

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. 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	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15693.00	59.63	74.00	-14.37	43.00	12.58	37.90	33.85	175	190	Peak	HORIZONTAL
2	15707.70	47.96	54.00	-6.04	31.40	12.57	37.87	33.88	175	190	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	15702.00	58.96	74.00	-15.04	42.40	12.57	37.87	33.88	149	128	Peak	VERTICAL
2	15704.50	46.96	54.00	-7.04	30.40	12.57	37.87	33.88	149	128	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. 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	15820.20	60.49	74.00	-13.51	44.22	12.57	37.68	33.98	147	314	Peak	HORIZONTAL
2	15827.50	47.80	54.00	-6.20	31.53	12.57	37.68	33.98	147	314	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	15818.50	47.74	54.00	-6.26	31.47	12.57	37.68	33.98	151	149	Average	VERTICAL
2	15828.80	60.72	74.00	-13.28	44.47	12.57	37.68	34.00	151	149	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	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	10607.30	41.97	54.00	-12.03	27.00	10.19	38.40	33.62	150	219	Average	HORIZONTAL
2	10623.00	54.75	74.00	-19.25	39.78	10.19	38.40	33.62	150	219	Peak	HORIZONTAL
3	15905.50	59.65	74.00	-14.35	43.63	12.56	37.54	34.08	152	268	Peak	HORIZONTAL
4	15925.00	47.14	54.00	-6.86	31.15	12.56	37.51	34.08	152	268	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	10597.30	41.83	54.00	-12.17	26.90	10.16	38.40	33.63	159	249	Average	VERTICAL
2	10600.40	54.07	74.00	-19.93	39.14	10.16	38.40	33.63	159	249	Peak	VERTICAL
3	15905.50	46.98	54.00	-7.02	30.96	12.56	37.54	34.08	154	217	Average	VERTICAL
4	15927.60	59.86	74.00	-14.14	43.87	12.56	37.51	34.08	154	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	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	11037.80	55.12	74.00	-18.88	39.50	10.57	38.43	33.38	159	322	Peak	HORIZONTAL
2	11042.40	42.93	54.00	-11.07	27.29	10.57	38.45	33.38	159	322	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	11042.10	55.71	74.00	-18.29	40.07	10.57	38.45	33.38	155	291	Peak	VERTICAL
2	11043.20	42.86	54.00	-11.14	27.22	10.57	38.45	33.38	155	291	Average	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. 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	11099.60	44.90	54.00	-9.10	29.20	10.58	38.50	33.38	166	219	Average	HORIZONTAL
2	11106.20	56.12	74.00	-17.88	40.42	10.58	38.50	33.38	166	219	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	11086.00	43.39	54.00	-10.61	27.71	10.58	38.48	33.38	168	239	Average	VERTICAL
2	11119.70	56.02	74.00	-17.98	40.29	10.59	38.52	33.38	168	239	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. 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	11352.70	44.13	54.00	-9.87	28.08	10.67	38.75	33.37	158	259	Average
2	11354.90	55.83	74.00	-18.17	39.78	10.67	38.75	33.37	158	259	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	11324.10	55.51	74.00	-18.49	39.50	10.66	38.72	33.37	148	211	Peak	VERTICAL
2	11345.00	43.13	54.00	-10.87	27.08	10.67	38.75	33.37	148	211	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. 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	11520.10	56.60	74.00	-17.40	40.34	10.73	38.91	33.38	174	83 Peak	HORIZONTAL
2	11529.10	43.67	54.00	-10.33	27.41	10.73	38.91	33.38	174	83 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	11522.60	55.67	74.00	-18.33	39.41	10.73	38.91	33.38	147	137 Peak	VERTICAL
2	11527.30	43.60	54.00	-10.40	27.34	10.73	38.91	33.38	147	137 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	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	11569.40	44.29	54.00	-9.71	27.98	10.75	38.94	33.38	154	239	Average	HORIZONTAL
2	11604.40	57.03	74.00	-16.97	40.69	10.78	38.96	33.40	154	239	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	11590.60	44.50	54.00	-9.50	28.18	10.76	38.95	33.39	160	318	Average	VERTICAL
2	11599.10	56.23	74.00	-17.77	39.90	10.78	38.95	33.40	160	318	Peak	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. 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	15649.70	58.85	74.00	-15.15	42.12	12.58	37.95	33.80	156	213	Peak	HORIZONTAL
2	15653.20	46.33	54.00	-7.67	29.63	12.58	37.95	33.83	156	213	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	15620.00	59.35	74.00	-14.65	42.54	12.58	38.01	33.78	148	117	Peak	VERTICAL
2	15651.40	46.30	54.00	-7.70	29.60	12.58	37.95	33.83	148	117	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. 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	15867.70	59.78	74.00	-14.22	43.65	12.57	37.59	34.03	151	180	Peak	HORIZONTAL
2	15889.00	47.43	54.00	-6.57	31.34	12.57	37.57	34.05	151	180	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	15890.00	47.29	54.00	-6.71	31.20	12.57	37.57	34.05	157	239	Average	VERTICAL
2	15890.50	60.30	74.00	-13.70	44.21	12.57	37.57	34.05	157	239	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. 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	11047.50	55.48	74.00	-18.52	39.84	10.57	38.45	33.38	157	171	Peak	HORIZONTAL
2	11079.70	43.06	54.00	-10.94	27.38	10.58	38.48	33.38	157	171	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	11051.10	43.23	54.00	-10.77	27.59	10.57	38.45	33.38	147	235	Average	VERTICAL
2	11066.90	55.70	74.00	-18.30	40.03	10.58	38.47	33.38	147	235	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	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	11214.50	55.04	74.00	-18.96	39.17	10.63	38.62	33.38	140	243	Peak	HORIZONTAL
2	11240.50	43.32	54.00	-10.68	27.43	10.64	38.63	33.38	140	243	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	11239.60	43.06	54.00	-10.94	27.17	10.64	38.63	33.38	168	155	Average	VERTICAL
2	11240.10	55.48	74.00	-18.52	39.59	10.64	38.63	33.38	168	155	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. 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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11554.10	56.68	74.00	-17.32	40.38	10.75	38.93	33.38	168	185	Peak
2	11566.50	43.82	54.00	-10.18	27.51	10.75	38.94	33.38	168	185	Average

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	11549.70	43.78	54.00	-10.22	27.48	10.75	38.93	33.38	153	265	Average	VERTICAL
2	11573.70	57.35	74.00	-16.65	41.04	10.76	38.94	33.39	153	265	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	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	11438.80	66.05	74.00	-7.95	49.90	10.69	38.83	33.37	188	45	Peak	HORIZONTAL
2	11439.30	51.83	54.00	-2.17	35.68	10.69	38.83	33.37	188	45	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	11437.10	52.73	54.00	-1.27	36.58	10.69	38.83	33.37	136	190	Average	VERTICAL
2	11439.00	67.67	74.00	-6.33	51.52	10.69	38.83	33.37	136	190	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	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	11420.00	63.05	74.00	-10.95	46.91	10.69	38.82	33.37	151	30	Peak	HORIZONTAL
2	11423.30	48.71	54.00	-5.29	32.57	10.69	38.82	33.37	151	30	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	11423.50	50.43	54.00	-3.57	34.29	10.69	38.82	33.37	157	203	Average	VERTICAL
2	11425.20	65.60	74.00	-8.40	49.46	10.69	38.82	33.37	157	203	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	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11393.90	45.02	54.00	-8.98	28.92	10.69	38.78	33.37	232	126	Average
2	11394.60	57.64	74.00	-16.36	41.54	10.69	38.78	33.37	232	126	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	11396.80	59.78	74.00	-14.22	43.66	10.69	38.80	33.37	212	46	Peak	VERTICAL
2	11397.70	46.40	54.00	-7.60	30.28	10.69	38.80	33.37	212	46	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. 10, 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	15539.10	58.60	74.00	-15.40	41.58	12.58	38.14	33.70	200	127	Peak	HORIZONTAL
2	15540.18	46.01	54.00	-7.99	28.99	12.58	38.14	33.70	200	127	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	15540.06	47.04	54.00	-6.96	30.02	12.58	38.14	33.70	175	160	Average	VERTICAL
2	15542.32	60.03	74.00	-13.97	43.01	12.58	38.14	33.70	175	160	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. 10, 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	15597.36	59.42	74.00	-14.58	42.56	12.58	38.03	33.75	200	206	Peak	HORIZONTAL
2	15600.96	46.21	54.00	-7.79	29.38	12.58	38.03	33.78	200	206	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	15603.08	60.85	74.00	-13.15	44.02	12.58	38.03	33.78	175	311	Peak	VERTICAL
2	15603.72	48.98	54.00	-5.02	32.15	12.58	38.03	33.78	175	311	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	Aug. 10, 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	15718.44	47.08	54.00	-6.92	30.55	12.57	37.84	33.88	200	175	Average	HORIZONTAL
2	15718.48	59.97	74.00	-14.03	43.44	12.57	37.84	33.88	200	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	dB	dB/m	dB	cm	deg		
1	15718.10	47.99	54.00	-6.01	31.46	12.57	37.84	33.88	175	45	Average	VERTICAL
2	15720.60	61.22	74.00	-12.78	44.69	12.57	37.84	33.88	175	45	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	Aug. 10, 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	15779.86	60.21	74.00	-13.79	43.83	12.57	37.76	33.95	200	262	Peak	HORIZONTAL
2	15784.08	47.87	54.00	-6.13	31.52	12.57	37.73	33.95	200	262	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	15777.28	48.52	54.00	-5.48	32.14	12.57	37.76	33.95	175	22	Average	VERTICAL
2	15782.44	61.87	74.00	-12.13	45.52	12.57	37.73	33.95	175	22	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. 10, 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	10595.56	55.26	74.00	-18.74	40.33	10.16	38.40	33.63	200	328	Peak	HORIZONTAL
2	10596.42	41.98	54.00	-12.02	27.05	10.16	38.40	33.63	200	328	Average	HORIZONTAL
3	15902.72	60.27	74.00	-13.73	44.21	12.57	37.54	34.05	203	315	Peak	HORIZONTAL
4	15903.42	47.20	54.00	-6.80	31.14	12.57	37.54	34.05	203	315	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.00	55.31	74.00	-18.69	40.38	10.16	38.40	33.63	175	26	Peak	VERTICAL
2	10600.94	42.37	54.00	-11.63	27.40	10.19	38.40	33.62	175	26	Average	VERTICAL
3	15900.00	48.09	54.00	-5.91	32.00	12.57	37.57	34.05	191	273	Average	VERTICAL
4	15902.66	60.11	74.00	-13.89	44.05	12.57	37.54	34.05	191	273	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. 10, 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	10637.62	41.50	54.00	-12.50	26.49	10.21	38.40	33.60	200	321	Average	HORIZONTAL
2	10643.72	54.70	74.00	-19.30	39.69	10.21	38.40	33.60	200	321	Peak	HORIZONTAL
3	15957.78	46.27	54.00	-7.73	30.38	12.56	37.46	34.13	195	84	Average	HORIZONTAL
4	15962.46	60.19	74.00	-13.81	44.30	12.56	37.46	34.13	195	84	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	10638.32	55.08	74.00	-18.92	40.07	10.21	38.40	33.60	175	302	Peak	VERTICAL
2	10643.84	41.91	54.00	-12.09	26.90	10.21	38.40	33.60	175	302	Average	VERTICAL
3	15958.02	46.87	54.00	-7.13	30.98	12.56	37.46	34.13	175	136	Average	VERTICAL
4	15958.02	59.55	74.00	-14.45	43.66	12.56	37.46	34.13	175	136	Peak	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. 10, 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	10995.68	42.74	54.00	-11.26	27.17	10.55	38.40	33.38	200	324	Average	HORIZONTAL
2	11000.92	55.77	74.00	-18.23	40.20	10.55	38.40	33.38	200	324	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	10995.82	43.73	54.00	-10.27	28.16	10.55	38.40	33.38	175	285	Average	VERTICAL
2	10997.54	56.64	74.00	-17.36	41.07	10.55	38.40	33.38	175	285	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	Aug. 10, 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	11143.50	60.72	74.00	-13.28	44.95	10.60	38.55	33.38	196	138 Peak	HORIZONTAL
2	11145.90	48.83	54.00	-5.17	33.06	10.60	38.55	33.38	196	138 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	11164.70	62.20	74.00	-11.80	46.40	10.61	38.57	33.38	188	164 Peak	VERTICAL
2	11167.30	49.67	54.00	-4.33	33.87	10.61	38.57	33.38	188	164 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. 10, 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	11397.10	57.99	74.00	-16.01	41.87	10.69	38.80	33.37	200	298	Peak	HORIZONTAL
2	11403.40	44.88	54.00	-9.12	28.76	10.69	38.80	33.37	200	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	11400.10	45.31	54.00	-8.69	29.19	10.69	38.80	33.37	170	187	Average	VERTICAL
2	11407.80	58.79	74.00	-15.21	42.67	10.69	38.80	33.37	170	187	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. 10, 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	11489.40	43.10	54.00	-10.90	26.88	10.71	38.88	33.37	200	85	Average	HORIZONTAL
2	11510.40	56.14	74.00	-17.86	39.89	10.72	38.90	33.37	200	85	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	11483.40	56.73	74.00	-17.27	40.51	10.71	38.88	33.37	175	303	Peak	VERTICAL
2	11492.50	44.04	54.00	-9.96	27.82	10.71	38.88	33.37	175	303	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. 10, 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	11570.70	48.95	54.00	-5.05	32.64	10.76	38.94	33.39	218	328	Average	HORIZONTAL
2	11572.00	61.20	74.00	-12.80	44.89	10.76	38.94	33.39	218	328	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	11580.70	62.62	74.00	-11.38	46.31	10.76	38.94	33.39	173	182	Peak	VERTICAL
2	11581.50	49.89	54.00	-4.11	33.58	10.76	38.94	33.39	173	182	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. 10, 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	11646.00	44.40	54.00	-9.60	28.03	10.79	38.98	33.40	200	218	Average	HORIZONTAL
2	11656.28	57.09	74.00	-16.91	40.70	10.81	38.99	33.41	200	218	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	11649.92	44.43	54.00	-9.57	28.05	10.81	38.98	33.41	175	37	Average	VERTICAL
2	11650.92	56.81	74.00	-17.19	40.42	10.81	38.99	33.41	175	37	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. 10, 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	15565.08	59.38	74.00	-14.62	42.44	12.58	38.09	33.73	200	213	Peak	HORIZONTAL
2	15578.52	45.94	54.00	-8.06	29.05	12.58	38.06	33.75	200	213	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	15569.08	59.19	74.00	-14.81	42.25	12.58	38.09	33.73	175	12	Peak
2	15579.52	45.96	54.00	-8.04	29.07	12.58	38.06	33.75	175	12	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	Aug. 10, 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	15688.34	60.18	74.00	-13.82	43.55	12.58	37.90	33.85	200	176	Peak	HORIZONTAL
2	15690.34	46.83	54.00	-7.17	30.20	12.58	37.90	33.85	200	176	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15690.26	47.28	54.00	-6.72	30.65	12.58	37.90	33.85	175	324	Average	VERTICAL
2	15690.48	59.97	74.00	-14.03	43.34	12.58	37.90	33.85	175	324	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. 10, 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	15811.66	47.49	54.00	-6.51	31.20	12.57	37.70	33.98	200	146	Average	HORIZONTAL
2	15811.92	59.90	74.00	-14.10	43.61	12.57	37.70	33.98	200	146	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	15807.64	47.55	54.00	-6.45	31.26	12.57	37.70	33.98	175	17	Average	VERTICAL
2	15810.28	60.85	74.00	-13.15	44.56	12.57	37.70	33.98	175	17	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	Aug. 10, 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	10610.24	41.76	54.00	-12.24	26.79	10.19	38.40	33.62	200	235	Average	HORIZONTAL
2	10617.52	55.24	74.00	-18.76	40.27	10.19	38.40	33.62	200	235	Peak	HORIZONTAL
3	15922.32	46.83	54.00	-7.17	30.84	12.56	37.51	34.08	200	333	Average	HORIZONTAL
4	15935.64	59.12	74.00	-14.88	43.18	12.56	37.48	34.10	200	333	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	10614.24	41.90	54.00	-12.10	26.93	10.19	38.40	33.62	175	139	Average	VERTICAL
2	10625.76	54.00	74.00	-20.00	39.03	10.19	38.40	33.62	175	139	Peak	VERTICAL
3	15920.52	46.88	54.00	-7.12	30.89	12.56	37.51	34.08	175	264	Average	VERTICAL
4	15925.12	59.86	74.00	-14.14	43.87	12.56	37.51	34.08	175	264	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. 10, 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	11016.76	56.28	74.00	-17.72	40.68	10.56	38.42	33.38	200	236 Peak	HORIZONTAL
2	11021.64	42.99	54.00	-11.01	27.38	10.56	38.43	33.38	200	236 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	11026.12	57.23	74.00	-16.77	41.62	10.56	38.43	33.38	175	337 Peak	VERTICAL
2	11027.84	44.15	54.00	-9.85	28.54	10.56	38.43	33.38	175	337 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. 10, 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	11100.28	43.39	54.00	-10.61	27.69	10.58	38.50	33.38	200	241	Average	HORIZONTAL
2	11102.08	56.62	74.00	-17.38	40.92	10.58	38.50	33.38	200	241	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	11100.96	44.37	54.00	-9.63	28.67	10.58	38.50	33.38	175	139	Average	VERTICAL
2	11101.04	58.28	74.00	-15.72	42.58	10.58	38.50	33.38	175	139	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	Aug. 10, 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	Loss	Factor	Factor	cm	deg	
1	11332.64	56.19	74.00	-17.81	40.17	10.66	38.73	33.37	200	49 Peak	HORIZONTAL
2	11344.12	43.48	54.00	-10.52	27.45	10.67	38.73	33.37	200	49 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	11344.04	57.01	74.00	-16.99	40.98	10.67	38.73	33.37	175	100 Peak	VERTICAL
2	11347.72	44.53	54.00	-9.47	28.48	10.67	38.75	33.37	175	100 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. 10, 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	11508.60	43.92	54.00	-10.08	27.67	10.72	38.90	33.37	200	313	Average	HORIZONTAL
2	11513.14	57.05	74.00	-16.95	40.80	10.72	38.90	33.37	200	313	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	11505.36	44.02	54.00	-9.98	27.77	10.72	38.90	33.37	175	117	Average	VERTICAL
2	11505.98	56.84	74.00	-17.16	40.59	10.72	38.90	33.37	175	117	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	Aug. 10, 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	11587.76	44.51	54.00	-9.49	28.19	10.76	38.95	33.39	200	216	Average	HORIZONTAL
2	11592.16	58.20	74.00	-15.80	41.88	10.76	38.95	33.39	200	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	11587.26	58.25	74.00	-15.75	41.93	10.76	38.95	33.39	175	73	Peak	VERTICAL
2	11589.90	45.13	54.00	-8.87	28.81	10.76	38.95	33.39	175	73	Average	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. 10, 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	15628.66	59.81	74.00	-14.19	43.05	12.58	37.98	33.80	200	244	Peak	HORIZONTAL
2	15629.24	46.96	54.00	-7.04	30.20	12.58	37.98	33.80	200	244	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	15633.76	47.14	54.00	-6.86	30.38	12.58	37.98	33.80	175	332	Average	VERTICAL
2	15634.58	60.19	74.00	-13.81	43.43	12.58	37.98	33.80	175	332	Peak	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. 10, 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	15870.60	46.90	54.00	-7.10	30.77	12.57	37.59	34.03	200	194	Average	HORIZONTAL
2	15873.70	59.87	74.00	-14.13	43.74	12.57	37.59	34.03	200	194	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	15870.54	47.95	54.00	-6.05	31.82	12.57	37.59	34.03	175	335	Average	VERTICAL
2	15872.38	60.75	74.00	-13.25	44.62	12.57	37.59	34.03	175	335	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. 10, 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	11056.44	56.45	74.00	-17.55	40.79	10.57	38.47	33.38	200	213	Peak	HORIZONTAL
2	11058.90	43.60	54.00	-10.40	27.94	10.57	38.47	33.38	200	213	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	11055.72	43.85	54.00	-10.15	28.19	10.57	38.47	33.38	175	72	Average	VERTICAL
2	11061.98	56.87	74.00	-17.13	41.20	10.58	38.47	33.38	175	72	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	Aug. 10, 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	11222.52	43.13	54.00	-10.87	27.26	10.63	38.62	33.38	200	271	Average	HORIZONTAL
2	11222.68	56.14	74.00	-17.86	40.27	10.63	38.62	33.38	200	271	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	11215.54	56.97	74.00	-17.03	41.10	10.63	38.62	33.38	175	340	Peak	VERTICAL
2	11218.18	44.45	54.00	-9.55	28.58	10.63	38.62	33.38	175	340	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. 10, 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	Loss	Factor	Factor	cm	deg	
1	11548.48	57.32	74.00	-16.68	41.03	10.75	38.92	33.38	200	65 Peak	HORIZONTAL
2	11552.48	44.65	54.00	-9.35	28.35	10.75	38.93	33.38	200	65 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	11548.48	57.32	74.00	-16.68	41.03	10.75	38.92	33.38	200	65 Peak	HORIZONTAL
2	11552.48	44.65	54.00	-9.35	28.35	10.75	38.93	33.38	200	65 Average	HORIZONTAL

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. 10, 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	11439.40	51.82	54.00	-2.18	35.67	10.69	38.83	33.37	205	20	Average	HORIZONTAL
2	11440.30	63.95	74.00	-10.05	47.80	10.69	38.83	33.37	205	20	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	11438.20	64.51	74.00	-9.49	48.36	10.69	38.83	33.37	137	185	Peak	VERTICAL
2	11439.00	52.28	54.00	-1.72	36.13	10.69	38.83	33.37	137	185	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. 10, 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	11420.04	60.91	74.00	-13.09	44.77	10.69	38.82	33.37	200	308	Peak	HORIZONTAL
2	11421.12	46.33	54.00	-7.67	30.19	10.69	38.82	33.37	200	308	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	11415.44	47.60	54.00	-6.40	31.46	10.69	38.82	33.37	175	184	Average	VERTICAL
2	11419.84	62.50	74.00	-11.50	46.36	10.69	38.82	33.37	175	184	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	Aug. 10, 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	11377.18	45.08	54.00	-8.92	29.00	10.68	38.77	33.37	200	139	Average	HORIZONTAL
2	11379.86	59.57	74.00	-14.43	43.48	10.68	38.78	33.37	200	139	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	11380.34	45.67	54.00	-8.33	29.58	10.68	38.78	33.37	175	242	Average	VERTICAL
2	11384.82	57.27	74.00	-16.73	41.18	10.68	38.78	33.37	175	242	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.

