4.6. Radiated Emissions Measurement

4.6.1. Limit

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

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

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

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

4.6.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 10Hz for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for peak

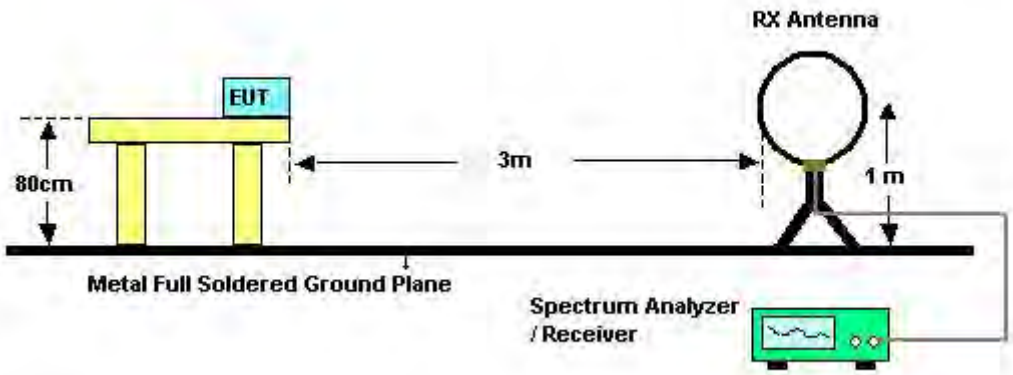
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

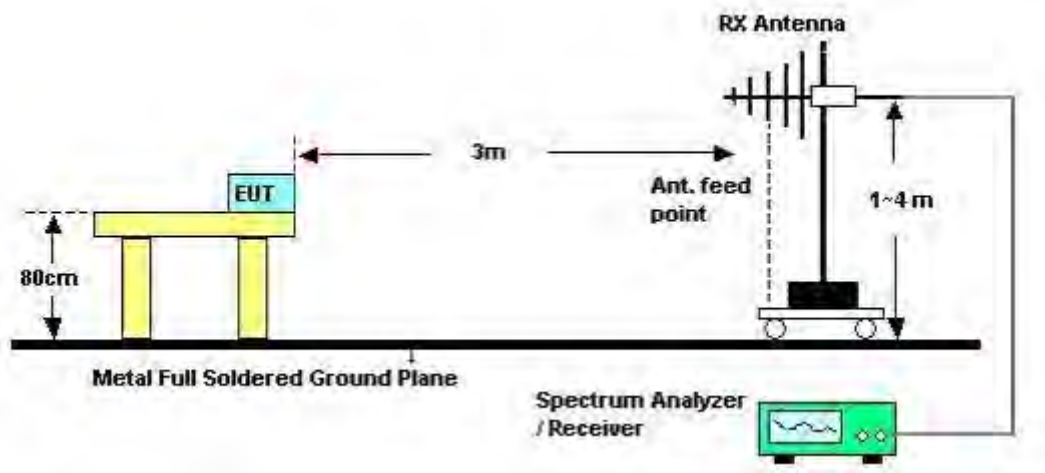
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
8. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
9. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

