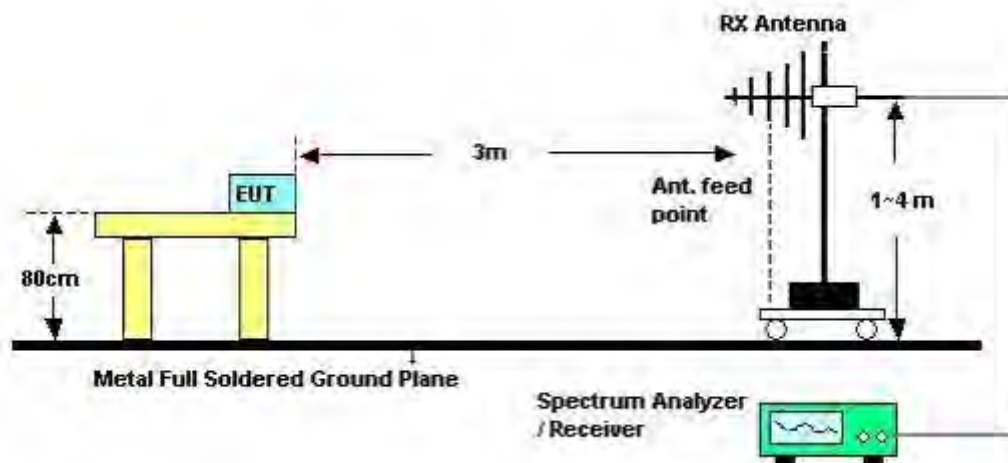


4.6.4. Test Setup Layout

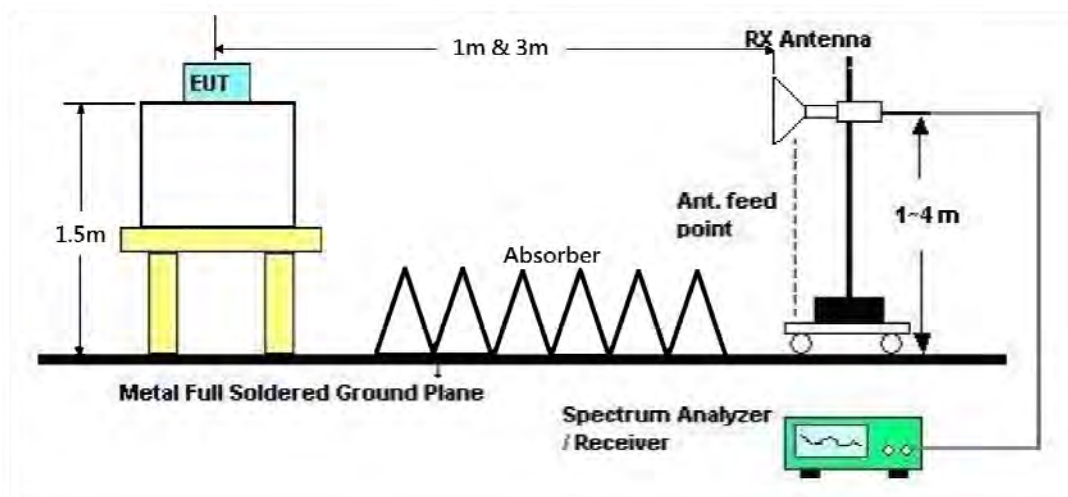
For Radiated Emissions: 9kHz ~30MHz



For Radiated Emissions: 30MHz~1GHz



For Radiated Emissions: Above 1GHz



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.

For STBC mode:

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Results of Radiated Emissions (9kHz~30MHz)

Temperature	24°C	Humidity	57%
Test Engineer	Alvin Li	Configurations	Normal Link
Test Date	Jul. 13, 2015	Test Mode	Mode 2

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Limit Line (dBuV)	Remark
-	-	-	-	See Note

Note:

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

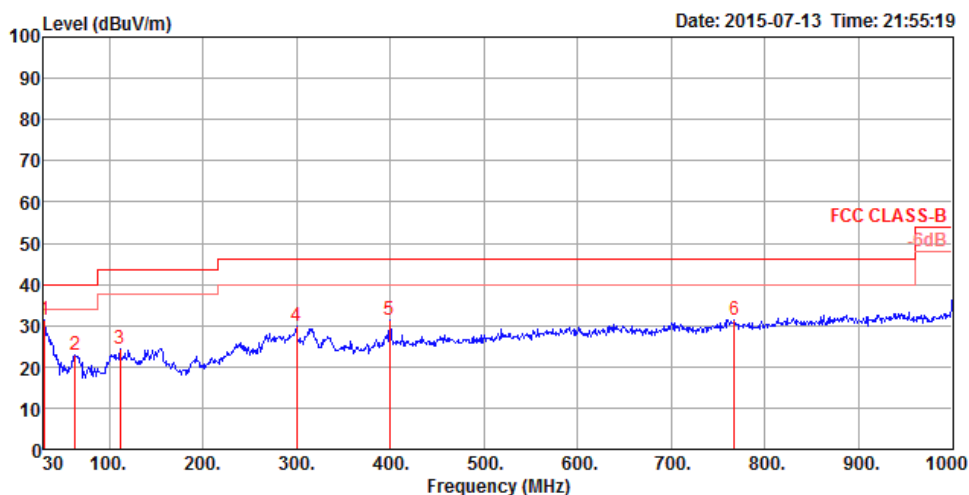
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

4.6.8. Results of Radiated Emissions (30MHz~1GHz)

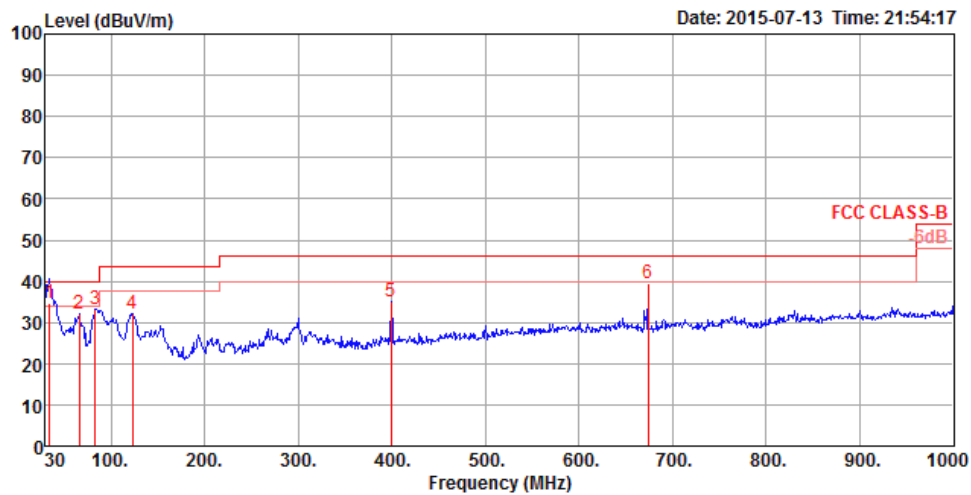
Temperature	24°C	Humidity	57%
Test Engineer	Alvin Li	Configurations	Normal Link
Test Mode	Mode 2		

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	30.97	31.19	40.00	-8.81	43.46	0.64	19.49	32.40	125	149 Peak	HORIZONTAL
2	63.95	22.88	40.00	-17.12	47.63	0.79	6.86	32.40	150	114 Peak	HORIZONTAL
3	111.48	24.35	43.50	-19.15	43.38	0.99	12.36	32.38	150	193 Peak	HORIZONTAL
4	299.66	29.97	46.00	-16.03	46.88	1.49	13.88	32.28	125	176 Peak	HORIZONTAL
5	399.57	31.41	46.00	-14.59	45.54	1.73	16.47	32.33	100	180 Peak	HORIZONTAL
6	767.20	31.48	46.00	-14.52	40.98	2.25	20.53	32.28	125	92 Peak	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	33.97	34.76	40.00	-5.24	48.81	0.64	17.71	32.40	100	248 QP	VERTICAL
2	65.89	32.28	40.00	-7.72	57.04	0.80	6.84	32.40	150	346 Peak	VERTICAL
3	83.35	33.17	40.00	-6.83	56.57	0.87	8.13	32.40	100	149 Peak	VERTICAL
4	123.12	32.23	43.50	-11.27	50.79	1.04	12.77	32.37	100	131 Peak	VERTICAL
5	399.57	34.96	46.00	-11.04	49.09	1.73	16.47	32.33	150	190 Peak	VERTICAL
6	674.08	39.36	46.00	-6.64	49.96	2.12	19.65	32.37	100	63 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.

4.6.9. Results for Radiated Emissions (1GHz~40GHz)

<For Non-Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15538.53	45.33	54.00	-8.67	28.31	12.58	38.14	33.70	151	327	Average	HORIZONTAL
2	15546.47	59.75	74.00	-14.25	42.75	12.58	38.12	33.70	151	327	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15532.79	58.59	74.00	-15.41	41.57	12.58	38.14	33.70	152	337	Peak	VERTICAL
2	15549.42	45.36	54.00	-8.64	28.39	12.58	38.12	33.73	152	337	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15599.13	45.34	54.00	-8.66	28.51	12.58	38.03	33.78	152	318	Average
2	15602.08	58.20	74.00	-15.80	41.37	12.58	38.03	33.78	152	318	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15590.10	45.24	54.00	-8.76	28.35	12.58	38.06	33.75	153	304	Average
2	15601.89	58.27	74.00	-15.73	41.44	12.58	38.03	33.78	153	304	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

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	15711.25	58.94	74.00	-15.06	42.38	12.57	37.87	33.88	151	286	Peak	HORIZONTAL
2	15719.39	45.45	54.00	-8.55	28.92	12.57	37.84	33.88	151	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	15710.26	45.20	54.00	-8.80	28.64	12.57	37.87	33.88	150	271	Average	VERTICAL
2	15726.25	58.20	74.00	-15.80	41.69	12.57	37.84	33.90	150	271	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

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	15774.01	59.39	74.00	-14.61	42.99	12.57	37.76	33.93	152	254	Peak	HORIZONTAL
2	15779.62	45.70	54.00	-8.30	29.32	12.57	37.76	33.95	152	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	15777.63	45.72	54.00	-8.28	29.34	12.57	37.76	33.95	152	233	Average	VERTICAL
2	15777.98	59.41	74.00	-14.59	43.03	12.57	37.76	33.95	152	233	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10596.83	55.92	74.00	-18.08	40.99	10.16	38.40	33.63	154	216	Peak	HORIZONTAL
2	10609.49	42.99	54.00	-11.01	28.02	10.19	38.40	33.62	154	216	Average	HORIZONTAL
3	15895.26	45.82	54.00	-8.18	29.73	12.57	37.57	34.05	151	198	Average	HORIZONTAL
4	15903.59	59.34	74.00	-14.66	43.28	12.57	37.54	34.05	151	198	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.90	42.99	54.00	-11.01	28.02	10.19	38.40	33.62	149	160	Average	VERTICAL
2	10600.90	56.26	74.00	-17.74	41.29	10.19	38.40	33.62	149	160	Peak	VERTICAL
3	15893.56	58.57	74.00	-15.43	42.48	12.57	37.57	34.05	150	176	Peak	VERTICAL
4	15905.93	44.84	54.00	-9.16	28.82	12.56	37.54	34.08	150	176	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10634.39	42.96	54.00	-11.04	27.95	10.21	38.40	33.60	152	147	Average	HORIZONTAL
2	10646.63	55.71	74.00	-18.29	40.70	10.21	38.40	33.60	152	147	Peak	HORIZONTAL
3	15950.80	44.87	54.00	-9.13	28.93	12.56	37.48	34.10	154	133	Average	HORIZONTAL
4	15966.67	57.95	74.00	-16.05	42.06	12.56	37.46	34.13	154	133	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10648.49	56.11	74.00	-17.89	41.10	10.21	38.40	33.60	152	96	Peak	VERTICAL
2	10649.55	42.73	54.00	-11.27	27.72	10.21	38.40	33.60	152	96	Average	VERTICAL
3	15961.41	57.49	74.00	-16.51	41.60	12.56	37.46	34.13	154	113	Peak	VERTICAL
4	15961.86	44.88	54.00	-9.12	28.99	12.56	37.46	34.13	154	113	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	10991.99	55.38	74.00	-18.62	39.81	10.55	38.40	33.38	152	80 Peak	HORIZONTAL
2	10995.42	43.16	54.00	-10.84	27.59	10.55	38.40	33.38	152	80 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11002.79	56.73	74.00	-17.27	41.16	10.55	38.40	33.38	152	67 Peak	VERTICAL
2	11007.79	43.00	54.00	-11.00	27.41	10.55	38.42	33.38	152	67 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11166.47	43.22	54.00	-10.78	27.42	10.61	38.57	33.38	151	55 Average	HORIZONTAL
2	11169.87	56.07	74.00	-17.93	40.27	10.61	38.57	33.38	151	55 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11154.10	56.46	74.00	-17.54	40.69	10.60	38.55	33.38	152	40 Peak	VERTICAL
2	11168.56	42.88	54.00	-11.12	27.08	10.61	38.57	33.38	152	40 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11393.69	56.93	74.00	-17.07	40.83	10.69	38.78	33.37	151	29 Peak	HORIZONTAL
2	11405.38	43.60	54.00	-10.40	27.48	10.69	38.80	33.37	151	29 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11393.62	58.29	74.00	-15.71	42.19	10.69	38.78	33.37	151	52 Peak	VERTICAL
2	11399.52	43.47	54.00	-10.53	27.35	10.69	38.80	33.37	152	52 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11485.93	43.87	54.00	-10.13	27.65	10.71	38.88	33.37	152	106	Average	HORIZONTAL
2	11487.69	56.34	74.00	-17.66	40.12	10.71	38.88	33.37	152	106	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11495.06	43.85	54.00	-10.15	27.62	10.72	38.88	33.37	153	124	Average	VERTICAL
2	11495.61	58.65	74.00	-15.35	42.42	10.72	38.88	33.37	153	124	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.20	44.52	54.00	-9.48	28.21	10.75	38.94	33.38	154	141	Average	HORIZONTAL
2	11571.28	57.29	74.00	-16.71	40.98	10.76	38.94	33.39	154	141	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11563.49	56.86	74.00	-17.14	40.56	10.75	38.93	33.38	153	158	Peak	VERTICAL
2	11575.51	43.85	54.00	-10.15	27.54	10.76	38.94	33.39	153	158	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11648.04	43.66	54.00	-10.34	27.28	10.81	38.98	33.41	151	172	Average	HORIZONTAL
2	11653.75	56.80	74.00	-17.20	40.41	10.81	38.99	33.41	151	172	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11642.34	56.03	74.00	-17.97	39.66	10.79	38.98	33.40	153	190	Peak	VERTICAL
2	11657.21	43.55	54.00	-10.45	27.16	10.81	38.99	33.41	153	190	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15568.24	58.03	74.00	-15.97	41.09	12.58	38.09	33.73	154	206 Peak	HORIZONTAL
2	15572.05	45.49	54.00	-8.51	28.55	12.58	38.09	33.73	154	206 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15563.40	58.58	74.00	-15.42	41.64	12.58	38.09	33.73	152	218 Peak	VERTICAL
2	15576.76	45.25	54.00	-8.75	28.33	12.58	38.09	33.75	152	218 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