<For STBC 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. 25, 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	15536.51	57.63	74.00	-16.37	40.61	12.58	38.14	33.70	170	151	Peak	HORIZONTAL
2	15540.37	44.53	54.00	-9.47	27.51	12.58	38.14	33.70	170	151	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	15538.43	57.93	74.00	-16.07	40.91	12.58	38.14	33.70	162	269	Peak	VERTICAL
2	15541.44	44.51	54.00	-9.49	27.49	12.58	38.14	33.70	162	269	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	Jul. 25, 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	15603.04	46.12	54.00	-7.88	29.29	12.58	38.03	33.78	171	41	Average
2	15604.09	58.11	74.00	-15.89	41.28	12.58	38.03	33.78	171	41	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	15598.64	46.11	54.00	-7.89	29.25	12.58	38.03	33.75	211	167	Average
2	15612.74	57.77	74.00	-16.23	40.96	12.58	38.01	33.78	211	167	Peak

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. 25, 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	15708.14	44.64	54.00	-9.36	28.08	12.57	37.87	33.88	152	262	Average	HORIZONTAL
2	15733.86	57.10	74.00	-16.90	40.62	12.57	37.81	33.90	152	262	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	15696.92	45.02	54.00	-8.98	28.42	12.58	37.87	33.85	170	214	Average	VERTICAL
2	15725.13	57.53	74.00	-16.47	41.00	12.57	37.84	33.88	170	214	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	Jul. 25, 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	15775.03	66.07	74.00	-7.93	49.67	12.57	37.76	33.93	171	192	Peak	HORIZONTAL
2	15779.04	52.01	54.00	-1.99	35.63	12.57	37.76	33.95	171	192	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	15779.84	49.48	54.00	-4.52	33.10	12.57	37.76	33.95	146	195	Average	VERTICAL
2	15779.92	61.33	74.00	-12.67	44.95	12.57	37.76	33.95	146	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
Test Date	Jul. 25, 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	15897.08	44.08	54.00	-9.92	27.99	12.57	37.57	34.05	171	191	Average
2	15901.91	56.87	74.00	-17.13	40.81	12.57	37.54	34.05	171	191	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	15895.74	44.18	54.00	-9.82	28.09	12.57	37.57	34.05	176	231	Average
2	15902.15	57.36	74.00	-16.64	41.30	12.57	37.54	34.05	176	231	Peak

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. 25, 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	15957.34	43.71	54.00	-10.29	27.82	12.56	37.46	34.13	175	131	Average	HORIZONTAL
2	15962.58	57.05	74.00	-16.95	41.16	12.56	37.46	34.13	175	131	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	15958.54	43.91	54.00	-10.09	28.02	12.56	37.46	34.13	177	167	Average
2	15962.74	56.87	74.00	-17.13	40.98	12.56	37.46	34.13	177	167	Peak

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. 25, 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	10995.53	42.45	54.00	-11.55	26.88	10.55	38.40	33.38	195	264	Average
2	11000.11	55.73	74.00	-18.27	40.16	10.55	38.40	33.38	195	264	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	10995.34	42.36	54.00	-11.64	26.79	10.55	38.40	33.38	191	224	Average
2	11001.94	55.88	74.00	-18.12	40.31	10.55	38.40	33.38	191	224	Peak

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. 25, 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	11159.44	45.60	54.00	-8.40	29.81	10.60	38.57	33.38	199	188	Average
2	11161.76	57.16	74.00	-16.84	41.36	10.61	38.57	33.38	199	188	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	11153.11	55.48	74.00	-18.52	39.71	10.60	38.55	33.38	203	98	Peak
2	11160.48	43.27	54.00	-10.73	27.48	10.60	38.57	33.38	203	98	Average

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. 25, 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	11397.48	43.05	54.00	-10.95	26.93	10.69	38.80	33.37	168	220	Average
2	11402.04	57.33	74.00	-16.67	41.21	10.69	38.80	33.37	168	220	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	11398.70	43.02	54.00	-10.98	26.90	10.69	38.80	33.37	172	160	Average
2	11403.62	56.26	74.00	-17.74	40.14	10.69	38.80	33.37	172	160	Peak

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. 25, 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	11487.16	56.30	74.00	-17.70	40.08	10.71	38.88	33.37	162	130	Peak	HORIZONTAL
2	11493.72	42.63	54.00	-11.37	26.40	10.72	38.88	33.37	162	130	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	11485.14	42.92	54.00	-11.08	26.70	10.71	38.88	33.37	172	104	Average
2	11490.61	55.73	74.00	-18.27	39.51	10.71	38.88	33.37	172	104	Peak

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. 25, 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	11570.64	47.93	54.00	-6.07	31.62	10.76	38.94	33.39	209	189 Average	HORIZONTAL
2	11571.52	60.74	74.00	-13.26	44.43	10.76	38.94	33.39	209	189 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	11570.72	46.39	54.00	-7.61	30.08	10.76	38.94	33.39	213	176 Average	VERTICAL
2	11572.24	57.72	74.00	-16.28	41.41	10.76	38.94	33.39	213	176 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	Jul. 25, 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	11648.29	57.36	74.00	-16.64	40.98	10.81	38.98	33.41	185	173	Peak	HORIZONTAL
2	11650.14	42.97	54.00	-11.03	26.59	10.81	38.98	33.41	185	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	11648.03	43.04	54.00	-10.96	26.66	10.81	38.98	33.41	178	218	Average
2	11649.34	55.99	74.00	-18.01	39.61	10.81	38.98	33.41	178	218	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	Jul. 25, 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	15569.51	57.87	74.00	-16.13	40.93	12.58	38.09	33.73	133	295	Peak	HORIZONTAL
2	15572.35	44.36	54.00	-9.64	27.42	12.58	38.09	33.73	133	295	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	15569.19	44.31	54.00	-9.69	27.37	12.58	38.09	33.73	192	148	Average	VERTICAL
2	15570.38	57.43	74.00	-16.57	40.49	12.58	38.09	33.73	192	148	Peak	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. 25, 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	15689.10	57.76	74.00	-16.24	41.13	12.58	37.90	33.85	157	225	Peak	HORIZONTAL
2	15691.19	44.50	54.00	-9.50	27.87	12.58	37.90	33.85	157	225	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	15687.92	44.38	54.00	-9.62	27.75	12.58	37.90	33.85	134	195	Average
2	15691.42	58.03	74.00	-15.97	41.40	12.58	37.90	33.85	134	195	Peak

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. 25, 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	15811.21	56.67	74.00	-17.33	40.38	12.57	37.70	33.98	150	94 Peak	HORIZONTAL
2	15811.58	43.95	54.00	-10.05	27.66	12.57	37.70	33.98	150	94 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	15810.90	57.24	74.00	-16.76	40.95	12.57	37.70	33.98	137	156 Peak	VERTICAL
2	15811.42	43.68	54.00	-10.32	27.39	12.57	37.70	33.98	137	156 Average	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. 25, 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	15928.29	56.68	74.00	-17.32	40.69	12.56	37.51	34.08	167	77 Peak	HORIZONTAL
2	15928.73	43.48	54.00	-10.52	27.49	12.56	37.51	34.08	167	77 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	15929.17	43.68	54.00	-10.32	27.69	12.56	37.51	34.08	170	227 Average	VERTICAL
2	15931.86	57.23	74.00	-16.77	41.26	12.56	37.51	34.10	170	227 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. 25, 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	11016.12	54.93	74.00	-19.07	39.33	10.56	38.42	33.38	140	180	Peak	HORIZONTAL
2	11017.98	42.41	54.00	-11.59	26.81	10.56	38.42	33.38	140	180	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	11023.65	55.38	74.00	-18.62	39.77	10.56	38.43	33.38	154	203	Peak	VERTICAL
2	11024.18	42.46	54.00	-11.54	26.85	10.56	38.43	33.38	154	203	Average	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. 25, 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	11098.72	55.68	74.00	-18.32	39.98	10.58	38.50	33.38	172	200	Peak	HORIZONTAL
2	11102.32	42.74	54.00	-11.26	27.04	10.58	38.50	33.38	172	200	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	11096.47	56.33	74.00	-17.67	40.63	10.58	38.50	33.38	195	240	Peak
2	11104.28	42.55	54.00	-11.45	26.85	10.58	38.50	33.38	195	240	Average

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. 25, 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	11328.62	55.54	74.00	-18.46	39.52	10.66	38.73	33.37	176	189	Peak	HORIZONTAL
2	11344.25	43.44	54.00	-10.56	27.41	10.67	38.73	33.37	176	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	dB	dB/m	dB	cm	deg		
1	11337.68	42.96	54.00	-11.04	26.94	10.66	38.73	33.37	240	304	Average	VERTICAL
2	11343.96	56.32	74.00	-17.68	40.29	10.67	38.73	33.37	240	304	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. 25, 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	11505.91	42.96	54.00	-11.04	26.71	10.72	38.90	33.37	158	219	Average	HORIZONTAL
2	11511.68	56.34	74.00	-17.66	40.09	10.72	38.90	33.37	158	219	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	11509.73	42.84	54.00	-11.16	26.59	10.72	38.90	33.37	162	127	Average
2	11514.04	56.20	74.00	-17.80	39.95	10.72	38.90	33.37	162	127	Peak

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. 25, 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	11590.67	43.18	54.00	-10.82	26.86	10.76	38.95	33.39	150	195	Average	HORIZONTAL
2	11592.87	55.99	74.00	-18.01	39.67	10.76	38.95	33.39	150	195	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	11591.14	43.09	54.00	-10.91	26.77	10.76	38.95	33.39	170	154	Average
2	11593.70	57.32	74.00	-16.68	41.00	10.76	38.95	33.39	170	154	Peak

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. 25, 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	15629.18	58.21	74.00	-15.79	41.45	12.58	37.98	33.80	148	254	Peak	HORIZONTAL
2	15631.71	45.26	54.00	-8.74	28.50	12.58	37.98	33.80	148	254	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	15630.96	56.99	74.00	-17.01	40.23	12.58	37.98	33.80	175	220	Peak	VERTICAL
2	15632.82	44.66	54.00	-9.34	27.90	12.58	37.98	33.80	175	220	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. 25, 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	15867.53	56.83	74.00	-17.17	40.70	12.57	37.59	34.03	164	70 Peak	HORIZONTAL
2	15874.29	44.68	54.00	-9.32	28.55	12.57	37.59	34.03	164	70 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	15867.71	51.76	74.00	-22.24	35.63	12.57	37.59	34.03	158	152 Peak	VERTICAL
2	15873.09	44.44	54.00	-9.56	28.31	12.57	37.59	34.03	158	152 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. 25, 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	11058.96	42.49	54.00	-11.51	26.83	10.57	38.47	33.38	165	199	Average	HORIZONTAL
2	11064.09	55.63	74.00	-18.37	39.96	10.58	38.47	33.38	165	199	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	11057.80	42.53	54.00	-11.47	26.87	10.57	38.47	33.38	152	225	Average	VERTICAL
2	11058.24	55.58	74.00	-18.42	39.92	10.57	38.47	33.38	152	225	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. 25, 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	11223.86	56.95	74.00	-17.05	41.08	10.63	38.62	33.38	147	149	Peak	HORIZONTAL
2	11224.68	42.68	54.00	-11.32	26.81	10.63	38.62	33.38	147	149	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	11219.12	56.21	74.00	-17.79	40.34	10.63	38.62	33.38	149	173	Peak	VERTICAL
2	11224.70	42.60	54.00	-11.40	26.73	10.63	38.62	33.38	149	173	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. 25, 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	11547.50	43.15	54.00	-10.85	26.86	10.75	38.92	33.38	144	298	Average	HORIZONTAL
2	11553.60	54.25	74.00	-19.75	37.95	10.75	38.93	33.38	144	298	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	11549.31	42.95	54.00	-11.05	26.65	10.75	38.93	33.38	100	247	Average
2	11552.50	53.58	74.00	-20.42	37.28	10.75	38.93	33.38	100	247	Peak

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. 25, 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	11437.20	61.69	74.00	-12.31	45.54	10.69	38.83	33.37	185	180	Peak	HORIZONTAL
2	11440.40	49.74	54.00	-4.26	33.59	10.69	38.83	33.37	185	180	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	11438.96	62.54	74.00	-11.46	46.39	10.69	38.83	33.37	196	149	Peak	VERTICAL
2	11441.04	49.34	54.00	-4.66	33.19	10.69	38.83	33.37	196	149	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. 25, 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	11418.88	60.83	74.00	-13.17	44.69	10.69	38.82	33.37	154	201	Peak	HORIZONTAL
2	11420.40	47.34	54.00	-6.66	31.20	10.69	38.82	33.37	154	201	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	11414.39	61.09	74.00	-12.91	44.95	10.69	38.82	33.37	131	191	Peak	VERTICAL
2	11425.53	48.11	54.00	-5.89	31.97	10.69	38.82	33.37	131	191	Average	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. 25, 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	11383.93	55.46	74.00	-18.54	39.37	10.68	38.78	33.37	120	318	Peak	HORIZONTAL
2	11388.65	43.38	54.00	-10.62	27.29	10.68	38.78	33.37	120	318	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	11376.96	43.50	54.00	-10.50	27.42	10.68	38.77	33.37	145	203	Average	VERTICAL
2	11377.20	56.66	74.00	-17.34	40.58	10.68	38.77	33.37	145	203	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. 25, 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	15530.48	43.88	54.00	-10.12	26.86	12.58	38.14	33.70	153	67 Average	HORIZONTAL
2	15537.98	58.51	74.00	-15.49	41.49	12.58	38.14	33.70	153	67 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	15547.66	58.54	74.00	-15.46	41.54	12.58	38.12	33.70	152	46 Peak	VERTICAL
2	15549.49	45.27	54.00	-8.73	28.30	12.58	38.12	33.73	152	46 Average	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. 25, 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	15594.87	58.01	74.00	-15.99	41.15	12.58	38.03	33.75	152	82	Peak
2	15599.42	44.97	54.00	-9.03	28.14	12.58	38.03	33.78	152	82	Average

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	15593.49	44.91	54.00	-9.09	28.02	12.58	38.06	33.75	154	53	Average	VERTICAL
2	15606.89	53.91	74.00	-20.09	37.08	12.58	38.03	33.78	154	53	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	Jul. 25, 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	15710.22	58.35	74.00	-15.65	41.79	12.57	37.87	33.88	158	163	Peak	HORIZONTAL
2	15712.15	44.93	54.00	-9.07	28.37	12.57	37.87	33.88	158	163	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	15723.81	44.95	54.00	-9.05	28.42	12.57	37.84	33.88	167	141	Average	VERTICAL
2	15725.74	57.67	74.00	-16.33	41.14	12.57	37.84	33.88	167	141	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. 25, 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	15770.58	44.46	54.00	-9.54	28.06	12.57	37.76	33.93	151	101	Average	HORIZONTAL
2	15772.40	57.89	74.00	-16.11	41.49	12.57	37.76	33.93	151	101	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15776.51	44.48	54.00	-9.52	28.08	12.57	37.76	33.93	149	125	Average	VERTICAL
2	15778.01	57.69	74.00	-16.31	41.31	12.57	37.76	33.95	149	125	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. 25, 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	10591.12	55.82	74.00	-18.18	40.89	10.16	38.40	33.63	141	177	Peak	HORIZONTAL
2	10598.53	42.64	54.00	-11.36	27.71	10.16	38.40	33.63	141	177	Average	HORIZONTAL
3	15892.82	44.44	54.00	-9.56	28.35	12.57	37.57	34.05	139	99	Average	HORIZONTAL
4	15901.51	57.63	74.00	-16.37	41.57	12.57	37.54	34.05	139	99	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	10590.74	56.90	74.00	-17.10	41.97	10.16	38.40	33.63	140	196	Peak	VERTICAL
2	10609.78	42.67	54.00	-11.33	27.70	10.19	38.40	33.62	140	196	Average	VERTICAL
3	15892.88	57.42	74.00	-16.58	41.33	12.57	37.57	34.05	139	114	Peak	VERTICAL
4	15897.05	44.61	54.00	-9.39	28.52	12.57	37.57	34.05	139	114	Average	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. 25, 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	10639.39	42.63	54.00	-11.37	27.62	10.21	38.40	33.60	138	198	Average	HORIZONTAL
2	10649.62	56.38	74.00	-17.62	41.37	10.21	38.40	33.60	138	198	Peak	HORIZONTAL
3	15958.69	57.47	74.00	-16.53	41.58	12.56	37.46	34.13	138	198	Peak	HORIZONTAL
4	15959.42	43.99	54.00	-10.01	28.10	12.56	37.46	34.13	138	198	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	10633.56	42.80	54.00	-11.20	27.79	10.21	38.40	33.60	138	160	Average	VERTICAL
2	10645.16	55.51	74.00	-18.49	40.50	10.21	38.40	33.60	138	160	Peak	VERTICAL
3	15963.27	44.23	54.00	-9.77	28.34	12.56	37.46	34.13	138	179	Average	VERTICAL
4	15964.01	57.89	74.00	-16.11	42.00	12.56	37.46	34.13	138	179	Peak	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. 25, 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	10993.72	56.33	74.00	-17.67	40.76	10.55	38.40	33.38	164	239	Peak
2	11008.53	42.81	54.00	-11.19	27.22	10.55	38.42	33.38	164	239	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	10998.24	42.82	54.00	-11.18	27.25	10.55	38.40	33.38	168	220	Average
2	11002.34	56.14	74.00	-17.86	40.57	10.55	38.40	33.38	168	220	Peak

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. 25, 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	11155.48	42.97	54.00	-11.03	27.20	10.60	38.55	33.38	160	253	Average	HORIZONTAL
2	11165.35	56.85	74.00	-17.15	41.05	10.61	38.57	33.38	160	253	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	11155.42	55.86	74.00	-18.14	40.09	10.60	38.55	33.38	160	275	Peak	VERTICAL
2	11155.61	41.68	54.00	-12.32	25.91	10.60	38.55	33.38	160	275	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. 25, 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	11391.31	43.52	54.00	-10.48	27.42	10.69	38.78	33.37	154	198	Average	HORIZONTAL
2	11393.43	56.53	74.00	-17.47	40.43	10.69	38.78	33.37	154	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	Loss	Factor	Factor	cm	deg		
1	11402.12	56.13	74.00	-17.87	40.01	10.69	38.80	33.37	156	217	Peak	VERTICAL
2	11404.07	42.61	54.00	-11.39	26.49	10.69	38.80	33.37	156	217	Average	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. 25, 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	11481.19	43.64	54.00	-10.36	27.42	10.71	38.88	33.37	146	151	Average	HORIZONTAL
2	11490.58	57.59	74.00	-16.41	41.37	10.71	38.88	33.37	146	151	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	11482.92	56.41	74.00	-17.59	40.19	10.71	38.88	33.37	152	164	Peak	VERTICAL
2	11489.97	42.82	54.00	-11.18	26.60	10.71	38.88	33.37	152	164	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	Jul. 25, 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	11566.15	57.06	74.00	-16.94	40.75	10.75	38.94	33.38	148	125	Peak	HORIZONTAL
2	11571.83	43.36	54.00	-10.64	27.05	10.76	38.94	33.39	148	125	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	11566.60	56.61	74.00	-17.39	40.30	10.75	38.94	33.38	144	136	Peak	VERTICAL
2	11572.76	43.39	54.00	-10.61	27.08	10.76	38.94	33.39	144	136	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	Jul. 25, 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	11644.94	43.64	54.00	-10.36	27.27	10.79	38.98	33.40	146	110	Average
2	11655.22	57.48	74.00	-16.52	41.09	10.81	38.99	33.41	146	110	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	11645.58	57.05	74.00	-16.95	40.68	10.79	38.98	33.40	144	100	Peak	VERTICAL
2	11658.75	43.05	54.00	-10.95	26.66	10.81	38.99	33.41	144	100	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. 25, 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	15563.97	58.11	74.00	-15.89	41.17	12.58	38.09	33.73	151	94	Peak	HORIZONTAL
2	15576.70	44.79	54.00	-9.21	27.87	12.58	38.09	33.75	151	94	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	15560.45	57.80	74.00	-16.20	40.83	12.58	38.12	33.73	152	107	Peak	VERTICAL
2	15561.70	43.54	54.00	-10.46	26.60	12.58	38.09	33.73	152	107	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	Jul. 25, 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	15689.29	58.74	74.00	-15.26	42.11	12.58	37.90	33.85	160	152	Peak	HORIZONTAL
2	15692.31	44.88	54.00	-9.12	28.25	12.58	37.90	33.85	160	152	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	15693.40	58.23	74.00	-15.77	41.60	12.58	37.90	33.85	167	137	Peak	VERTICAL
2	15698.04	44.12	54.00	-9.88	27.52	12.58	37.87	33.85	167	137	Average	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. 25, 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	15809.81	44.45	54.00	-9.55	28.16	12.57	37.70	33.98	156	182	Average	HORIZONTAL
2	15814.42	57.92	74.00	-16.08	41.63	12.57	37.70	33.98	156	182	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	15803.24	57.43	74.00	-16.57	41.14	12.57	37.70	33.98	160	150	Peak	VERTICAL
2	15810.83	43.19	54.00	-10.81	26.90	12.57	37.70	33.98	160	150	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	Jul. 25, 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	10610.58	42.62	54.00	-11.38	27.65	10.19	38.40	33.62	132	190	Average	HORIZONTAL
2	10617.66	56.52	74.00	-17.48	41.55	10.19	38.40	33.62	132	190	Peak	HORIZONTAL
3	15922.05	57.25	74.00	-16.75	41.26	12.56	37.51	34.08	127	171	Peak	HORIZONTAL
4	15932.72	44.37	54.00	-9.63	28.40	12.56	37.51	34.10	127	171	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	10613.49	42.09	54.00	-11.91	27.12	10.19	38.40	33.62	100	202	Average	VERTICAL
2	10622.02	55.56	74.00	-18.44	40.59	10.19	38.40	33.62	100	202	Peak	VERTICAL
3	15927.12	58.15	74.00	-15.85	42.16	12.56	37.51	34.08	127	188	Peak	VERTICAL
4	15930.38	44.18	54.00	-9.82	28.21	12.56	37.51	34.10	127	188	Average	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. 25, 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	11017.60	43.19	54.00	-10.81	27.59	10.56	38.42	33.38	146	196	Average
2	11027.44	56.02	74.00	-17.98	40.41	10.56	38.43	33.38	146	196	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	11015.83	42.77	54.00	-11.23	27.17	10.56	38.42	33.38	145	216	Average	VERTICAL
2	11016.76	48.20	74.00	-25.80	32.60	10.56	38.42	33.38	145	216	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. 25, 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	10995.13	55.92	74.00	-18.08	40.35	10.55	38.40	33.38	151	268	Peak	HORIZONTAL
2	11008.69	42.82	54.00	-11.18	27.23	10.55	38.42	33.38	151	268	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	11006.73	51.15	74.00	-22.85	35.56	10.55	38.42	33.38	148	250	Peak	VERTICAL
2	11009.87	42.89	54.00	-11.11	27.29	10.56	38.42	33.38	148	250	Average	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. 25, 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	11330.06	56.49	74.00	-17.51	40.47	10.66	38.73	33.37	152	319	Peak	HORIZONTAL
2	11349.84	43.71	54.00	-10.29	27.66	10.67	38.75	33.37	152	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	Loss	Factor	Factor	cm	deg		
1	11334.94	43.56	54.00	-10.44	27.54	10.66	38.73	33.37	152	294	Average	VERTICAL
2	11342.72	50.03	74.00	-23.97	34.00	10.67	38.73	33.37	152	294	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. 25, 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	11500.74	43.57	54.00	-10.43	27.32	10.72	38.90	33.37	153	304	Average	HORIZONTAL
2	11504.90	56.78	74.00	-17.22	40.53	10.72	38.90	33.37	153	304	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	11502.63	43.18	54.00	-10.82	26.93	10.72	38.90	33.37	151	327	Average	VERTICAL
2	11510.99	56.62	74.00	-17.38	40.37	10.72	38.90	33.37	151	327	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. 25, 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	11580.83	56.96	74.00	-17.04	40.65	10.76	38.94	33.39	151	246	Peak	HORIZONTAL
2	11598.08	43.58	54.00	-10.42	27.25	10.78	38.95	33.40	151	246	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	11586.03	42.41	54.00	-11.59	26.09	10.76	38.95	33.39	151	266	Average	VERTICAL
2	11590.42	56.14	74.00	-17.86	39.82	10.76	38.95	33.39	151	266	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. 25, 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	15631.67	44.66	54.00	-9.34	27.90	12.58	37.98	33.80	152	269	Average
2	15633.30	57.93	74.00	-16.07	41.17	12.58	37.98	33.80	152	269	Peak