4.6.4. Test Setup Layout

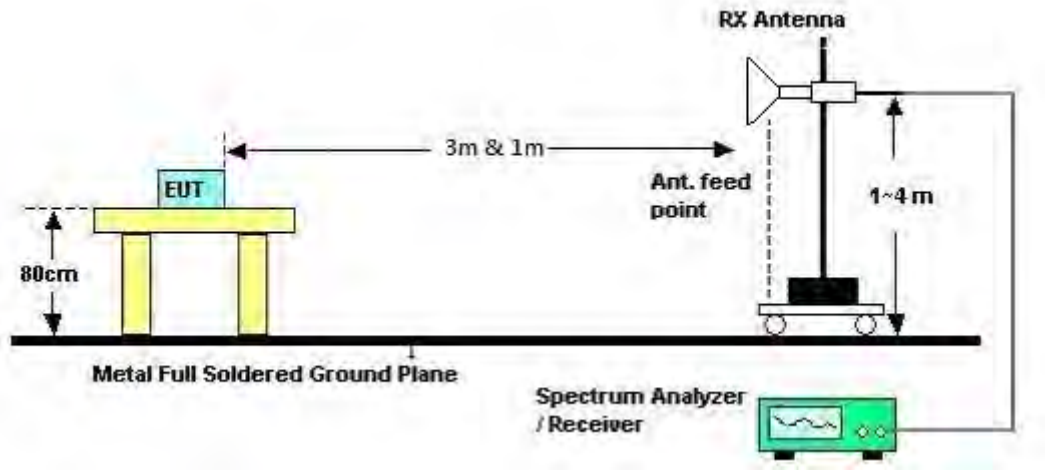
For Radiated Emissions: 9kHz ~30MHz



For Radiated Emissions: 30MHz~1GHz



For Radiated Emissions: Above 1GHz



4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

For STBC mode:

The EUT was programmed to be in continuously transmitting mode.

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	Normal Link
Test Date	Apr. 26, 2014	Test Mode	Mode 1

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

Note:

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

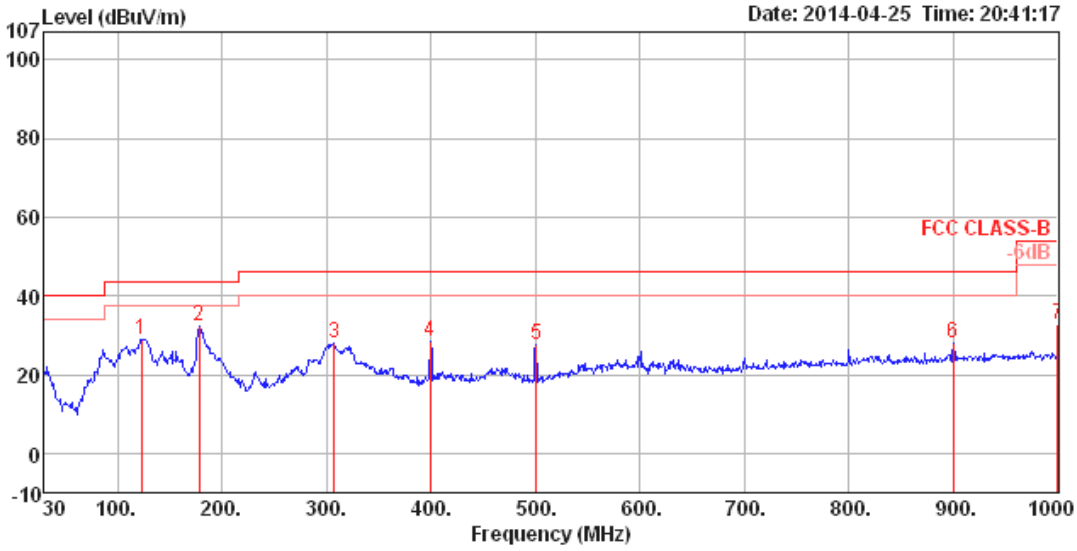
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

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

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

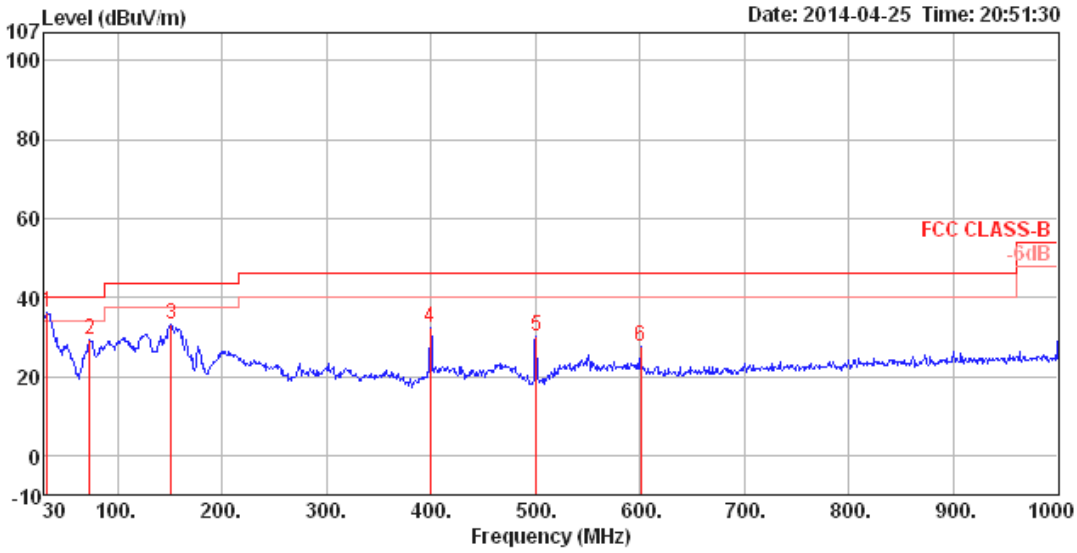
Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	Normal Link
Test Mode	Mode 1		