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	15686.76	58.92	74.00	-15.08	42.29	12.58	37.90	33.85	152	238	Peak	HORIZONTAL
2	15694.42	45.54	54.00	-8.46	28.91	12.58	37.90	33.85	152	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	15681.51	45.31	54.00	-8.69	28.68	12.58	37.90	33.85	153	256	Average	VERTICAL
2	15681.79	58.31	74.00	-15.69	41.68	12.58	37.90	33.85	153	256	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15802.40	45.05	54.00	-8.95	28.73	12.57	37.70	33.95	148	274	Average
2	15813.37	57.62	74.00	-16.38	41.33	12.57	37.70	33.98	148	274	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15800.58	57.68	74.00	-16.32	41.36	12.57	37.70	33.95	150	292	Peak	VERTICAL
2	15804.49	44.80	54.00	-9.20	28.51	12.57	37.70	33.98	150	292	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10610.80	42.87	54.00	-11.13	27.90	10.19	38.40	33.62	152	312	Average	HORIZONTAL
2	10619.20	56.01	74.00	-17.99	41.04	10.19	38.40	33.62	152	312	Peak	HORIZONTAL
3	15925.42	44.90	54.00	-9.10	28.91	12.56	37.51	34.08	153	326	Average	HORIZONTAL
4	15933.30	58.33	74.00	-15.67	42.36	12.56	37.51	34.10	153	326	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10617.72	42.72	54.00	-11.28	27.75	10.19	38.40	33.62	152	355	Average	VERTICAL
2	10623.81	55.81	74.00	-18.19	40.84	10.19	38.40	33.62	152	355	Peak	VERTICAL
3	15928.01	58.00	74.00	-16.00	42.01	12.56	37.51	34.08	154	343	Peak	VERTICAL
4	15928.69	44.89	54.00	-9.11	28.90	12.56	37.51	34.08	154	343	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11010.06	55.92	74.00	-18.08	40.32	10.56	38.42	33.38	153	337 Peak	HORIZONTAL
2	11012.76	43.10	54.00	-10.90	27.50	10.56	38.42	33.38	153	337 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11012.60	56.10	74.00	-17.90	40.50	10.56	38.42	33.38	152	322 Peak	VERTICAL
2	11013.30	43.14	54.00	-10.86	27.54	10.56	38.42	33.38	152	322 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11099.42	43.12	54.00	-10.88	27.42	10.58	38.50	33.38	153	304	Average	HORIZONTAL
2	11100.80	56.55	74.00	-17.45	40.85	10.58	38.50	33.38	153	304	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11107.15	56.04	74.00	-17.96	40.32	10.58	38.52	33.38	151	288	Peak	VERTICAL
2	11107.92	42.90	54.00	-11.10	27.18	10.58	38.52	33.38	151	288	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

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	11338.33	56.07	74.00	-17.93	40.05	10.66	38.73	33.37	152	260	Peak	HORIZONTAL
2	11340.16	43.23	54.00	-10.77	27.21	10.66	38.73	33.37	152	260	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	11341.09	43.38	54.00	-10.62	27.35	10.67	38.73	33.37	150	246	Average	VERTICAL
2	11346.67	56.42	74.00	-17.58	40.37	10.67	38.75	33.37	150	246	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11501.47	43.77	54.00	-10.23	27.52	10.72	38.90	33.37	154	207	Average	HORIZONTAL
2	11505.26	56.86	74.00	-17.14	40.61	10.72	38.90	33.37	154	207	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11501.99	56.51	74.00	-17.49	40.26	10.72	38.90	33.37	151	190	Peak	VERTICAL
2	11507.50	43.71	54.00	-10.29	27.46	10.72	38.90	33.37	151	190	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11588.04	43.70	54.00	-10.30	27.38	10.76	38.95	33.39	152	176	Average	HORIZONTAL
2	11588.81	56.56	74.00	-17.44	40.24	10.76	38.95	33.39	152	176	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11585.90	43.44	54.00	-10.56	27.12	10.76	38.95	33.39	151	160	Average	VERTICAL
2	11593.94	57.42	74.00	-16.58	41.10	10.76	38.95	33.39	151	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15634.49	59.20	74.00	-14.80	42.44	12.58	37.98	33.80	150	175	Peak	HORIZONTAL
2	15634.71	45.39	54.00	-8.61	28.63	12.58	37.98	33.80	150	175	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15623.65	58.54	74.00	-15.46	41.73	12.58	38.01	33.78	152	160	Peak	VERTICAL
2	15634.29	45.10	54.00	-8.90	28.34	12.58	37.98	33.80	152	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15868.91	57.58	74.00	-16.42	41.45	12.57	37.59	34.03	153	176 Peak	HORIZONTAL
2	15878.94	44.92	54.00	-9.08	28.79	12.57	37.59	34.03	153	176 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15873.33	58.03	74.00	-15.97	41.90	12.57	37.59	34.03	155	197 Peak	VERTICAL
2	15877.92	44.81	54.00	-9.19	28.68	12.57	37.59	34.03	155	197 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11066.89	43.04	54.00	-10.96	27.37	10.58	38.47	33.38	153	213	Average	HORIZONTAL
2	11067.95	56.12	74.00	-17.88	40.45	10.58	38.47	33.38	153	213	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11056.60	56.21	74.00	-17.79	40.55	10.57	38.47	33.38	152	227	Peak	VERTICAL
2	11060.77	42.92	54.00	-11.08	27.25	10.58	38.47	33.38	152	227	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

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	11211.15	55.97	74.00	-18.03	40.11	10.62	38.62	33.38	151	244	Peak	HORIZONTAL
2	11225.35	42.94	54.00	-11.06	27.07	10.63	38.62	33.38	151	244	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	11217.72	42.82	54.00	-11.18	26.95	10.63	38.62	33.38	153	259	Average	VERTICAL
2	11229.07	55.97	74.00	-18.03	40.09	10.63	38.63	33.38	153	259	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11540.71	43.31	54.00	-10.69	27.04	10.73	38.92	33.38	150	313	Average	HORIZONTAL
2	11559.33	56.55	74.00	-17.45	40.25	10.75	38.93	33.38	150	313	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11544.65	56.59	74.00	-17.41	40.30	10.75	38.92	33.38	153	328	Peak	VERTICAL
2	11550.64	43.27	54.00	-10.73	26.97	10.75	38.93	33.38	153	328	Average	VERTICAL

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11435.87	44.09	54.00	-9.91	27.94	10.69	38.83	33.37	151	70	Average	HORIZONTAL
2	11448.59	57.13	74.00	-16.87	40.95	10.70	38.85	33.37	151	70	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11438.62	45.18	54.00	-8.82	29.03	10.69	38.83	33.37	154	88	Average	VERTICAL
2	11439.42	58.27	74.00	-15.73	42.12	10.69	38.83	33.37	154	88	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11419.07	56.89	74.00	-17.11	40.75	10.69	38.82	33.37	150	234 Peak	HORIZONTAL
2	11423.21	43.95	54.00	-10.05	27.81	10.69	38.82	33.37	150	234 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11424.23	43.89	54.00	-10.11	27.75	10.69	38.82	33.37	153	220 Average	VERTICAL
2	11429.81	56.74	74.00	-17.26	40.59	10.69	38.83	33.37	153	220 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11386.76	56.93	74.00	-17.07	40.84	10.68	38.78	33.37	154	279	Peak	HORIZONTAL
2	11388.81	43.72	54.00	-10.28	27.63	10.68	38.78	33.37	154	279	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11372.02	43.59	54.00	-10.41	27.51	10.68	38.77	33.37	152	297	Average	VERTICAL
2	11372.72	57.02	74.00	-16.98	40.94	10.68	38.77	33.37	152	297	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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15541.43	45.58	54.00	-8.42	28.56	12.58	38.14	33.70	157	325	Average
2	15541.68	59.00	74.00	-15.00	41.98	12.58	38.14	33.70	157	325	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15538.08	58.41	74.00	-15.59	41.39	12.58	38.14	33.70	157	348	Peak
2	15540.95	46.60	54.00	-7.40	29.58	12.58	38.14	33.70	157	348	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

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	15597.82	58.83	74.00	-15.17	41.97	12.58	38.03	33.75	157	317	Peak	HORIZONTAL
2	15601.07	45.74	54.00	-8.26	28.91	12.58	38.03	33.78	157	317	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	15598.68	45.42	54.00	-8.58	28.56	12.58	38.03	33.75	140	301	Average	VERTICAL
2	15602.41	58.45	74.00	-15.55	41.62	12.58	38.03	33.78	140	301	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15718.54	59.14	74.00	-14.86	42.61	12.57	37.84	33.88	140	298 Peak	HORIZONTAL
2	15719.96	45.71	54.00	-8.29	29.18	12.57	37.84	33.88	140	298 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15718.43	58.80	74.00	-15.20	42.27	12.57	37.84	33.88	140	309 Peak	VERTICAL
2	15719.03	45.39	54.00	-8.61	28.86	12.57	37.84	33.88	140	309 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15775.00	67.34	74.00	-6.66	50.94	12.57	37.76	33.93	172	181	Peak	HORIZONTAL
2	15780.26	53.00	54.00	-1.00	36.62	12.57	37.76	33.95	172	181	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15782.31	50.13	54.00	-3.87	33.78	12.57	37.73	33.95	146	196	Average	VERTICAL
2	15782.56	60.75	74.00	-13.25	44.40	12.57	37.73	33.95	146	196	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15900.03	45.47	54.00	-8.53	29.38	12.57	37.57	34.05	140	308	Average	HORIZONTAL
2	15901.04	58.36	74.00	-15.64	42.30	12.57	37.54	34.05	140	308	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15898.38	45.05	54.00	-8.95	28.96	12.57	37.57	34.05	140	316	Average	VERTICAL
2	15898.53	58.60	74.00	-15.40	42.51	12.57	37.57	34.05	140	316	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15959.55	58.40	74.00	-15.60	42.51	12.56	37.46	34.13	140	299 Peak	HORIZONTAL
2	15959.57	45.45	54.00	-8.55	29.56	12.56	37.46	34.13	140	299 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15960.43	58.47	74.00	-15.53	42.58	12.56	37.46	34.13	144	171 Peak	VERTICAL
2	15962.17	44.91	54.00	-9.09	29.02	12.56	37.46	34.13	144	171 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	10998.16	57.00	74.00	-17.00	41.43	10.55	38.40	33.38	172	181	Peak
2	11000.25	44.24	54.00	-9.76	28.67	10.55	38.40	33.38	172	181	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	10998.77	57.30	74.00	-16.70	41.73	10.55	38.40	33.38	144	189	Peak
2	11000.12	44.18	54.00	-9.82	28.61	10.55	38.40	33.38	144	189	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11157.76	44.11	54.00	-9.89	28.32	10.60	38.57	33.38	171	183	Average	HORIZONTAL
2	11162.53	56.59	74.00	-17.41	40.79	10.61	38.57	33.38	171	183	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11157.63	57.49	74.00	-16.51	41.70	10.60	38.57	33.38	142	191	Peak	VERTICAL
2	11164.49	44.38	54.00	-9.62	28.58	10.61	38.57	33.38	142	191	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11392.79	57.02	74.00	-16.98	40.92	10.69	38.78	33.37	170	184 Peak	HORIZONTAL
2	11399.39	44.08	54.00	-9.92	27.96	10.69	38.80	33.37	170	184 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11396.99	56.82	74.00	-17.18	40.70	10.69	38.80	33.37	142	199 Peak	VERTICAL
2	11407.28	44.34	54.00	-9.66	28.22	10.69	38.80	33.37	142	199 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.57	43.45	54.00	-10.55	27.23	10.71	38.88	33.37	198	244	Average	HORIZONTAL
2	11491.43	57.06	74.00	-16.94	40.84	10.71	38.88	33.37	198	244	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11488.60	43.97	54.00	-10.03	27.75	10.71	38.88	33.37	189	202	Average	VERTICAL
2	11489.66	57.60	74.00	-16.40	41.38	10.71	38.88	33.37	189	202	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11567.02	62.60	74.00	-11.40	46.29	10.75	38.94	33.38	208	183	Peak	HORIZONTAL
2	11569.42	48.36	54.00	-5.64	32.05	10.75	38.94	33.38	208	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	11569.01	61.21	74.00	-12.79	44.90	10.75	38.94	33.38	213	172	Peak	VERTICAL
2	11569.23	47.53	54.00	-6.47	31.22	10.75	38.94	33.38	213	172	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11651.22	44.00	54.00	-10.00	27.61	10.81	38.99	33.41	189	168	Average	HORIZONTAL
2	11654.49	55.57	74.00	-18.43	39.18	10.81	38.99	33.41	189	168	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.58	44.28	54.00	-9.72	27.90	10.81	38.98	33.41	213	183	Average	VERTICAL
2	11654.49	57.00	74.00	-17.00	40.61	10.81	38.99	33.41	213	183	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15569.62	45.28	54.00	-8.72	28.34	12.58	38.09	33.73	189	196	Average	HORIZONTAL
2	15570.14	58.97	74.00	-15.03	42.03	12.58	38.09	33.73	189	196	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15569.22	59.24	74.00	-14.76	42.30	12.58	38.09	33.73	191	205	Peak	VERTICAL
2	15571.72	45.25	54.00	-8.75	28.31	12.58	38.09	33.73	191	205	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15691.23	58.63	74.00	-15.37	42.00	12.58	37.90	33.85	189	200	Peak	HORIZONTAL
2	15691.90	45.49	54.00	-8.51	28.86	12.58	37.90	33.85	189	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15688.49	58.51	74.00	-15.49	41.88	12.58	37.90	33.85	204	127	Peak	VERTICAL
2	15690.26	45.67	54.00	-8.33	29.04	12.58	37.90	33.85	204	127	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.13	44.81	54.00	-9.19	28.52	12.57	37.70	33.98	189	155	Average	HORIZONTAL
2	15811.15	57.57	74.00	-16.43	41.28	12.57	37.70	33.98	189	155	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15808.44	44.77	54.00	-9.23	28.48	12.57	37.70	33.98	193	176	Average	VERTICAL
2	15810.38	57.73	74.00	-16.27	41.44	12.57	37.70	33.98	193	176	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15930.46	57.67	74.00	-16.33	41.70	12.56	37.51	34.10	187	174	Peak	HORIZONTAL
2	15932.19	44.73	54.00	-9.27	28.76	12.56	37.51	34.10	187	174	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15928.05	44.89	54.00	-9.11	28.90	12.56	37.51	34.08	193	192	Average	VERTICAL
2	15932.47	58.08	74.00	-15.92	42.11	12.56	37.51	34.10	193	192	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11017.99	43.62	54.00	-10.38	28.02	10.56	38.42	33.38	186	188	Average	HORIZONTAL
2	11021.30	56.33	74.00	-17.67	40.73	10.56	38.42	33.38	186	188	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11017.72	43.36	54.00	-10.64	27.76	10.56	38.42	33.38	212	199	Average	VERTICAL
2	11017.72	56.71	74.00	-17.29	41.11	10.56	38.42	33.38	212	199	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11098.62	56.84	74.00	-17.16	41.14	10.58	38.50	33.38	204	259 Peak	HORIZONTAL
2	11102.48	43.60	54.00	-10.40	27.90	10.58	38.50	33.38	204	259 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11099.73	56.05	74.00	-17.95	40.35	10.58	38.50	33.38	186	244 Peak	VERTICAL
2	11099.92	43.62	54.00	-10.38	27.92	10.58	38.50	33.38	186	244 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.42	57.31	74.00	-16.69	41.29	10.66	38.73	33.37	204	228	Peak	HORIZONTAL
2	11341.03	43.80	54.00	-10.20	27.77	10.67	38.73	33.37	204	228	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11337.90	43.96	54.00	-10.04	27.94	10.66	38.73	33.37	198	202	Average	VERTICAL
2	11339.01	56.98	74.00	-17.02	40.96	10.66	38.73	33.37	198	202	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11507.63	44.01	54.00	-9.99	27.76	10.72	38.90	33.37	154	182	Average	HORIZONTAL
2	11510.05	57.29	74.00	-16.71	41.04	10.72	38.90	33.37	154	182	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11509.52	44.14	54.00	-9.86	27.89	10.72	38.90	33.37	158	171	Average	VERTICAL
2	11509.54	57.11	74.00	-16.89	40.86	10.72	38.90	33.37	158	171	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11589.33	44.06	54.00	-9.94	27.74	10.76	38.95	33.39	162	155	Average	HORIZONTAL
2	11591.53	58.13	74.00	-15.87	41.81	10.76	38.95	33.39	162	155	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11590.57	57.17	74.00	-16.83	40.85	10.76	38.95	33.39	158	183	Peak	VERTICAL
2	11591.76	43.90	54.00	-10.10	27.58	10.76	38.95	33.39	158	183	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15630.63	45.34	54.00	-8.66	28.58	12.58	37.98	33.80	167	166	Average	HORIZONTAL
2	15632.43	58.50	74.00	-15.50	41.74	12.58	37.98	33.80	167	166	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15629.48	45.13	54.00	-8.87	28.37	12.58	37.98	33.80	165	149	Average	VERTICAL
2	15629.48	57.67	74.00	-16.33	40.91	12.58	37.98	33.80	165	149	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.01	58.77	74.00	-15.23	42.64	12.57	37.59	34.03	167	174	Peak	HORIZONTAL
2	15871.08	44.90	54.00	-9.10	28.77	12.57	37.59	34.03	167	174	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	15871.19	45.02	54.00	-8.98	28.89	12.57	37.59	34.03	165	189	Average	VERTICAL
2	15871.77	58.02	74.00	-15.98	41.89	12.57	37.59	34.03	165	189	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11058.13	43.42	54.00	-10.58	27.76	10.57	38.47	33.38	182	213	Average	HORIZONTAL
2	11061.00	56.82	74.00	-17.18	41.15	10.58	38.47	33.38	182	213	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.41	56.57	74.00	-17.43	40.90	10.58	38.47	33.38	180	103	Peak	VERTICAL
2	11061.47	43.37	54.00	-10.63	27.70	10.58	38.47	33.38	180	103	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.84	57.55	74.00	-16.45	41.68	10.63	38.62	33.38	176	196	Peak	HORIZONTAL
2	11222.18	43.26	54.00	-10.74	27.39	10.63	38.62	33.38	176	196	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.42	56.34	74.00	-17.66	40.47	10.63	38.62	33.38	180	172	Peak	VERTICAL
2	11220.61	43.40	54.00	-10.60	27.53	10.63	38.62	33.38	180	172	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