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	15632.47	43.77	54.00	-10.23	27.01	12.58	37.98	33.80	151	253	Average	VERTICAL
2	15636.12	58.48	74.00	-15.52	41.72	12.58	37.98	33.80	151	253	Peak	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. 25, 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	15860.51	57.84	74.00	-16.16	41.68	12.57	37.62	34.03	150	290	Peak	HORIZONTAL
2	15878.78	44.47	54.00	-9.53	28.34	12.57	37.59	34.03	150	290	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	15869.49	58.71	74.00	-15.29	42.58	12.57	37.59	34.03	158	270	Peak	VERTICAL
2	15870.99	43.80	54.00	-10.20	27.67	12.57	37.59	34.03	158	270	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	Jul. 25, 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	11052.47	55.89	74.00	-18.11	40.25	10.57	38.45	33.38	152	301	Peak	HORIZONTAL
2	11053.24	42.79	54.00	-11.21	27.15	10.57	38.45	33.38	152	301	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	11058.59	55.63	74.00	-18.37	39.97	10.57	38.47	33.38	152	326	Peak	VERTICAL
2	11065.35	41.86	54.00	-12.14	26.19	10.58	38.47	33.38	152	326	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. 25, 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	11217.85	42.93	54.00	-11.07	27.06	10.63	38.62	33.38	151	304	Average
2	11226.96	56.10	74.00	-17.90	40.22	10.63	38.63	33.38	151	304	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	11228.30	56.26	74.00	-17.74	40.38	10.63	38.63	33.38	148	285	Peak	VERTICAL
2	11229.62	42.64	54.00	-11.36	26.76	10.63	38.63	33.38	148	285	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. 25, 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	11541.96	56.25	74.00	-17.75	39.98	10.73	38.92	33.38	151	239	Peak	HORIZONTAL
2	11543.75	43.23	54.00	-10.77	26.96	10.73	38.92	33.38	151	239	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	11543.24	56.64	74.00	-17.36	40.37	10.73	38.92	33.38	151	259	Peak	VERTICAL
2	11558.49	42.40	54.00	-11.60	26.10	10.75	38.93	33.38	151	259	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. 25, 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	11443.65	44.00	54.00	-10.00	27.84	10.70	38.83	33.37	152	141	Average	HORIZONTAL
2	11448.14	57.99	74.00	-16.01	41.81	10.70	38.85	33.37	152	141	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	11443.04	56.27	74.00	-17.73	40.11	10.70	38.83	33.37	152	169	Peak	VERTICAL
2	11448.75	42.68	54.00	-11.32	26.50	10.70	38.85	33.37	152	169	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	Jul. 25, 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	11418.81	44.39	54.00	-9.61	28.25	10.69	38.82	33.37	154	359	Average
2	11419.90	57.98	74.00	-16.02	41.84	10.69	38.82	33.37	154	359	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11416.92	44.44	54.00	-9.56	28.30	10.69	38.82	33.37	150	339	Average	VERTICAL
2	11421.67	53.34	74.00	-20.66	37.20	10.69	38.82	33.37	150	339	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. 25, 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	11385.13	43.45	54.00	-10.55	27.36	10.68	38.78	33.37	153	273	Average	HORIZONTAL
2	11388.72	56.98	74.00	-17.02	40.89	10.68	38.78	33.37	153	273	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	11377.21	43.37	54.00	-10.63	27.29	10.68	38.77	33.37	149	288	Average	VERTICAL
2	11379.26	56.71	74.00	-17.29	40.62	10.68	38.78	33.37	149	288	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. 05, 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	15539.12	58.64	74.00	-15.36	41.62	12.58	38.14	33.70	150	227	Peak	HORIZONTAL
2	15541.34	45.44	54.00	-8.56	28.42	12.58	38.14	33.70	150	227	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	15541.34	59.14	74.00	-14.86	42.12	12.58	38.14	33.70	150	237	Peak	VERTICAL
2	15541.54	45.73	54.00	-8.27	28.71	12.58	38.14	33.70	150	237	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. 05, 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	15600.96	62.61	74.00	-11.39	45.78	12.58	38.03	33.78	150	41	Peak	HORIZONTAL
2	15601.65	46.32	54.00	-7.68	29.49	12.58	38.03	33.78	150	41	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	15601.20	48.35	54.00	-5.65	31.52	12.58	38.03	33.78	182	183	Average	VERTICAL
2	15605.40	61.06	74.00	-12.94	44.23	12.58	38.03	33.78	182	183	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. 05, 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	15718.42	46.80	54.00	-7.20	30.27	12.57	37.84	33.88	157	238	Average
2	15722.46	60.47	74.00	-13.53	43.94	12.57	37.84	33.88	157	238	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	15717.90	47.57	54.00	-6.43	31.04	12.57	37.84	33.88	162	156	Average
2	15718.45	60.60	74.00	-13.40	44.07	12.57	37.84	33.88	162	156	Peak

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. 05, 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	15778.19	63.61	74.00	-10.39	47.23	12.57	37.76	33.95	172	0	Peak	HORIZONTAL
2	15779.37	50.02	54.00	-3.98	33.64	12.57	37.76	33.95	172	0	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	15778.51	50.87	54.00	-3.13	34.49	12.57	37.76	33.95	162	195	Average	VERTICAL
2	15779.73	64.57	74.00	-9.43	48.19	12.57	37.76	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
Test Date	Aug. 05, 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	15900.17	49.15	54.00	-4.85	33.06	12.57	37.57	34.05	141	293	Average	HORIZONTAL
2	15900.18	62.32	74.00	-11.68	46.23	12.57	37.57	34.05	141	293	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	15899.53	49.07	54.00	-4.93	32.98	12.57	37.57	34.05	160	113	Average	VERTICAL
2	15899.75	62.35	74.00	-11.65	46.26	12.57	37.57	34.05	160	113	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	Aug. 05, 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	15957.60	59.55	74.00	-14.45	43.66	12.56	37.46	34.13	152	332	Peak	HORIZONTAL
2	15961.47	46.77	54.00	-7.23	30.88	12.56	37.46	34.13	152	332	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	15958.85	59.26	74.00	-14.74	43.37	12.56	37.46	34.13	152	299	Peak	VERTICAL
2	15959.99	46.41	54.00	-7.59	30.52	12.56	37.46	34.13	152	299	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. 05, 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	10998.48	55.00	74.00	-19.00	39.43	10.55	38.40	33.38	138	33	Peak	HORIZONTAL
2	11000.03	42.07	54.00	-11.93	26.50	10.55	38.40	33.38	138	33	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	10998.71	55.36	74.00	-18.64	39.79	10.55	38.40	33.38	138	43	Peak	VERTICAL
2	10999.73	42.32	54.00	-11.68	26.75	10.55	38.40	33.38	138	43	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. 05, 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	11157.90	44.90	54.00	-9.10	29.11	10.60	38.57	33.38	138	177	Average	HORIZONTAL
2	11159.91	59.23	74.00	-14.77	43.44	10.60	38.57	33.38	138	177	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	11159.16	44.22	54.00	-9.78	28.43	10.60	38.57	33.38	155	167	Average	VERTICAL
2	11159.92	57.44	74.00	-16.56	41.65	10.60	38.57	33.38	155	167	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. 05, 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	11398.05	43.68	54.00	-10.32	27.56	10.69	38.80	33.37	155	234	Average	HORIZONTAL
2	11401.51	57.32	74.00	-16.68	41.20	10.69	38.80	33.37	155	234	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	11398.33	44.67	54.00	-9.33	28.55	10.69	38.80	33.37	155	210	Average	VERTICAL
2	11400.52	57.36	74.00	-16.64	41.24	10.69	38.80	33.37	155	210	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. 05, 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	11490.00	45.61	54.00	-8.39	29.39	10.71	38.88	33.37	140	302	Average	HORIZONTAL
2	11490.00	57.30	74.00	-16.70	41.08	10.71	38.88	33.37	140	302	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	11490.42	45.00	54.00	-9.00	28.78	10.71	38.88	33.37	150	195	Average	VERTICAL
2	11492.49	58.10	74.00	-15.90	41.88	10.71	38.88	33.37	150	195	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	Aug. 05, 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	11570.29	64.30	74.00	-9.70	47.99	10.76	38.94	33.39	146	300	Peak	HORIZONTAL
2	11570.34	50.88	54.00	-3.12	34.57	10.76	38.94	33.39	146	300	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	11570.48	47.54	54.00	-6.46	31.23	10.76	38.94	33.39	144	193	Average	VERTICAL
2	11572.26	60.66	74.00	-13.34	44.35	10.76	38.94	33.39	144	193	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. 05, 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	11647.55	56.58	74.00	-17.42	40.20	10.81	38.98	33.41	153	279	Peak	HORIZONTAL
2	11647.57	43.84	54.00	-10.16	27.46	10.81	38.98	33.41	153	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	dB	dB/m	dB	cm	deg		
1	11648.47	56.82	74.00	-17.18	40.44	10.81	38.98	33.41	153	293	Peak	VERTICAL
2	11648.98	44.09	54.00	-9.91	27.71	10.81	38.98	33.41	153	293	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. 05, 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	15570.11	58.33	74.00	-15.67	41.39	12.58	38.09	33.73	153	244	Peak	HORIZONTAL
2	15572.40	45.75	54.00	-8.25	28.81	12.58	38.09	33.73	153	244	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	15567.80	59.61	74.00	-14.39	42.67	12.58	38.09	33.73	153	219	Peak	VERTICAL
2	15571.04	45.42	54.00	-8.58	28.48	12.58	38.09	33.73	153	219	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. 05, 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	15687.50	46.58	54.00	-7.42	29.95	12.58	37.90	33.85	153	39 Average	HORIZONTAL
2	15690.35	59.90	74.00	-14.10	43.27	12.58	37.90	33.85	153	39 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	15688.46	59.99	74.00	-14.01	43.36	12.58	37.90	33.85	153	22 Peak	VERTICAL
2	15689.82	46.70	54.00	-7.30	30.07	12.58	37.90	33.85	153	22 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. 05, 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	15810.13	60.59	74.00	-13.41	44.30	12.57	37.70	33.98	153	323	Peak
2	15811.75	47.84	54.00	-6.16	31.55	12.57	37.70	33.98	153	323	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	15808.23	47.65	54.00	-6.35	31.36	12.57	37.70	33.98	153	35	Average
2	15811.76	60.38	74.00	-13.62	44.09	12.57	37.70	33.98	153	35	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. 05, 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	15931.40	46.75	54.00	-7.25	30.78	12.56	37.51	34.10	153	327	Average	HORIZONTAL
2	15931.71	60.03	74.00	-13.97	44.06	12.56	37.51	34.10	153	327	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	15928.59	46.78	54.00	-7.22	30.79	12.56	37.51	34.08	153	81	Average	VERTICAL
2	15929.85	60.13	74.00	-13.87	44.14	12.56	37.51	34.08	153	81	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	Aug. 05, 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	11019.21	42.44	54.00	-11.56	26.84	10.56	38.42	33.38	153	338	Average	HORIZONTAL
2	11022.33	54.58	74.00	-19.42	38.97	10.56	38.43	33.38	153	338	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	11018.78	55.52	74.00	-18.48	39.92	10.56	38.42	33.38	153	322	Peak	VERTICAL
2	11019.44	42.41	54.00	-11.59	26.81	10.56	38.42	33.38	153	322	Average	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. 05, 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	11099.78	42.75	54.00	-11.25	27.05	10.58	38.50	33.38	153	124	Average	HORIZONTAL
2	11102.48	55.66	74.00	-18.34	39.96	10.58	38.50	33.38	153	124	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	11099.40	55.82	74.00	-18.18	40.12	10.58	38.50	33.38	153	132	Peak	VERTICAL
2	11100.91	42.86	54.00	-11.14	27.16	10.58	38.50	33.38	153	132	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	Aug. 05, 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	11340.69	56.41	74.00	-17.59	40.38	10.67	38.73	33.37	153	82	Peak	HORIZONTAL
2	11340.72	42.73	54.00	-11.27	26.70	10.67	38.73	33.37	153	82	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	11340.68	43.02	54.00	-10.98	26.99	10.67	38.73	33.37	150	125	Average	VERTICAL
2	11340.71	56.09	74.00	-17.91	40.06	10.67	38.73	33.37	150	125	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	Aug. 05, 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	11509.59	42.58	54.00	-11.42	26.33	10.72	38.90	33.37	155	151	Average	HORIZONTAL
2	11511.24	55.89	74.00	-18.11	39.64	10.72	38.90	33.37	155	151	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	11509.87	42.61	54.00	-11.39	26.36	10.72	38.90	33.37	136	244	Average	VERTICAL
2	11512.27	55.85	74.00	-18.15	39.60	10.72	38.90	33.37	136	244	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. 05, 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	11588.99	56.47	74.00	-17.53	40.15	10.76	38.95	33.39	148	119	Peak	HORIZONTAL
2	11591.60	43.30	54.00	-10.70	26.98	10.76	38.95	33.39	148	119	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	11591.33	56.95	74.00	-17.05	40.63	10.76	38.95	33.39	151	52	Peak	VERTICAL
2	11592.12	43.63	54.00	-10.37	27.31	10.76	38.95	33.39	151	52	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. 05, 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	15628.19	60.26	74.00	-13.74	43.47	12.58	38.01	33.80	148	230	Peak	HORIZONTAL
2	15632.32	47.11	54.00	-6.89	30.35	12.58	37.98	33.80	148	230	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	15630.95	46.96	54.00	-7.04	30.20	12.58	37.98	33.80	185	135	Average	VERTICAL
2	15632.23	60.34	74.00	-13.66	43.58	12.58	37.98	33.80	185	135	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	Aug. 05, 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	15867.96	58.91	74.00	-15.09	42.78	12.57	37.59	34.03	185	207	Peak	HORIZONTAL
2	15868.44	46.24	54.00	-7.76	30.11	12.57	37.59	34.03	185	207	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	15872.10	46.26	54.00	-7.74	30.13	12.57	37.59	34.03	185	159	Average	VERTICAL
2	15872.30	59.21	74.00	-14.79	43.08	12.57	37.59	34.03	185	159	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. 05, 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	11058.90	42.50	54.00	-11.50	26.84	10.57	38.47	33.38	175	207	Average	HORIZONTAL
2	11059.34	54.83	74.00	-19.17	39.17	10.57	38.47	33.38	175	207	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	11059.37	42.35	54.00	-11.65	26.69	10.57	38.47	33.38	175	192	Average	VERTICAL
2	11060.62	55.83	74.00	-18.17	40.16	10.58	38.47	33.38	175	192	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	Aug. 05, 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	11218.86	42.43	54.00	-11.57	26.56	10.63	38.62	33.38	175	77	Average	HORIZONTAL
2	11221.17	55.13	74.00	-18.87	39.26	10.63	38.62	33.38	175	77	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	11218.07	42.38	54.00	-11.62	26.51	10.63	38.62	33.38	175	57	Average	VERTICAL
2	11221.63	55.58	74.00	-18.42	39.71	10.63	38.62	33.38	175	57	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. 05, 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	11550.51	42.82	54.00	-11.18	26.52	10.75	38.93	33.38	171	166	Average	HORIZONTAL
2	11551.94	56.01	74.00	-17.99	39.71	10.75	38.93	33.38	171	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	11548.11	55.47	74.00	-18.53	39.18	10.75	38.92	33.38	171	284	Peak	VERTICAL
2	11550.62	42.84	54.00	-11.16	26.54	10.75	38.93	33.38	171	284	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. 05, 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	11437.59	65.79	74.00	-8.21	49.64	10.69	38.83	33.37	150	293	Peak	HORIZONTAL
2	11439.08	52.22	54.00	-1.78	36.07	10.69	38.83	33.37	150	293	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	11438.38	65.44	74.00	-8.56	49.29	10.69	38.83	33.37	150	195	Peak	VERTICAL
2	11439.68	51.86	54.00	-2.14	35.71	10.69	38.83	33.37	150	195	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. 05, 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	11420.57	63.05	74.00	-10.95	46.91	10.69	38.82	33.37	212	300	Peak	HORIZONTAL
2	11422.36	49.13	54.00	-4.87	32.99	10.69	38.82	33.37	212	300	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	11420.04	63.66	74.00	-10.34	47.52	10.69	38.82	33.37	148	208	Peak	VERTICAL
2	11422.19	48.94	54.00	-5.06	32.80	10.69	38.82	33.37	148	208	Average	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	Aug. 05, 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	11380.45	44.91	54.00	-9.09	28.82	10.68	38.78	33.37	143	298	Average	HORIZONTAL
2	11380.53	58.14	74.00	-15.86	42.05	10.68	38.78	33.37	143	298	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	11379.63	44.75	54.00	-9.25	28.66	10.68	38.78	33.37	171	100	Average	VERTICAL
2	11381.35	56.66	74.00	-17.34	40.57	10.68	38.78	33.37	171	100	Peak	VERTICAL

Note:

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

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

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

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. 05, 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	15532.36	47.07	54.00	-6.93	30.05	12.58	38.14	33.70	159	244	Average	HORIZONTAL
2	15545.56	59.75	74.00	-14.25	42.75	12.58	38.12	33.70	159	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	15531.16	60.74	74.00	-13.26	43.72	12.58	38.14	33.70	161	231	Peak	VERTICAL
2	15539.76	47.13	54.00	-6.87	30.11	12.58	38.14	33.70	161	231	Average	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. 05, 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	15598.00	47.44	54.00	-6.56	30.58	12.58	38.03	33.75	154	242	Average	HORIZONTAL
2	15603.92	60.43	74.00	-13.57	43.60	12.58	38.03	33.78	154	242	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	15594.68	61.95	74.00	-12.05	45.09	12.58	38.03	33.75	156	226	Peak	VERTICAL
2	15602.64	48.18	54.00	-5.82	31.35	12.58	38.03	33.78	156	226	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	Aug. 05, 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	15716.96	59.69	74.00	-14.31	43.16	12.57	37.84	33.88	150	280	Peak	HORIZONTAL
2	15721.44	46.80	54.00	-7.20	30.27	12.57	37.84	33.88	150	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	15726.28	59.25	74.00	-14.75	42.74	12.57	37.84	33.90	153	262	Peak	VERTICAL
2	15727.80	46.42	54.00	-7.58	29.91	12.57	37.84	33.90	153	262	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. 05, 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	15780.28	47.73	54.00	-6.27	31.35	12.57	37.76	33.95	154	179	Average	HORIZONTAL
2	15781.16	61.00	74.00	-13.00	44.62	12.57	37.76	33.95	154	179	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	15777.08	60.16	74.00	-13.84	43.76	12.57	37.76	33.93	150	198	Peak	VERTICAL
2	15784.16	47.21	54.00	-6.79	30.86	12.57	37.73	33.95	150	198	Average	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. 05, 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	10593.28	42.29	54.00	-11.71	27.36	10.16	38.40	33.63	160	146	Average	HORIZONTAL
2	10593.84	54.92	74.00	-19.08	39.99	10.16	38.40	33.63	160	146	Peak	HORIZONTAL
3	15897.56	47.24	54.00	-6.76	31.15	12.57	37.57	34.05	157	170	Average	HORIZONTAL
4	15899.08	59.73	74.00	-14.27	43.64	12.57	37.57	34.05	157	170	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	10595.32	55.50	74.00	-18.50	40.57	10.16	38.40	33.63	156	164	Peak	VERTICAL
2	10596.40	42.52	54.00	-11.48	27.59	10.16	38.40	33.63	156	164	Average	VERTICAL
3	15897.64	59.77	74.00	-14.23	43.68	12.57	37.57	34.05	154	185	Peak	VERTICAL
4	15902.32	47.02	54.00	-6.98	30.96	12.57	37.54	34.05	154	185	Average	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. 05, 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	10634.16	55.30	74.00	-18.70	40.29	10.21	38.40	33.60	156	152	Peak	HORIZONTAL
2	10636.68	42.18	54.00	-11.82	27.17	10.21	38.40	33.60	156	152	Average	HORIZONTAL
3	15958.32	59.30	74.00	-14.70	43.41	12.56	37.46	34.13	160	135	Peak	HORIZONTAL
4	15965.16	47.03	54.00	-6.97	31.14	12.56	37.46	34.13	160	135	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	10630.12	42.21	54.00	-11.79	27.20	10.21	38.40	33.60	158	131	Average	VERTICAL
2	10630.96	55.18	74.00	-18.82	40.17	10.21	38.40	33.60	158	131	Peak	VERTICAL
3	15962.24	60.30	74.00	-13.70	44.41	12.56	37.46	34.13	156	118	Peak	VERTICAL
4	15969.68	46.91	54.00	-7.09	31.05	12.56	37.43	34.13	156	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	Aug. 05, 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	10990.80	54.41	74.00	-19.59	38.84	10.55	38.40	33.38	148	187	Peak	HORIZONTAL
2	11009.76	41.67	54.00	-12.33	26.07	10.56	38.42	33.38	148	187	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	10994.80	41.93	54.00	-12.07	26.36	10.55	38.40	33.38	155	170	Average	VERTICAL
2	11008.16	54.38	74.00	-19.62	38.79	10.55	38.42	33.38	155	170	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	Aug. 05, 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	11158.80	56.69	74.00	-17.31	40.90	10.60	38.57	33.38	153	231	Peak	HORIZONTAL
2	11159.32	42.85	54.00	-11.15	27.06	10.60	38.57	33.38	153	231	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	11159.40	43.97	54.00	-10.03	28.18	10.60	38.57	33.38	151	210	Average	VERTICAL
2	11168.68	56.96	74.00	-17.04	41.16	10.61	38.57	33.38	151	210	Peak	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. 05, 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	11393.04	42.68	54.00	-11.32	26.58	10.69	38.78	33.37	152	263	Average	HORIZONTAL
2	11405.64	55.26	74.00	-18.74	39.14	10.69	38.80	33.37	152	263	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	11391.12	55.55	74.00	-18.45	39.46	10.68	38.78	33.37	154	246	Peak	VERTICAL
2	11397.52	42.85	54.00	-11.15	26.73	10.69	38.80	33.37	154	246	Average	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. 05, 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	11483.20	55.39	74.00	-18.61	39.17	10.71	38.88	33.37	150	307	Peak	HORIZONTAL
2	11490.04	42.54	54.00	-11.46	26.32	10.71	38.88	33.37	150	307	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	11486.84	57.27	74.00	-16.73	41.05	10.71	38.88	33.37	152	286	Peak	VERTICAL
2	11488.28	43.17	54.00	-10.83	26.95	10.71	38.88	33.37	152	286	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. 05, 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	11569.56	56.57	74.00	-17.43	40.26	10.75	38.94	33.38	151	218	Peak	HORIZONTAL
2	11575.08	43.48	54.00	-10.52	27.17	10.76	38.94	33.39	151	218	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	11569.64	46.87	54.00	-7.13	30.56	10.75	38.94	33.38	152	193	Average	VERTICAL
2	11573.60	58.88	74.00	-15.12	42.57	10.76	38.94	33.39	152	193	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	Aug. 05, 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	11641.84	43.45	54.00	-10.55	27.08	10.79	38.98	33.40	150	223	Average	HORIZONTAL
2	11644.80	56.00	74.00	-18.00	39.63	10.79	38.98	33.40	150	223	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	11645.48	43.50	54.00	-10.50	27.13	10.79	38.98	33.40	150	199	Average	VERTICAL
2	11652.84	56.30	74.00	-17.70	39.91	10.81	38.99	33.41	150	199	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. 05, 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	15562.00	60.24	74.00	-13.76	43.30	12.58	38.09	33.73	165	260	Peak	HORIZONTAL
2	15572.96	46.90	54.00	-7.10	29.96	12.58	38.09	33.73	165	260	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	15570.72	47.25	54.00	-6.75	30.31	12.58	38.09	33.73	149	244	Average	VERTICAL
2	15571.68	59.65	74.00	-14.35	42.71	12.58	38.09	33.73	149	244	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	Aug. 05, 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	15687.48	59.32	74.00	-14.68	42.69	12.58	37.90	33.85	159	262	Peak	HORIZONTAL
2	15694.56	46.80	54.00	-7.20	30.17	12.58	37.90	33.85	159	262	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	15681.60	59.53	74.00	-14.47	42.90	12.58	37.90	33.85	161	276	Peak	VERTICAL
2	15688.20	46.80	54.00	-7.20	30.17	12.58	37.90	33.85	161	276	Average	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. 05, 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	Loss	Factor	Factor	cm	deg	
1	15810.48	46.72	54.00	-7.28	30.43	12.57	37.70	33.98	156	304	Average
2	15812.48	59.89	74.00	-14.11	43.60	12.57	37.70	33.98	156	304	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	15809.76	46.86	54.00	-7.14	30.57	12.57	37.70	33.98	157	280	Average
2	15815.96	59.86	74.00	-14.14	43.59	12.57	37.68	33.98	157	280	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	Aug. 05, 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	10619.56	55.56	74.00	-18.44	40.59	10.19	38.40	33.62	154	341	Peak	HORIZONTAL
2	10623.16	42.43	54.00	-11.57	27.46	10.19	38.40	33.62	154	341	Average	HORIZONTAL
3	15923.84	59.95	74.00	-14.05	43.96	12.56	37.51	34.08	156	326	Peak	HORIZONTAL
4	15925.76	46.98	54.00	-7.02	30.99	12.56	37.51	34.08	156	326	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	10610.24	42.35	54.00	-11.65	27.38	10.19	38.40	33.62	155	288	Average	VERTICAL
2	10613.76	55.17	74.00	-18.83	40.20	10.19	38.40	33.62	155	288	Peak	VERTICAL
3	15920.96	47.24	54.00	-6.76	31.25	12.56	37.51	34.08	158	308	Average	VERTICAL
4	15938.80	60.02	74.00	-13.98	44.08	12.56	37.48	34.10	158	308	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. 05, 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	11020.80	55.48	74.00	-18.52	39.88	10.56	38.42	33.38	149	346	Peak	HORIZONTAL
2	11027.64	42.08	54.00	-11.92	26.47	10.56	38.43	33.38	149	346	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	11015.28	54.84	74.00	-19.16	39.24	10.56	38.42	33.38	152	326	Peak	VERTICAL
2	11028.60	42.03	54.00	-11.97	26.42	10.56	38.43	33.38	152	326	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. 05, 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	11094.04	55.68	74.00	-18.32	39.98	10.58	38.50	33.38	161	299	Peak	HORIZONTAL
2	11104.40	42.90	54.00	-11.10	27.20	10.58	38.50	33.38	161	299	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	11102.00	55.86	74.00	-18.14	40.16	10.58	38.50	33.38	164	320	Peak	VERTICAL
2	11109.68	43.19	54.00	-10.81	27.47	10.58	38.52	33.38	164	320	Average	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	Aug. 05, 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	11337.08	42.53	54.00	-11.47	26.51	10.66	38.73	33.37	157	269	Average	HORIZONTAL
2	11339.60	55.14	74.00	-18.86	39.12	10.66	38.73	33.37	157	269	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	11347.76	42.82	54.00	-11.18	26.77	10.67	38.75	33.37	159	284	Average	VERTICAL
2	11348.12	55.52	74.00	-18.48	39.47	10.67	38.75	33.37	159	284	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	Aug. 05, 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	11502.36	55.80	74.00	-18.20	39.55	10.72	38.90	33.37	151	290	Peak	HORIZONTAL
2	11517.92	42.91	54.00	-11.09	26.65	10.72	38.91	33.37	151	290	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	11500.64	42.88	54.00	-11.12	26.63	10.72	38.90	33.37	153	276	Average	VERTICAL
2	11514.16	55.50	74.00	-18.50	39.25	10.72	38.90	33.37	153	276	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	Aug. 05, 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	11596.92	55.80	74.00	-18.20	39.47	10.78	38.95	33.40	153	259	Peak	HORIZONTAL
2	11597.32	43.51	54.00	-10.49	27.18	10.78	38.95	33.40	153	259	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	11582.24	56.40	74.00	-17.60	40.09	10.76	38.94	33.39	155	272	Peak	VERTICAL
2	11596.36	43.61	54.00	-10.39	27.28	10.78	38.95	33.40	155	272	Average	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. 05, 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	15622.96	60.48	74.00	-13.52	43.67	12.58	38.01	33.78	150	218	Peak	HORIZONTAL
2	15634.36	47.23	54.00	-6.77	30.47	12.58	37.98	33.80	150	218	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	15623.64	60.83	74.00	-13.17	44.02	12.58	38.01	33.78	152	240	Peak	VERTICAL
2	15623.80	47.35	54.00	-6.65	30.54	12.58	38.01	33.78	152	240	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. 05, 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	15864.64	59.00	74.00	-15.00	42.84	12.57	37.62	34.03	151	224	Peak	HORIZONTAL
2	15876.44	46.64	54.00	-7.36	30.51	12.57	37.59	34.03	151	224	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	15870.96	59.60	74.00	-14.40	43.47	12.57	37.59	34.03	153	204	Peak	VERTICAL
2	15877.44	46.67	54.00	-7.33	30.54	12.57	37.59	34.03	153	204	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. 05, 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	11056.92	55.13	74.00	-18.87	39.47	10.57	38.47	33.38	150	223	Peak	HORIZONTAL
2	11066.28	42.51	54.00	-11.49	26.84	10.58	38.47	33.38	150	223	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	11061.28	55.09	74.00	-18.91	39.42	10.58	38.47	33.38	153	207	Peak	VERTICAL
2	11064.36	42.44	54.00	-11.56	26.77	10.58	38.47	33.38	153	207	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. 05, 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	11215.72	42.55	54.00	-11.45	26.68	10.63	38.62	33.38	154	185	Average	HORIZONTAL
2	11219.76	55.99	74.00	-18.01	40.12	10.63	38.62	33.38	154	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	11223.80	55.57	74.00	-18.43	39.70	10.63	38.62	33.38	152	205	Peak	VERTICAL
2	11224.28	42.78	54.00	-11.22	26.91	10.63	38.62	33.38	152	205	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. 05, 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	11549.44	56.29	74.00	-17.71	39.99	10.75	38.93	33.38	151	288	Peak	HORIZONTAL
2	11559.32	42.92	54.00	-11.08	26.62	10.75	38.93	33.38	151	288	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	11553.12	55.30	74.00	-18.70	39.00	10.75	38.93	33.38	155	260	Peak	VERTICAL
2	11559.68	42.99	54.00	-11.01	26.69	10.75	38.93	33.38	155	260	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	Aug. 05, 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	11439.84	49.54	54.00	-4.46	33.39	10.69	38.83	33.37	150	293	Average	HORIZONTAL
2	11439.92	64.74	74.00	-9.26	48.59	10.69	38.83	33.37	150	293	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	11438.72	62.16	74.00	-11.84	46.01	10.69	38.83	33.37	152	206	Peak	VERTICAL
2	11439.88	49.04	54.00	-4.96	32.89	10.69	38.83	33.37	152	206	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. 05, 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	11418.72	60.32	74.00	-13.68	44.18	10.69	38.82	33.37	151	288	Peak	HORIZONTAL
2	11427.60	46.01	54.00	-7.99	29.87	10.69	38.82	33.37	151	288	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	11419.64	42.94	54.00	-11.06	26.80	10.69	38.82	33.37	151	171	Average	VERTICAL
2	11420.92	55.29	74.00	-18.71	39.15	10.69	38.82	33.37	151	171	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	Aug. 05, 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	11370.08	43.02	54.00	-10.98	26.94	10.68	38.77	33.37	151	233	Average	HORIZONTAL
2	11380.40	56.51	74.00	-17.49	40.42	10.68	38.78	33.37	151	233	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	11377.56	44.49	54.00	-9.51	28.41	10.68	38.77	33.37	154	208	Average	VERTICAL
2	11380.76	57.32	74.00	-16.68	41.23	10.68	38.78	33.37	154	208	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.