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	123.12	28.90	43.50	-14.60	47.48	1.31	11.67	31.56	150	193	HORIZONTAL	Peak
2	178.41	32.45	43.50	-11.05	53.88	1.60	8.49	31.52	125	148	HORIZONTAL	Peak
3	307.42	27.78	46.00	-18.22	43.73	2.14	13.30	31.39	100	166	HORIZONTAL	Peak
4	399.57	28.52	46.00	-17.48	41.63	2.49	15.86	31.46	200	237	HORIZONTAL	Peak
5	500.45	27.70	46.00	-18.30	39.37	2.82	16.92	31.41	200	104	HORIZONTAL	Peak
6	900.09	28.00	46.00	-18.00	34.60	3.97	20.64	31.21	125	308	HORIZONTAL	Peak
7	1000.00	32.88	54.00	-21.12	38.41	4.21	21.44	31.18	150	238	HORIZONTAL	Peak

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	32.91	36.15	40.00	-3.85	50.96	0.67	16.37	31.85	100	159	VERTICAL	Peak
2	73.65	29.25	40.00	-10.75	54.13	1.02	5.80	31.70	200	219	VERTICAL	Peak
3	151.25	33.26	43.50	-10.24	53.44	1.48	9.90	31.56	100	316	VERTICAL	Peak
4	399.57	32.40	46.00	-13.60	45.51	2.49	15.86	31.46	200	18	VERTICAL	Peak
5	500.45	30.06	46.00	-15.94	41.73	2.82	16.92	31.41	125	196	VERTICAL	Peak
6	600.36	27.64	46.00	-18.36	37.31	3.12	18.45	31.24	100	106	VERTICAL	Peak

Note:

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

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

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

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

<For Non-Beamforming Mode>

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.92	51.91	74.00	-22.09	42.50	6.13	38.45	35.17	Peak	100	148	HORIZONTAL
2	15541.75	39.33	54.00	-14.67	29.92	6.13	38.45	35.17	Average	100	148	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15541.35	40.04	54.00	-13.96	30.63	6.13	38.45	35.17	Average	100	41	VERTICAL
2	15541.75	54.24	74.00	-19.76	44.83	6.13	38.45	35.17	Peak	100	41	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.59	51.02	54.00	-2.98	41.71	6.13	38.36	35.18	Average	106	291	HORIZONTAL
2	15604.70	65.82	74.00	-8.18	56.52	6.13	38.36	35.19	Peak	106	291	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.14	51.20	54.00	-2.80	41.90	6.13	38.36	35.19	Average	155	246	VERTICAL
2	15600.83	65.25	74.00	-8.75	55.95	6.13	38.36	35.19	Peak	155	246	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.64	49.94	54.00	-4.06	40.82	6.14	38.19	35.21	Average	130	292	HORIZONTAL
2	15723.61	64.82	74.00	-9.18	55.70	6.14	38.19	35.21	Peak	130	292	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.53	48.86	54.00	-5.14	39.74	6.14	38.19	35.21	Average	131	121	VERTICAL
2	15722.96	61.76	74.00	-12.24	52.64	6.14	38.19	35.21	Peak	131	121	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11491.40	40.06	54.00	-13.94	26.40	9.24	39.50	35.08	Average	100	40	HORIZONTAL
2	11491.60	51.21	74.00	-22.79	37.55	9.24	39.50	35.08	Peak	100	40	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11485.84	39.93	54.00	-14.07	26.27	9.24	39.50	35.08	Average	100	49	VERTICAL
2	11489.22	53.06	74.00	-20.94	39.40	9.24	39.50	35.08	Peak	100	49	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.84	55.14	74.00	-18.86	41.50	9.26	39.47	35.09	Peak	102	273	HORIZONTAL
2	11570.18	42.25	54.00	-11.75	28.61	9.26	39.47	35.09	Average	102	273	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.38	41.05	54.00	-12.95	27.40	9.26	39.48	35.09	Average	129	80	VERTICAL
2	11570.14	53.60	74.00	-20.40	39.96	9.26	39.47	35.09	Peak	129	80	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.74	53.48	74.00	-20.52	39.84	9.26	39.47	35.09	Peak	161	344	HORIZONTAL
2	11573.38	40.94	54.00	-13.06	27.29	9.26	39.47	35.08	Average	161	344	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11566.24	40.76	54.00	-13.24	27.11	9.26	39.48	35.09	Average	122	61	VERTICAL
2	11574.26	53.77	74.00	-20.23	40.12	9.26	39.47	35.08	Peak	122	61	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.37	39.04	54.00	-14.96	29.68	6.13	38.40	35.17	Average	100	217	HORIZONTAL
2	15570.14	51.74	74.00	-22.26	42.38	6.13	38.40	35.17	Peak	100	217	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.50	39.17	54.00	-14.83	29.81	6.13	38.40	35.17	Average	100	146	VERTICAL
2	15572.18	51.88	74.00	-22.12	42.52	6.13	38.40	35.17	Peak	100	146	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15688.78	39.09	54.00	-14.91	29.93	6.14	38.23	35.21	Average	100	86	HORIZONTAL
2	15693.53	52.05	74.00	-21.95	42.89	6.14	38.23	35.21	Peak	100	86	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15692.37	40.60	54.00	-13.40	31.44	6.14	38.23	35.21	Average	141	38	VERTICAL
2	15692.79	52.63	74.00	-21.37	43.47	6.14	38.23	35.21	Peak	141	38	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11505.64	40.28	54.00	-13.72	26.63	9.25	39.50	35.10	Average	100	137	HORIZONTAL
2	11514.12	53.15	74.00	-20.85	39.50	9.25	39.50	35.10	Peak	100	137	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11505.18	40.21	54.00	-13.79	26.56	9.25	39.50	35.10	Average	100	89	VERTICAL
2	11514.28	52.91	74.00	-21.09	39.26	9.25	39.50	35.10	Peak	100	89	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.92	41.42	54.00	-12.58	27.76	9.27	39.47	35.08	Average	100	307	HORIZONTAL