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	11549.93	57.15	74.00	-16.85	40.85	10.75	38.93	33.38	195	218	Peak	HORIZONTAL
2	11551.74	43.97	54.00	-10.03	27.67	10.75	38.93	33.38	195	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	11547.76	44.06	54.00	-9.94	27.77	10.75	38.92	33.38	165	177	Average	VERTICAL
2	11551.12	57.06	74.00	-16.94	40.76	10.75	38.93	33.38	165	177	Peak	VERTICAL

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.97	51.29	54.00	-2.71	35.14	10.69	38.83	33.37	198	246	Average	HORIZONTAL
2	11440.00	65.39	74.00	-8.61	49.24	10.69	38.83	33.37	198	246	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.74	50.88	54.00	-3.12	34.73	10.69	38.83	33.37	196	173	Average	VERTICAL
2	11442.21	64.07	74.00	-9.93	47.92	10.69	38.83	33.37	196	173	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11419.80	60.36	74.00	-13.64	44.22	10.69	38.82	33.37	154	160	Peak	HORIZONTAL
2	11419.81	48.52	54.00	-5.48	32.38	10.69	38.82	33.37	154	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11419.82	48.57	54.00	-5.43	32.43	10.69	38.82	33.37	122	174	Average	VERTICAL
2	11422.06	62.59	74.00	-11.41	46.45	10.69	38.82	33.37	122	174	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11380.03	56.61	74.00	-17.39	40.52	10.68	38.78	33.37	123	189	Peak	HORIZONTAL
2	11382.50	44.14	54.00	-9.86	28.05	10.68	38.78	33.37	123	189	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11377.84	43.86	54.00	-10.14	27.78	10.68	38.77	33.37	165	199	Average	VERTICAL
2	11381.55	57.58	74.00	-16.42	41.49	10.68	38.78	33.37	165	199	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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15542.64	45.43	54.00	-8.57	32.89	10.04	38.22	35.72	154	132	HORIZONTAL Average
2	15544.08	58.53	74.00	-15.47	45.99	10.04	38.22	35.72	154	132	HORIZONTAL Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15532.44	45.20	54.00	-8.80	32.66	10.04	38.22	35.72	158	289	VERTICAL Average
2	15543.56	58.23	74.00	-15.77	45.69	10.04	38.22	35.72	158	289	VERTICAL Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15602.04	48.56	54.00	-5.44	35.98	10.06	38.25	35.73	152	210	HORIZONTAL Average
2	15602.24	62.50	74.00	-11.50	49.92	10.06	38.25	35.73	152	210	HORIZONTAL Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15598.68	46.98	54.00	-7.02	34.41	10.06	38.24	35.73	167	202	VERTICAL Average
2	15598.72	60.03	74.00	-13.97	47.46	10.06	38.24	35.73	167	202	VERTICAL Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15717.32	49.87	54.00	-4.13	37.24	10.09	38.29	35.75	151	209	HORIZONTAL Average
2	15726.84	63.84	74.00	-10.16	51.21	10.09	38.29	35.75	151	209	HORIZONTAL Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15718.80	48.30	54.00	-5.70	35.67	10.09	38.29	35.75	156	171	VERTICAL Average
2	15723.68	62.10	74.00	-11.90	49.47	10.09	38.29	35.75	156	171	VERTICAL Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15782.00	66.08	74.00	-7.92	53.41	10.10	38.33	35.76	151	211	HORIZONTAL Peak
2	15782.12	52.27	54.00	-1.73	39.60	10.10	38.33	35.76	151	211	HORIZONTAL Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15772.12	64.47	74.00	-9.53	51.82	10.10	38.31	35.76	149	200	VERTICAL Peak
2	15777.56	50.35	54.00	-3.65	37.70	10.10	38.31	35.76	149	200	VERTICAL Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.88	43.37	54.00	-10.63	29.83	8.31	39.06	33.83	156	306	HORIZONTAL	Average
2	10600.60	55.68	74.00	-18.32	42.14	8.31	39.06	33.83	156	306	HORIZONTAL	Peak
3	15897.68	59.29	74.00	-14.71	46.58	10.12	38.36	35.77	144	39	HORIZONTAL	Peak
4	15902.76	46.75	54.00	-7.25	34.04	10.12	38.36	35.77	144	39	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10605.76	56.07	74.00	-17.93	42.54	8.31	39.06	33.84	169	72	VERTICAL	Peak
2	10606.52	43.22	54.00	-10.78	29.68	8.32	39.06	33.84	169	72	VERTICAL	Average
3	15897.68	58.76	74.00	-15.24	46.05	10.12	38.36	35.77	147	313	VERTICAL	Peak
4	15902.72	45.64	54.00	-8.36	32.93	10.12	38.36	35.77	147	313	VERTICAL	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10642.72	43.07	54.00	-10.93	29.52	8.33	39.08	33.86	149	70	HORIZONTAL	Average
2	10645.76	55.46	74.00	-18.54	41.91	8.33	39.08	33.86	149	70	HORIZONTAL	Peak
3	15963.64	58.37	74.00	-15.63	45.62	10.15	38.38	35.78	157	267	HORIZONTAL	Peak
4	15966.68	45.64	54.00	-8.36	32.87	10.15	38.40	35.78	157	267	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10633.68	42.66	54.00	-11.34	29.10	8.32	39.08	33.84	160	306	VERTICAL	Average
2	10634.16	56.08	74.00	-17.92	42.52	8.32	39.08	33.84	160	306	VERTICAL	Peak
3	15956.20	58.97	74.00	-15.03	46.23	10.14	38.38	35.78	165	135	VERTICAL	Peak
4	15960.36	45.65	54.00	-8.35	32.91	10.14	38.38	35.78	165	135	VERTICAL	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	10997.76	42.75	54.00	-11.25	29.04	8.42	39.30	34.01	162	303	HORIZONTAL Average
2	11002.80	54.74	74.00	-19.26	41.02	8.43	39.30	34.01	162	303	HORIZONTAL Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	10997.52	54.29	74.00	-19.71	40.58	8.42	39.30	34.01	151	62	VERTICAL Peak
2	10998.68	42.31	54.00	-11.69	28.59	8.43	39.30	34.01	151	62	VERTICAL Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11157.24	59.14	74.00	-14.86	45.46	8.52	39.27	34.11	157	158	HORIZONTAL Peak
2	11161.72	46.17	54.00	-7.83	32.49	8.52	39.27	34.11	157	158	HORIZONTAL Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11160.52	43.06	54.00	-10.94	29.38	8.52	39.27	34.11	156	343	VERTICAL Average
2	11162.52	55.04	74.00	-18.96	41.36	8.52	39.27	34.11	156	343	VERTICAL Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11400.60	55.64	74.00	-18.36	42.04	8.66	39.22	34.28	153	117	HORIZONTAL Peak
2	11402.36	43.41	54.00	-10.59	29.81	8.66	39.22	34.28	153	117	HORIZONTAL Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11391.20	55.72	74.00	-18.28	42.10	8.66	39.22	34.26	157	302	VERTICAL Peak
2	11402.36	43.76	54.00	-10.24	30.16	8.66	39.22	34.28	157	302	VERTICAL Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11486.44	53.79	74.00	-20.21	40.19	8.73	39.20	34.33	156	37	HORIZONTAL Peak
2	11489.96	42.25	54.00	-11.75	28.65	8.73	39.20	34.33	156	37	HORIZONTAL Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11492.36	42.83	54.00	-11.17	29.23	8.73	39.20	34.33	151	287	VERTICAL Average
2	11493.38	54.25	74.00	-19.75	40.65	8.73	39.20	34.33	151	287	VERTICAL Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11569.62	48.73	54.00	-5.27	35.15	8.78	39.17	34.37	152	310	HORIZONTAL Average
2	11574.32	62.25	74.00	-11.75	48.67	8.78	39.17	34.37	152	310	HORIZONTAL Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11568.62	47.98	54.00	-6.02	34.40	8.78	39.17	34.37	152	215	VERTICAL Average
2	11568.88	61.37	74.00	-12.63	47.79	8.78	39.17	34.37	152	215	VERTICAL Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 03, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11642.24	44.85	54.00	-9.15	28.48	10.79	38.98	33.40	150	352	Average	HORIZONTAL
2	11642.24	55.85	74.00	-18.15	39.48	10.79	38.98	33.40	150	352	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.13	44.06	54.00	-9.94	27.68	10.81	38.98	33.41	163	188	Average	VERTICAL
2	11652.92	55.56	74.00	-18.44	39.17	10.81	38.99	33.41	163	188	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15569.98	57.40	74.00	-16.60	44.84	10.05	38.24	35.73	143	117	HORIZONTAL Peak
2	15570.42	43.85	54.00	-10.15	31.29	10.05	38.24	35.73	143	117	HORIZONTAL Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15569.69	58.01	74.00	-15.99	45.45	10.05	38.24	35.73	155	322	VERTICAL Peak
2	15570.58	43.99	54.00	-10.01	31.43	10.05	38.24	35.73	155	322	VERTICAL Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15686.56	57.70	74.00	-16.30	45.10	10.07	38.27	35.74	148	266	HORIZONTAL Peak
2	15693.36	44.77	54.00	-9.23	32.15	10.07	38.29	35.74	148	266	HORIZONTAL Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15689.94	57.69	74.00	-16.31	45.09	10.07	38.27	35.74	171	240	VERTICAL Peak
2	15691.64	44.42	54.00	-9.58	31.80	10.07	38.29	35.74	171	240	VERTICAL Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15812.16	58.79	74.00	-15.21	46.11	10.11	38.33	35.76	174	175	HORIZONTAL Peak
2	15813.84	44.53	54.00	-9.47	31.85	10.11	38.33	35.76	174	175	HORIZONTAL Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15807.40	44.45	54.00	-9.55	31.77	10.11	38.33	35.76	163	194	VERTICAL Average
2	15810.94	57.64	74.00	-16.36	44.96	10.11	38.33	35.76	163	194	VERTICAL Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10615.46	56.03	74.00	-17.97	42.49	8.32	39.06	33.84	178	198	HORIZONTAL	Peak
2	10619.84	42.68	54.00	-11.32	29.14	8.32	39.06	33.84	178	198	HORIZONTAL	Average
3	15927.78	58.80	74.00	-15.20	46.06	10.14	38.38	35.78	149	315	HORIZONTAL	Peak
4	15933.44	45.49	54.00	-8.51	32.75	10.14	38.38	35.78	149	315	HORIZONTAL	Average

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10615.98	42.96	54.00	-11.04	29.42	8.32	39.06	33.84	179	121	VERTICAL	Average
2	10621.96	55.70	74.00	-18.30	42.14	8.32	39.08	33.84	179	121	VERTICAL	Peak
3	15925.32	45.44	54.00	-8.56	32.70	10.14	38.38	35.78	158	177	VERTICAL	Average
4	15926.32	58.49	74.00	-15.51	45.75	10.14	38.38	35.78	158	177	VERTICAL	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11017.96	41.87	54.00	-12.13	28.15	8.43	39.30	34.01	159	211	HORIZONTAL Average
2	11020.02	54.53	74.00	-19.47	40.81	8.43	39.30	34.01	159	211	HORIZONTAL Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11017.16	41.65	54.00	-12.35	27.93	8.43	39.30	34.01	177	243	VERTICAL Average
2	11019.88	55.10	74.00	-18.90	41.38	8.43	39.30	34.01	177	243	VERTICAL Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11099.80	55.53	74.00	-18.47	41.83	8.48	39.28	34.06	138	197	HORIZONTAL Peak
2	11101.58	42.37	54.00	-11.63	28.69	8.48	39.28	34.08	138	197	HORIZONTAL Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11097.40	54.41	74.00	-19.59	40.71	8.48	39.28	34.06	173	40	VERTICAL Peak
2	11102.76	41.95	54.00	-12.05	28.27	8.48	39.28	34.08	173	40	VERTICAL Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11342.60	42.87	54.00	-11.13	29.23	8.64	39.23	34.23	159	154	HORIZONTAL Average
2	11345.00	55.19	74.00	-18.81	41.55	8.64	39.23	34.23	159	154	HORIZONTAL Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11342.24	55.36	74.00	-18.64	41.72	8.64	39.23	34.23	154	210	VERTICAL Peak
2	11344.64	42.96	54.00	-11.04	29.32	8.64	39.23	34.23	154	210	VERTICAL Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 03, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11509.23	45.86	54.00	-8.14	29.61	10.72	38.90	33.37	157	178	Average
2	11510.16	57.58	74.00	-16.42	41.33	10.72	38.90	33.37	157	178	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11509.23	44.86	54.00	-9.14	28.61	10.72	38.90	33.37	123	178	Average
2	11510.16	57.48	74.00	-16.52	41.23	10.72	38.90	33.37	123	178	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11585.88	41.76	54.00	-12.24	28.21	8.78	39.16	34.39	161	126	HORIZONTAL Average
2	11594.76	54.95	74.00	-19.05	41.38	8.80	39.16	34.39	161	126	HORIZONTAL Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11587.16	55.24	74.00	-18.76	41.69	8.78	39.16	34.39	127	216	VERTICAL Peak
2	11594.02	41.90	54.00	-12.10	28.33	8.80	39.16	34.39	127	216	VERTICAL Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15627.02	57.25	74.00	-16.75	44.67	10.06	38.25	35.73	149	180	HORIZONTAL Peak
2	15627.38	44.12	54.00	-9.88	31.54	10.06	38.25	35.73	149	180	HORIZONTAL Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15626.88	44.34	54.00	-9.66	31.76	10.06	38.25	35.73	187	224	VERTICAL Average
2	15627.16	57.37	74.00	-16.63	44.79	10.06	38.25	35.73	187	224	VERTICAL Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 03, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15877.24	43.18	54.00	-10.82	27.05	12.57	37.59	34.03	163	211	Average	HORIZONTAL
2	15877.24	56.18	74.00	-17.82	40.05	12.57	37.59	34.03	163	211	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15876.73	45.10	54.00	-8.90	28.97	12.57	37.59	34.03	183	243	Average	VERTICAL
2	15876.73	56.10	74.00	-17.90	39.97	12.57	37.59	34.03	183	243	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 03, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11055.67	45.77	54.00	-8.23	30.11	10.57	38.47	33.38	145	136	Average	HORIZONTAL
2	11055.67	58.77	74.00	-15.23	43.11	10.57	38.47	33.38	145	136	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11050.22	57.70	74.00	-16.30	42.06	10.57	38.45	33.38	150	357	Peak	VERTICAL
2	11058.04	44.65	54.00	-9.35	28.99	10.57	38.47	33.38	150	357	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11216.36	42.48	54.00	-11.52	28.83	8.55	39.26	34.16	161	184	HORIZONTAL Average
2	11223.24	55.43	74.00	-18.57	41.77	8.57	39.25	34.16	161	184	HORIZONTAL Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11217.28	55.76	74.00	-18.24	42.11	8.55	39.26	34.16	172	156	VERTICAL Peak
2	11224.22	42.73	54.00	-11.27	29.07	8.57	39.25	34.16	172	156	VERTICAL Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11546.60	53.93	74.00	-20.07	40.36	8.75	39.19	34.37	160	189 HORIZONTAL	Peak
2	11551.38	40.89	54.00	-13.11	27.34	8.75	39.17	34.37	160	189 HORIZONTAL	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11547.20	54.20	74.00	-19.80	40.63	8.75	39.19	34.37	170	284 VERTICAL	Peak
2	11551.68	40.91	54.00	-13.09	27.36	8.75	39.17	34.37	170	284 VERTICAL	Average