4.7. Band Edge Emissions Measurement

4.7.1. Limit

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

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

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

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

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

4.7.2. Measuring Instruments and Setting

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

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

4.7.3. Test Procedures

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

4.7.4. Test Setup Layout

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

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

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.

4.7.7. Test Result of Band Edge and Fundamental Emissions

<For Non-Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Channel 36

	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	5150.00	52.66	54.00	-1.34	45.76	6.21	33.74	33.05	209	355	Average	HORIZONTAL
2	5150.00	72.49	74.00	-1.51	65.59	6.21	33.74	33.05	209	355	Peak	HORIZONTAL
3	5178.40	113.34			106.36	6.24	33.79	33.05	209	355	Peak	HORIZONTAL
4	5178.88	101.81			94.83	6.24	33.79	33.05	209	355	Average	HORIZONTAL

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

Channel 40

	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	5150.00	52.49	54.00	-1.51	45.59	6.21	33.74	33.05	168	354	Average	HORIZONTAL
2	5150.00	68.35	74.00	-5.65	61.45	6.21	33.74	33.05	168	354	Peak	HORIZONTAL
3	5198.72	105.90			98.86	6.27	33.82	33.05	168	354	Average	HORIZONTAL
4	5199.68	116.69			109.65	6.27	33.82	33.05	168	354	Peak	HORIZONTAL

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

Channel 48

	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	5117.89	62.91	74.00	-11.09	56.13	6.14	33.69	33.05	144	355	Peak	HORIZONTAL
2	5121.25	50.55	54.00	-3.45	43.74	6.17	33.69	33.05	144	355	Average	HORIZONTAL
3	5236.64	115.52			108.40	6.30	33.87	33.05	144	355	Peak	HORIZONTAL
4	5238.56	104.11			96.99	6.30	33.87	33.05	144	355	Average	HORIZONTAL
5	5352.98	62.72	74.00	-11.28	55.25	6.47	34.06	33.06	144	355	Peak	HORIZONTAL
6	5357.31	50.52	54.00	-3.48	43.05	6.47	34.06	33.06	144	355	Average	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Channel 52

	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	5138.37	64.58	74.00	-9.42	57.75	6.17	33.71	33.05	152	353	Peak	HORIZONTAL
2	5140.77	52.61	54.00	-1.39	45.75	6.17	33.74	33.05	152	353	Average	HORIZONTAL
3	5260.96	107.55			100.34	6.34	33.93	33.06	152	353	Average	HORIZONTAL
4	5265.77	118.66			111.45	6.34	33.93	33.06	152	353	Peak	HORIZONTAL
5	5376.83	64.96	74.00	-9.04	57.43	6.50	34.09	33.06	152	353	Peak	HORIZONTAL
6	5381.15	52.09	54.00	-1.91	44.54	6.50	34.11	33.06	152	353	Average	HORIZONTAL

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

Channel 60

	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	5298.56	105.90			98.58	6.40	33.98	33.06	171	352	Average	HORIZONTAL
2	5298.56	116.76			109.44	6.40	33.98	33.06	171	352	Peak	HORIZONTAL
3	5350.00	52.91	54.00	-1.09	45.44	6.47	34.06	33.06	171	352	Average	HORIZONTAL
4	5351.44	68.23	74.00	-5.77	60.76	6.47	34.06	33.06	171	352	Peak	HORIZONTAL

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

Channel 64

	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	5321.28	102.07			94.72	6.40	34.01	33.06	181	352	Average	HORIZONTAL
2	5323.21	113.12			105.74	6.43	34.01	33.06	181	352	Peak	HORIZONTAL
3	5350.00	52.44	54.00	-1.56	44.97	6.47	34.06	33.06	181	352	Average	HORIZONTAL
4	5350.00	67.36	74.00	-6.64	59.89	6.47	34.06	33.06	181	352	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Channel 100

	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	5378.80	49.34	54.00	-4.66	41.79	6.50	34.11	33.06	167	356	Average	HORIZONTAL
2	5459.62	63.43	74.00	-10.57	55.67	6.60	34.22	33.06	167	356	Peak	HORIZONTAL
3	5469.23	70.31	74.00	-3.69	62.52	6.60	34.25	33.06	167	356	Peak	HORIZONTAL
4	5470.00	52.32	54.00	-1.68	44.53	6.60	34.25	33.06	167	356	Average	HORIZONTAL
5	5501.28	102.96			95.08	6.65	34.30	33.07	167	356	Average	HORIZONTAL
6	5501.28	115.04			107.16	6.65	34.30	33.07	167	356	Peak	HORIZONTAL

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

Channel 116

	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	5457.40	63.53	74.00	-10.47	55.77	6.60	34.22	33.06	139	352	Peak	HORIZONTAL
2	5458.85	52.70	54.00	-1.30	44.94	6.60	34.22	33.06	139	352	Average	HORIZONTAL
3	5460.96	52.71	54.00	-1.29	44.95	6.60	34.22	33.06	139	352	Average	HORIZONTAL
4	5460.96	64.54	74.00	-9.46	56.78	6.60	34.22	33.06	139	352	Peak	HORIZONTAL
5	5578.56	115.19			107.22	6.72	34.34	33.09	139	352	Peak	HORIZONTAL
6	5581.44	104.93			96.96	6.72	34.34	33.09	139	352	Average	HORIZONTAL
7	5725.00	48.25	54.00	-5.75	40.12	6.83	34.43	33.13	139	352	Average	HORIZONTAL
8	5725.00	59.36	74.00	-14.64	51.23	6.83	34.43	33.13	139	352	Peak	HORIZONTAL

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

Channel 140

	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	5698.40	100.72			92.62	6.81	34.41	33.12	150	0	Average	HORIZONTAL
2	5701.92	112.53			104.42	6.81	34.42	33.12	150	0	Peak	HORIZONTAL
3	5725.00	52.62	54.00	-1.38	44.49	6.83	34.43	33.13	150	0	Average	HORIZONTAL
4	5725.00	72.67	74.00	-1.33	64.54	6.83	34.43	33.13	150	0	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Channel 149

	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	5711.03	67.08	68.20	-1.12	58.96	6.83	34.42	33.13	142	362 Peak	HORIZONTAL
2	5725.00	76.49	78.20	-1.71	68.36	6.83	34.43	33.13	142	362 Peak	HORIZONTAL
3	5743.08	100.72			92.56	6.86	34.44	33.14	142	362 Average	HORIZONTAL
4	5743.72	111.93			103.77	6.86	34.44	33.14	142	362 Peak	HORIZONTAL

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

Channel 157

	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	5712.56	66.44	68.20	-1.76	58.32	6.83	34.42	33.13	214	2 Peak	HORIZONTAL
2	5718.85	66.44	78.20	-11.76	58.31	6.83	34.43	33.13	214	2 Peak	HORIZONTAL
3	5786.28	106.22			98.00	6.90	34.48	33.16	214	2 Average	HORIZONTAL
4	5786.28	117.57			109.35	6.90	34.48	33.16	214	2 Peak	HORIZONTAL
5	5852.95	67.62	78.20	-10.58	59.33	6.95	34.51	33.17	214	2 Peak	HORIZONTAL
6	5865.77	66.35	68.20	-1.85	58.04	6.97	34.52	33.18	214	2 Peak	HORIZONTAL

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

Channel 165

	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	5823.40	113.39			105.13	6.92	34.50	33.16	162	1 Peak	HORIZONTAL
2	5824.04	102.07			93.81	6.92	34.50	33.16	162	1 Average	HORIZONTAL
3	5850.00	76.84	78.20	-1.36	68.55	6.95	34.51	33.17	162	1 Peak	HORIZONTAL
4	5860.32	68.63	74.00	-5.37	60.32	6.97	34.52	33.18	162	1 Peak	HORIZONTAL
5	5907.05	50.70	54.00	-3.30	42.35	6.99	34.55	33.19	162	1 Average	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Channel 38

	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	5147.69	70.56	74.00	-3.44	63.66	6.21	33.74	33.05	159	348	Peak	HORIZONTAL
2	5149.62	52.26	54.00	-1.74	45.36	6.21	33.74	33.05	159	348	Average	HORIZONTAL
3	5186.15	110.61			103.63	6.24	33.79	33.05	159	348	Peak	HORIZONTAL
4	5186.47	99.60			92.62	6.24	33.79	33.05	159	348	Average	HORIZONTAL

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

Channel 46

	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	5139.94	66.76	74.00	-7.24	59.90	6.17	33.74	33.05	149	351	Peak	HORIZONTAL
2	5148.91	52.96	54.00	-1.04	46.06	6.21	33.74	33.05	149	351	Average	HORIZONTAL
3	5225.83	103.28			96.16	6.30	33.87	33.05	149	351	Average	HORIZONTAL
4	5227.44	112.73			105.61	6.30	33.87	33.05	149	351	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Channel 54

	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	5265.83	113.47			106.26	6.34	33.93	33.06	151	347 Peak	HORIZONTAL
2	5266.47	103.12			95.91	6.34	33.93	33.06	151	347 Average	HORIZONTAL
3	5351.09	52.80	54.00	-1.20	45.33	6.47	34.06	33.06	151	347 Average	HORIZONTAL
4	5357.18	65.26	74.00	-8.74	57.79	6.47	34.06	33.06	151	347 Peak	HORIZONTAL

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

Channel 62

	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	5304.87	108.40			101.08	6.40	33.98	33.06	164	353 Peak	HORIZONTAL
2	5314.49	98.08			90.73	6.40	34.01	33.06	164	353 Average	HORIZONTAL
3	5350.00	52.97	54.00	-1.03	45.50	6.47	34.06	33.06	164	353 Average	HORIZONTAL
4	5351.03	69.46	74.00	-4.54	61.99	6.47	34.06	33.06	164	353 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Channel 102

	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	5457.12	68.36	74.00	-5.64	60.60	6.60	34.22	33.06	175	352	Peak	HORIZONTAL
2	5459.68	50.77	54.00	-3.23	43.01	6.60	34.22	33.06	175	352	Average	HORIZONTAL
3	5469.62	52.79	54.00	-1.21	45.00	6.60	34.25	33.06	175	352	Average	HORIZONTAL
4	5469.62	72.31	74.00	-1.69	64.52	6.60	34.25	33.06	175	352	Peak	HORIZONTAL
5	5512.89	110.87			102.99	6.65	34.30	33.07	175	352	Peak	HORIZONTAL
6	5514.49	100.46			92.57	6.65	34.31	33.07	175	352	Average	HORIZONTAL

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

Channel 110

	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	5457.05	65.47	74.00	-8.53	57.71	6.60	34.22	33.06	149	361	Peak	HORIZONTAL
2	5458.97	51.94	54.00	-2.06	44.18	6.60	34.22	33.06	149	361	Average	HORIZONTAL
3	5467.63	52.69	54.00	-1.31	44.90	6.60	34.25	33.06	149	361	Average	HORIZONTAL
4	5468.27	69.05	74.00	-4.95	61.26	6.60	34.25	33.06	149	361	Peak	HORIZONTAL
5	5543.59	112.65			104.73	6.68	34.32	33.08	149	361	Peak	HORIZONTAL
6	5545.19	102.80			94.88	6.68	34.32	33.08	149	361	Average	HORIZONTAL

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

Channel 134

	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	5674.49	100.36			92.29	6.79	34.40	33.12	153	2	Average	HORIZONTAL
2	5675.45	111.47			103.40	6.79	34.40	33.12	153	2	Peak	HORIZONTAL
3	5728.65	52.75	54.00	-1.25	44.62	6.83	34.43	33.13	153	2	Average	HORIZONTAL
4	5732.18	70.94	74.00	-3.06	62.79	6.86	34.43	33.14	153	2	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Channel 151

	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	5710.93	66.50	68.20	-1.70	58.38	6.83	34.42	33.13	140	1 Peak	HORIZONTAL
2	5724.55	70.97	78.20	-7.23	62.84	6.83	34.43	33.13	140	1 Peak	HORIZONTAL
3	5741.38	97.28			89.12	6.86	34.44	33.14	140	1 Average	HORIZONTAL
4	5750.99	107.06			98.90	6.86	34.44	33.14	140	1 Peak	HORIZONTAL

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

Channel 159

	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	5701.73	62.60	68.20	-5.60	54.49	6.81	34.42	33.12	209	357 Peak	HORIZONTAL
2	5724.49	64.27	78.20	-13.93	56.14	6.83	34.43	33.13	209	357 Peak	HORIZONTAL
3	5806.22	110.23			102.00	6.90	34.49	33.16	209	357 Peak	HORIZONTAL
4	5809.10	100.00			91.75	6.92	34.49	33.16	209	357 Average	HORIZONTAL
5	5850.00	70.38	78.20	-7.82	62.09	6.95	34.51	33.17	209	357 Peak	HORIZONTAL
6	5862.31	66.83	68.20	-1.37	58.52	6.97	34.52	33.18	209	357 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Channel 42

	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	5142.69	71.97	74.00	-2.03	65.11	6.17	33.74	33.05	155	351	Peak	HORIZONTAL
2	5145.10	52.59	54.00	-1.41	45.69	6.21	33.74	33.05	155	351	Average	HORIZONTAL
3	5201.19	106.29			99.25	6.27	33.82	33.05	155	351	Peak	HORIZONTAL
4	5220.42	96.50			89.40	6.30	33.85	33.05	155	351	Average	HORIZONTAL
5	5351.03	60.13	74.00	-13.87	52.66	6.47	34.06	33.06	155	351	Peak	HORIZONTAL
6	5352.63	48.52	54.00	-5.48	41.05	6.47	34.06	33.06	155	351	Average	HORIZONTAL

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

Channel 58

	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	5138.56	58.94	74.00	-15.06	52.11	6.17	33.71	33.05	153	353	Peak	HORIZONTAL
2	5144.97	47.88	54.00	-6.12	40.98	6.21	33.74	33.05	153	353	Average	HORIZONTAL
3	5280.39	94.45			87.19	6.37	33.95	33.06	153	353	Average	HORIZONTAL
4	5306.03	104.54			97.22	6.40	33.98	33.06	153	353	Peak	HORIZONTAL
5	5350.90	52.67	54.00	-1.33	45.20	6.47	34.06	33.06	153	353	Average	HORIZONTAL
6	5351.70	69.28	74.00	-4.72	61.81	6.47	34.06	33.06	153	353	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 2
Test Date	Jul. 27, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

Channel 106

	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	5458.69	69.01	74.00	-4.99	61.25	6.60	34.22	33.06	150	348	Peak	HORIZONTAL
2	5460.00	52.05	54.00	-1.95	44.29	6.60	34.22	33.06	150	348	Average	HORIZONTAL
3	5463.49	71.97	74.00	-2.03	64.18	6.60	34.25	33.06	150	348	Peak	HORIZONTAL
4	5470.00	52.73	54.00	-1.27	44.94	6.60	34.25	33.06	150	348	Average	HORIZONTAL
5	5516.38	107.55			99.66	6.65	34.31	33.07	150	348	Peak	HORIZONTAL
6	5520.39	97.16			89.27	6.65	34.31	33.07	150	348	Average	HORIZONTAL
7	5728.21	47.89	54.00	-6.11	39.76	6.83	34.43	33.13	150	348	Average	HORIZONTAL
8	5743.14	61.02	74.00	-12.98	52.86	6.86	34.44	33.14	150	348	Peak	HORIZONTAL

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

Channel 122

	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	5448.94	61.84	74.00	-12.16	54.12	6.56	34.22	33.06	147	3	Peak	HORIZONTAL
2	5459.36	50.19	54.00	-3.81	42.43	6.60	34.22	33.06	147	3	Average	HORIZONTAL
3	5464.17	63.44	74.00	-10.56	55.65	6.60	34.25	33.06	147	3	Peak	HORIZONTAL
4	5470.00	50.88	54.00	-3.12	43.09	6.60	34.25	33.06	147	3	Average	HORIZONTAL
5	5618.81	108.74			100.73	6.74	34.37	33.10	147	3	Peak	HORIZONTAL
6	5620.42	98.20			90.19	6.74	34.37	33.10	147	3	Average	HORIZONTAL
7	5726.19	52.93	54.00	-1.07	44.80	6.83	34.43	33.13	147	3	Average	HORIZONTAL
8	5731.80	67.50	74.00	-6.50	59.35	6.86	34.43	33.14	147	3	Peak	HORIZONTAL

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

Channel 155

	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	5710.90	67.13	68.20	-1.07	59.01	6.83	34.42	33.13	206	2	Peak	HORIZONTAL
2	5725.00	69.66	78.20	-8.54	61.53	6.83	34.43	33.13	206	2	Peak	HORIZONTAL
3	5800.64	95.10			86.88	6.90	34.48	33.16	206	2	Average	HORIZONTAL
4	5801.44	105.51			97.29	6.90	34.48	33.16	206	2	Peak	HORIZONTAL
5	5855.13	67.21	78.20	-10.99	58.91	6.95	34.52	33.17	206	2	Peak	HORIZONTAL
6	5863.94	66.24	68.20	-1.96	57.93	6.97	34.52	33.18	206	2	Peak	HORIZONTAL

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

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)		

Channel 144

	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	5718.56	108.37			100.24	6.83	34.43	33.13	152	0	Average	HORIZONTAL
2	5719.04	119.62			111.49	6.83	34.43	33.13	152	0	Peak	HORIZONTAL
3	5854.14	64.76	68.20	-3.44	56.46	6.95	34.52	33.17	152	0	Peak	HORIZONTAL

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

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)		

Channel 142

	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	5705.19	116.11			107.99	6.83	34.42	33.13	142	358	Peak	HORIZONTAL
2	5715.61	105.69			97.57	6.83	34.42	33.13	142	358	Average	HORIZONTAL
3	5853.43	66.81	68.20	-1.39	58.52	6.95	34.51	33.17	142	358	Peak	HORIZONTAL

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

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)		

Channel 138

	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	5676.38	110.25			102.18	6.79	34.40	33.12	147	354	Peak	HORIZONTAL
2	5681.99	100.25			92.16	6.81	34.40	33.12	147	354	Average	HORIZONTAL
3	5874.30	67.12	68.20	-1.08	58.80	6.97	34.53	33.18	147	354	Peak	HORIZONTAL

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

Note:

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 36

	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	5150.00	52.91	54.00	-1.09	46.01	6.21	33.74	33.05	162	341 Average	HORIZONTAL
2	5150.20	70.60	74.00	-3.40	63.70	6.21	33.74	33.05	162	341 Peak	HORIZONTAL
3	5179.20	102.08			95.10	6.24	33.79	33.05	162	341 Average	HORIZONTAL
4	5180.80	113.81			106.83	6.24	33.79	33.05	162	341 Peak	HORIZONTAL

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

Channel 40

	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	5150.00	52.87	54.00	-1.13	45.97	6.21	33.74	33.05	158	337 Average	HORIZONTAL
2	5150.00	69.00	74.00	-5.00	62.10	6.21	33.74	33.05	158	337 Peak	HORIZONTAL
3	5199.20	106.80			99.76	6.27	33.82	33.05	158	337 Average	HORIZONTAL
4	5201.60	118.57			111.53	6.27	33.82	33.05	158	337 Peak	HORIZONTAL

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

Channel 48

	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	5111.80	62.32	74.00	-11.68	55.54	6.14	33.69	33.05	161	334 Peak	HORIZONTAL
2	5118.21	49.17	54.00	-4.83	42.39	6.14	33.69	33.05	161	334 Average	HORIZONTAL
3	5236.80	115.92			108.80	6.30	33.87	33.05	161	334 Peak	HORIZONTAL
4	5237.60	104.15			97.03	6.30	33.87	33.05	161	334 Average	HORIZONTAL
5	5352.40	60.68	74.00	-13.32	53.21	6.47	34.06	33.06	161	334 Peak	HORIZONTAL
6	5356.99	49.00	54.00	-5.00	41.53	6.47	34.06	33.06	161	334 Average	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 52