2	11590.06	54.84	74.00	-19.16	41.18	9.27	39.47	35.08	Peak	100	307	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11587.46	54.72	74.00	-19.28	41.06	9.27	39.47	35.08	Peak	100	33	VERTICAL
2	11593.00	41.45	54.00	-12.55	27.79	9.27	39.47	35.08	Average	100	33	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15625.64	38.55	54.00	-15.45	29.27	6.14	38.33	35.19	Average	100	95	HORIZONTAL
2	15627.24	51.56	74.00	-22.44	42.28	6.14	38.33	35.19	Peak	100	95	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15620.80	39.12	54.00	-14.88	29.85	6.13	38.33	35.19	Average	100	26	VERTICAL
2	15629.94	50.06	74.00	-23.94	40.80	6.14	38.31	35.19	Peak	100	26	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11551.02	40.98	54.00	-13.02	27.33	9.26	39.48	35.09	Average	100	131	HORIZONTAL
2	11552.30	53.69	74.00	-20.31	40.04	9.26	39.48	35.09	Peak	100	131	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11546.66	54.06	74.00	-19.94	40.40	9.26	39.49	35.09	Peak	100	240	VERTICAL
2	11550.56	41.08	54.00	-12.92	27.43	9.26	39.48	35.09	Average	100	240	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.46	43.57	54.00	-10.43	30.24	10.77	38.15	35.59	Average	100	113	HORIZONTAL
2	15540.60	57.90	74.00	-16.10	44.60	10.77	38.12	35.59	Peak	100	113	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.52	43.43	54.00	-10.57	30.10	10.77	38.15	35.59	Average	100	146	VERTICAL
2	15540.62	56.87	74.00	-17.13	43.57	10.77	38.12	35.59	Peak	100	146	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.50	49.50	54.00	-4.50	36.26	10.78	38.04	35.58	Average	100	246	HORIZONTAL
2	15598.86	64.37	74.00	-9.63	51.13	10.78	38.04	35.58	Peak	100	246	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.42	48.31	54.00	-5.69	35.07	10.78	38.04	35.58	Average	129	59	VERTICAL
2	15597.72	63.00	74.00	-11.00	49.76	10.78	38.04	35.58	Peak	129	59	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15723.12	66.11	74.00	-7.89	53.03	10.79	37.85	35.56	Peak	100	246	HORIZONTAL
2	15723.32	51.39	54.00	-2.61	38.31	10.79	37.85	35.56	Average	100	246	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.30	48.33	54.00	-5.67	35.25	10.79	37.85	35.56	Average	100	21	VERTICAL
2	15722.26	61.96	74.00	-12.04	48.88	10.79	37.85	35.56	Peak	100	21	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11491.78	40.24	54.00	-13.76	26.58	9.24	39.50	35.08	Average	100	275	HORIZONTAL
2	11494.56	53.04	74.00	-20.96	39.38	9.24	39.50	35.08	Peak	100	275	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11485.62	40.32	54.00	-13.68	26.66	9.24	39.50	35.08	Average	100	4	VERTICAL
2	11486.80	53.20	74.00	-20.80	39.54	9.24	39.50	35.08	Peak	100	4	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.48	42.25	54.00	-11.75	28.61	9.26	39.47	35.09	Average	100	210	HORIZONTAL
2	11574.98	54.99	74.00	-19.01	41.34	9.26	39.47	35.08	Peak	100	210	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11566.90	41.66	54.00	-12.34	28.01	9.26	39.48	35.09	Average	100	11	VERTICAL
2	11573.26	54.16	74.00	-19.84	40.51	9.26	39.47	35.08	Peak	100	11	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11646.12	41.93	54.00	-12.07	28.28	9.28	39.44	35.07	Average	100	172	HORIZONTAL
2	11654.72	54.61	74.00	-19.39	40.96	9.28	39.44	35.07	Peak	100	172	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.82	41.78	54.00	-12.22	28.13	9.28	39.44	35.07	Average	100	52	VERTICAL
2	11649.98	54.45	74.00	-19.55	40.80	9.28	39.44	35.07	Peak	100	52	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.68	55.69	74.00	-18.31	42.40	10.78	38.09	35.58	Peak	100	113	HORIZONTAL
2	15570.36	43.96	54.00	-10.04	30.67	10.78	38.09	35.58	Average	100	113	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15568.90	56.82	74.00	-17.18	43.53	10.78	38.09	35.58	Peak	100	162	VERTICAL
2	15569.66	44.06	54.00	-9.94	30.77	10.78	38.09	35.58	Average	100	162	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.78	47.00	54.00	-7.00	33.86	10.79	37.91	35.56	Average	100	163	HORIZONTAL
2	15690.96	58.12	74.00	-15.88	44.98	10.79	37.91	35.56	Peak	100	163	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15693.72	46.87	54.00	-7.13	33.76	10.79	37.88	35.56	Average	100	163	VERTICAL