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11436.84	51.01	54.00	-2.99	37.43	8.68	39.21	34.31	144	177	HORIZONTAL	Average
2	11441.80	64.14	74.00	-9.86	50.53	8.71	39.21	34.31	144	177	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.04	67.81	74.00	-6.19	54.23	8.68	39.21	34.31	147	208	VERTICAL	Peak
2	11439.52	52.70	54.00	-1.30	39.12	8.68	39.21	34.31	147	208	VERTICAL	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11417.04	48.85	54.00	-5.15	35.23	8.68	39.22	34.28	149	177	HORIZONTAL Average
2	11421.42	62.34	74.00	-11.66	48.73	8.68	39.21	34.28	149	177	HORIZONTAL Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11418.62	66.00	74.00	-8.00	52.39	8.68	39.21	34.28	145	208	VERTICAL Peak
2	11419.80	50.92	54.00	-3.08	37.31	8.68	39.21	34.28	145	208	VERTICAL Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11376.86	43.24	54.00	-10.76	29.61	8.66	39.23	34.26	197	208	HORIZONTAL	Average
2	11381.98	55.70	74.00	-18.30	42.07	8.66	39.23	34.26	197	208	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.10	42.43	54.00	-11.57	28.80	8.66	39.23	34.26	187	125	VERTICAL	Average
2	11383.42	55.29	74.00	-18.71	41.66	8.66	39.23	34.26	187	125	VERTICAL	Peak

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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15540.29	58.60	74.00	-15.40	41.58	12.58	38.14	33.70	152	330	Peak	HORIZONTAL
2	15549.94	45.29	54.00	-8.71	28.32	12.58	38.12	33.73	152	330	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15535.71	46.47	54.00	-7.53	29.45	12.58	38.14	33.70	148	327	Average	VERTICAL
2	15542.56	59.09	74.00	-14.91	42.07	12.58	38.14	33.70	148	327	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

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	15596.70	59.20	74.00	-14.80	42.34	12.58	38.03	33.75	151	8	Peak	HORIZONTAL
2	15599.04	47.03	54.00	-6.97	30.20	12.58	38.03	33.78	151	8	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	15595.45	45.46	54.00	-8.54	28.60	12.58	38.03	33.75	153	311	Average	VERTICAL
2	15604.62	57.73	74.00	-16.27	40.90	12.58	38.03	33.78	153	311	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15718.88	45.37	54.00	-8.63	28.84	12.57	37.84	33.88	151	274	Average
2	15721.06	58.15	74.00	-15.85	41.62	12.57	37.84	33.88	151	274	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15724.17	59.08	74.00	-14.92	42.55	12.57	37.84	33.88	150	285	Peak
2	15727.50	45.31	54.00	-8.69	28.80	12.57	37.84	33.90	150	285	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15778.33	47.22	54.00	-6.78	30.84	12.57	37.76	33.95	150	250	Average	HORIZONTAL
2	15780.54	60.67	74.00	-13.33	44.29	12.57	37.76	33.95	150	250	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15775.22	45.95	54.00	-8.05	29.55	12.57	37.76	33.93	152	263	Average	VERTICAL
2	15776.63	58.54	74.00	-15.46	42.14	12.57	37.76	33.93	152	263	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.26	55.12	74.00	-18.88	40.19	10.16	38.40	33.63	157	169	Peak	HORIZONTAL
2	10609.29	42.53	54.00	-11.47	27.56	10.19	38.40	33.62	157	169	Average	HORIZONTAL
3	15895.64	57.93	74.00	-16.07	41.84	12.57	37.57	34.05	158	157	Peak	HORIZONTAL
4	15900.32	44.19	54.00	-9.81	28.10	12.57	37.57	34.05	158	157	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10607.05	43.02	54.00	-10.98	28.05	10.19	38.40	33.62	157	180	Average	VERTICAL
2	10607.12	54.86	74.00	-19.14	39.89	10.19	38.40	33.62	157	180	Peak	VERTICAL
3	15904.58	59.37	74.00	-14.63	43.31	12.57	37.54	34.05	159	190	Peak	VERTICAL
4	15905.87	45.74	54.00	-8.26	29.72	12.56	37.54	34.08	159	190	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10642.98	56.15	74.00	-17.85	41.14	10.21	38.40	33.60	155	126 Peak	HORIZONTAL
2	10646.54	42.95	54.00	-11.05	27.94	10.21	38.40	33.60	155	126 Average	HORIZONTAL
3	15954.52	57.79	74.00	-16.21	41.87	12.56	37.46	34.10	151	114 Peak	HORIZONTAL
4	15957.12	44.80	54.00	-9.20	28.91	12.56	37.46	34.13	151	114 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10637.95	55.81	74.00	-18.19	40.80	10.21	38.40	33.60	156	144 Peak	VERTICAL
2	10645.45	43.11	54.00	-10.89	28.10	10.21	38.40	33.60	156	144 Average	VERTICAL
3	15954.46	58.61	74.00	-15.39	42.69	12.56	37.46	34.10	153	100 Peak	VERTICAL
4	15960.71	44.85	54.00	-9.15	28.96	12.56	37.46	34.13	153	100 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

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	10997.72	57.01	74.00	-16.99	41.44	10.55	38.40	33.38	154	71	Peak	HORIZONTAL
2	10999.62	43.59	54.00	-10.41	28.02	10.55	38.40	33.38	154	71	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11006.31	43.49	54.00	-10.51	27.90	10.55	38.42	33.38	154	89	Average	VERTICAL
2	11009.55	55.94	74.00	-18.06	40.34	10.56	38.42	33.38	154	89	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.87	59.48	74.00	-14.52	43.69	10.60	38.57	33.38	151	14	Peak	HORIZONTAL
2	11161.92	46.31	54.00	-7.69	30.51	10.61	38.57	33.38	151	14	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.58	56.73	74.00	-17.27	40.94	10.60	38.57	33.38	151	82	Peak	VERTICAL
2	11160.96	44.57	54.00	-9.43	28.78	10.60	38.57	33.38	151	82	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11391.57	57.25	74.00	-16.75	41.15	10.69	38.78	33.37	150	81	Peak	HORIZONTAL
2	11393.33	44.39	54.00	-9.61	28.29	10.69	38.78	33.37	150	81	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11396.25	58.60	74.00	-15.40	42.48	10.69	38.80	33.37	151	60	Peak
2	11398.56	45.34	54.00	-8.66	29.22	10.69	38.80	33.37	151	60	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11484.36	56.89	74.00	-17.11	40.67	10.71	38.88	33.37	153	156 Peak	HORIZONTAL
2	11485.35	44.42	54.00	-9.58	28.20	10.71	38.88	33.37	153	156 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11486.03	44.29	54.00	-9.71	28.07	10.71	38.88	33.37	153	133 Average	VERTICAL
2	11489.04	57.15	74.00	-16.85	40.93	10.71	38.88	33.37	153	133 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11572.02	51.80	54.00	-2.20	35.49	10.76	38.94	33.39	161	295	Average	HORIZONTAL
2	11575.64	65.45	74.00	-8.55	49.14	10.76	38.94	33.39	161	295	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.10	46.62	54.00	-7.38	30.31	10.76	38.94	33.39	156	359	Average	VERTICAL
2	11576.57	60.11	74.00	-13.89	43.80	10.76	38.94	33.39	156	359	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

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	11644.94	56.82	74.00	-17.18	40.45	10.79	38.98	33.40	152	199	Peak	HORIZONTAL
2	11660.00	44.21	54.00	-9.79	27.82	10.81	38.99	33.41	152	199	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	11642.34	44.17	54.00	-9.83	27.80	10.79	38.98	33.40	147	176	Average	VERTICAL
2	11657.88	56.86	74.00	-17.14	40.47	10.81	38.99	33.41	147	176	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

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	15567.60	58.46	74.00	-15.54	41.52	12.58	38.09	33.73	154	323	Peak	HORIZONTAL
2	15574.68	45.53	54.00	-8.47	28.61	12.58	38.09	33.75	154	323	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	15575.77	45.48	54.00	-8.52	28.56	12.58	38.09	33.75	152	338	Average	VERTICAL
2	15576.25	58.11	74.00	-15.89	41.19	12.58	38.09	33.75	152	338	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15684.68	45.80	54.00	-8.20	29.17	12.58	37.90	33.85	152	175	Average	HORIZONTAL
2	15685.74	58.23	74.00	-15.77	41.60	12.58	37.90	33.85	152	175	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15690.77	45.86	54.00	-8.14	29.23	12.58	37.90	33.85	154	4	Average	VERTICAL
2	15692.44	58.90	74.00	-15.10	42.27	12.58	37.90	33.85	154	4	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15803.62	57.66	74.00	-16.34	41.37	12.57	37.70	33.98	155	222	Peak	HORIZONTAL
2	15805.03	44.91	54.00	-9.09	28.62	12.57	37.70	33.98	155	222	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15800.64	57.89	74.00	-16.11	41.57	12.57	37.70	33.95	153	193	Peak	VERTICAL
2	15805.71	45.37	54.00	-8.63	29.08	12.57	37.70	33.98	153	193	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10618.08	56.16	74.00	-17.84	41.19	10.19	38.40	33.62	151	314 Peak	HORIZONTAL
2	10624.49	43.10	54.00	-10.90	28.13	10.19	38.40	33.62	151	314 Average	HORIZONTAL
3	15925.03	58.10	74.00	-15.90	42.11	12.56	37.51	34.08	153	295 Peak	HORIZONTAL
4	15926.35	45.01	54.00	-8.99	29.02	12.56	37.51	34.08	153	295 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10626.44	55.79	74.00	-18.21	40.78	10.21	38.40	33.60	153	256 Peak	VERTICAL
2	10627.44	43.31	54.00	-10.69	28.30	10.21	38.40	33.60	153	256 Average	VERTICAL
3	15926.12	58.43	74.00	-15.57	42.44	12.56	37.51	34.08	151	274 Peak	VERTICAL
4	15936.79	45.09	54.00	-8.91	29.15	12.56	37.48	34.10	151	274 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

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	11012.12	56.35	74.00	-17.65	40.75	10.56	38.42	33.38	152	271	Peak	HORIZONTAL
2	11013.43	43.38	54.00	-10.62	27.78	10.56	38.42	33.38	152	271	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	11014.71	43.55	54.00	-10.45	27.95	10.56	38.42	33.38	151	252	Average	VERTICAL
2	11014.81	56.12	74.00	-17.88	40.52	10.56	38.42	33.38	151	252	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11095.35	56.15	74.00	-17.85	40.45	10.58	38.50	33.38	154	315	Peak	HORIZONTAL
2	11103.14	43.43	54.00	-10.57	27.73	10.58	38.50	33.38	154	315	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11092.98	56.67	74.00	-17.33	40.97	10.58	38.50	33.38	152	334	Peak
2	11105.26	43.59	54.00	-10.41	27.89	10.58	38.50	33.38	152	334	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11336.57	56.85	74.00	-17.15	40.83	10.66	38.73	33.37	151	276	Peak	HORIZONTAL
2	11342.40	43.89	54.00	-10.11	27.86	10.67	38.73	33.37	151	276	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11331.70	56.76	74.00	-17.24	40.74	10.66	38.73	33.37	153	293	Peak	VERTICAL
2	11338.11	44.26	54.00	-9.74	28.24	10.66	38.73	33.37	153	293	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11486.04	44.07	54.00	-9.93	27.85	10.71	38.88	33.37	151	208	Average
2	11507.84	57.07	74.00	-16.93	40.82	10.72	38.90	33.37	151	208	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11493.01	57.19	74.00	-16.81	40.97	10.71	38.88	33.37	152	225	Peak	VERTICAL
2	11501.43	44.43	54.00	-9.57	28.18	10.72	38.90	33.37	152	225	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11585.77	44.25	54.00	-9.75	27.93	10.76	38.95	33.39	152	238	Average	HORIZONTAL
2	11589.68	57.29	74.00	-16.71	40.97	10.76	38.95	33.39	152	238	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11580.22	44.11	54.00	-9.89	27.80	10.76	38.94	33.39	152	215	Average	VERTICAL
2	11581.22	56.99	74.00	-17.01	40.68	10.76	38.94	33.39	152	215	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15632.02	58.56	74.00	-15.44	41.80	12.58	37.98	33.80	152	277	Peak	HORIZONTAL
2	15635.22	45.54	54.00	-8.46	28.78	12.58	37.98	33.80	152	277	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15626.54	45.63	54.00	-8.37	28.84	12.58	38.01	33.80	154	253	Average
2	15630.67	59.14	74.00	-14.86	42.38	12.58	37.98	33.80	154	253	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15869.65	58.47	74.00	-15.53	42.34	12.57	37.59	34.03	153	277 Peak	HORIZONTAL
2	15878.56	45.23	54.00	-8.77	29.10	12.57	37.59	34.03	153	277 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15865.64	57.84	74.00	-16.16	41.68	12.57	37.62	34.03	154	257 Peak	VERTICAL
2	15877.56	45.38	54.00	-8.62	29.25	12.57	37.59	34.03	154	257 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.81	56.48	74.00	-17.52	40.81	10.58	38.47	33.38	150	319	Peak	HORIZONTAL
2	11067.50	43.24	54.00	-10.76	27.57	10.58	38.47	33.38	150	319	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11056.15	56.45	74.00	-17.55	40.79	10.57	38.47	33.38	151	298	Peak	VERTICAL
2	11058.94	43.44	54.00	-10.56	27.78	10.57	38.47	33.38	151	298	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11211.06	43.12	54.00	-10.88	27.26	10.62	38.62	33.38	153	315	Average	HORIZONTAL
2	11225.54	57.30	74.00	-16.70	41.42	10.63	38.63	33.38	153	315	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11211.15	56.37	74.00	-17.63	40.51	10.62	38.62	33.38	152	339	Peak	VERTICAL
2	11226.73	43.37	54.00	-10.63	27.49	10.63	38.63	33.38	152	339	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.87	56.78	74.00	-17.22	40.47	10.76	38.94	33.39	154	298	Peak	HORIZONTAL
2	11574.84	44.25	54.00	-9.75	27.94	10.76	38.94	33.39	154	298	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11533.49	57.08	74.00	-16.92	40.81	10.73	38.92	33.38	153	314	Peak	VERTICAL
2	11549.52	44.32	54.00	-9.68	28.02	10.75	38.93	33.38	153	314	Average	VERTICAL

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.42	52.78	54.00	-1.22	36.63	10.69	38.83	33.37	152	290	Average	HORIZONTAL
2	11443.59	67.80	74.00	-6.20	51.64	10.70	38.83	33.37	152	290	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11437.21	50.07	54.00	-3.93	33.92	10.69	38.83	33.37	153	225	Average	VERTICAL
2	11437.37	63.53	74.00	-10.47	47.38	10.69	38.83	33.37	153	225	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11426.49	48.88	54.00	-5.12	32.74	10.69	38.82	33.37	152	198	Average
2	11429.29	61.13	74.00	-12.87	44.99	10.69	38.82	33.37	152	198	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11430.18	51.74	54.00	-2.26	35.59	10.69	38.83	33.37	157	296	Average
2	11434.58	64.35	74.00	-9.65	48.20	10.69	38.83	33.37	157	296	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11394.90	48.49	54.00	-5.51	32.39	10.69	38.78	33.37	152	292	Average	HORIZONTAL
2	11396.75	61.08	74.00	-12.92	44.96	10.69	38.80	33.37	152	292	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11393.46	45.15	54.00	-8.85	29.05	10.69	38.78	33.37	150	32	Average
2	11398.67	57.97	74.00	-16.03	41.85	10.69	38.80	33.37	150	32	Peak