	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	5138.21	52.70	54.00	-1.30	45.87	6.17	33.71	33.05	149	337	Average	HORIZONTAL
2	5146.80	65.22	74.00	-8.78	58.32	6.21	33.74	33.05	149	337	Peak	HORIZONTAL
3	5259.20	119.52			112.31	6.34	33.93	33.06	149	337	Peak	HORIZONTAL
4	5260.80	108.88			101.67	6.34	33.93	33.06	149	337	Average	HORIZONTAL
5	5372.18	52.12	54.00	-1.88	44.62	6.47	34.09	33.06	149	337	Average	HORIZONTAL
6	5372.98	64.95	74.00	-9.05	57.45	6.47	34.09	33.06	149	337	Peak	HORIZONTAL

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

Channel 60

	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	5299.20	105.67			98.35	6.40	33.98	33.06	167	339	Average	HORIZONTAL
2	5306.41	117.07			109.75	6.40	33.98	33.06	167	339	Peak	HORIZONTAL
3	5350.00	52.78	54.00	-1.22	45.31	6.47	34.06	33.06	167	339	Average	HORIZONTAL
4	5350.80	69.26	74.00	-4.74	61.79	6.47	34.06	33.06	167	339	Peak	HORIZONTAL

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

Channel 64

	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	5318.40	114.62			107.27	6.40	34.01	33.06	162	335	Peak	HORIZONTAL
2	5321.60	102.37			95.02	6.40	34.01	33.06	162	335	Average	HORIZONTAL
3	5350.00	52.71	54.00	-1.29	45.24	6.47	34.06	33.06	162	335	Average	HORIZONTAL
4	5353.65	68.59	74.00	-5.41	61.12	6.47	34.06	33.06	162	335	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 100

	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	5341.35	49.63	54.00	-4.37	42.23	6.43	34.03	33.06	156	339 Average	HORIZONTAL
2	5455.19	64.64	74.00	-9.36	56.88	6.60	34.22	33.06	156	339 Peak	HORIZONTAL
3	5467.60	71.88	74.00	-2.12	64.09	6.60	34.25	33.06	156	339 Peak	HORIZONTAL
4	5470.00	52.74	54.00	-1.26	44.95	6.60	34.25	33.06	156	339 Average	HORIZONTAL
5	5493.59	114.64			106.80	6.63	34.27	33.06	156	339 Peak	HORIZONTAL
6	5498.40	103.18			95.31	6.63	34.30	33.06	156	339 Average	HORIZONTAL

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

Channel 116

	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	5418.94	50.96	54.00	-3.04	43.32	6.53	34.17	33.06	211	351 Average	HORIZONTAL
2	5444.58	64.08	74.00	-9.92	56.39	6.56	34.19	33.06	211	351 Peak	HORIZONTAL
3	5460.80	50.65	54.00	-3.35	42.89	6.60	34.22	33.06	211	351 Average	HORIZONTAL
4	5470.00	66.60	74.00	-7.40	58.81	6.60	34.25	33.06	211	351 Peak	HORIZONTAL
5	5580.80	108.65			100.68	6.72	34.34	33.09	211	351 Average	HORIZONTAL
6	5581.60	120.21			112.23	6.72	34.35	33.09	211	351 Peak	HORIZONTAL
7	5733.81	64.33	74.00	-9.67	56.18	6.86	34.43	33.14	211	351 Peak	HORIZONTAL
8	5738.65	51.43	54.00	-2.57	43.27	6.86	34.44	33.14	211	351 Average	HORIZONTAL

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

Channel 140

	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	5697.60	100.55			92.45	6.81	34.41	33.12	156	348 Average	HORIZONTAL
2	5697.60	112.37			104.27	6.81	34.41	33.12	156	348 Peak	HORIZONTAL
3	5725.00	51.57	54.00	-2.43	43.44	6.83	34.43	33.13	156	348 Average	HORIZONTAL
4	5729.81	72.62	74.00	-1.38	64.49	6.83	34.43	33.13	156	348 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 149

	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	5622.56	51.22	54.00	-2.78	43.21	6.74	34.37	33.10	146	3 Average	HORIZONTAL
2	5714.23	70.34	74.00	-3.66	62.22	6.83	34.42	33.13	146	3 Peak	HORIZONTAL
3	5723.85	76.86	78.20	-1.34	68.73	6.83	34.43	33.13	146	3 Peak	HORIZONTAL
4	5737.95	101.62			93.46	6.86	34.44	33.14	146	3 Average	HORIZONTAL
5	5739.23	113.71			105.55	6.86	34.44	33.14	146	3 Peak	HORIZONTAL

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

Channel 157

	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	5713.40	66.99	68.20	-1.21	58.87	6.83	34.42	33.13	204	353 Peak	HORIZONTAL
2	5725.00	68.04	78.20	-10.16	59.91	6.83	34.43	33.13	204	353 Peak	HORIZONTAL
3	5783.40	117.88			109.67	6.90	34.47	33.16	204	353 Peak	HORIZONTAL
4	5784.20	106.30			98.09	6.90	34.47	33.16	204	353 Average	HORIZONTAL
5	5850.00	70.19	78.20	-8.01	61.90	6.95	34.51	33.17	204	353 Peak	HORIZONTAL
6	5868.01	66.51	68.20	-1.69	58.20	6.97	34.52	33.18	204	353 Peak	HORIZONTAL

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

Channel 165

	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	5822.44	103.63			95.37	6.92	34.50	33.16	142	11 Average	HORIZONTAL
2	5830.13	116.21			107.95	6.92	34.50	33.16	142	11 Peak	HORIZONTAL
3	5850.64	77.13	78.20	-1.07	68.84	6.95	34.51	33.17	142	11 Peak	HORIZONTAL
4	5860.00	52.00	54.00	-2.00	43.69	6.97	34.52	33.18	142	11 Average	HORIZONTAL
5	5863.46	70.56	74.00	-3.44	62.25	6.97	34.52	33.18	142	11 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 38

	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	5150.00	52.35	54.00	-1.65	45.45	6.21	33.74	33.05	153	336 Average	HORIZONTAL
2	5150.00	70.56	74.00	-3.44	63.66	6.21	33.74	33.05	153	336 Peak	HORIZONTAL
3	5194.81	99.17			92.13	6.27	33.82	33.05	153	336 Average	HORIZONTAL
4	5196.41	111.10			104.06	6.27	33.82	33.05	153	336 Peak	HORIZONTAL

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

Channel 46

	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	5144.39	65.86	74.00	-8.14	58.96	6.21	33.74	33.05	154	334 Peak	HORIZONTAL
2	5150.00	52.66	54.00	-1.34	45.76	6.21	33.74	33.05	154	334 Average	HORIZONTAL
3	5224.39	102.41			95.31	6.30	33.85	33.05	154	334 Average	HORIZONTAL
4	5224.39	113.41			106.31	6.30	33.85	33.05	154	334 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5265.19	103.09			95.88	6.34	33.93	33.06	153	334	Average	HORIZONTAL
2	5268.40	114.32			107.11	6.34	33.93	33.06	153	334	Peak	HORIZONTAL
3	5350.80	52.71	54.00	-1.29	45.24	6.47	34.06	33.06	153	334	Average	HORIZONTAL
4	5354.81	65.20	74.00	-8.80	57.73	6.47	34.06	33.06	153	334	Peak	HORIZONTAL

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

Channel 62

	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	5296.38	109.11			101.82	6.37	33.98	33.06	150	335	Peak	HORIZONTAL
2	5314.81	97.43			90.08	6.40	34.01	33.06	150	335	Average	HORIZONTAL
3	5350.00	52.81	54.00	-1.19	45.34	6.47	34.06	33.06	150	335	Average	HORIZONTAL
4	5353.21	69.62	74.00	-4.38	62.15	6.47	34.06	33.06	150	335	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 102

	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	5460.00	49.36	54.00	-4.64	41.60	6.60	34.22	33.06	156	332	Average	HORIZONTAL
2	5460.00	67.85	74.00	-6.15	60.09	6.60	34.22	33.06	156	332	Peak	HORIZONTAL
3	5463.21	72.41	74.00	-1.59	64.62	6.60	34.25	33.06	156	332	Peak	HORIZONTAL
4	5470.00	51.64	54.00	-2.36	43.85	6.60	34.25	33.06	156	332	Average	HORIZONTAL
5	5514.01	111.77			103.88	6.65	34.31	33.07	156	332	Peak	HORIZONTAL
6	5515.61	100.15			92.26	6.65	34.31	33.07	156	332	Average	HORIZONTAL

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

Channel 110

	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	5456.80	66.91	74.00	-7.09	59.15	6.60	34.22	33.06	149	340	Peak	HORIZONTAL
2	5458.40	51.37	54.00	-2.63	43.61	6.60	34.22	33.06	149	340	Average	HORIZONTAL
3	5468.40	52.69	54.00	-1.31	44.90	6.60	34.25	33.06	149	340	Average	HORIZONTAL
4	5470.00	68.00	74.00	-6.00	60.21	6.60	34.25	33.06	149	340	Peak	HORIZONTAL
5	5545.19	102.67			94.75	6.68	34.32	33.08	149	340	Average	HORIZONTAL
6	5546.80	113.87			105.95	6.68	34.32	33.08	149	340	Peak	HORIZONTAL

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

Channel 134

	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	5675.61	99.56			91.49	6.79	34.40	33.12	164	334	Average	HORIZONTAL
2	5675.61	110.93			102.86	6.79	34.40	33.12	164	334	Peak	HORIZONTAL
3	5725.00	52.36	54.00	-1.64	44.23	6.83	34.43	33.13	164	334	Average	HORIZONTAL
4	5725.00	68.84	74.00	-5.16	60.71	6.83	34.43	33.13	164	334	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 151

	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	5711.80	66.96	68.20	-1.24	58.84	6.83	34.42	33.13	162	338 Peak	HORIZONTAL
2	5725.00	69.34	78.20	-8.86	61.21	6.83	34.43	33.13	162	338 Peak	HORIZONTAL
3	5759.81	96.72			88.53	6.88	34.46	33.15	162	338 Average	HORIZONTAL
4	5760.61	108.09			99.90	6.88	34.46	33.15	162	338 Peak	HORIZONTAL

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

Channel 159

	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	5709.42	65.65	74.00	-8.35	57.53	6.83	34.42	33.13	212	345 Peak	HORIZONTAL
2	5712.95	50.49	54.00	-3.51	42.37	6.83	34.42	33.13	212	345 Average	HORIZONTAL
3	5724.04	66.60	78.20	-11.60	58.47	6.83	34.43	33.13	212	345 Peak	HORIZONTAL
4	5807.50	110.21			101.96	6.92	34.49	33.16	212	345 Peak	HORIZONTAL
5	5808.14	99.18			90.93	6.92	34.49	33.16	212	345 Average	HORIZONTAL
6	5851.60	72.55	78.20	-5.65	64.26	6.95	34.51	33.17	212	345 Peak	HORIZONTAL
7	5861.03	52.91	54.00	-1.09	44.60	6.97	34.52	33.18	212	345 Average	HORIZONTAL
8	5861.60	71.72	74.00	-2.28	63.41	6.97	34.52	33.18	212	345 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.69	52.72	54.00	-1.28	45.86	6.17	33.74	33.05	157	331	Average	HORIZONTAL
2	5150.00	71.05	74.00	-2.95	64.15	6.21	33.74	33.05	157	331	Peak	HORIZONTAL
3	5197.18	107.10			100.06	6.27	33.82	33.05	157	331	Peak	HORIZONTAL
4	5200.39	95.88			88.84	6.27	33.82	33.05	157	331	Average	HORIZONTAL

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

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5133.75	57.91	74.00	-16.09	51.08	6.17	33.71	33.05	164	334	Peak	HORIZONTAL
2	5150.00	45.98	54.00	-8.02	39.08	6.21	33.74	33.05	164	334	Average	HORIZONTAL
3	5278.78	93.95			86.69	6.37	33.95	33.06	164	334	Average	HORIZONTAL
4	5280.39	105.61			98.35	6.37	33.95	33.06	164	334	Peak	HORIZONTAL
5	5350.00	52.63	54.00	-1.37	45.16	6.47	34.06	33.06	164	334	Average	HORIZONTAL
6	5350.90	70.35	74.00	-3.65	62.88	6.47	34.06	33.06	164	334	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2
Test Date	Jul. 26, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 106

	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	5458.40	70.17	74.00	-3.83	62.41	6.60	34.22	33.06	158	331	Peak	HORIZONTAL
2	5459.20	51.81	54.00	-2.19	44.05	6.60	34.22	33.06	158	331	Average	HORIZONTAL
3	5468.30	52.98	54.00	-1.02	45.19	6.60	34.25	33.06	158	331	Average	HORIZONTAL
4	5469.20	71.36	74.00	-2.64	63.57	6.60	34.25	33.06	158	331	Peak	HORIZONTAL
5	5516.38	107.40			99.51	6.65	34.31	33.07	158	331	Peak	HORIZONTAL
6	5518.78	96.27			88.38	6.65	34.31	33.07	158	331	Average	HORIZONTAL
7	5725.00	46.59	54.00	-7.41	38.46	6.83	34.43	33.13	158	331	Average	HORIZONTAL
8	5745.03	59.54	74.00	-14.46	51.38	6.86	34.44	33.14	158	331	Peak	HORIZONTAL

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

Channel 122

	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	5455.19	63.05	74.00	-10.95	55.29	6.60	34.22	33.06	168	334	Peak	HORIZONTAL
2	5459.20	50.00	54.00	-4.00	42.24	6.60	34.22	33.06	168	334	Average	HORIZONTAL
3	5467.60	63.20	74.00	-10.80	55.41	6.60	34.25	33.06	168	334	Peak	HORIZONTAL
4	5469.20	50.46	54.00	-3.54	42.67	6.60	34.25	33.06	168	334	Average	HORIZONTAL
5	5617.21	108.68			100.67	6.74	34.37	33.10	168	334	Peak	HORIZONTAL
6	5620.42	97.71			89.70	6.74	34.37	33.10	168	334	Average	HORIZONTAL
7	5725.80	52.97	54.00	-1.03	44.84	6.83	34.43	33.13	168	334	Average	HORIZONTAL
8	5725.80	66.83	74.00	-7.17	58.70	6.83	34.43	33.13	168	334	Peak	HORIZONTAL

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

Channel 155

	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	5702.18	66.68	68.20	-1.52	58.57	6.81	34.42	33.12	211	341	Peak	HORIZONTAL
2	5716.51	69.82	78.20	-8.38	61.70	6.83	34.42	33.13	211	341	Peak	HORIZONTAL
3	5783.81	94.13			85.92	6.90	34.47	33.16	211	341	Average	HORIZONTAL
4	5803.05	105.49			97.26	6.90	34.49	33.16	211	341	Peak	HORIZONTAL
5	5850.00	66.47	78.20	-11.73	58.18	6.95	34.51	33.17	211	341	Peak	HORIZONTAL
6	5861.60	64.66	68.20	-3.54	56.35	6.97	34.52	33.18	211	341	Peak	HORIZONTAL

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

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)		

Channel 144

	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	5712.79	120.48			112.36	6.83	34.42	33.13	150	344	Peak	HORIZONTAL
2	5717.28	109.67			101.55	6.83	34.42	33.13	150	344	Average	HORIZONTAL
3	5858.01	65.12	68.20	-3.08	56.81	6.97	34.52	33.18	150	344	Peak	HORIZONTAL

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

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)		

Channel 142

	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	5705.19	116.14			108.02	6.83	34.42	33.13	165	338	Peak	HORIZONTAL
2	5714.81	104.99			96.87	6.83	34.42	33.13	165	338	Average	HORIZONTAL
3	5856.64	66.71	68.20	-1.49	58.41	6.95	34.52	33.17	165	338	Peak	HORIZONTAL

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

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)		

Channel 138

	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	5680.39	99.80			91.71	6.81	34.40	33.12	157	343	Average	HORIZONTAL
2	5680.39	111.33			103.24	6.81	34.40	33.12	157	343	Peak	HORIZONTAL
3	5850.80	66.81	68.20	-1.39	58.52	6.95	34.51	33.17	157	343	Peak	HORIZONTAL

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

Note:

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	cm	deg	
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	5149.20	71.86	74.00	-2.14	64.96	6.21	33.74	33.05	225	349 Peak	VERTICAL
2	5149.80	52.94	54.00	-1.06	46.04	6.21	33.74	33.05	225	349 Average	VERTICAL
3	5178.60	115.41			108.43	6.24	33.79	33.05	225	349 Peak	VERTICAL
4	5179.00	105.24			98.26	6.24	33.79	33.05	225	349 Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	cm	deg	
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	5118.40	52.91	54.00	-1.09	46.10	6.17	33.69	33.05	223	349 Average	VERTICAL
2	5150.00	66.06	74.00	-7.94	59.16	6.21	33.74	33.05	223	349 Peak	VERTICAL
3	5199.20	108.38			101.34	6.27	33.82	33.05	223	349 Average	VERTICAL
4	5199.20	118.79			111.75	6.27	33.82	33.05	223	349 Peak	VERTICAL
5	5359.20	51.43	54.00	-2.57	43.96	6.47	34.06	33.06	223	349 Average	VERTICAL
6	5364.00	62.81	74.00	-11.19	55.31	6.47	34.09	33.06	223	349 Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	cm	deg	
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	5112.80	64.28	74.00	-9.72	57.50	6.14	33.69	33.05	228	346 Peak	VERTICAL
2	5118.40	52.19	54.00	-1.81	45.38	6.17	33.69	33.05	228	346 Average	VERTICAL
3	5238.40	109.32			102.20	6.30	33.87	33.05	228	346 Average	VERTICAL
4	5244.00	119.63			112.48	6.30	33.90	33.05	228	346 Peak	VERTICAL
5	5358.40	65.04	74.00	-8.96	57.57	6.47	34.06	33.06	228	346 Peak	VERTICAL
6	5359.20	52.81	54.00	-1.19	45.34	6.47	34.06	33.06	228	346 Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 52

	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	5138.40	52.27	54.00	-1.73	45.44	6.17	33.71	33.05	218	344	Average	VERTICAL
2	5142.40	64.41	74.00	-9.59	57.55	6.17	33.74	33.05	218	344	Peak	VERTICAL
3	5258.40	109.32			102.14	6.34	33.90	33.06	218	344	Average	VERTICAL
4	5258.40	119.37			112.19	6.34	33.90	33.06	218	344	Peak	VERTICAL
5	5378.40	64.31	74.00	-9.69	56.76	6.50	34.11	33.06	218	344	Peak	VERTICAL
6	5379.20	52.75	54.00	-1.25	45.20	6.50	34.11	33.06	218	344	Average	VERTICAL

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

Channel 60

	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	5138.40	49.58	54.00	-4.42	42.75	6.17	33.71	33.05	226	348	Average	VERTICAL
2	5143.20	60.74	74.00	-13.26	53.88	6.17	33.74	33.05	226	348	Peak	VERTICAL
3	5299.20	106.70			99.38	6.40	33.98	33.06	226	348	Average	VERTICAL
4	5299.20	116.67			109.35	6.40	33.98	33.06	226	348	Peak	VERTICAL
5	5379.20	52.71	54.00	-1.29	45.16	6.50	34.11	33.06	226	348	Average	VERTICAL
6	5383.60	64.31	74.00	-9.69	56.76	6.50	34.11	33.06	226	348	Peak	VERTICAL

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

Channel 64

	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	5318.80	105.91			98.56	6.40	34.01	33.06	217	348	Average	VERTICAL
2	5319.20	116.05			108.70	6.40	34.01	33.06	217	348	Peak	VERTICAL
3	5350.00	52.80	54.00	-1.20	45.33	6.47	34.06	33.06	217	348	Average	VERTICAL
4	5350.00	67.99	74.00	-6.01	60.52	6.47	34.06	33.06	217	348	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.80	65.84	74.00	-8.16	58.08	6.60	34.22	33.06	226	349	Peak	VERTICAL
2	5459.20	49.82	54.00	-4.18	42.06	6.60	34.22	33.06	226	349	Average	VERTICAL
3	5468.80	71.98	74.00	-2.02	64.19	6.60	34.25	33.06	226	349	Peak	VERTICAL
4	5469.40	52.76	54.00	-1.24	44.97	6.60	34.25	33.06	226	349	Average	VERTICAL
5	5498.80	116.54			108.67	6.63	34.30	33.06	226	349	Peak	VERTICAL
6	5499.00	105.93			98.06	6.63	34.30	33.06	226	349	Average	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.00	63.45	74.00	-10.55	55.69	6.60	34.22	33.06	220	339	Peak	VERTICAL
2	5460.00	52.92	54.00	-1.08	45.16	6.60	34.22	33.06	220	339	Average	VERTICAL
3	5460.80	65.33	68.20	-2.87	57.57	6.60	34.22	33.06	220	339	Peak	VERTICAL
4	5581.60	107.21			99.23	6.72	34.35	33.09	220	339	Average	VERTICAL
5	5581.60	117.80			109.82	6.72	34.35	33.09	220	339	Peak	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5698.00	98.83			90.73	6.81	34.41	33.12	148	358	Average	HORIZONTAL
2	5698.00	111.81			103.71	6.81	34.41	33.12	148	358	Peak	HORIZONTAL
3	5725.00	51.18	54.00	-2.82	43.05	6.83	34.43	33.13	148	358	Average	HORIZONTAL
4	5730.20	72.88	74.00	-1.12	64.75	6.83	34.43	33.13	148	358	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 19, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 149

	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	5715.00	67.12	68.20	-1.08	59.00	6.83	34.42	33.13	220	349 Peak	VERTICAL
2	5723.40	75.16	78.20	-3.04	67.03	6.83	34.43	33.13	220	349 Peak	VERTICAL
3	5744.20	101.45			93.29	6.86	34.44	33.14	220	349 Average	VERTICAL
4	5744.60	112.31			104.15	6.86	34.44	33.14	220	349 Peak	VERTICAL

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

Channel 157

	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	5703.40	65.77	68.20	-2.43	57.66	6.81	34.42	33.12	218	349 Peak	VERTICAL
2	5725.00	67.59	78.20	-10.61	59.46	6.83	34.43	33.13	218	349 Peak	VERTICAL
3	5779.40	118.36			110.16	6.88	34.47	33.15	218	349 Peak	VERTICAL
4	5784.20	107.59			99.38	6.90	34.47	33.16	218	349 Average	VERTICAL
5	5855.40	70.60	78.20	-7.60	62.30	6.95	34.52	33.17	218	349 Peak	VERTICAL
6	5860.00	67.18	68.20	-1.02	58.87	6.97	34.52	33.18	218	349 Peak	VERTICAL

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

Channel 165

	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	5822.76	114.01			105.75	6.92	34.50	33.16	225	337 Peak	VERTICAL
2	5827.56	103.44			95.18	6.92	34.50	33.16	225	337 Average	VERTICAL
3	5852.56	77.07	78.20	-1.13	68.78	6.95	34.51	33.17	225	337 Peak	VERTICAL
4	5862.24	72.10	74.00	-1.90	63.79	6.97	34.52	33.18	225	337 Peak	VERTICAL
5	5907.69	51.97	54.00	-2.03	43.62	6.99	34.55	33.19	225	337 Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 20, 2015 ~ Jul. 21, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 38

	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	5149.20	67.51	74.00	-6.49	60.61	6.21	33.74	33.05	224	354	Peak	VERTICAL
2	5150.00	52.76	54.00	-1.24	45.86	6.21	33.74	33.05	224	354	Average	VERTICAL
3	5193.20	101.72			94.71	6.24	33.82	33.05	224	354	Average	VERTICAL
4	5193.20	110.85			103.84	6.24	33.82	33.05	224	354	Peak	VERTICAL

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

Channel 46

	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	5143.00	64.04	74.00	-9.96	57.18	6.17	33.74	33.05	219	358	Peak	VERTICAL
2	5148.00	52.61	54.00	-1.39	45.71	6.21	33.74	33.05	219	358	Average	VERTICAL
3	5233.00	105.31			98.19	6.30	33.87	33.05	219	358	Average	VERTICAL
4	5233.00	114.74			107.62	6.30	33.87	33.05	219	358	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 21, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 54

	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	5263.00	105.35			98.14	6.34	33.93	33.06	207	356 Average	VERTICAL
2	5263.00	114.87			107.66	6.34	33.93	33.06	207	356 Peak	VERTICAL
3	5353.00	52.71	54.00	-1.29	45.24	6.47	34.06	33.06	207	356 Average	VERTICAL
4	5359.00	65.63	74.00	-8.37	58.16	6.47	34.06	33.06	207	356 Peak	VERTICAL

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

Channel 62

	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	5305.00	109.35			102.03	6.40	33.98	33.06	216	347 Peak	VERTICAL
2	5306.00	99.35			92.03	6.40	33.98	33.06	216	347 Average	VERTICAL
3	5350.00	52.73	54.00	-1.27	45.26	6.47	34.06	33.06	216	347 Average	VERTICAL
4	5350.00	64.98	74.00	-9.02	57.51	6.47	34.06	33.06	216	347 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 21, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 102