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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15534.68	59.44	74.00	-14.56	42.42	12.58	38.14	33.70	149	1 Peak	HORIZONTAL
2	15540.45	47.17	54.00	-6.83	30.15	12.58	38.14	33.70	149	1 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15530.54	60.48	74.00	-13.52	43.46	12.58	38.14	33.70	153	1 Peak	VERTICAL
2	15540.99	47.34	54.00	-6.66	30.32	12.58	38.14	33.70	153	1 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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	15602.98	47.29	54.00	-6.71	30.46	12.58	38.03	33.78	157	140	Average	HORIZONTAL
2	15604.84	59.78	74.00	-14.22	42.95	12.58	38.03	33.78	157	140	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	15596.70	47.63	54.00	-6.37	30.77	12.58	38.03	33.75	165	61	Average	VERTICAL
2	15598.43	60.89	74.00	-13.11	44.03	12.58	38.03	33.75	165	61	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15710.71	59.42	74.00	-14.58	42.86	12.57	37.87	33.88	152	209	Peak	HORIZONTAL
2	15718.01	47.21	54.00	-6.79	30.68	12.57	37.84	33.88	152	209	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15714.65	47.32	54.00	-6.68	30.79	12.57	37.84	33.88	157	247	Average	VERTICAL
2	15716.51	59.36	74.00	-14.64	42.83	12.57	37.84	33.88	157	247	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.63	50.70	54.00	-3.30	34.32	12.57	37.76	33.95	158	191	Average	HORIZONTAL
2	15777.76	64.11	74.00	-9.89	47.73	12.57	37.76	33.95	158	191	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15774.87	61.69	74.00	-12.31	45.29	12.57	37.76	33.93	148	155	Peak
2	15779.46	48.91	54.00	-5.09	32.53	12.57	37.76	33.95	148	155	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.26	46.49	54.00	-7.51	31.56	10.16	38.40	33.63	161	347	Average	HORIZONTAL
2	10599.84	58.98	74.00	-15.02	44.05	10.16	38.40	33.63	161	347	Peak	HORIZONTAL
3	15899.74	48.60	54.00	-5.40	32.51	12.57	37.57	34.05	129	314	Average	HORIZONTAL
4	15899.97	62.40	74.00	-11.60	46.31	12.57	37.57	34.05	129	314	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.33	59.46	74.00	-14.54	44.53	10.16	38.40	33.63	150	231	Peak	VERTICAL
2	10599.39	46.78	54.00	-7.22	31.85	10.16	38.40	33.63	150	231	Average	VERTICAL
3	15892.47	59.54	74.00	-14.46	43.45	12.57	37.57	34.05	153	178	Peak	VERTICAL
4	15900.00	47.00	54.00	-7.00	30.91	12.57	37.57	34.05	153	178	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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	10637.08	45.04	54.00	-8.96	30.03	10.21	38.40	33.60	156	199	Average	HORIZONTAL
2	10648.56	57.22	74.00	-16.78	42.21	10.21	38.40	33.60	156	199	Peak	HORIZONTAL
3	15958.62	58.51	74.00	-15.49	42.62	12.56	37.46	34.13	163	94	Peak	HORIZONTAL
4	15962.60	46.43	54.00	-7.57	30.54	12.56	37.46	34.13	163	94	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10634.94	57.38	74.00	-16.62	42.37	10.21	38.40	33.60	147	109	Peak	VERTICAL
2	10636.83	45.09	54.00	-8.91	30.08	10.21	38.40	33.60	147	109	Average	VERTICAL
3	15960.48	59.11	74.00	-14.89	43.22	12.56	37.46	34.13	171	202	Peak	VERTICAL
4	15961.70	46.24	54.00	-7.76	30.35	12.56	37.46	34.13	171	202	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11007.15	45.30	54.00	-8.70	29.71	10.55	38.42	33.38	142	90 Average	HORIZONTAL
2	11008.56	57.62	74.00	-16.38	42.03	10.55	38.42	33.38	142	90 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	10991.76	57.25	74.00	-16.75	41.68	10.55	38.40	33.38	165	198 Peak	VERTICAL
2	11009.74	45.27	54.00	-8.73	29.67	10.56	38.42	33.38	165	198 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.33	58.81	74.00	-15.19	43.02	10.60	38.57	33.38	157	306	Peak	HORIZONTAL
2	11159.49	47.13	54.00	-6.87	31.34	10.60	38.57	33.38	157	306	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.52	58.86	74.00	-15.14	43.07	10.60	38.57	33.38	160	307	Peak	VERTICAL
2	11161.86	46.14	54.00	-7.86	30.34	10.61	38.57	33.38	160	307	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11391.54	57.61	74.00	-16.39	41.51	10.69	38.78	33.37	154	267	Peak	HORIZONTAL
2	11391.63	44.76	54.00	-9.24	28.66	10.69	38.78	33.37	154	267	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11398.01	57.65	74.00	-16.35	41.53	10.69	38.80	33.37	170	213	Peak	VERTICAL
2	11402.28	44.35	54.00	-9.65	28.23	10.69	38.80	33.37	170	213	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11489.68	45.35	54.00	-8.65	29.13	10.71	38.88	33.37	167	128	Average
2	11492.53	60.18	74.00	-13.82	43.96	10.71	38.88	33.37	167	128	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11486.79	58.82	74.00	-15.18	42.60	10.71	38.88	33.37	165	144	Peak
2	11489.39	45.06	54.00	-8.94	28.84	10.71	38.88	33.37	165	144	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11572.18	65.58	74.00	-8.42	49.27	10.76	38.94	33.39	167	298	Peak	HORIZONTAL
2	11572.21	52.21	54.00	-1.79	35.90	10.76	38.94	33.39	167	298	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.71	48.09	54.00	-5.91	31.78	10.75	38.94	33.38	171	207	Average	VERTICAL
2	11574.78	61.37	74.00	-12.63	45.06	10.76	38.94	33.39	171	207	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11653.81	44.23	54.00	-9.77	27.84	10.81	38.99	33.41	157	284	Average
2	11658.62	57.08	74.00	-16.92	40.69	10.81	38.99	33.41	157	284	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11644.68	44.21	54.00	-9.79	27.84	10.79	38.98	33.40	157	307	Average
2	11655.26	57.21	74.00	-16.79	40.82	10.81	38.99	33.41	157	307	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15574.74	59.37	74.00	-14.63	42.45	12.58	38.09	33.75	159	238	Peak	HORIZONTAL
2	15578.46	45.50	54.00	-8.50	28.61	12.58	38.06	33.75	159	238	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15571.99	58.46	74.00	-15.54	41.52	12.58	38.09	33.73	157	262	Peak	VERTICAL
2	15572.63	45.36	54.00	-8.64	28.42	12.58	38.09	33.73	157	262	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15685.26	60.42	74.00	-13.58	43.79	12.58	37.90	33.85	151	191	Peak	HORIZONTAL
2	15698.14	47.12	54.00	-6.88	30.52	12.58	37.87	33.85	151	191	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15683.75	58.80	74.00	-15.20	42.17	12.58	37.90	33.85	153	214	Peak	VERTICAL
2	15698.01	45.75	54.00	-8.25	29.15	12.58	37.87	33.85	153	214	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15807.31	61.19	74.00	-12.81	44.90	12.57	37.70	33.98	160	324	Peak	HORIZONTAL
2	15809.68	47.86	54.00	-6.14	31.57	12.57	37.70	33.98	160	324	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15802.12	45.18	54.00	-8.82	28.86	12.57	37.70	33.95	158	306	Average
2	15816.63	58.21	74.00	-15.79	41.94	12.57	37.68	33.98	158	306	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10612.02	43.06	54.00	-10.94	28.09	10.19	38.40	33.62	158	275	Average	HORIZONTAL
2	10620.54	55.54	74.00	-18.46	40.57	10.19	38.40	33.62	158	275	Peak	HORIZONTAL
3	15929.68	45.09	54.00	-8.91	29.10	12.56	37.51	34.08	152	279	Average	HORIZONTAL
4	15934.52	59.06	74.00	-14.94	43.12	12.56	37.48	34.10	152	279	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10610.16	55.93	74.00	-18.07	40.96	10.19	38.40	33.62	151	282	Peak	VERTICAL
2	10618.75	42.78	54.00	-11.22	27.81	10.19	38.40	33.62	151	282	Average	VERTICAL
3	15933.43	57.99	74.00	-16.01	42.02	12.56	37.51	34.10	154	258	Peak	VERTICAL
4	15933.49	45.09	54.00	-8.91	29.12	12.56	37.51	34.10	154	258	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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	11023.69	43.35	54.00	-10.65	27.74	10.56	38.43	33.38	149	304	Average	HORIZONTAL
2	11027.47	56.74	74.00	-17.26	41.13	10.56	38.43	33.38	149	304	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	11021.86	43.29	54.00	-10.71	27.68	10.56	38.43	33.38	187	288	Average	VERTICAL
2	11028.65	56.53	74.00	-17.47	40.92	10.56	38.43	33.38	187	288	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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	11094.07	55.91	74.00	-18.09	40.21	10.58	38.50	33.38	154	284	Peak	HORIZONTAL
2	11097.08	43.22	54.00	-10.78	27.52	10.58	38.50	33.38	154	284	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	11101.63	43.08	54.00	-10.92	27.38	10.58	38.50	33.38	152	306	Average	VERTICAL
2	11106.70	56.36	74.00	-17.64	40.64	10.58	38.52	33.38	152	306	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11344.62	44.89	54.00	-9.11	28.84	10.67	38.75	33.37	155	323	Average	HORIZONTAL
2	11344.65	57.46	74.00	-16.54	41.41	10.67	38.75	33.37	155	323	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11346.70	57.69	74.00	-16.31	41.64	10.67	38.75	33.37	152	303	Peak	VERTICAL
2	11347.69	43.68	54.00	-10.32	27.63	10.67	38.75	33.37	152	303	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11500.93	44.19	54.00	-9.81	27.94	10.72	38.90	33.37	158	309	Average	HORIZONTAL
2	11511.99	56.59	74.00	-17.41	40.34	10.72	38.90	33.37	158	309	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11502.15	43.90	54.00	-10.10	27.65	10.72	38.90	33.37	156	329	Average	VERTICAL
2	11511.57	57.40	74.00	-16.60	41.15	10.72	38.90	33.37	156	329	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11589.81	45.78	54.00	-8.22	29.46	10.76	38.95	33.39	154	316	Average	HORIZONTAL
2	11594.74	59.00	74.00	-15.00	42.68	10.76	38.95	33.39	154	316	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11582.34	57.01	74.00	-16.99	40.70	10.76	38.94	33.39	153	295	Peak	VERTICAL
2	11587.63	43.75	54.00	-10.25	27.43	10.76	38.95	33.39	153	295	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15627.63	59.10	74.00	-14.90	42.31	12.58	38.01	33.80	151	322	Peak	HORIZONTAL
2	15635.51	45.54	54.00	-8.46	28.78	12.58	37.98	33.80	151	322	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15623.94	58.58	74.00	-15.42	41.77	12.58	38.01	33.78	151	301	Peak	VERTICAL
2	15634.46	45.39	54.00	-8.61	28.63	12.58	37.98	33.80	151	301	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15866.57	58.11	74.00	-15.89	41.98	12.57	37.59	34.03	154	279	Peak	HORIZONTAL
2	15870.54	45.08	54.00	-8.92	28.95	12.57	37.59	34.03	154	279	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15863.85	45.11	54.00	-8.89	28.95	12.57	37.62	34.03	160	259	Average	VERTICAL
2	15864.90	58.06	74.00	-15.94	41.90	12.57	37.62	34.03	160	259	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11057.31	43.30	54.00	-10.70	27.64	10.57	38.47	33.38	155	236	Average
2	11065.10	56.12	74.00	-17.88	40.45	10.58	38.47	33.38	155	236	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11053.40	42.91	54.00	-11.09	27.27	10.57	38.45	33.38	153	211	Average
2	11069.74	56.45	74.00	-17.55	40.78	10.58	38.47	33.38	153	211	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11224.52	55.59	74.00	-18.41	39.72	10.63	38.62	33.38	154	194	Peak	HORIZONTAL
2	11227.47	43.22	54.00	-10.78	27.34	10.63	38.63	33.38	154	194	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11219.10	43.02	54.00	-10.98	27.15	10.63	38.62	33.38	154	222	Average	VERTICAL
2	11222.40	55.96	74.00	-18.04	40.09	10.63	38.62	33.38	154	222	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor				
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11554.23	43.94	54.00	-10.06	27.64	10.75	38.93	33.38	150	131	Average	HORIZONTAL
2	11554.52	56.94	74.00	-17.06	40.64	10.75	38.93	33.38	150	131	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11546.83	56.56	74.00	-17.44	40.27	10.75	38.92	33.38	160	151	Peak	VERTICAL
2	11553.40	43.66	54.00	-10.34	27.36	10.75	38.93	33.38	160	151	Average	VERTICAL