	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	5439.00	61.15	74.00	-12.85	53.46	6.56	34.19	33.06	217	357 Peak	VERTICAL
2	5458.00	50.41	54.00	-3.59	42.65	6.60	34.22	33.06	217	357 Average	VERTICAL
3	5466.00	67.85	74.00	-6.15	60.06	6.60	34.25	33.06	217	357 Peak	VERTICAL
4	5469.00	52.93	54.00	-1.07	45.14	6.60	34.25	33.06	217	357 Average	VERTICAL
5	5513.00	101.22			93.34	6.65	34.30	33.07	217	357 Average	VERTICAL
6	5513.00	111.19			103.31	6.65	34.30	33.07	217	357 Peak	VERTICAL

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

Channel 110

	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	5452.00	63.13	74.00	-10.87	55.37	6.60	34.22	33.06	218	359 Peak	VERTICAL
2	5458.00	52.13	54.00	-1.87	44.37	6.60	34.22	33.06	218	359 Average	VERTICAL
3	5463.00	52.96	54.00	-1.04	45.17	6.60	34.25	33.06	218	359 Average	VERTICAL
4	5463.00	67.60	74.00	-6.40	59.81	6.60	34.25	33.06	218	359 Peak	VERTICAL
5	5553.00	104.66			96.71	6.70	34.33	33.08	218	359 Average	VERTICAL
6	5553.00	114.02			106.07	6.70	34.33	33.08	218	359 Peak	VERTICAL

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

Channel 134

	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	5673.00	99.55			91.48	6.79	34.40	33.12	136	16 Average	HORIZONTAL
2	5674.00	110.71			102.64	6.79	34.40	33.12	136	16 Peak	HORIZONTAL
3	5726.00	69.62	74.00	-4.38	61.49	6.83	34.43	33.13	136	16 Peak	HORIZONTAL
4	5732.00	52.90	54.00	-1.10	44.75	6.86	34.43	33.14	136	16 Average	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 21, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 151

	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	5706.35	70.31	74.00	-3.69	62.19	6.83	34.42	33.13	176	11	Peak	HORIZONTAL
2	5715.00	52.85	54.00	-1.15	44.73	6.83	34.42	33.13	176	11	Average	HORIZONTAL
3	5716.60	71.81	78.20	-6.39	63.69	6.83	34.42	33.13	176	11	Peak	HORIZONTAL
4	5742.18	98.03			89.87	6.86	34.44	33.14	176	11	Average	HORIZONTAL
5	5742.50	109.36			101.20	6.86	34.44	33.14	176	11	Peak	HORIZONTAL

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

Channel 159

	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	5698.00	62.31	68.20	-5.89	54.21	6.81	34.41	33.12	223	360	Peak	VERTICAL
2	5724.00	64.56	78.20	-13.64	56.43	6.83	34.43	33.13	223	360	Peak	VERTICAL
3	5799.00	102.12			93.90	6.90	34.48	33.16	223	360	Average	VERTICAL
4	5799.00	111.75			103.53	6.90	34.48	33.16	223	360	Peak	VERTICAL
5	5854.00	70.62	78.20	-7.58	62.32	6.95	34.52	33.17	223	360	Peak	VERTICAL
6	5873.00	66.84	68.20	-1.36	58.52	6.97	34.53	33.18	223	360	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015 ~ Aug. 03, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 42

	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	5149.00	52.82	54.00	-1.18	48.48	5.51	33.17	34.34	146	5 VERTICAL	Average
2	5150.00	63.26	74.00	-10.74	58.92	5.51	33.17	34.34	146	5 VERTICAL	Peak
3	5200.00	96.94			92.50	5.53	33.25	34.34	146	5 VERTICAL	Average
4	5219.00	106.06			101.55	5.54	33.31	34.34	146	5 VERTICAL	Peak
5	5351.00	48.77	54.00	-5.23	43.97	5.59	33.53	34.32	146	5 VERTICAL	Average
6	5360.00	60.67	74.00	-13.33	55.85	5.59	33.55	34.32	146	5 VERTICAL	Peak

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

Channel 58

	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	5144.39	58.74	74.00	-15.26	51.84	6.21	33.74	33.05	205	1 Peak	VERTICAL
2	5150.00	47.54	54.00	-6.46	40.64	6.21	33.74	33.05	205	1 Average	VERTICAL
3	5299.62	95.67			88.35	6.40	33.98	33.06	205	1 Average	VERTICAL
4	5299.62	105.61			98.29	6.40	33.98	33.06	205	1 Peak	VERTICAL
5	5350.00	52.99	54.00	-1.01	45.52	6.47	34.06	33.06	205	1 Average	VERTICAL
6	5350.00	63.86	74.00	-10.14	56.39	6.47	34.06	33.06	205	1 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 23, 2015 ~ Aug. 03, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5458.40	52.16	54.00	-1.84	44.40	6.60	34.22	33.06	216	360	Average	VERTICAL
2	5460.00	66.69	74.00	-7.31	58.93	6.60	34.22	33.06	216	360	Peak	VERTICAL
3	5469.20	66.78	68.20	-1.42	58.99	6.60	34.25	33.06	216	360	Peak	VERTICAL
4	5538.01	108.04			100.12	6.68	34.32	33.08	216	360	Peak	VERTICAL
5	5538.81	97.84			89.92	6.68	34.32	33.08	216	360	Average	VERTICAL
6	5747.95	60.55	68.20	-7.65	52.39	6.86	34.44	33.14	216	360	Peak	VERTICAL

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

Channel 122

	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	5454.00	63.83	74.00	-10.17	58.79	5.63	33.72	34.31	148	2	HORIZONTAL Peak
2	5459.00	50.98	54.00	-3.02	45.94	5.63	33.72	34.31	148	2	HORIZONTAL Average
3	5464.00	51.59	54.00	-2.41	46.52	5.63	33.75	34.31	148	2	HORIZONTAL Average
4	5466.00	65.48	74.00	-8.52	60.41	5.63	33.75	34.31	148	2	HORIZONTAL Peak
5	5595.00	110.06			104.57	5.72	34.10	34.33	148	2	HORIZONTAL Peak
6	5601.00	98.86			93.35	5.74	34.10	34.33	148	2	HORIZONTAL Average
7	5726.00	52.96	54.00	-1.04	46.97	5.85	34.50	34.36	148	2	HORIZONTAL Average
8	5731.00	67.60	74.00	-6.40	61.59	5.87	34.50	34.36	148	2	HORIZONTAL Peak

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

Channel 155

	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	5703.00	67.04	68.20	-1.16	61.16	5.83	34.40	34.35	217	2	VERTICAL Peak
2	5718.00	68.90	78.20	-9.30	62.96	5.85	34.45	34.36	217	2	VERTICAL Peak
3	5780.00	106.89			100.71	5.90	34.65	34.37	217	2	VERTICAL Peak
4	5784.00	97.16			90.97	5.92	34.65	34.38	217	2	VERTICAL Average
5	5850.00	65.58	78.20	-12.62	59.17	5.95	34.85	34.39	217	2	VERTICAL Peak
6	5870.00	65.36	68.20	-2.84	58.88	5.97	34.90	34.39	217	2	VERTICAL Peak

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

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. 19, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 144

	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	5719.20	112.54			106.60	5.85	34.45	34.36	100	360	VERTICAL Average
2	5719.20	122.13			116.19	5.85	34.45	34.36	100	360	VERTICAL Peak
3	5878.80	66.68	68.20	-1.52	60.16	5.97	34.95	34.40	100	360	VERTICAL Peak

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

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. 21, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

Channel 142

	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	5704.00	108.21			100.10	6.81	34.42	33.12	215	360 Average	VERTICAL
2	5704.00	118.00			109.89	6.81	34.42	33.12	215	360 Peak	VERTICAL
3	5855.00	66.85	68.20	-1.35	58.55	6.95	34.52	33.17	215	360 Peak	VERTICAL

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

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)		

Channel 138

	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	5661.00	110.67			104.93	5.79	34.30	34.35	214	9	HORIZONTAL	Peak
2	5681.00	100.61			94.80	5.81	34.35	34.35	214	9	HORIZONTAL	Average
3	5852.00	66.60	68.20	-1.60	60.19	5.95	34.85	34.39	214	9	HORIZONTAL	Peak

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

Note:

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 36

	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	5149.23	72.68	74.00	-1.32	65.78	6.21	33.74	33.05	230	345 Peak	VERTICAL
2	5150.00	52.99	54.00	-1.01	46.09	6.21	33.74	33.05	230	345 Average	VERTICAL
3	5181.60	97.70			90.72	6.24	33.79	33.05	230	345 Average	VERTICAL
4	5181.76	108.65			101.67	6.24	33.79	33.05	230	345 Peak	VERTICAL

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

Channel 40

	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	5148.08	68.37	74.00	-5.63	61.47	6.21	33.74	33.05	211	343 Peak	VERTICAL
2	5150.00	52.39	54.00	-1.61	45.49	6.21	33.74	33.05	211	343 Average	VERTICAL
3	5198.40	113.53			106.49	6.27	33.82	33.05	211	343 Peak	VERTICAL
4	5199.04	102.69			95.65	6.27	33.82	33.05	211	343 Average	VERTICAL

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

Channel 48

	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	5115.96	58.78	74.00	-15.22	52.00	6.14	33.69	33.05	204	223 Peak	VERTICAL
2	5117.89	46.08	54.00	-7.92	39.30	6.14	33.69	33.05	204	223 Average	VERTICAL
3	5238.08	109.93			102.81	6.30	33.87	33.05	204	223 Peak	VERTICAL
4	5238.56	98.63			91.51	6.30	33.87	33.05	204	223 Average	VERTICAL
5	5362.12	46.97	54.00	-7.03	39.47	6.47	34.09	33.06	204	223 Average	VERTICAL
6	5363.08	59.17	74.00	-14.83	51.67	6.47	34.09	33.06	204	223 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 52

	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	5140.77	48.91	54.00	-5.09	42.05	6.17	33.74	33.05	193	341	Average	VERTICAL
2	5146.54	61.62	74.00	-12.38	54.72	6.21	33.74	33.05	193	341	Peak	VERTICAL
3	5258.56	101.96			94.75	6.34	33.93	33.06	193	341	Average	VERTICAL
4	5259.04	114.13			106.92	6.34	33.93	33.06	193	341	Peak	VERTICAL
5	5350.00	46.28	54.00	-7.72	38.81	6.47	34.06	33.06	193	341	Average	VERTICAL
6	5367.21	59.57	74.00	-14.43	52.07	6.47	34.09	33.06	193	341	Peak	VERTICAL

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

Channel 60

	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	5298.40	99.10			91.78	6.40	33.98	33.06	154	317	Average	VERTICAL
2	5301.28	110.25			102.93	6.40	33.98	33.06	154	317	Peak	VERTICAL
3	5350.00	50.42	54.00	-3.58	42.95	6.47	34.06	33.06	154	317	Average	VERTICAL
4	5353.53	63.41	74.00	-10.59	55.94	6.47	34.06	33.06	154	317	Peak	VERTICAL

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

Channel 64

	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	5321.28	101.95			94.60	6.40	34.01	33.06	148	340	Average	VERTICAL
2	5321.92	113.14			105.79	6.40	34.01	33.06	148	340	Peak	VERTICAL
3	5350.00	52.65	54.00	-1.35	45.18	6.47	34.06	33.06	148	340	Average	VERTICAL
4	5352.05	67.92	74.00	-6.08	60.45	6.47	34.06	33.06	148	340	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 100

	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	5459.62	64.22	74.00	-9.78	56.46	6.60	34.22	33.06	171	337	Peak	VERTICAL
2	5460.00	48.57	54.00	-5.43	40.81	6.60	34.22	33.06	171	337	Average	VERTICAL
3	5469.23	72.99	74.00	-1.01	65.20	6.60	34.25	33.06	171	337	Peak	VERTICAL
4	5470.00	52.94	54.00	-1.06	45.15	6.60	34.25	33.06	171	337	Average	VERTICAL
5	5501.28	99.42			91.54	6.65	34.30	33.07	171	337	Average	VERTICAL
6	5501.92	110.63			102.75	6.65	34.30	33.07	171	337	Peak	VERTICAL

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

Channel 116

	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	5458.37	47.52	54.00	-6.48	39.76	6.60	34.22	33.06	203	336	Average	VERTICAL
2	5458.37	59.53	74.00	-14.47	51.77	6.60	34.22	33.06	203	336	Peak	VERTICAL
3	5464.62	60.90	74.00	-13.10	53.11	6.60	34.25	33.06	203	336	Peak	VERTICAL
4	5467.50	47.89	54.00	-6.11	40.10	6.60	34.25	33.06	203	336	Average	VERTICAL
5	5585.77	113.98			106.00	6.72	34.35	33.09	203	336	Peak	VERTICAL
6	5587.69	102.96			94.98	6.72	34.35	33.09	203	336	Average	VERTICAL
7	5725.00	61.06	74.00	-12.94	52.93	6.83	34.43	33.13	203	336	Peak	VERTICAL
8	5725.67	46.69	54.00	-7.31	38.56	6.83	34.43	33.13	203	336	Average	VERTICAL

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

Channel 140

	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	5701.28	97.92			89.81	6.81	34.42	33.12	226	330	Average	VERTICAL
2	5701.60	109.02			100.91	6.81	34.42	33.12	226	330	Peak	VERTICAL
3	5725.00	52.98	54.00	-1.02	44.85	6.83	34.43	33.13	226	330	Average	VERTICAL
4	5725.00	71.49	74.00	-2.51	63.36	6.83	34.43	33.13	226	330	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.40	69.75	74.00	-4.25	61.63	6.83	34.42	33.13	198	311	Peak	VERTICAL
2	5715.00	50.04	54.00	-3.96	41.92	6.83	34.42	33.13	198	311	Average	VERTICAL
3	5724.80	76.93	78.20	-1.27	68.80	6.83	34.43	33.13	198	311	Peak	VERTICAL
4	5752.20	106.08			97.90	6.86	34.46	33.14	198	311	Peak	VERTICAL
5	5753.00	95.05			86.87	6.86	34.46	33.14	198	311	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.02	63.32	68.20	-4.88	55.22	6.81	34.41	33.12	206	330	Peak	VERTICAL
2	5716.25	62.02	78.20	-16.18	53.90	6.83	34.42	33.13	206	330	Peak	VERTICAL
3	5777.31	100.27			92.07	6.88	34.47	33.15	206	330	Average	VERTICAL
4	5780.67	111.52			103.32	6.88	34.47	33.15	206	330	Peak	VERTICAL
5	5851.44	62.61	78.20	-15.59	54.32	6.95	34.51	33.17	206	330	Peak	VERTICAL
6	5861.44	64.00	68.20	-4.20	55.69	6.97	34.52	33.18	206	330	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5823.80	97.24			88.98	6.92	34.50	33.16	264	226	Average	VERTICAL
2	5824.00	108.92			100.66	6.92	34.50	33.16	264	226	Peak	VERTICAL
3	5850.00	74.76	78.20	-3.44	66.47	6.95	34.51	33.17	264	226	Peak	VERTICAL
4	5860.00	52.55	54.00	-1.45	44.24	6.97	34.52	33.18	264	226	Average	VERTICAL
5	5861.00	70.74	74.00	-3.26	62.43	6.97	34.52	33.18	264	226	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 38

	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	5147.37	68.16	74.00	-5.84	61.26	6.21	33.74	33.05	135	345 Peak	VERTICAL
2	5150.00	52.88	54.00	-1.12	45.98	6.21	33.74	33.05	135	345 Average	VERTICAL
3	5193.85	107.03			100.02	6.24	33.82	33.05	135	345 Peak	VERTICAL
4	5194.81	96.89			89.85	6.27	33.82	33.05	135	345 Average	VERTICAL

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

Channel 46

	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	5143.46	67.00	74.00	-7.00	60.14	6.17	33.74	33.05	157	344 Peak	VERTICAL
2	5148.27	52.74	54.00	-1.26	45.84	6.21	33.74	33.05	157	344 Average	VERTICAL
3	5233.21	112.87			105.75	6.30	33.87	33.05	157	344 Peak	VERTICAL
4	5233.85	102.08			94.96	6.30	33.87	33.05	157	344 Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 54

	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	5274.49	101.39			94.15	6.37	33.93	33.06	139	339 Average	VERTICAL
2	5279.62	112.03			104.77	6.37	33.95	33.06	139	339 Peak	VERTICAL
3	5351.09	66.20	74.00	-7.80	58.73	6.47	34.06	33.06	139	339 Peak	VERTICAL
4	5351.41	52.84	54.00	-1.16	45.37	6.47	34.06	33.06	139	339 Average	VERTICAL

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

Channel 62

	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	5305.19	96.48			89.16	6.40	33.98	33.06	129	342 Average	VERTICAL
2	5306.80	106.71			99.39	6.40	33.98	33.06	129	342 Peak	VERTICAL
3	5350.71	52.71	54.00	-1.29	45.24	6.47	34.06	33.06	129	342 Average	VERTICAL
4	5352.31	72.56	74.00	-1.44	65.09	6.47	34.06	33.06	129	342 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 102

	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	5457.76	64.60	74.00	-9.40	56.84	6.60	34.22	33.06	202	339	Peak	VERTICAL
2	5460.00	49.81	54.00	-4.19	42.05	6.60	34.22	33.06	202	339	Average	VERTICAL
3	5466.41	69.61	74.00	-4.39	61.82	6.60	34.25	33.06	202	339	Peak	VERTICAL
4	5469.62	52.97	54.00	-1.03	45.18	6.60	34.25	33.06	202	339	Average	VERTICAL
5	5514.81	105.30			97.41	6.65	34.31	33.07	202	339	Peak	VERTICAL
6	5515.45	95.52			87.63	6.65	34.31	33.07	202	339	Average	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5456.73	63.91	74.00	-10.09	56.15	6.60	34.22	33.06	145	332	Peak	VERTICAL
2	5459.62	50.67	54.00	-3.33	42.91	6.60	34.22	33.06	145	332	Average	VERTICAL
3	5468.91	52.81	54.00	-1.19	45.02	6.60	34.25	33.06	145	332	Average	VERTICAL
4	5469.23	67.85	74.00	-6.15	60.06	6.60	34.25	33.06	145	332	Peak	VERTICAL
5	5555.13	100.53			92.58	6.70	34.33	33.08	145	332	Average	VERTICAL
6	5556.41	111.34			103.39	6.70	34.33	33.08	145	332	Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5673.21	95.89			87.82	6.79	34.40	33.12	231	335	Average	VERTICAL
2	5673.53	105.67			97.60	6.79	34.40	33.12	231	335	Peak	VERTICAL
3	5725.00	52.96	54.00	-1.04	44.83	6.83	34.43	33.13	231	335	Average	VERTICAL
4	5726.09	67.37	74.00	-6.63	59.24	6.83	34.43	33.13	231	335	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 151

	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	5713.40	69.54	74.00	-4.46	61.42	6.83	34.42	33.13	201	313	Peak	VERTICAL
2	5714.60	52.71	54.00	-1.29	44.59	6.83	34.42	33.13	201	313	Average	VERTICAL
3	5724.20	74.44	78.20	-3.76	66.31	6.83	34.43	33.13	201	313	Peak	VERTICAL
4	5760.20	94.19			86.00	6.88	34.46	33.15	201	313	Average	VERTICAL
5	5769.40	104.38			96.18	6.88	34.47	33.15	201	313	Peak	VERTICAL

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

Channel 159

	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	5708.94	65.48	68.20	-2.72	57.36	6.83	34.42	33.13	147	293	Peak	VERTICAL
2	5718.27	64.73	78.20	-13.47	56.60	6.83	34.43	33.13	147	293	Peak	VERTICAL
3	5806.06	106.95			98.72	6.90	34.49	33.16	147	293	Peak	VERTICAL
4	5807.98	97.00			88.75	6.92	34.49	33.16	147	293	Average	VERTICAL
5	5851.73	70.69	78.20	-7.51	62.40	6.95	34.51	33.17	147	293	Peak	VERTICAL
6	5870.96	66.90	68.20	-1.30	58.58	6.97	34.53	33.18	147	293	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 42

	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	5147.50	64.99	74.00	-9.01	58.09	6.21	33.74	33.05	148	343	Peak	VERTICAL
2	5150.00	52.74	54.00	-1.26	45.84	6.21	33.74	33.05	148	343	Average	VERTICAL
3	5234.04	103.16			96.04	6.30	33.87	33.05	148	343	Peak	VERTICAL
4	5237.24	93.50			86.38	6.30	33.87	33.05	148	343	Average	VERTICAL
5	5353.43	47.82	54.00	-6.18	40.35	6.47	34.06	33.06	148	343	Average	VERTICAL
6	5387.08	59.80	74.00	-14.20	52.25	6.50	34.11	33.06	148	343	Peak	VERTICAL

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

Channel 58

	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	5141.76	59.32	74.00	-14.68	52.46	6.17	33.74	33.05	154	340	Peak	VERTICAL
2	5145.77	47.64	54.00	-6.36	40.74	6.21	33.74	33.05	154	340	Average	VERTICAL
3	5282.79	93.56			86.30	6.37	33.95	33.06	154	340	Average	VERTICAL
4	5282.79	103.65			96.39	6.37	33.95	33.06	154	340	Peak	VERTICAL
5	5350.00	70.31	74.00	-3.69	62.84	6.47	34.06	33.06	154	340	Peak	VERTICAL
6	5351.70	52.61	54.00	-1.39	45.14	6.47	34.06	33.06	154	340	Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1
Test Date	Jul. 29, 2015 ~ Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 106

	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	5460.00	52.20	54.00	-1.80	44.44	6.60	34.22	33.06	152	336	Average	VERTICAL
2	5460.00	65.46	74.00	-8.54	57.70	6.60	34.22	33.06	152	336	Peak	VERTICAL
3	5465.10	68.65	74.00	-5.35	60.86	6.60	34.25	33.06	152	336	Peak	VERTICAL
4	5468.30	52.82	54.00	-1.18	45.03	6.60	34.25	33.06	152	336	Average	VERTICAL
5	5521.19	103.92			96.03	6.65	34.31	33.07	152	336	Peak	VERTICAL
6	5558.05	93.34			85.39	6.70	34.33	33.08	152	336	Average	VERTICAL
7	5731.41	59.41	74.00	-14.59	51.26	6.86	34.43	33.14	152	336	Peak	VERTICAL
8	5740.74	48.15	54.00	-5.85	39.99	6.86	34.44	33.14	152	336	Average	VERTICAL

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

Channel 122

	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	5456.96	62.51	74.00	-11.49	54.75	6.60	34.22	33.06	202	335	Peak	VERTICAL
2	5457.76	49.88	54.00	-4.12	42.12	6.60	34.22	33.06	202	335	Average	VERTICAL
3	5464.17	63.65	74.00	-10.35	55.86	6.60	34.25	33.06	202	335	Peak	VERTICAL
4	5470.00	51.38	54.00	-2.62	43.59	6.60	34.25	33.06	202	335	Average	VERTICAL
5	5592.37	105.19			97.21	6.72	34.35	33.09	202	335	Peak	VERTICAL
6	5598.78	95.42			87.43	6.72	34.36	33.09	202	335	Average	VERTICAL
7	5726.19	52.77	54.00	-1.23	44.64	6.83	34.43	33.13	202	335	Average	VERTICAL
8	5727.79	67.73	74.00	-6.27	59.60	6.83	34.43	33.13	202	335	Peak	VERTICAL

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

Channel 155

	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	5715.00	67.15	68.20	-1.05	59.03	6.83	34.42	33.13	199	330	Peak	VERTICAL
2	5725.00	68.06	78.20	-10.14	59.93	6.83	34.43	33.13	199	330	Peak	VERTICAL
3	5764.58	100.11			91.92	6.88	34.46	33.15	199	330	Peak	VERTICAL
4	5766.99	90.95			82.76	6.88	34.46	33.15	199	330	Average	VERTICAL
5	5856.73	66.06	78.20	-12.14	57.76	6.95	34.52	33.17	199	330	Peak	VERTICAL
6	5867.95	66.13	68.20	-2.07	57.82	6.97	34.52	33.18	199	330	Peak	VERTICAL

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

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. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 144

	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	5712.79	101.47			93.35	6.83	34.42	33.13	231	331	Average	VERTICAL
2	5714.23	112.72			104.60	6.83	34.42	33.13	231	331	Peak	VERTICAL
3	5866.15	61.44	68.20	-6.76	53.13	6.97	34.52	33.18	231	331	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 142

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5704.71	99.86			91.75	6.81	34.42	33.12	203	230	Average	VERTICAL
2	5707.12	109.99			101.87	6.83	34.42	33.13	203	230	Peak	VERTICAL
3	5855.67	60.81	68.20	-7.39	52.51	6.95	34.52	33.17	203	230	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1
Test Date	Jul. 29, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Channel 138

	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	5678.78	96.51			88.44	6.79	34.40	33.12	236	338	Average	VERTICAL
2	5702.82	106.62			98.51	6.81	34.42	33.12	236	338	Peak	VERTICAL
3	5855.06	67.11	68.20	-1.09	58.81	6.95	34.52	33.17	236	338	Peak	VERTICAL

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

Note:

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 36

	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	5150.00	52.99	54.00	-1.01	46.09	6.21	33.74	33.05	150	339 Average	VERTICAL
2	5150.00	72.69	74.00	-1.31	65.79	6.21	33.74	33.05	150	339 Peak	VERTICAL
3	5182.56	103.12			96.14	6.24	33.79	33.05	150	339 Average	VERTICAL
4	5182.56	113.44			106.46	6.24	33.79	33.05	150	339 Peak	VERTICAL

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

Channel 40

	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	5144.87	69.79	74.00	-4.21	62.89	6.21	33.74	33.05	156	338 Peak	VERTICAL
2	5150.00	52.64	54.00	-1.36	45.74	6.21	33.74	33.05	156	338 Average	VERTICAL
3	5197.44	107.60			100.56	6.27	33.82	33.05	156	338 Average	VERTICAL
4	5197.44	118.64			111.60	6.27	33.82	33.05	156	338 Peak	VERTICAL

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

Channel 48

	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	5122.12	50.41	54.00	-3.59	43.60	6.17	33.69	33.05	152	341 Average	VERTICAL
2	5126.44	63.70	74.00	-10.30	56.87	6.17	33.71	33.05	152	341 Peak	VERTICAL
3	5237.60	106.68			99.56	6.30	33.87	33.05	152	341 Average	VERTICAL
4	5237.60	117.64			110.52	6.30	33.87	33.05	152	341 Peak	VERTICAL
5	5354.81	61.77	74.00	-12.23	54.30	6.47	34.06	33.06	152	341 Peak	VERTICAL
6	5357.21	50.50	54.00	-3.50	43.03	6.47	34.06	33.06	152	341 Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 52

	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	5142.31	52.52	54.00	-1.48	45.66	6.17	33.74	33.05	160	338	Average	VERTICAL
2	5142.79	64.40	74.00	-9.60	57.54	6.17	33.74	33.05	160	338	Peak	VERTICAL
3	5254.71	119.19			112.01	6.34	33.90	33.06	160	338	Peak	VERTICAL
4	5262.40	108.31			101.10	6.34	33.93	33.06	160	338	Average	VERTICAL
5	5372.60	51.76	54.00	-2.24	44.26	6.47	34.09	33.06	160	338	Average	VERTICAL
6	5375.48	64.16	74.00	-9.84	56.63	6.50	34.09	33.06	160	338	Peak	VERTICAL

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

Channel 60

	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	5297.12	117.23			109.91	6.40	33.98	33.06	159	338	Peak	VERTICAL
2	5302.24	106.67			99.35	6.40	33.98	33.06	159	338	Average	VERTICAL
3	5350.00	52.99	54.00	-1.01	45.52	6.47	34.06	33.06	159	338	Average	VERTICAL
4	5350.32	68.06	74.00	-5.94	60.59	6.47	34.06	33.06	159	338	Peak	VERTICAL

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

Channel 64

	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	5314.55	114.80			107.45	6.40	34.01	33.06	158	338	Peak	VERTICAL
2	5317.44	103.51			96.16	6.40	34.01	33.06	158	338	Average	VERTICAL
3	5350.00	52.97	54.00	-1.03	45.50	6.47	34.06	33.06	158	338	Average	VERTICAL
4	5350.00	68.32	74.00	-5.68	60.85	6.47	34.06	33.06	158	338	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Jul. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 100

	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	5422.04	65.35	74.00	-8.65	57.71	6.53	34.17	33.06	152	331	Peak	VERTICAL
2	5422.18	49.53	54.00	-4.47	41.89	6.53	34.17	33.06	152	331	Average	VERTICAL
3	5468.72	71.40	74.00	-2.60	63.61	6.60	34.25	33.06	152	331	Peak	VERTICAL
4	5469.04	52.69	54.00	-1.31	44.90	6.60	34.25	33.06	152	331	Average	VERTICAL
5	5494.55	114.29			106.45	6.63	34.27	33.06	152	331	Peak	VERTICAL
6	5497.44	102.90			95.03	6.63	34.30	33.06	152	331	Average	VERTICAL

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

Channel 116

	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	5457.60	51.52	54.00	-2.48	43.76	6.60	34.22	33.06	157	330	Average	VERTICAL
2	5458.08	63.47	74.00	-10.53	55.71	6.60	34.22	33.06	157	330	Peak	VERTICAL
3	5462.40	51.29	54.00	-2.71	43.53	6.60	34.22	33.06	157	330	Average	VERTICAL
4	5470.00	63.75	74.00	-10.25	55.96	6.60	34.25	33.06	157	330	Peak	VERTICAL
5	5586.73	116.67			108.69	6.72	34.35	33.09	157	330	Peak	VERTICAL
6	5587.21	106.36			98.38	6.72	34.35	33.09	157	330	Average	VERTICAL
7	5725.00	47.92	54.00	-6.08	39.79	6.83	34.43	33.13	157	330	Average	VERTICAL
8	5725.00	59.33	74.00	-14.67	51.20	6.83	34.43	33.13	157	330	Peak	VERTICAL

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

Channel 140

	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	5702.24	100.02			91.91	6.81	34.42	33.12	154	327	Average	VERTICAL
2	5702.56	110.71			102.60	6.81	34.42	33.12	154	327	Peak	VERTICAL
3	5725.00	52.24	54.00	-1.76	44.11	6.83	34.43	33.13	154	327	Average	VERTICAL
4	5725.00	72.75	74.00	-1.25	64.62	6.83	34.43	33.13	154	327	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.63	69.15	74.00	-4.85	61.03	6.83	34.42	33.13	126	319	Peak	VERTICAL
2	5715.00	50.98	54.00	-3.02	42.86	6.83	34.42	33.13	126	319	Average	VERTICAL
3	5723.37	77.07	78.20	-1.13	68.94	6.83	34.43	33.13	126	319	Peak	VERTICAL
4	5742.60	98.45			90.29	6.86	34.44	33.14	126	319	Average	VERTICAL
5	5742.60	110.13			101.97	6.86	34.44	33.14	126	319	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.63	51.41	54.00	-2.59	43.30	6.81	34.42	33.12	180	317	Average	VERTICAL
2	5705.19	63.89	74.00	-10.11	55.77	6.83	34.42	33.13	180	317	Peak	VERTICAL
3	5715.64	62.12	78.20	-16.08	54.00	6.83	34.42	33.13	180	317	Peak	VERTICAL
4	5782.76	113.79			105.58	6.90	34.47	33.16	180	317	Peak	VERTICAL
5	5787.56	102.99			94.77	6.90	34.48	33.16	180	317	Average	VERTICAL
6	5851.35	68.70	78.20	-9.50	60.41	6.95	34.51	33.17	180	317	Peak	VERTICAL
7	5862.56	52.40	54.00	-1.60	44.09	6.97	34.52	33.18	180	317	Average	VERTICAL
8	5862.89	66.80	74.00	-7.20	58.49	6.97	34.52	33.18	180	317	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5824.04	100.74			92.48	6.92	34.50	33.16	206	343	Average	VERTICAL
2	5824.20	111.56			103.30	6.92	34.50	33.16	206	343	Peak	VERTICAL
3	5852.08	75.61	78.20	-2.59	67.32	6.95	34.51	33.17	206	343	Peak	VERTICAL
4	5860.00	52.18	54.00	-1.82	43.87	6.97	34.52	33.18	206	343	Average	VERTICAL
5	5861.70	67.79	74.00	-6.21	59.48	6.97	34.52	33.18	206	343	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 38

	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	5147.37	71.25	74.00	-2.75	64.35	6.21	33.74	33.05	212	1 Peak	VERTICAL
2	5149.30	52.97	54.00	-1.03	46.07	6.21	33.74	33.05	212	1 Average	VERTICAL
3	5194.17	96.32			89.31	6.24	33.82	33.05	212	1 Average	VERTICAL
4	5194.49	106.66			99.65	6.24	33.82	33.05	212	1 Peak	VERTICAL

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

Channel 46

	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	5149.20	64.95	74.00	-9.05	58.05	6.21	33.74	33.05	132	241 Peak	VERTICAL
2	5149.60	50.67	54.00	-3.33	43.77	6.21	33.74	33.05	132	241 Average	VERTICAL
3	5234.80	99.84			92.72	6.30	33.87	33.05	132	241 Average	VERTICAL
4	5234.80	109.99			102.87	6.30	33.87	33.05	132	241 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 54

	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	5265.19	99.85			92.64	6.34	33.93	33.06	162	118 Average	VERTICAL
2	5265.19	109.92			102.71	6.34	33.93	33.06	162	118 Peak	VERTICAL
3	5350.00	52.77	54.00	-1.23	45.30	6.47	34.06	33.06	162	118 Average	VERTICAL
4	5352.69	68.30	74.00	-5.70	60.83	6.47	34.06	33.06	162	118 Peak	VERTICAL

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

Channel 62

	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	5305.19	96.56			89.24	6.40	33.98	33.06	213	254 Average	VERTICAL
2	5305.19	105.60			98.28	6.40	33.98	33.06	213	254 Peak	VERTICAL
3	5350.00	52.86	54.00	-1.14	45.39	6.47	34.06	33.06	213	254 Average	VERTICAL
4	5350.71	69.56	74.00	-4.44	62.09	6.47	34.06	33.06	213	254 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 102

	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	5459.36	65.20	74.00	-8.80	57.44	6.60	34.22	33.06	184	252	Peak	VERTICAL
2	5460.00	50.56	54.00	-3.44	42.80	6.60	34.22	33.06	184	252	Average	VERTICAL
3	5467.37	72.76	74.00	-1.24	64.97	6.60	34.25	33.06	184	252	Peak	VERTICAL
4	5470.00	52.77	54.00	-1.23	44.98	6.60	34.25	33.06	184	252	Average	VERTICAL
5	5512.89	97.66			89.78	6.65	34.30	33.07	184	252	Average	VERTICAL
6	5515.13	107.18			99.29	6.65	34.31	33.07	184	252	Peak	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.30	63.02	74.00	-10.98	55.26	6.60	34.22	33.06	152	249	Peak	VERTICAL
2	5460.00	51.24	54.00	-2.76	43.48	6.60	34.22	33.06	152	249	Average	VERTICAL
3	5467.40	52.83	54.00	-1.17	45.04	6.60	34.25	33.06	152	249	Average	VERTICAL
4	5469.55	66.43	74.00	-7.57	58.64	6.60	34.25	33.06	152	249	Peak	VERTICAL
5	5555.13	100.69			92.74	6.70	34.33	33.08	152	249	Average	VERTICAL
6	5555.13	110.96			103.01	6.70	34.33	33.08	152	249	Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5674.81	96.29			88.22	6.79	34.40	33.12	149	253	Average	VERTICAL
2	5675.13	105.59			97.52	6.79	34.40	33.12	149	253	Peak	VERTICAL
3	5725.77	52.78	54.00	-1.22	44.65	6.83	34.43	33.13	149	253	Average	VERTICAL
4	5725.77	67.93	74.00	-6.07	59.80	6.83	34.43	33.13	149	253	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	70.35	74.00	-3.65	62.23	6.83	34.42	33.13	150	253	Peak	VERTICAL
2	5715.00	52.76	54.00	-1.24	44.64	6.83	34.42	33.13	150	253	Average	VERTICAL
3	5717.95	72.59	78.20	-5.61	64.46	6.83	34.43	33.13	150	253	Peak	VERTICAL
4	5759.81	103.95			95.76	6.88	34.46	33.15	150	253	Peak	VERTICAL
5	5760.13	94.38			86.19	6.88	34.46	33.15	150	253	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.39	64.66	74.00	-9.34	56.54	6.83	34.42	33.13	177	251	Peak	VERTICAL
2	5712.31	49.69	54.00	-4.31	41.57	6.83	34.42	33.13	177	251	Average	VERTICAL
3	5724.68	66.91	78.20	-11.29	58.78	6.83	34.43	33.13	177	251	Peak	VERTICAL
4	5800.13	97.03			88.81	6.90	34.48	33.16	177	251	Average	VERTICAL
5	5800.13	106.46			98.24	6.90	34.48	33.16	177	251	Peak	VERTICAL
6	5851.28	71.77	78.20	-6.43	63.48	6.95	34.51	33.17	177	251	Peak	VERTICAL
7	5860.39	52.54	54.00	-1.46	44.23	6.97	34.52	33.18	177	251	Average	VERTICAL
8	5860.39	68.00	74.00	-6.00	59.69	6.97	34.52	33.18	177	251	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 42

	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	5145.10	52.89	54.00	-1.11	45.99	6.21	33.74	33.05	188	256	Average	VERTICAL
2	5150.00	67.24	74.00	-6.76	60.34	6.21	33.74	33.05	188	256	Peak	VERTICAL
3	5195.58	93.10			86.06	6.27	33.82	33.05	188	256	Average	VERTICAL
4	5195.58	102.10			95.06	6.27	33.82	33.05	188	256	Peak	VERTICAL
5	5361.44	59.96	74.00	-14.04	52.46	6.47	34.09	33.06	188	256	Peak	VERTICAL
6	5403.91	47.74	54.00	-6.26	40.13	6.53	34.14	33.06	188	256	Average	VERTICAL

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

Channel 58

	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	5057.63	57.18	74.00	-16.82	50.54	6.08	33.61	33.05	192	252	Peak	VERTICAL
2	5135.35	47.33	54.00	-6.67	40.50	6.17	33.71	33.05	192	252	Average	VERTICAL
3	5285.19	92.64			85.38	6.37	33.95	33.06	192	252	Average	VERTICAL
4	5298.01	101.75			94.43	6.40	33.98	33.06	192	252	Peak	VERTICAL
5	5350.00	52.93	54.00	-1.07	45.46	6.47	34.06	33.06	192	252	Average	VERTICAL
6	5358.11	67.68	74.00	-6.32	60.21	6.47	34.06	33.06	192	252	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2
Test Date	Aug. 04, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 106

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5456.28	66.07	74.00	-7.93	58.31	6.60	34.22	33.06	152	131	Peak	VERTICAL
2	5457.08	52.27	54.00	-1.73	44.51	6.60	34.22	33.06	152	131	Average	VERTICAL
3	5460.80	52.35	54.00	-1.65	44.59	6.60	34.22	33.06	152	131	Average	VERTICAL
4	5460.80	68.91	74.00	-5.09	61.15	6.60	34.22	33.06	152	131	Peak	VERTICAL
5	5534.81	103.22			95.30	6.68	34.32	33.08	152	131	Peak	VERTICAL
6	5539.62	93.28			85.36	6.68	34.32	33.08	152	131	Average	VERTICAL
7	5764.78	59.52	74.00	-14.48	51.33	6.88	34.46	33.15	152	131	Peak	VERTICAL
8	5767.18	48.26	54.00	-5.74	40.07	6.88	34.46	33.15	152	131	Average	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5457.76	50.56	54.00	-3.44	42.80	6.60	34.22	33.06	135	251	Average	VERTICAL
2	5459.36	63.83	74.00	-10.17	56.07	6.60	34.22	33.06	135	251	Peak	VERTICAL
3	5465.99	64.47	68.20	-3.73	56.68	6.60	34.25	33.06	135	251	Peak	VERTICAL
4	5597.18	95.30			87.32	6.72	34.35	33.09	135	251	Average	VERTICAL
5	5602.79	104.59			96.59	6.74	34.36	33.10	135	251	Peak	VERTICAL
6	5730.19	67.12	68.20	-1.08	58.99	6.83	34.43	33.13	135	251	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preampl	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	5706.09	52.72	54.00	-1.28	44.60	6.83	34.42	33.13	260	344	Average	VERTICAL
2	5711.70	68.14	74.00	-5.86	60.02	6.83	34.42	33.13	260	344	Peak	VERTICAL
3	5723.40	71.60	78.20	-6.60	63.47	6.83	34.43	33.13	260	344	Peak	VERTICAL
4	5811.86	93.26			85.01	6.92	34.49	33.16	260	344	Average	VERTICAL
5	5811.86	103.36			95.11	6.92	34.49	33.16	260	344	Peak	VERTICAL
6	5857.53	70.03	78.20	-8.17	61.73	6.95	34.52	33.17	260	344	Peak	VERTICAL
7	5860.00	52.26	54.00	-1.74	43.95	6.97	34.52	33.18	260	344	Average	VERTICAL
8	5867.95	67.50	74.00	-6.50	59.19	6.97	34.52	33.18	260	344	Peak	VERTICAL

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

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. 30, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

Channel 144

	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	5717.44	105.85			97.73	6.83	34.42	33.13	150	328	Average	VERTICAL
2	5722.56	117.10			108.97	6.83	34.43	33.13	150	328	Peak	VERTICAL
3	5850.00	60.33	68.20	-7.87	52.04	6.95	34.51	33.17	150	328	Peak	VERTICAL

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

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)		

Channel 142

	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	5705.51	102.89			94.77	6.83	34.42	33.13	254	256	Average	VERTICAL
2	5707.44	112.46			104.34	6.83	34.42	33.13	254	256	Peak	VERTICAL
3	5865.77	51.91	54.00	-2.09	43.60	6.97	34.52	33.18	254	256	Average	VERTICAL
4	5867.69	65.00	74.00	-9.00	56.69	6.97	34.52	33.18	254	256	Peak	VERTICAL

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

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)		

Channel 138

	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	5699.62	108.56			100.46	6.81	34.41	33.12	194	340	Peak	VERTICAL
2	5701.22	98.86			90.75	6.81	34.42	33.12	194	340	Average	VERTICAL
3	5853.46	66.95	68.20	-1.25	58.66	6.95	34.51	33.17	194	340	Peak	VERTICAL

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

Note:

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 05, 2015 ~ Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.80	69.27	74.00	-4.73	62.37	6.21	33.74	33.05	176	133	Peak	VERTICAL
2	5149.20	52.79	54.00	-1.21	45.89	6.21	33.74	33.05	176	133	Average	VERTICAL
3	5178.80	113.22			106.24	6.24	33.79	33.05	176	133	Peak	VERTICAL
4	5179.20	102.36			95.38	6.24	33.79	33.05	176	133	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5118.80	52.67	54.00	-1.33	45.86	6.17	33.69	33.05	174	133	Average	VERTICAL
2	5148.40	67.30	74.00	-6.70	60.40	6.21	33.74	33.05	174	133	Peak	VERTICAL
3	5193.60	117.92			110.91	6.24	33.82	33.05	174	133	Peak	VERTICAL
4	5198.80	106.52			99.48	6.27	33.82	33.05	174	133	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5143.60	59.39	74.00	-14.61	52.53	6.17	33.74	33.05	190	243	Peak	VERTICAL
2	5149.60	46.42	54.00	-7.58	39.52	6.21	33.74	33.05	190	243	Average	VERTICAL
3	5237.20	114.50			107.38	6.30	33.87	33.05	190	243	Peak	VERTICAL
4	5237.60	103.63			96.51	6.30	33.87	33.05	190	243	Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5137.00	52.14	54.00	-1.86	45.31	6.17	33.71	33.05	197	242	Average	VERTICAL
2	5141.80	63.28	74.00	-10.72	56.42	6.17	33.74	33.05	197	242	Peak	VERTICAL
3	5262.40	107.99			100.78	6.34	33.93	33.06	197	242	Average	VERTICAL
4	5262.40	118.71			111.50	6.34	33.93	33.06	197	242	Peak	VERTICAL
5	5357.20	63.67	74.00	-10.33	56.20	6.47	34.06	33.06	197	242	Peak	VERTICAL
6	5372.80	51.53	54.00	-2.47	44.03	6.47	34.09	33.06	197	242	Average	VERTICAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5298.80	105.89			98.57	6.40	33.98	33.06	199	137	Average	VERTICAL
2	5299.40	116.64			109.32	6.40	33.98	33.06	199	137	Peak	VERTICAL
3	5352.20	52.51	54.00	-1.49	45.04	6.47	34.06	33.06	199	137	Average	VERTICAL
4	5354.00	66.62	74.00	-7.38	59.15	6.47	34.06	33.06	199	137	Peak	VERTICAL

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

Channel 64

	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	5318.80	114.30			106.95	6.40	34.01	33.06	201	134	Peak	VERTICAL
2	5319.00	103.01			95.66	6.40	34.01	33.06	201	134	Average	VERTICAL
3	5354.00	52.64	54.00	-1.36	45.17	6.47	34.06	33.06	201	134	Average	VERTICAL
4	5354.20	72.63	74.00	-1.37	65.16	6.47	34.06	33.06	201	134	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 100

	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	5459.00	49.92	54.00	-4.08	42.16	6.60	34.22	33.06	178	347	Average	VERTICAL
2	5459.00	65.58	74.00	-8.42	57.82	6.60	34.22	33.06	178	347	Peak	VERTICAL
3	5468.80	70.84	74.00	-3.16	63.05	6.60	34.25	33.06	178	347	Peak	VERTICAL
4	5469.20	52.96	54.00	-1.04	45.17	6.60	34.25	33.06	178	347	Average	VERTICAL
5	5498.60	114.33			106.46	6.63	34.30	33.06	178	347	Peak	VERTICAL
6	5499.00	103.18			95.31	6.63	34.30	33.06	178	347	Average	VERTICAL

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

Channel 116

	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	5418.40	62.95	74.00	-11.05	55.31	6.53	34.17	33.06	171	343	Peak	VERTICAL
2	5459.20	50.69	54.00	-3.31	42.93	6.60	34.22	33.06	171	343	Average	VERTICAL
3	5464.00	50.40	54.00	-3.60	42.61	6.60	34.25	33.06	171	343	Average	VERTICAL
4	5468.80	63.49	74.00	-10.51	55.70	6.60	34.25	33.06	171	343	Peak	VERTICAL
5	5584.00	107.73			99.75	6.72	34.35	33.09	171	343	Average	VERTICAL
6	5584.00	118.05			110.07	6.72	34.35	33.09	171	343	Peak	VERTICAL
7	5739.20	61.92	74.00	-12.08	53.76	6.86	34.44	33.14	171	343	Peak	VERTICAL
8	5740.00	50.17	54.00	-3.83	42.01	6.86	34.44	33.14	171	343	Average	VERTICAL

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

Channel 140

	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	5698.80	102.04			93.94	6.81	34.41	33.12	153	338	Average	VERTICAL
2	5699.20	112.68			104.58	6.81	34.41	33.12	153	338	Peak	VERTICAL
3	5725.00	52.68	54.00	-1.32	44.55	6.83	34.43	33.13	153	338	Average	VERTICAL
4	5729.20	70.08	74.00	-3.92	61.95	6.83	34.43	33.13	153	338	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 149

	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	5714.00	49.12	54.00	-4.88	41.00	6.83	34.42	33.13	199	340 Average	VERTICAL
2	5715.00	68.68	74.00	-5.32	60.56	6.83	34.42	33.13	199	340 Peak	VERTICAL
3	5724.40	76.93	78.20	-1.27	68.80	6.83	34.43	33.13	199	340 Peak	VERTICAL
4	5744.00	98.79			90.63	6.86	34.44	33.14	199	340 Average	VERTICAL
5	5749.40	110.34			102.18	6.86	34.44	33.14	199	340 Peak	VERTICAL

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

Channel 157

	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	5715.00	65.08	68.20	-3.12	56.96	6.83	34.42	33.13	163	334 Peak	VERTICAL
2	5723.80	68.73	78.20	-9.47	60.60	6.83	34.43	33.13	163	334 Peak	VERTICAL
3	5783.80	117.09			108.88	6.90	34.47	33.16	163	334 Peak	VERTICAL
4	5784.40	106.84			98.63	6.90	34.47	33.16	163	334 Average	VERTICAL
5	5852.80	69.23	78.20	-8.97	60.94	6.95	34.51	33.17	163	334 Peak	VERTICAL
6	5878.00	67.13	68.20	-1.07	58.81	6.97	34.53	33.18	163	334 Peak	VERTICAL

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

Channel 165

	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	5823.60	114.42			106.16	6.92	34.50	33.16	167	336 Peak	VERTICAL
2	5824.00	103.58			95.32	6.92	34.50	33.16	167	336 Average	VERTICAL
3	5854.80	75.88	78.20	-2.32	67.58	6.95	34.52	33.17	167	336 Peak	VERTICAL
4	5860.00	52.92	54.00	-1.08	44.61	6.97	34.52	33.18	167	336 Average	VERTICAL
5	5860.20	72.89	74.00	-1.11	64.58	6.97	34.52	33.18	167	336 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 38