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11437.31	67.10	74.00	-6.90	50.95	10.69	38.83	33.37	162	128	Peak	HORIZONTAL
2	11439.58	52.99	54.00	-1.01	36.84	10.69	38.83	33.37	162	128	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11437.28	65.71	74.00	-8.29	49.56	10.69	38.83	33.37	163	260	Peak	VERTICAL
2	11439.46	51.98	54.00	-2.02	35.83	10.69	38.83	33.37	163	260	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11427.15	50.85	54.00	-3.15	34.71	10.69	38.82	33.37	175	259	Average
2	11427.15	64.05	74.00	-9.95	47.91	10.69	38.82	33.37	175	259	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11427.28	46.58	54.00	-7.42	30.44	10.69	38.82	33.37	160	285	Average
2	11430.00	59.28	74.00	-14.72	43.13	10.69	38.83	33.37	160	285	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11389.17	60.42	74.00	-13.58	44.33	10.68	38.78	33.37	151	124	Peak	HORIZONTAL
2	11389.49	47.67	54.00	-6.33	31.58	10.68	38.78	33.37	151	124	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11388.53	58.00	74.00	-16.00	41.91	10.68	38.78	33.37	150	159	Peak	VERTICAL
2	11388.81	44.73	54.00	-9.27	28.64	10.68	38.78	33.37	150	159	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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15543.72	45.97	54.00	-8.03	28.97	12.58	38.12	33.70	154	45	Average	HORIZONTAL
2	15545.00	58.88	74.00	-15.12	41.88	12.58	38.12	33.70	154	45	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15536.44	45.90	54.00	-8.10	28.88	12.58	38.14	33.70	157	167	Average	VERTICAL
2	15547.24	59.21	74.00	-14.79	42.21	12.58	38.12	33.70	157	167	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15602.64	49.31	54.00	-4.69	32.48	12.58	38.03	33.78	180	15	Average	HORIZONTAL
2	15602.96	63.12	74.00	-10.88	46.29	12.58	38.03	33.78	180	15	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15603.36	48.40	54.00	-5.60	31.57	12.58	38.03	33.78	153	224	Average	VERTICAL
2	15603.72	61.14	74.00	-12.86	44.31	12.58	38.03	33.78	153	224	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15717.24	48.04	54.00	-5.96	31.51	12.57	37.84	33.88	153	312	Average	HORIZONTAL
2	15729.84	59.92	74.00	-14.08	43.41	12.57	37.84	33.90	153	312	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15713.00	61.15	74.00	-12.85	44.59	12.57	37.87	33.88	150	195	Peak	VERTICAL
2	15723.04	47.72	54.00	-6.28	31.19	12.57	37.84	33.88	150	195	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.48	66.84	74.00	-7.16	50.46	12.57	37.76	33.95	161	181	Peak	HORIZONTAL
2	15777.64	52.48	54.00	-1.52	36.10	12.57	37.76	33.95	161	181	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.64	52.17	54.00	-1.83	35.79	12.57	37.76	33.95	162	195	Average	VERTICAL
2	15782.92	66.23	74.00	-7.77	49.88	12.57	37.73	33.95	162	195	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10595.84	55.64	74.00	-18.36	40.71	10.16	38.40	33.63	152	35	Peak	HORIZONTAL
2	10600.48	42.83	54.00	-11.17	27.90	10.16	38.40	33.63	152	35	Average	HORIZONTAL
3	15901.80	49.89	54.00	-4.11	33.83	12.57	37.54	34.05	149	274	Average	HORIZONTAL
4	15902.00	62.99	74.00	-11.01	46.93	12.57	37.54	34.05	149	274	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10597.24	42.83	54.00	-11.17	27.90	10.16	38.40	33.63	150	299	Average	VERTICAL
2	10602.04	55.53	74.00	-18.47	40.56	10.19	38.40	33.62	150	299	Peak	VERTICAL
3	15900.28	49.31	54.00	-4.69	33.22	12.57	37.57	34.05	154	17	Average	VERTICAL
4	15900.44	62.14	74.00	-11.86	46.05	12.57	37.57	34.05	154	17	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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	10631.96	41.43	54.00	-12.57	26.42	10.21	38.40	33.60	142	290	Average	HORIZONTAL
2	10646.84	54.25	74.00	-19.75	39.24	10.21	38.40	33.60	142	290	Peak	HORIZONTAL
3	15951.44	59.75	74.00	-14.25	43.81	12.56	37.48	34.10	134	222	Peak	HORIZONTAL
4	15953.28	46.49	54.00	-7.51	30.57	12.56	37.46	34.10	134	222	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10634.40	41.51	54.00	-12.49	26.50	10.21	38.40	33.60	143	242	Average	VERTICAL
2	10642.72	54.15	74.00	-19.85	39.14	10.21	38.40	33.60	143	242	Peak	VERTICAL
3	15950.72	59.35	74.00	-14.65	43.41	12.56	37.48	34.10	166	313	Peak	VERTICAL
4	15957.40	46.47	54.00	-7.53	30.58	12.56	37.46	34.13	166	313	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.76	42.54	54.00	-11.46	26.97	10.55	38.40	33.38	151	156	Average	HORIZONTAL
2	11010.00	55.57	74.00	-18.43	39.97	10.56	38.42	33.38	151	156	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10991.60	55.20	74.00	-18.80	39.63	10.55	38.40	33.38	161	256	Peak	VERTICAL
2	11007.08	42.56	54.00	-11.44	26.97	10.55	38.42	33.38	161	256	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11157.56	47.13	54.00	-6.87	31.34	10.60	38.57	33.38	135	330	Average	HORIZONTAL
2	11166.44	59.98	74.00	-14.02	44.18	10.61	38.57	33.38	135	330	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.68	58.22	74.00	-15.78	42.43	10.60	38.57	33.38	150	129	Peak	VERTICAL
2	11161.16	45.09	54.00	-8.91	29.30	10.60	38.57	33.38	150	129	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11397.28	44.39	54.00	-9.61	28.27	10.69	38.80	33.37	156	197	Average	HORIZONTAL
2	11408.04	56.17	74.00	-17.83	40.05	10.69	38.80	33.37	156	197	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11400.04	43.82	54.00	-10.18	27.70	10.69	38.80	33.37	161	90	Average	VERTICAL
2	11402.44	56.10	74.00	-17.90	39.98	10.69	38.80	33.37	161	90	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11490.24	43.46	54.00	-10.54	27.24	10.71	38.88	33.37	146	76	Average
2	11496.92	56.18	74.00	-17.82	39.95	10.72	38.88	33.37	146	76	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11484.96	56.30	74.00	-17.70	40.08	10.71	38.88	33.37	151	171	Peak	VERTICAL
2	11495.88	43.23	54.00	-10.77	27.00	10.72	38.88	33.37	151	171	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.24	48.64	54.00	-5.36	32.33	10.76	38.94	33.39	143	15	Average	HORIZONTAL
2	11574.40	62.67	74.00	-11.33	46.36	10.76	38.94	33.39	143	15	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11564.36	60.54	74.00	-13.46	44.24	10.75	38.93	33.38	156	289	Peak	VERTICAL
2	11569.92	48.07	54.00	-5.93	31.76	10.76	38.94	33.39	156	289	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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	11643.44	57.15	74.00	-16.85	40.78	10.79	38.98	33.40	159	294	Peak	HORIZONTAL
2	11649.88	43.94	54.00	-10.06	27.56	10.81	38.98	33.41	159	294	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	11649.40	44.51	54.00	-9.49	28.13	10.81	38.98	33.41	128	102	Average	VERTICAL
2	11653.52	56.91	74.00	-17.09	40.52	10.81	38.99	33.41	128	102	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15559.28	58.41	74.00	-15.59	41.44	12.58	38.12	33.73	157	234	Peak	HORIZONTAL
2	15585.60	45.96	54.00	-8.04	29.07	12.58	38.06	33.75	157	234	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	15555.44	58.95	74.00	-15.05	41.98	12.58	38.12	33.73	152	125	Peak	VERTICAL
2	15586.40	45.90	54.00	-8.10	29.01	12.58	38.06	33.75	152	125	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15698.00	46.93	54.00	-7.07	30.33	12.58	37.87	33.85	181	150	Average	HORIZONTAL
2	15698.16	59.20	74.00	-14.80	42.60	12.58	37.87	33.85	181	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15692.16	47.01	54.00	-6.99	30.38	12.58	37.90	33.85	176	207	Average	VERTICAL
2	15697.52	59.69	74.00	-14.31	43.09	12.58	37.87	33.85	176	207	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15801.92	60.04	74.00	-13.96	43.72	12.57	37.70	33.95	142	183	Peak	HORIZONTAL
2	15812.40	47.80	54.00	-6.20	31.51	12.57	37.70	33.98	142	183	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15824.22	60.36	74.00	-13.64	44.09	12.57	37.68	33.98	144	244	Peak	VERTICAL
2	15824.23	46.26	54.00	-7.74	29.99	12.57	37.68	33.98	144	244	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.94	41.36	54.00	-12.64	26.39	10.19	38.40	33.62	137	165	Average	HORIZONTAL
2	10620.03	54.80	74.00	-19.20	39.83	10.19	38.40	33.62	137	165	Peak	HORIZONTAL
3	15929.92	59.59	74.00	-14.41	43.60	12.56	37.51	34.08	149	122	Peak	HORIZONTAL
4	15929.93	46.47	54.00	-7.53	30.48	12.56	37.51	34.08	149	122	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.81	41.49	54.00	-12.51	26.52	10.19	38.40	33.62	160	179	Average	VERTICAL
2	10620.13	54.85	74.00	-19.15	39.88	10.19	38.40	33.62	160	179	Peak	VERTICAL
3	15929.86	46.46	54.00	-7.54	30.47	12.56	37.51	34.08	185	215	Average	VERTICAL
4	15930.06	61.11	74.00	-12.89	45.12	12.56	37.51	34.08	185	215	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11020.16	42.24	54.00	-11.76	26.64	10.56	38.42	33.38	152	355	Average	HORIZONTAL
2	11020.16	55.56	74.00	-18.44	39.96	10.56	38.42	33.38	152	355	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11020.08	54.91	74.00	-19.09	39.31	10.56	38.42	33.38	152	224	Peak	VERTICAL
2	11020.10	42.26	54.00	-11.74	26.66	10.56	38.42	33.38	152	224	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11099.96	56.01	74.00	-17.99	40.31	10.58	38.50	33.38	118	173	Peak	HORIZONTAL
2	11100.03	43.12	54.00	-10.88	27.42	10.58	38.50	33.38	118	173	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11099.82	56.33	74.00	-17.67	40.63	10.58	38.50	33.38	157	84	Peak
2	11100.07	43.00	54.00	-11.00	27.30	10.58	38.50	33.38	157	84	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11339.89	43.20	54.00	-10.80	27.18	10.66	38.73	33.37	173	15	Average	HORIZONTAL
2	11340.04	57.26	74.00	-16.74	41.24	10.66	38.73	33.37	173	15	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11339.90	55.82	74.00	-18.18	39.80	10.66	38.73	33.37	156	189	Peak	VERTICAL
2	11339.96	43.01	54.00	-10.99	26.99	10.66	38.73	33.37	156	189	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11509.57	43.47	54.00	-10.53	27.22	10.72	38.90	33.37	150	130	Average	HORIZONTAL
2	11510.71	56.16	74.00	-17.84	39.91	10.72	38.90	33.37	150	130	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11508.57	56.32	74.00	-17.68	40.07	10.72	38.90	33.37	161	179	Peak	VERTICAL
2	11509.14	43.41	54.00	-10.59	27.16	10.72	38.90	33.37	161	179	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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	11589.07	58.46	74.00	-15.54	42.14	10.76	38.95	33.39	123	172	Peak	HORIZONTAL
2	11589.81	43.69	54.00	-10.31	27.37	10.76	38.95	33.39	123	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	11588.64	44.11	54.00	-9.89	27.79	10.76	38.95	33.39	159	259	Average	VERTICAL
2	11592.04	56.45	74.00	-17.55	40.13	10.76	38.95	33.39	159	259	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15631.00	59.35	74.00	-14.65	42.59	12.58	37.98	33.80	134	335 Peak	HORIZONTAL
2	15632.50	45.94	54.00	-8.06	29.18	12.58	37.98	33.80	134	335 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15627.62	58.69	74.00	-15.31	41.90	12.58	38.01	33.80	144	262 Peak	VERTICAL
2	15630.70	45.93	54.00	-8.07	29.17	12.58	37.98	33.80	144	262 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15871.11	46.76	54.00	-7.24	30.63	12.57	37.59	34.03	152	89	Average	HORIZONTAL
2	15871.76	60.18	74.00	-13.82	44.05	12.57	37.59	34.03	152	89	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15867.82	59.87	74.00	-14.13	43.74	12.57	37.59	34.03	143	27	Peak	VERTICAL
2	15871.76	46.68	54.00	-7.32	30.55	12.57	37.59	34.03	143	27	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11058.63	55.81	74.00	-18.19	40.15	10.57	38.47	33.38	155	320	Peak	HORIZONTAL
2	11060.02	42.69	54.00	-11.31	27.02	10.58	38.47	33.38	155	320	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp 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	56.26	74.00	-17.74	40.59	10.58	38.47	33.38	147	316	Peak	VERTICAL
2	11060.36	42.82	54.00	-11.18	27.15	10.58	38.47	33.38	147	316	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11221.06	42.59	54.00	-11.41	26.72	10.63	38.62	33.38	153	143	Average	HORIZONTAL
2	11221.11	55.80	74.00	-18.20	39.93	10.63	38.62	33.38	153	143	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.08	55.11	74.00	-18.89	39.24	10.63	38.62	33.38	150	229	Peak	VERTICAL
2	11221.02	42.35	54.00	-11.65	26.48	10.63	38.62	33.38	150	229	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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	11549.80	56.17	74.00	-17.83	39.87	10.75	38.93	33.38	144	131	Peak	HORIZONTAL
2	11551.36	43.33	54.00	-10.67	27.03	10.75	38.93	33.38	144	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	11547.61	43.38	54.00	-10.62	27.09	10.75	38.92	33.38	158	256	Average	VERTICAL
2	11548.97	56.47	74.00	-17.53	40.17	10.75	38.93	33.38	158	256	Peak	VERTICAL

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11437.12	66.24	74.00	-7.76	50.09	10.69	38.83	33.37	139	278 Peak	HORIZONTAL
2	11442.20	51.66	54.00	-2.34	35.51	10.69	38.83	33.37	139	278 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11437.32	67.41	74.00	-6.59	51.26	10.69	38.83	33.37	138	181 Peak	VERTICAL
2	11442.20	52.63	54.00	-1.37	36.48	10.69	38.83	33.37	138	181 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11421.69	62.43	74.00	-11.57	46.29	10.69	38.82	33.37	140	278	Peak	HORIZONTAL
2	11422.02	48.82	54.00	-5.18	32.68	10.69	38.82	33.37	140	278	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11421.82	63.68	74.00	-10.32	47.54	10.69	38.82	33.37	135	181	Peak	VERTICAL
2	11421.97	50.03	54.00	-3.97	33.89	10.69	38.82	33.37	135	181	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.81	58.25	74.00	-15.75	42.16	10.68	38.78	33.37	152	178	Peak	HORIZONTAL
2	11380.17	44.34	54.00	-9.66	28.25	10.68	38.78	33.37	152	178	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11379.69	57.17	74.00	-16.83	41.08	10.68	38.78	33.37	154	197	Peak	VERTICAL
2	11380.87	44.30	54.00	-9.70	28.21	10.68	38.78	33.37	154	197	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.

<For Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15535.99	47.29	54.00	-6.71	30.27	12.58	38.14	33.70	137	239	Average
2	15543.49	59.46	74.00	-14.54	42.44	12.58	38.14	33.70	137	239	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15533.01	59.58	74.00	-14.42	42.56	12.58	38.14	33.70	156	23	Peak
2	15547.28	47.24	54.00	-6.76	30.24	12.58	38.12	33.70	156	23	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15605.51	48.08	54.00	-5.92	31.25	12.58	38.03	33.78	177	52	Average
2	15607.50	61.15	74.00	-12.85	44.32	12.58	38.03	33.78	177	52	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15592.18	59.89	74.00	-14.11	43.00	12.58	38.06	33.75	156	134	Peak
2	15602.95	47.18	54.00	-6.82	30.35	12.58	38.03	33.78	156	134	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15711.54	46.97	54.00	-7.03	30.41	12.57	37.87	33.88	197	173	Average
2	15713.49	59.46	74.00	-14.54	42.90	12.57	37.87	33.88	197	173	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15712.18	59.16	74.00	-14.84	42.60	12.57	37.87	33.88	139	248	Peak	VERTICAL
2	15715.38	47.10	54.00	-6.90	30.57	12.57	37.84	33.88	139	248	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.57	47.02	54.00	-6.98	30.64	12.57	37.76	33.95	173	63	Average	HORIZONTAL
2	15783.99	59.83	74.00	-14.17	43.48	12.57	37.73	33.95	173	63	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.84	59.59	74.00	-14.41	43.21	12.57	37.76	33.95	149	296	Peak	VERTICAL
2	15781.83	46.99	54.00	-7.01	30.64	12.57	37.73	33.95	149	296	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10595.10	44.74	54.00	-9.26	29.81	10.16	38.40	33.63	148	264	Average	HORIZONTAL
2	10602.04	58.10	74.00	-15.90	43.13	10.19	38.40	33.62	148	264	Peak	HORIZONTAL
3	15903.30	46.66	54.00	-7.34	30.60	12.57	37.54	34.05	175	87	Average	HORIZONTAL
4	15904.86	60.03	74.00	-13.97	44.01	12.56	37.54	34.08	175	87	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10597.37	57.46	74.00	-16.54	42.53	10.16	38.40	33.63	171	87	Peak	VERTICAL
2	10600.45	44.87	54.00	-9.13	29.94	10.16	38.40	33.63	171	87	Average	VERTICAL
3	15896.73	58.51	74.00	-15.49	42.42	12.57	37.57	34.05	154	271	Peak	VERTICAL
4	15896.76	46.60	54.00	-7.40	30.51	12.57	37.57	34.05	154	271	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