	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	5149.60	68.66	74.00	-5.34	61.76	6.21	33.74	33.05	178	134	Peak	VERTICAL
2	5150.00	52.63	54.00	-1.37	45.73	6.21	33.74	33.05	178	134	Average	VERTICAL
3	5193.60	108.35			101.34	6.24	33.82	33.05	178	134	Peak	VERTICAL
4	5194.00	98.54			91.53	6.24	33.82	33.05	178	134	Average	VERTICAL

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

Channel 46

	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	5148.80	50.57	54.00	-3.43	43.67	6.21	33.74	33.05	210	122	Average	VERTICAL
2	5149.20	64.38	74.00	-9.62	57.48	6.21	33.74	33.05	210	122	Peak	VERTICAL
3	5234.80	101.85			94.73	6.30	33.87	33.05	210	122	Average	VERTICAL
4	5234.80	111.86			104.74	6.30	33.87	33.05	210	122	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5262.40	101.31			94.10	6.34	33.93	33.06	180	232	Average	VERTICAL
2	5262.40	111.21			104.00	6.34	33.93	33.06	180	232	Peak	VERTICAL
3	5352.80	52.88	54.00	-1.12	45.41	6.47	34.06	33.06	180	232	Average	VERTICAL
4	5352.80	66.13	74.00	-7.87	58.66	6.47	34.06	33.06	180	232	Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5314.00	98.29			90.94	6.40	34.01	33.06	174	126	Average	VERTICAL
2	5314.40	107.47			100.12	6.40	34.01	33.06	174	126	Peak	VERTICAL
3	5350.00	52.88	54.00	-1.12	45.41	6.47	34.06	33.06	174	126	Average	VERTICAL
4	5350.00	68.58	74.00	-5.42	61.11	6.47	34.06	33.06	174	126	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 102

	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	5458.40	50.05	54.00	-3.95	42.29	6.60	34.22	33.06	175	346 Average	VERTICAL
2	5459.20	64.46	74.00	-9.54	56.70	6.60	34.22	33.06	175	346 Peak	VERTICAL
3	5468.80	52.96	54.00	-1.04	45.17	6.60	34.25	33.06	175	346 Average	VERTICAL
4	5469.20	70.17	74.00	-3.83	62.38	6.60	34.25	33.06	175	346 Peak	VERTICAL
5	5514.40	97.15			89.26	6.65	34.31	33.07	175	346 Average	VERTICAL
6	5514.40	106.93			99.04	6.65	34.31	33.07	175	346 Peak	VERTICAL

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

Channel 110

	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	5459.60	51.58	54.00	-2.42	43.82	6.60	34.22	33.06	191	233 Average	VERTICAL
2	5459.60	65.53	74.00	-8.47	57.77	6.60	34.22	33.06	191	233 Peak	VERTICAL
3	5468.80	66.87	68.20	-1.33	59.08	6.60	34.25	33.06	191	233 Peak	VERTICAL
4	5537.60	100.46			92.54	6.68	34.32	33.08	191	233 Average	VERTICAL
5	5537.60	110.23			102.31	6.68	34.32	33.08	191	233 Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Channel 134

	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	5652.40	97.71			89.67	6.76	34.39	33.11	174	226 Average	VERTICAL
2	5652.40	107.64			99.60	6.76	34.39	33.11	174	226 Peak	VERTICAL
3	5726.00	52.61	54.00	-1.39	44.48	6.83	34.43	33.13	174	226 Average	VERTICAL
4	5727.20	68.05	74.00	-5.95	59.92	6.83	34.43	33.13	174	226 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 151

	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	5714.20	52.94	54.00	-1.06	44.82	6.83	34.42	33.13	191	329 Average	VERTICAL
2	5714.20	71.91	74.00	-2.09	63.79	6.83	34.42	33.13	191	329 Peak	VERTICAL
3	5724.20	76.72	78.20	-1.48	68.59	6.83	34.43	33.13	191	329 Peak	VERTICAL
4	5759.00	98.79			90.60	6.88	34.46	33.15	191	329 Average	VERTICAL
5	5759.40	108.57			100.38	6.88	34.46	33.15	191	329 Peak	VERTICAL

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

Channel 159

	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	5709.00	62.31	74.00	-11.69	54.19	6.83	34.42	33.13	144	325 Peak	VERTICAL
2	5713.80	49.87	54.00	-4.13	41.75	6.83	34.42	33.13	144	325 Average	VERTICAL
3	5723.00	65.25	78.20	-12.95	57.12	6.83	34.43	33.13	144	325 Peak	VERTICAL
4	5799.40	110.61			102.39	6.90	34.48	33.16	144	325 Peak	VERTICAL
5	5809.00	100.80			92.55	6.92	34.49	33.16	144	325 Average	VERTICAL
6	5855.00	72.77	78.20	-5.43	64.47	6.95	34.52	33.17	144	325 Peak	VERTICAL
7	5860.00	52.71	54.00	-1.29	44.40	6.97	34.52	33.18	144	325 Average	VERTICAL
8	5864.20	68.47	74.00	-5.53	60.16	6.97	34.52	33.18	144	325 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 42

	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	5147.00	52.83	54.00	-1.17	45.93	6.21	33.74	33.05	217	225 Average	VERTICAL
2	5147.00	70.15	74.00	-3.85	63.25	6.21	33.74	33.05	217	225 Peak	VERTICAL
3	5197.00	94.80			87.76	6.27	33.82	33.05	217	225 Average	VERTICAL
4	5238.00	104.15			97.03	6.30	33.87	33.05	217	225 Peak	VERTICAL
5	5352.00	48.28	54.00	-5.72	40.81	6.47	34.06	33.06	217	225 Average	VERTICAL
6	5362.00	61.10	74.00	-12.90	53.60	6.47	34.09	33.06	217	225 Peak	VERTICAL

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

Channel 58

	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	5082.00	46.99	54.00	-7.01	40.30	6.11	33.63	33.05	207	304 Average	VERTICAL
2	5122.00	58.97	74.00	-15.03	52.16	6.17	33.69	33.05	207	304 Peak	VERTICAL
3	5303.00	93.37			86.05	6.40	33.98	33.06	207	304 Average	VERTICAL
4	5303.00	102.13			94.81	6.40	33.98	33.06	207	304 Peak	VERTICAL
5	5353.00	52.62	54.00	-1.38	45.15	6.47	34.06	33.06	207	304 Average	VERTICAL
6	5358.00	65.07	74.00	-8.93	57.60	6.47	34.06	33.06	207	304 Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Aug. 06, 2015		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

Channel 106

	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	5449.00	65.01	74.00	-8.99	57.29	6.56	34.22	33.06	170	119	Peak	VERTICAL
2	5459.00	51.89	54.00	-2.11	44.13	6.60	34.22	33.06	170	119	Average	VERTICAL
3	5464.00	68.52	74.00	-5.48	60.73	6.60	34.25	33.06	170	119	Peak	VERTICAL
4	5470.00	52.55	54.00	-1.45	44.76	6.60	34.25	33.06	170	119	Average	VERTICAL
5	5539.00	102.50			94.58	6.68	34.32	33.08	170	119	Peak	VERTICAL
6	5540.00	93.12			85.20	6.68	34.32	33.08	170	119	Average	VERTICAL
7	5745.00	60.30	74.00	-13.70	52.14	6.86	34.44	33.14	170	119	Peak	VERTICAL
8	5775.00	48.95	54.00	-5.05	40.75	6.88	34.47	33.15	170	119	Average	VERTICAL

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

Channel 122

	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	5453.00	62.44	74.00	-11.56	54.68	6.60	34.22	33.06	174	328	Peak	VERTICAL
2	5458.00	50.41	54.00	-3.59	42.65	6.60	34.22	33.06	174	328	Average	VERTICAL
3	5463.00	62.82	68.20	-5.38	55.03	6.60	34.25	33.06	174	328	Peak	VERTICAL
4	5614.00	105.21			97.21	6.74	34.36	33.10	174	328	Peak	VERTICAL
5	5619.00	96.44			88.43	6.74	34.37	33.10	174	328	Average	VERTICAL
6	5725.00	66.96	68.20	-1.24	58.83	6.83	34.43	33.13	174	328	Peak	VERTICAL

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

Channel 155

	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	5713.00	65.95	74.00	-8.05	57.83	6.83	34.42	33.13	191	331	Peak	VERTICAL
2	5714.00	52.46	54.00	-1.54	44.34	6.83	34.42	33.13	191	331	Average	VERTICAL
3	5724.00	72.32	78.20	-5.88	64.19	6.83	34.43	33.13	191	331	Peak	VERTICAL
4	5764.00	95.72			87.53	6.88	34.46	33.15	191	331	Average	VERTICAL
5	5769.00	105.27			97.07	6.88	34.47	33.15	191	331	Peak	VERTICAL
6	5850.00	70.45	78.20	-7.75	62.16	6.95	34.51	33.17	191	331	Peak	VERTICAL
7	5860.00	52.81	54.00	-1.19	44.50	6.97	34.52	33.18	191	331	Average	VERTICAL
8	5870.00	69.81	74.00	-4.19	61.50	6.97	34.52	33.18	191	331	Peak	VERTICAL

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

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)		

Channel 144

	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	5718.80	118.98			110.85	6.83	34.43	33.13	184	342	Peak	VERTICAL
2	5719.40	108.47			100.34	6.83	34.43	33.13	184	342	Average	VERTICAL
3	5850.80	63.06	68.20	-5.14	54.77	6.95	34.51	33.17	184	342	Peak	VERTICAL

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

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)		

Channel 142

	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	5714.00	103.92			95.80	6.83	34.42	33.13	198	327	Average	VERTICAL
2	5714.00	114.65			106.53	6.83	34.42	33.13	198	327	Peak	VERTICAL
3	5862.00	67.02	68.20	-1.18	58.71	6.97	34.52	33.18	198	327	Peak	VERTICAL

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

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)		

Channel 138

	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	5699.00	98.78			90.68	6.81	34.41	33.12	180	131	Average	VERTICAL
2	5704.00	107.57			99.46	6.81	34.42	33.12	180	131	Peak	VERTICAL
3	5871.00	67.11	68.20	-1.09	58.79	6.97	34.53	33.18	180	131	Peak	VERTICAL

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

Note:

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

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

<For Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.55	70.10	74.00	-3.90	63.20	6.21	33.74	33.05	150	343	Peak	HORIZONTAL
2	5150.00	52.95	54.00	-1.05	46.05	6.21	33.74	33.05	150	343	Average	HORIZONTAL
3	5171.99	105.75			98.79	6.24	33.77	33.05	150	343	Average	HORIZONTAL
4	5171.99	114.85			107.89	6.24	33.77	33.05	150	343	Peak	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5121.47	52.95	54.00	-1.05	46.14	6.17	33.69	33.05	196	348	Average	HORIZONTAL
2	5122.28	63.78	74.00	-10.22	56.97	6.17	33.69	33.05	196	348	Peak	HORIZONTAL
3	5200.80	107.49			100.45	6.27	33.82	33.05	196	348	Average	HORIZONTAL
4	5202.40	116.69			109.65	6.27	33.82	33.05	196	348	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5111.80	51.72	54.00	-2.28	44.94	6.14	33.69	33.05	199	344	Average	HORIZONTAL
2	5111.80	62.87	74.00	-11.13	56.09	6.14	33.69	33.05	199	344	Peak	HORIZONTAL
3	5232.79	107.97			100.85	6.30	33.87	33.05	199	344	Average	HORIZONTAL
4	5233.59	117.61			110.49	6.30	33.87	33.05	199	344	Peak	HORIZONTAL
5	5352.18	63.53	74.00	-10.47	56.06	6.47	34.06	33.06	199	344	Peak	HORIZONTAL
6	5352.98	51.52	54.00	-2.48	44.05	6.47	34.06	33.06	199	344	Average	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 52

	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	5136.60	52.84	54.00	-1.16	46.01	6.17	33.71	33.05	180	353	Average	HORIZONTAL
2	5136.60	63.54	74.00	-10.46	56.71	6.17	33.71	33.05	180	353	Peak	HORIZONTAL
3	5257.60	109.85			102.67	6.34	33.90	33.06	180	353	Average	HORIZONTAL
4	5257.60	118.68			111.50	6.34	33.90	33.06	180	353	Peak	HORIZONTAL
5	5376.99	51.73	54.00	-2.27	44.20	6.50	34.09	33.06	180	353	Average	HORIZONTAL
6	5377.79	63.57	74.00	-10.43	56.02	6.50	34.11	33.06	180	353	Peak	HORIZONTAL

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

Channel 60

	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	5308.01	108.78			101.46	6.40	33.98	33.06	151	14	Average	HORIZONTAL
2	5308.01	117.13			109.81	6.40	33.98	33.06	151	14	Peak	HORIZONTAL
3	5388.14	52.98	54.00	-1.02	45.43	6.50	34.11	33.06	151	14	Average	HORIZONTAL
4	5388.14	63.88	74.00	-10.12	56.33	6.50	34.11	33.06	151	14	Peak	HORIZONTAL

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

Channel 64

	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	5321.44	112.99			105.64	6.40	34.01	33.06	230	344	Peak	VERTICAL
2	5321.92	103.22			95.87	6.40	34.01	33.06	230	344	Average	VERTICAL
3	5350.00	52.75	54.00	-1.25	45.28	6.47	34.06	33.06	230	344	Average	VERTICAL
4	5352.21	67.21	74.00	-6.79	59.74	6.47	34.06	33.06	230	344	Peak	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2
Test Date	Jul. 28, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 100

	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	5420.67	50.80	54.00	-3.20	43.16	6.53	34.17	33.06	119	355	Average	HORIZONTAL
2	5459.14	63.22	74.00	-10.78	55.46	6.60	34.22	33.06	119	355	Peak	HORIZONTAL
3	5467.79	71.47	74.00	-2.53	63.68	6.60	34.25	33.06	119	355	Peak	HORIZONTAL
4	5470.00	52.71	54.00	-1.29	44.92	6.60	34.25	33.06	119	355	Average	HORIZONTAL
5	5498.08	115.98			108.11	6.63	34.30	33.06	119	355	Peak	HORIZONTAL
6	5498.56	106.24			98.37	6.63	34.30	33.06	119	355	Average	HORIZONTAL

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

Channel 116

	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	5121.67	52.77	54.00	-1.23	45.96	6.17	33.69	33.05	148	343	Average	HORIZONTAL
2	5123.27	62.63	74.00	-11.37	55.80	6.17	33.71	33.05	148	343	Peak	HORIZONTAL
3	5427.76	62.73	74.00	-11.27	55.06	6.56	34.17	33.06	148	343	Peak	HORIZONTAL
4	5427.95	52.46	54.00	-1.54	44.79	6.56	34.17	33.06	148	343	Average	HORIZONTAL
5	5468.40	51.80	54.00	-2.20	44.01	6.60	34.25	33.06	148	343	Average	HORIZONTAL
6	5468.40	62.56	74.00	-11.44	54.77	6.60	34.25	33.06	148	343	Peak	HORIZONTAL
7	5584.81	120.73			112.75	6.72	34.35	33.09	148	343	Peak	HORIZONTAL
8	5588.01	111.47			103.49	6.72	34.35	33.09	148	343	Average	HORIZONTAL
9	5748.27	51.19	54.00	-2.81	43.03	6.86	34.44	33.14	148	343	Average	HORIZONTAL
10	5748.27	62.98	74.00	-11.02	54.82	6.86	34.44	33.14	148	343	Peak	HORIZONTAL

Item 7, 8 are the fundamental frequency at 5580 MHz.

Channel 140

	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	5691.35	105.92			97.82	6.81	34.41	33.12	212	354	Average	HORIZONTAL
2	5692.31	115.46			107.36	6.81	34.41	33.12	212	354	Peak	HORIZONTAL
3	5725.48	72.91	74.00	-1.09	64.78	6.83	34.43	33.13	212	354	Peak	HORIZONTAL
4	5771.64	52.48	54.00	-1.52	44.28	6.88	34.47	33.15	212	354	Average	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 149

	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	5710.39	67.14	68.20	-1.06	59.02	6.83	34.42	33.13	171	335	Peak	HORIZONTAL
2	5722.40	73.36	78.20	-4.84	65.23	6.83	34.43	33.13	171	335	Peak	HORIZONTAL
3	5751.73	115.25			107.07	6.86	34.46	33.14	171	335	Peak	HORIZONTAL
4	5753.17	105.12			96.94	6.86	34.46	33.14	171	335	Average	HORIZONTAL

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

Channel 157

	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	5713.37	66.86	68.20	-1.34	58.74	6.83	34.42	33.13	200	7	Peak	HORIZONTAL
2	5724.04	62.48	78.20	-15.72	54.35	6.83	34.43	33.13	200	7	Peak	HORIZONTAL
3	5793.17	110.50			102.28	6.90	34.48	33.16	200	7	Average	HORIZONTAL
4	5793.17	119.85			111.63	6.90	34.48	33.16	200	7	Peak	HORIZONTAL
5	5852.40	65.34	78.20	-12.86	57.05	6.95	34.51	33.17	200	7	Peak	HORIZONTAL
6	5872.98	67.14	68.20	-1.06	58.82	6.97	34.53	33.18	200	7	Peak	HORIZONTAL

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

Channel 165

	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	5832.05	101.76			93.50	6.92	34.50	33.16	202	6	Average	VERTICAL
2	5832.05	111.80			103.54	6.92	34.50	33.16	202	6	Peak	VERTICAL
3	5851.28	76.84	78.20	-1.36	68.55	6.95	34.51	33.17	202	6	Peak	VERTICAL
4	5863.14	71.53	74.00	-2.47	63.22	6.97	34.52	33.18	202	6	Peak	VERTICAL
5	5902.56	51.17	54.00	-2.83	42.83	6.99	34.54	33.19	202	6	Average	VERTICAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 38

	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	5143.37	49.19	54.00	-4.81	42.33	6.17	33.74	33.05	215	335	Average	HORIZONTAL
2	5149.14	72.96	74.00	-1.04	66.06	6.21	33.74	33.05	215	335	Peak	HORIZONTAL
3	5205.39	111.78			104.74	6.27	33.82	33.05	215	335	Peak	HORIZONTAL
4	5207.31	101.38			94.34	6.27	33.82	33.05	215	335	Average	HORIZONTAL

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

Channel 46

	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	5147.31	66.91	74.00	-7.09	60.01	6.21	33.74	33.05	185	311	Peak	HORIZONTAL
2	5148.75	52.76	54.00	-1.24	45.86	6.21	33.74	33.05	185	311	Average	HORIZONTAL
3	5212.69	105.99			98.92	6.27	33.85	33.05	185	311	Average	HORIZONTAL
4	5212.69	114.77			107.70	6.27	33.85	33.05	185	311	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015 ~ Aug. 03, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 54

	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	5137.79	52.65	54.00	-1.35	45.82	6.17	33.71	33.05	140	351	Average	HORIZONTAL
2	5137.79	63.84	74.00	-10.16	57.01	6.17	33.71	33.05	140	351	Peak	HORIZONTAL
3	5257.98	109.50			102.32	6.34	33.90	33.06	140	351	Average	HORIZONTAL
4	5257.98	118.54			111.36	6.34	33.90	33.06	140	351	Peak	HORIZONTAL
5	5356.54	67.29	74.00	-6.71	59.82	6.47	34.06	33.06	140	351	Peak	HORIZONTAL
6	5376.73	51.82	54.00	-2.18	44.29	6.50	34.09	33.06	140	351	Average	HORIZONTAL

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

Channel 62

	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	5294.62	102.46			95.17	6.37	33.98	33.06	149	357	Average	HORIZONTAL
2	5299.10	111.28			103.96	6.40	33.98	33.06	149	357	Peak	HORIZONTAL
3	5350.00	52.61	54.00	-1.39	45.14	6.47	34.06	33.06	149	357	Average	HORIZONTAL
4	5356.80	68.56	74.00	-5.44	61.09	6.47	34.06	33.06	149	357	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015 ~ Aug. 03, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 102

	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	5447.18	50.52	54.00	-3.48	42.80	6.56	34.22	33.06	129	354 Average	HORIZONTAL
2	5457.44	63.05	74.00	-10.95	55.29	6.60	34.22	33.06	129	354 Peak	HORIZONTAL
3	5463.85	66.45	68.20	-1.75	58.66	6.60	34.25	33.06	129	354 Peak	HORIZONTAL
4	5522.18	105.77			97.88	6.65	34.31	33.07	129	354 Average	HORIZONTAL
5	5524.10	114.31			106.42	6.65	34.31	33.07	129	354 Peak	HORIZONTAL

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

Channel 110

	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	5452.40	52.83	54.00	-1.17	45.07	6.60	34.22	33.06	207	350 Average	HORIZONTAL
2	5455.77	66.84	74.00	-7.16	59.08	6.60	34.22	33.06	207	350 Peak	HORIZONTAL
3	5465.19	51.48	54.00	-2.52	43.69	6.60	34.25	33.06	207	350 Average	HORIZONTAL
4	5468.27	67.73	74.00	-6.27	59.94	6.60	34.25	33.06	207	350 Peak	HORIZONTAL
5	5532.69	104.83			96.91	6.68	34.32	33.08	207	350 Average	HORIZONTAL
6	5532.69	114.21			106.29	6.68	34.32	33.08	207	350 Peak	HORIZONTAL

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

Channel 134

	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	5656.54	106.04			97.98	6.79	34.39	33.12	135	329 Average	HORIZONTAL
2	5657.02	116.96			108.90	6.79	34.39	33.12	135	329 Peak	HORIZONTAL
3	5731.54	67.07	68.20	-1.13	58.92	6.86	34.43	33.14	135	329 Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 151

	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	5714.30	52.61	54.00	-1.39	44.49	6.83	34.42	33.13	150	351	Average	HORIZONTAL
2	5714.30	71.73	74.00	-2.27	63.61	6.83	34.42	33.13	150	351	Peak	HORIZONTAL
3	5721.67	75.00	78.20	-3.20	66.87	6.83	34.43	33.13	150	351	Peak	HORIZONTAL
4	5767.18	110.04			101.85	6.88	34.46	33.15	150	351	Peak	HORIZONTAL
5	5772.95	100.95			92.75	6.88	34.47	33.15	150	351	Average	HORIZONTAL

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

Channel 159

	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	5697.24	52.97	54.00	-1.03	44.87	6.81	34.41	33.12	124	357	Average	HORIZONTAL
2	5697.24	63.73	74.00	-10.27	55.63	6.81	34.41	33.12	124	357	Peak	HORIZONTAL
3	5720.00	64.85	78.20	-13.35	56.72	6.83	34.43	33.13	124	357	Peak	HORIZONTAL
4	5777.69	104.34			96.14	6.88	34.47	33.15	124	357	Average	HORIZONTAL
5	5782.50	113.18			104.97	6.90	34.47	33.16	124	357	Peak	HORIZONTAL
6	5852.05	72.70	78.20	-5.50	64.41	6.95	34.51	33.17	124	357	Peak	HORIZONTAL
7	5860.00	52.46	54.00	-1.54	44.15	6.97	34.52	33.18	124	357	Average	HORIZONTAL
8	5865.19	66.20	74.00	-7.80	57.89	6.97	34.52	33.18	124	357	Peak	HORIZONTAL

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

Temperature	23°C	Humidity	61%
Test Engineer	Paul Chen	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2
Test Date	Jul. 29, 2015		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

Channel 42

	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	5149.10	72.61	74.00	-1.39	65.71	6.21	33.74	33.05	180	339 Peak	HORIZONTAL
2	5150.00	52.99	54.00	-1.01	46.09	6.21	33.74	33.05	180	339 Average	HORIZONTAL
3	5202.79	99.92			92.88	6.27	33.82	33.05	180	339 Average	HORIZONTAL
4	5203.59	108.98			101.94	6.27	33.82	33.05	180	339 Peak	HORIZONTAL
5	5350.80	60.50	74.00	-13.50	53.03	6.47	34.06	33.06	180	339 Peak	HORIZONTAL
6	5363.85	47.14	54.00	-6.86	39.64	6.47	34.09	33.06	180	339 Average	HORIZONTAL

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

Channel 58

	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	5057.63	58.45	74.00	-15.55	51.81	6.08	33.61	33.05	141	351 Peak	HORIZONTAL
2	5133.75	47.26	54.00	-6.74	40.43	6.17	33.71	33.05	141	351 Average	HORIZONTAL
3	5287.60	99.97			92.71	6.37	33.95	33.06	141	351 Average	HORIZONTAL
4	5293.21	109.59			102.30	6.37	33.98	33.06	141	351 Peak	HORIZONTAL
5	5351.70	52.59	54.00	-1.41	45.12	6.47	34.06	33.06	141	351 Average	HORIZONTAL
6	5354.10	68.20	74.00	-5.80	60.73	6.47	34.06	33.06	141	351 Peak	HORIZONTAL

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