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	10635.26	57.02	74.00	-16.98	42.01	10.21	38.40	33.60	156	37	Peak	HORIZONTAL
2	10640.00	44.90	54.00	-9.10	29.89	10.21	38.40	33.60	156	37	Average	HORIZONTAL
3	15957.92	46.48	54.00	-7.52	30.59	12.56	37.46	34.13	138	155	Average	HORIZONTAL
4	15963.14	58.95	74.00	-15.05	43.06	12.56	37.46	34.13	138	155	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10641.38	44.77	54.00	-9.23	29.76	10.21	38.40	33.60	124	180	Average	VERTICAL
2	10643.51	56.81	74.00	-17.19	41.80	10.21	38.40	33.60	124	180	Peak	VERTICAL
3	15955.21	46.46	54.00	-7.54	30.54	12.56	37.46	34.10	152	249	Average	VERTICAL
4	15962.95	59.44	74.00	-14.56	43.55	12.56	37.46	34.13	152	249	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10996.46	55.82	74.00	-18.18	40.25	10.55	38.40	33.38	161	263	Peak	HORIZONTAL
2	11003.29	45.01	54.00	-8.99	29.44	10.55	38.40	33.38	161	263	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10995.11	57.68	74.00	-16.32	42.11	10.55	38.40	33.38	144	337	Peak	VERTICAL
2	11004.86	45.35	54.00	-8.65	29.76	10.55	38.42	33.38	144	337	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11162.61	45.95	54.00	-8.05	30.15	10.61	38.57	33.38	168	24 Average	HORIZONTAL
2	11164.57	57.83	74.00	-16.17	42.03	10.61	38.57	33.38	168	24 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11156.39	58.03	74.00	-15.97	42.26	10.60	38.55	33.38	156	109 Peak	VERTICAL
2	11157.44	45.50	54.00	-8.50	29.73	10.60	38.55	33.38	156	109 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

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	11402.44	58.24	74.00	-15.76	42.12	10.69	38.80	33.37	158	227	Peak	HORIZONTAL
2	11402.92	45.91	54.00	-8.09	29.79	10.69	38.80	33.37	158	227	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.52	45.92	54.00	-8.08	29.80	10.69	38.80	33.37	160	295	Average	VERTICAL
2	11404.10	58.22	74.00	-15.78	42.10	10.69	38.80	33.37	160	295	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

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	11483.08	57.53	74.00	-16.47	41.31	10.71	38.88	33.37	153	195	Peak	HORIZONTAL
2	11492.44	45.86	54.00	-8.14	29.64	10.71	38.88	33.37	153	195	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	11482.37	45.87	54.00	-8.13	29.65	10.71	38.88	33.37	150	62	Average	VERTICAL
2	11494.97	57.95	74.00	-16.05	41.72	10.72	38.88	33.37	150	62	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11570.32	46.38	54.00	-7.62	30.07	10.76	38.94	33.39	140	310	Average
2	11574.20	58.42	74.00	-15.58	42.11	10.76	38.94	33.39	140	310	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11576.06	57.88	74.00	-16.12	41.57	10.76	38.94	33.39	164	233	Peak	VERTICAL
2	11578.65	45.80	54.00	-8.20	29.49	10.76	38.94	33.39	164	233	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11654.84	46.04	54.00	-7.96	29.65	10.81	38.99	33.41	153	166	Average	HORIZONTAL
2	11655.93	57.97	74.00	-16.03	41.58	10.81	38.99	33.41	153	166	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11644.42	45.97	54.00	-8.03	29.60	10.79	38.98	33.40	148	92	Average	VERTICAL
2	11655.38	58.37	74.00	-15.63	41.98	10.81	38.99	33.41	148	92	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15562.05	59.77	74.00	-14.23	42.83	12.58	38.09	33.73	156	311	Peak	HORIZONTAL
2	15570.58	47.43	54.00	-6.57	30.49	12.58	38.09	33.73	156	311	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15557.95	59.62	74.00	-14.38	42.65	12.58	38.12	33.73	160	226	Peak	VERTICAL
2	15560.06	47.27	54.00	-6.73	30.30	12.58	38.12	33.73	160	226	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15684.81	59.44	74.00	-14.56	42.81	12.58	37.90	33.85	168	250	Peak	HORIZONTAL
2	15688.08	47.21	54.00	-6.79	30.58	12.58	37.90	33.85	168	250	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15682.63	59.58	74.00	-14.42	42.95	12.58	37.90	33.85	162	203	Peak	VERTICAL
2	15701.28	47.23	54.00	-6.77	30.67	12.57	37.87	33.88	162	203	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15792.37	46.83	54.00	-7.17	30.48	12.57	37.73	33.95	139	188	Average	HORIZONTAL
2	15818.59	58.97	74.00	-15.03	42.70	12.57	37.68	33.98	139	188	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15790.64	46.93	54.00	-7.07	30.58	12.57	37.73	33.95	149	244	Average	VERTICAL
2	15818.72	58.88	74.00	-15.12	42.61	12.57	37.68	33.98	149	244	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10607.69	45.01	54.00	-8.99	30.04	10.19	38.40	33.62	155	183	Average	HORIZONTAL
2	10637.63	57.67	74.00	-16.33	42.66	10.21	38.40	33.60	155	183	Peak	HORIZONTAL
3	15943.97	58.66	74.00	-15.34	42.72	12.56	37.48	34.10	152	160	Peak	HORIZONTAL
4	15945.00	46.58	54.00	-7.42	30.64	12.56	37.48	34.10	152	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10601.15	57.45	74.00	-16.55	42.48	10.19	38.40	33.62	153	328	Peak	VERTICAL
2	10610.45	45.00	54.00	-9.00	30.03	10.19	38.40	33.62	153	328	Average	VERTICAL
3	15923.59	46.70	54.00	-7.30	30.71	12.56	37.51	34.08	155	217	Average	VERTICAL
4	15928.33	59.25	74.00	-14.75	43.26	12.56	37.51	34.08	155	217	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

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	11026.09	57.21	74.00	-16.79	41.60	10.56	38.43	33.38	149	101	Peak	HORIZONTAL
2	11034.87	45.41	54.00	-8.59	29.79	10.57	38.43	33.38	149	101	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	11008.53	45.38	54.00	-8.62	29.79	10.55	38.42	33.38	151	83	Average	VERTICAL
2	11038.27	57.22	74.00	-16.78	41.60	10.57	38.43	33.38	151	83	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11106.28	45.49	54.00	-8.51	29.79	10.58	38.50	33.38	174	229	Average	HORIZONTAL
2	11113.08	57.69	74.00	-16.31	41.96	10.59	38.52	33.38	174	229	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11087.24	45.41	54.00	-8.59	29.73	10.58	38.48	33.38	158	148	Average	VERTICAL
2	11095.00	57.27	74.00	-16.73	41.57	10.58	38.50	33.38	158	148	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.42	57.64	74.00	-16.36	41.62	10.66	38.73	33.37	164	42	Peak	HORIZONTAL
2	11347.18	45.88	54.00	-8.12	29.83	10.67	38.75	33.37	164	42	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11338.01	57.28	74.00	-16.72	41.26	10.66	38.73	33.37	154	103	Peak	VERTICAL
2	11347.31	45.76	54.00	-8.24	29.71	10.67	38.75	33.37	154	103	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11505.71	57.71	74.00	-16.29	41.46	10.72	38.90	33.37	157	243	Peak	HORIZONTAL
2	11512.76	45.95	54.00	-8.05	29.70	10.72	38.90	33.37	157	243	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11518.78	57.67	74.00	-16.33	41.41	10.73	38.91	33.38	150	290	Peak	VERTICAL
2	11525.26	45.94	54.00	-8.06	29.68	10.73	38.91	33.38	150	290	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11580.64	57.85	74.00	-16.15	41.54	10.76	38.94	33.39	166	71	Peak
2	11602.05	46.03	54.00	-7.97	29.69	10.78	38.96	33.40	166	71	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11577.69	58.09	74.00	-15.91	41.78	10.76	38.94	33.39	152	203	Peak
2	11603.46	46.02	54.00	-7.98	29.68	10.78	38.96	33.40	152	203	Average

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15615.00	58.96	74.00	-15.04	42.15	12.58	38.01	33.78	189	271	Peak	HORIZONTAL
2	15661.67	47.22	54.00	-6.78	30.52	12.58	37.95	33.83	189	271	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15649.36	58.85	74.00	-15.15	42.12	12.58	37.95	33.80	178	198	Peak	VERTICAL
2	15662.31	47.27	54.00	-6.73	30.57	12.58	37.95	33.83	178	198	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15865.38	46.80	54.00	-7.20	30.64	12.57	37.62	34.03	150	235	Average	HORIZONTAL
2	15871.41	58.22	74.00	-15.78	42.09	12.57	37.59	34.03	150	235	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15874.62	58.46	74.00	-15.54	42.33	12.57	37.59	34.03	155	162	Peak	VERTICAL
2	15890.77	46.77	54.00	-7.23	30.68	12.57	37.57	34.05	155	162	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11048.08	57.99	74.00	-16.01	42.35	10.57	38.45	33.38	148	331	Peak	HORIZONTAL
2	11063.08	45.58	54.00	-8.42	29.91	10.58	38.47	33.38	148	331	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11033.21	45.42	54.00	-8.58	29.81	10.56	38.43	33.38	188	259	Average	VERTICAL
2	11062.69	57.82	74.00	-16.18	42.15	10.58	38.47	33.38	188	259	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11187.69	57.33	74.00	-16.67	41.51	10.62	38.58	33.38	160	233 Peak	HORIZONTAL
2	11251.28	45.69	54.00	-8.31	29.78	10.64	38.65	33.38	160	233 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11193.85	57.36	74.00	-16.64	41.52	10.62	38.60	33.38	169	109 Peak	VERTICAL
2	11259.49	45.72	54.00	-8.28	29.81	10.64	38.65	33.38	169	109 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11532.05	56.82	74.00	-17.18	40.55	10.73	38.92	33.38	173	244 Peak	HORIZONTAL
2	11533.59	45.80	54.00	-8.20	29.53	10.73	38.92	33.38	173	244 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11532.82	57.80	74.00	-16.20	41.53	10.73	38.92	33.38	148	198 Peak	VERTICAL
2	11533.97	46.02	54.00	-7.98	29.75	10.73	38.92	33.38	148	198 Average	VERTICAL

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11440.74	52.63	54.00	-1.37	36.48	10.69	38.83	33.37	149	304	Average	HORIZONTAL
2	11441.67	67.22	74.00	-6.78	51.07	10.69	38.83	33.37	149	304	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11434.78	64.60	74.00	-9.40	48.45	10.69	38.83	33.37	178	202	Peak	VERTICAL
2	11440.48	50.66	54.00	-3.34	34.51	10.69	38.83	33.37	178	202	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11419.87	63.39	74.00	-10.61	47.25	10.69	38.82	33.37	149	302	Peak	HORIZONTAL
2	11430.19	48.05	54.00	-5.95	31.90	10.69	38.83	33.37	149	302	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11412.12	46.90	54.00	-7.10	30.78	10.69	38.80	33.37	165	208	Average	VERTICAL
2	11419.81	63.62	74.00	-10.38	47.48	10.69	38.82	33.37	165	208	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11391.79	46.25	54.00	-7.75	30.15	10.69	38.78	33.37	164	106	Average	HORIZONTAL
2	11396.03	58.24	74.00	-15.76	42.12	10.69	38.80	33.37	164	106	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11350.38	57.90	74.00	-16.10	41.85	10.67	38.75	33.37	142	337	Peak	VERTICAL
2	11415.90	46.10	54.00	-7.90	29.96	10.69	38.82	33.37	142	337	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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15542.44	58.58	74.00	-15.42	41.56	12.58	38.14	33.70	152	339 Peak	HORIZONTAL
2	15542.95	45.63	54.00	-8.37	28.61	12.58	38.14	33.70	152	339 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15541.83	45.60	54.00	-8.40	28.58	12.58	38.14	33.70	151	325 Average	VERTICAL
2	15548.78	58.83	74.00	-15.17	41.86	12.58	38.12	33.73	151	325 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15596.47	44.02	54.00	-9.98	27.16	12.58	38.03	33.75	151	303	Average	HORIZONTAL
2	15602.63	58.19	74.00	-15.81	41.36	12.58	38.03	33.78	151	303	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15591.22	58.43	74.00	-15.57	41.54	12.58	38.06	33.75	152	292	Peak	VERTICAL
2	15597.66	45.58	54.00	-8.42	28.72	12.58	38.03	33.75	152	292	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

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	15711.54	60.61	74.00	-13.39	44.05	12.57	37.87	33.88	153	280	Peak	HORIZONTAL
2	15717.31	46.87	54.00	-7.13	30.34	12.57	37.84	33.88	153	280	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	15710.19	45.39	54.00	-8.61	28.83	12.57	37.87	33.88	152	263	Average	VERTICAL
2	15722.02	58.55	74.00	-15.45	42.02	12.57	37.84	33.88	152	263	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15771.57	45.32	54.00	-8.68	28.92	12.57	37.76	33.93	152	247	Average	HORIZONTAL
2	15783.85	59.48	74.00	-14.52	43.13	12.57	37.73	33.95	152	247	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15775.54	45.49	54.00	-8.51	29.09	12.57	37.76	33.93	154	231	Average	VERTICAL
2	15780.64	58.63	74.00	-15.37	42.25	12.57	37.76	33.95	154	231	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

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	10595.90	41.98	54.00	-12.02	27.05	10.16	38.40	33.63	152	214	Average	HORIZONTAL
2	10597.34	55.96	74.00	-18.04	41.03	10.16	38.40	33.63	152	214	Peak	HORIZONTAL
3	15892.56	45.55	54.00	-8.45	29.46	12.57	37.57	34.05	153	164	Average	HORIZONTAL
4	15907.21	59.54	74.00	-14.46	43.52	12.56	37.54	34.08	153	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	10596.54	55.90	74.00	-18.10	40.97	10.16	38.40	33.63	153	200	Peak	VERTICAL
2	10600.99	42.84	54.00	-11.16	27.87	10.19	38.40	33.62	153	200	Average	VERTICAL
3	15890.06	45.44	54.00	-8.56	29.35	12.57	37.57	34.05	151	179	Average	VERTICAL
4	15896.89	59.50	74.00	-14.50	43.41	12.57	37.57	34.05	151	179	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

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	10633.75	55.80	74.00	-18.20	40.79	10.21	38.40	33.60	152	147	Peak	HORIZONTAL
2	10635.64	41.98	54.00	-12.02	26.97	10.21	38.40	33.60	152	147	Average	HORIZONTAL
3	15961.25	58.94	74.00	-15.06	43.05	12.56	37.46	34.13	154	134	Peak	HORIZONTAL
4	15965.99	45.24	54.00	-8.76	29.35	12.56	37.46	34.13	154	134	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10634.90	42.80	54.00	-11.20	27.79	10.21	38.40	33.60	150	101	Average	VERTICAL
2	10646.86	55.64	74.00	-18.36	40.63	10.21	38.40	33.60	150	101	Peak	VERTICAL
3	15955.16	57.95	74.00	-16.05	42.03	12.56	37.46	34.10	152	118	Peak	VERTICAL
4	15961.44	45.03	54.00	-8.97	29.14	12.56	37.46	34.13	152	118	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10996.51	55.87	74.00	-18.13	40.30	10.55	38.40	33.38	153	86	Peak	HORIZONTAL
2	10998.17	42.23	54.00	-11.77	26.66	10.55	38.40	33.38	153	86	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.62	43.20	54.00	-10.80	27.63	10.55	38.40	33.38	154	66	Average	VERTICAL
2	11005.71	56.35	74.00	-17.65	40.76	10.55	38.42	33.38	154	66	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11151.41	56.38	74.00	-17.62	40.61	10.60	38.55	33.38	152	53 Peak	HORIZONTAL
2	11157.50	41.90	54.00	-12.10	26.11	10.60	38.57	33.38	152	53 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11152.82	56.50	74.00	-17.50	40.73	10.60	38.55	33.38	154	37 Peak	VERTICAL
2	11156.38	43.25	54.00	-10.75	27.48	10.60	38.55	33.38	154	37 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11390.80	43.36	54.00	-10.64	27.27	10.68	38.78	33.37	150	62	Average	HORIZONTAL
2	11395.06	57.07	74.00	-16.93	40.97	10.69	38.78	33.37	150	62	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11391.86	44.00	54.00	-10.00	27.90	10.69	38.78	33.37	149	81	Average	VERTICAL
2	11402.63	57.60	74.00	-16.40	41.48	10.69	38.80	33.37	149	81	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.07	56.94	74.00	-17.06	40.72	10.71	38.88	33.37	148	142	Peak	HORIZONTAL
2	11491.09	42.60	54.00	-11.40	26.38	10.71	38.88	33.37	148	142	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11481.12	44.08	54.00	-9.92	27.86	10.71	38.88	33.37	151	157	Average
2	11489.87	56.81	74.00	-17.19	40.59	10.71	38.88	33.37	151	157	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11560.74	56.66	74.00	-17.34	40.36	10.75	38.93	33.38	153	174	Peak	HORIZONTAL
2	11571.67	42.94	54.00	-11.06	26.63	10.76	38.94	33.39	153	174	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.29	44.89	54.00	-9.11	28.58	10.76	38.94	33.39	155	195	Average	VERTICAL
2	11571.47	58.18	74.00	-15.82	41.87	10.76	38.94	33.39	155	195	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11650.22	57.63	74.00	-16.37	41.25	10.81	38.98	33.41	157	217 Peak	HORIZONTAL
2	11652.98	42.99	54.00	-11.01	26.60	10.81	38.99	33.41	157	217 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11656.28	57.53	74.00	-16.47	41.14	10.81	38.99	33.41	155	239 Peak	VERTICAL
2	11659.26	43.82	54.00	-10.18	27.43	10.81	38.99	33.41	155	239 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15560.00	44.24	54.00	-9.76	27.27	12.58	38.12	33.73	153	256	Average	HORIZONTAL
2	15572.24	58.75	74.00	-15.25	41.81	12.58	38.09	33.73	153	256	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15566.38	45.57	54.00	-8.43	28.63	12.58	38.09	33.73	152	272	Average	VERTICAL
2	15576.41	59.03	74.00	-14.97	42.11	12.58	38.09	33.75	152	272	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15680.99	58.20	74.00	-15.80	41.57	12.58	37.90	33.85	151	288 Peak	HORIZONTAL
2	15691.28	44.55	54.00	-9.45	27.92	12.58	37.90	33.85	151	288 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15695.51	45.60	54.00	-8.40	28.97	12.58	37.90	33.85	152	309 Average	VERTICAL
2	15698.37	58.61	74.00	-15.39	42.01	12.58	37.87	33.85	152	309 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15800.74	57.52	74.00	-16.48	41.20	12.57	37.70	33.95	154	325	Peak	HORIZONTAL
2	15804.62	43.96	54.00	-10.04	27.67	12.57	37.70	33.98	154	325	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15802.31	44.90	54.00	-9.10	28.58	12.57	37.70	33.95	156	338	Average	VERTICAL
2	15813.91	58.17	74.00	-15.83	41.88	12.57	37.70	33.98	156	338	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10614.42	55.62	74.00	-18.38	40.65	10.19	38.40	33.62	155	320	Peak	HORIZONTAL
2	10627.53	41.52	54.00	-12.48	26.51	10.21	38.40	33.60	155	320	Average	HORIZONTAL
3	15934.97	58.22	74.00	-15.78	42.28	12.56	37.48	34.10	153	302	Peak	HORIZONTAL
4	15939.55	44.98	54.00	-9.02	29.04	12.56	37.48	34.10	153	302	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10621.76	55.42	74.00	-18.58	40.45	10.19	38.40	33.62	151	260	Peak	VERTICAL
2	10625.03	42.82	54.00	-11.18	27.85	10.19	38.40	33.62	151	260	Average	VERTICAL
3	15936.38	45.21	54.00	-8.79	29.27	12.56	37.48	34.10	152	284	Average	VERTICAL
4	15938.53	58.16	74.00	-15.84	42.22	12.56	37.48	34.10	152	284	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11010.74	56.58	74.00	-17.42	40.98	10.56	38.42	33.38	153	245	Peak	HORIZONTAL
2	11012.24	42.05	54.00	-11.95	26.45	10.56	38.42	33.38	153	245	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11017.69	43.08	54.00	-10.92	27.48	10.56	38.42	33.38	154	264	Average	VERTICAL
2	11019.58	56.00	74.00	-18.00	40.40	10.56	38.42	33.38	154	264	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11016.25	43.29	54.00	-10.71	27.69	10.56	38.42	33.38	152	282	Average	HORIZONTAL
2	11025.99	56.31	74.00	-17.69	40.70	10.56	38.43	33.38	152	282	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11010.38	43.07	54.00	-10.93	27.47	10.56	38.42	33.38	154	302	Average	VERTICAL
2	11019.23	55.90	74.00	-18.10	40.30	10.56	38.42	33.38	154	302	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11333.72	56.59	74.00	-17.41	40.57	10.66	38.73	33.37	155	284 Peak	HORIZONTAL
2	11338.37	42.80	54.00	-11.20	26.78	10.66	38.73	33.37	155	284 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11331.19	43.46	54.00	-10.54	27.44	10.66	38.73	33.37	153	264 Average	VERTICAL
2	11349.97	56.94	74.00	-17.06	40.89	10.67	38.75	33.37	153	264 Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11503.21	43.01	54.00	-10.99	26.76	10.72	38.90	33.37	153	216	Average	HORIZONTAL
2	11510.35	57.08	74.00	-16.92	40.83	10.72	38.90	33.37	153	216	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11507.60	43.87	54.00	-10.13	27.62	10.72	38.90	33.37	155	236	Average	VERTICAL
2	11513.01	56.83	74.00	-17.17	40.58	10.72	38.90	33.37	155	236	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11592.53	56.88	74.00	-17.12	40.56	10.76	38.95	33.39	154	217	Peak	HORIZONTAL
2	11596.44	42.68	54.00	-11.32	26.35	10.78	38.95	33.40	154	217	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11589.49	43.82	54.00	-10.18	27.50	10.76	38.95	33.39	152	201	Average	VERTICAL
2	11595.77	56.94	74.00	-17.06	40.61	10.78	38.95	33.40	152	201	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15631.15	44.76	54.00	-9.24	28.00	12.58	37.98	33.80	153	185	Average	HORIZONTAL
2	15639.01	58.60	74.00	-15.40	41.84	12.58	37.98	33.80	153	185	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15632.66	58.22	74.00	-15.78	41.46	12.58	37.98	33.80	154	171	Peak	VERTICAL
2	15637.63	45.34	54.00	-8.66	28.58	12.58	37.98	33.80	154	171	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15865.48	58.03	74.00	-15.97	41.87	12.57	37.62	34.03	153	193	Peak	HORIZONTAL
2	15877.31	44.23	54.00	-9.77	28.10	12.57	37.59	34.03	153	193	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	15876.67	45.20	54.00	-8.80	29.07	12.57	37.59	34.03	152	175	Average	VERTICAL
2	15877.66	58.57	74.00	-15.43	42.44	12.57	37.59	34.03	152	175	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11050.90	55.41	74.00	-18.59	39.77	10.57	38.45	33.38	151	155	Peak	HORIZONTAL
2	11056.44	42.25	54.00	-11.75	26.59	10.57	38.47	33.38	151	155	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11058.14	42.93	54.00	-11.07	27.27	10.57	38.47	33.38	152	138	Average	VERTICAL
2	11065.26	56.51	74.00	-17.49	40.84	10.58	38.47	33.38	152	138	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11222.76	43.04	54.00	-10.96	27.17	10.63	38.62	33.38	151	120	Average	HORIZONTAL
2	11226.83	55.96	74.00	-18.04	40.08	10.63	38.63	33.38	151	120	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11210.87	56.88	74.00	-17.12	41.02	10.62	38.62	33.38	150	104	Peak	VERTICAL
2	11224.52	42.93	54.00	-11.07	27.06	10.63	38.62	33.38	150	104	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11541.38	42.90	54.00	-11.10	26.63	10.73	38.92	33.38	151	96 Average	HORIZONTAL
2	11552.82	56.61	74.00	-17.39	40.31	10.75	38.93	33.38	151	96 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11542.40	56.60	74.00	-17.40	40.33	10.73	38.92	33.38	154	82 Peak	VERTICAL
2	11550.87	43.69	54.00	-10.31	27.39	10.75	38.93	33.38	154	82 Average	VERTICAL

Straddle Channel

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

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	11448.53	57.99	74.00	-16.01	41.81	10.70	38.85	33.37	153	102	Peak	HORIZONTAL
2	11449.04	44.89	54.00	-9.11	28.71	10.70	38.85	33.37	153	102	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	11437.47	45.15	54.00	-8.85	29.00	10.69	38.83	33.37	155	124	Average	VERTICAL
2	11444.39	57.73	74.00	-16.27	41.57	10.70	38.83	33.37	155	124	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11410.48	43.98	54.00	-10.02	27.86	10.69	38.80	33.37	152	250	Average	HORIZONTAL
2	11416.41	57.72	74.00	-16.28	41.58	10.69	38.82	33.37	152	250	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11415.22	45.07	54.00	-8.93	28.93	10.69	38.82	33.37	151	231	Average	VERTICAL
2	11420.00	59.35	74.00	-14.65	43.21	10.69	38.82	33.37	151	231	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11381.51	56.64	74.00	-17.36	40.55	10.68	38.78	33.37	154	129	Peak	HORIZONTAL
2	11382.12	42.69	54.00	-11.31	26.60	10.68	38.78	33.37	154	129	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11372.34	43.66	54.00	-10.34	27.58	10.68	38.77	33.37	152	111	Average	VERTICAL
2	11383.78	56.98	74.00	-17.02	40.89	10.68	38.78	33.37	152	111	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	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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	15533.00	59.18	74.00	-14.82	42.16	12.58	38.14	33.70	155	24	Peak	HORIZONTAL
2	15538.96	46.04	54.00	-7.96	29.02	12.58	38.14	33.70	155	24	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	15536.08	46.14	54.00	-7.86	29.12	12.58	38.14	33.70	152	81	Average	VERTICAL
2	15545.72	58.65	74.00	-15.35	41.65	12.58	38.12	33.70	152	81	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15602.96	47.25	54.00	-6.75	30.42	12.58	38.03	33.78	151	44	Average	HORIZONTAL
2	15608.04	60.01	74.00	-13.99	43.18	12.58	38.03	33.78	151	44	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15600.24	60.13	74.00	-13.87	43.30	12.58	38.03	33.78	143	231	Peak	VERTICAL
2	15600.72	46.94	54.00	-7.06	30.11	12.58	38.03	33.78	143	231	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15714.84	61.36	74.00	-12.64	44.83	12.57	37.84	33.88	145	290	Peak	HORIZONTAL
2	15716.32	48.65	54.00	-5.35	32.12	12.57	37.84	33.88	145	290	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15724.32	61.27	74.00	-12.73	44.74	12.57	37.84	33.88	153	213	Peak	VERTICAL
2	15725.00	47.91	54.00	-6.09	31.38	12.57	37.84	33.88	153	213	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.44	49.63	54.00	-4.37	33.25	12.57	37.76	33.95	147	126	Average	HORIZONTAL
2	15786.64	62.52	74.00	-11.48	46.17	12.57	37.73	33.95	147	126	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15773.20	51.28	54.00	-2.72	34.88	12.57	37.76	33.93	168	213	Average	VERTICAL
2	15776.40	65.18	74.00	-8.82	48.78	12.57	37.76	33.93	168	213	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10600.12	64.66	74.00	-9.34	49.73	10.16	38.40	33.63	149	49 Peak	HORIZONTAL
2	10600.64	51.39	54.00	-2.61	36.46	10.16	38.40	33.63	149	49 Average	HORIZONTAL
3	15896.84	48.87	54.00	-5.13	32.78	12.57	37.57	34.05	141	288 Average	HORIZONTAL
4	15905.32	61.21	74.00	-12.79	45.19	12.56	37.54	34.08	141	288 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10596.56	48.61	54.00	-5.39	33.68	10.16	38.40	33.63	150	237 Average	VERTICAL
2	10597.44	62.08	74.00	-11.92	47.15	10.16	38.40	33.63	150	237 Peak	VERTICAL
3	15896.12	61.39	74.00	-12.61	45.30	12.57	37.57	34.05	159	52 Peak	VERTICAL
4	15902.20	48.21	54.00	-5.79	32.15	12.57	37.54	34.05	159	52 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10630.80	41.39	54.00	-12.61	26.38	10.21	38.40	33.60	148	259	Average	HORIZONTAL
2	10642.92	54.41	74.00	-19.59	39.40	10.21	38.40	33.60	148	259	Peak	HORIZONTAL
3	15953.16	46.88	54.00	-7.12	30.96	12.56	37.46	34.10	151	312	Average	HORIZONTAL
4	15959.40	59.83	74.00	-14.17	43.94	12.56	37.46	34.13	151	312	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10638.36	42.55	54.00	-11.45	27.54	10.21	38.40	33.60	163	317	Average	VERTICAL
2	10644.52	54.14	74.00	-19.86	39.13	10.21	38.40	33.60	163	317	Peak	VERTICAL
3	15952.32	60.42	74.00	-13.58	44.50	12.56	37.46	34.10	158	255	Peak	VERTICAL
4	15961.24	46.62	54.00	-7.38	30.73	12.56	37.46	34.13	158	255	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11002.48	56.03	74.00	-17.97	40.46	10.55	38.40	33.38	163	212	Peak	HORIZONTAL
2	11008.68	42.49	54.00	-11.51	26.90	10.55	38.42	33.38	163	212	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10990.96	54.94	74.00	-19.06	39.37	10.55	38.40	33.38	138	153	Peak	VERTICAL
2	11009.60	42.58	54.00	-11.42	26.98	10.56	38.42	33.38	138	153	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.96	46.74	54.00	-7.26	30.95	10.60	38.57	33.38	158	258	Average	HORIZONTAL
2	11169.64	59.89	74.00	-14.11	44.09	10.61	38.57	33.38	158	258	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.60	46.11	54.00	-7.89	30.32	10.60	38.57	33.38	174	87	Average	VERTICAL
2	11161.68	58.84	74.00	-15.16	43.05	10.60	38.57	33.38	174	87	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11400.96	44.17	54.00	-9.83	28.05	10.69	38.80	33.37	149	199	Average	HORIZONTAL
2	11402.52	56.36	74.00	-17.64	40.24	10.69	38.80	33.37	149	199	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11396.80	44.09	54.00	-9.91	27.97	10.69	38.80	33.37	154	242	Average	VERTICAL
2	11407.28	56.36	74.00	-17.64	40.24	10.69	38.80	33.37	154	242	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11488.80	45.54	54.00	-8.46	29.32	10.71	38.88	33.37	151	320	Average	HORIZONTAL
2	11488.80	58.21	74.00	-15.79	41.99	10.71	38.88	33.37	151	320	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.00	56.48	74.00	-17.52	40.26	10.71	38.88	33.37	148	265	Peak	VERTICAL
2	11490.20	44.40	54.00	-9.60	28.18	10.71	38.88	33.37	148	265	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Aug. 11, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.80	51.23	54.00	-2.77	34.92	10.76	38.94	33.39	172	48	Average	HORIZONTAL
2	11572.80	63.54	74.00	-10.46	47.23	10.76	38.94	33.39	172	48	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11574.10	60.78	74.00	-13.22	44.47	10.76	38.94	33.39	152	172	Peak	VERTICAL
2	11575.70	48.42	54.00	-5.58	32.11	10.76	38.94	33.39	152	172	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Aug. 11, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11629.10	56.77	74.00	-17.23	40.41	10.79	38.97	33.40	155	163	Peak	HORIZONTAL
2	11642.70	44.34	54.00	-9.66	27.97	10.79	38.98	33.40	155	163	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11648.70	56.83	74.00	-17.17	40.45	10.81	38.98	33.41	142	187	Peak	VERTICAL
2	11650.50	44.71	54.00	-9.29	28.33	10.81	38.98	33.41	142	187	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Aug. 07, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15573.00	58.60	74.00	-15.40	41.66	12.58	38.09	33.73	157	218	Peak	HORIZONTAL
2	15587.10	46.32	54.00	-7.68	29.43	12.58	38.06	33.75	157	218	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15551.40	58.71	74.00	-15.29	41.74	12.58	38.12	33.73	152	244	Peak	VERTICAL
2	15589.80	46.21	54.00	-7.79	29.32	12.58	38.06	33.75	152	244	Average	VERTICAL