2	15694.56	57.71	74.00	-16.29	44.60	10.79	37.88	35.56	Peak	100	163	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11505.00	40.27	54.00	-13.73	26.62	9.25	39.50	35.10	Average	100	184	HORIZONTAL
2	11506.46	53.41	74.00	-20.59	39.76	9.25	39.50	35.10	Peak	100	184	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.04	53.35	74.00	-20.65	39.70	9.25	39.50	35.10	Peak	100	185	VERTICAL
2	11509.88	39.92	54.00	-14.08	26.27	9.25	39.50	35.10	Average	100	185	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11586.58	54.08	74.00	-19.92	40.42	9.27	39.47	35.08	Peak	100	285	HORIZONTAL
2	11590.02	41.68	54.00	-12.32	28.02	9.27	39.47	35.08	Average	100	285	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11586.58	41.20	54.00	-12.80	27.54	9.27	39.47	35.08	Average	100	121	VERTICAL
2	11590.38	54.30	74.00	-19.70	40.64	9.27	39.47	35.08	Peak	100	121	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15625.06	51.96	74.00	-22.04	38.76	10.78	37.99	35.57	Peak	100	159	HORIZONTAL
2	15634.86	44.65	54.00	-9.35	31.45	10.78	37.99	35.57	Average	100	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.04	44.75	54.00	-9.25	31.55	10.78	37.99	35.57	Average	100	147	VERTICAL
2	15631.58	51.61	74.00	-22.39	38.41	10.78	37.99	35.57	Peak	100	147	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11527.72	54.15	74.00	-19.85	40.50	9.25	39.49	35.09	Peak	100	89	HORIZONTAL
2	11533.84	40.59	54.00	-13.41	26.93	9.26	39.49	35.09	Average	100	89	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11534.74	54.53	74.00	-19.47	40.87	9.26	39.49	35.09	Peak	100	110	VERTICAL
2	11543.55	40.97	54.00	-13.03	27.31	9.26	39.49	35.09	Average	100	110	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15539.20	44.74	54.00	-9.26	32.94	7.85	38.67	34.72	Average	352	100	HORIZONTAL
2	15541.08	58.51	74.00	-15.49	46.71	7.85	38.67	34.72	Peak	352	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15534.64	57.70	74.00	-16.30	45.90	7.85	38.67	34.72	Peak	1	100	VERTICAL
2	15549.36	44.28	54.00	-9.72	32.50	7.86	38.66	34.74	Average	1	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15601.56	47.33	54.00	-6.67	35.62	7.88	38.62	34.79	Average	356	100	HORIZONTAL
2	15601.96	62.96	74.00	-11.04	51.25	7.88	38.62	34.79	Peak	356	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15602.36	45.85	54.00	-8.15	34.14	7.88	38.62	34.79	Average	225	100	VERTICAL
2	15606.60	61.10	74.00	-12.90	49.39	7.88	38.62	34.79	Peak	225	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15718.16	46.93	54.00	-7.07	35.37	7.92	38.52	34.88	Average	39	106	HORIZONTAL
2	15723.56	62.14	74.00	-11.86	50.58	7.92	38.52	34.88	Peak	39	106	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15712.84	61.11	74.00	-12.89	49.55	7.91	38.53	34.88	Peak	225	148	VERTICAL
2	15717.92	45.81	54.00	-8.19	34.25	7.92	38.52	34.88	Average	225	148	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11492.48	39.82	54.00	-14.18	29.44	6.74	38.30	34.66	Average	231	100	HORIZONTAL
2	11496.28	53.63	74.00	-20.37	43.25	6.74	38.30	34.66	Peak	231	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11481.96	39.15	54.00	-14.85	28.77	6.74	38.30	34.66	Average	48	100	VERTICAL
2	11499.60	54.02	74.00	-19.98	43.63	6.75	38.30	34.66	Peak	48	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11568.44	43.34	54.00	-10.66	32.92	6.77	38.33	34.68	Average	232	110	HORIZONTAL
2	11568.84	57.86	74.00	-16.14	47.44	6.77	38.33	34.68	Peak	232	110	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11574.16	42.42	54.00	-11.58	32.01	6.77	38.33	34.69	Average	201	100	VERTICAL
2	11574.24	56.64	74.00	-17.36	46.23	6.77	38.33	34.69	Peak	201	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11649.68	40.73	54.00	-13.27	30.29	6.80	38.36	34.72	Average	230	117	HORIZONTAL
2	11649.92	54.74	74.00	-19.26	44.30	6.80	38.36	34.72	Peak	230	117	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11649.60	55.36	74.00	-18.64	44.92	6.80	38.36	34.72	Peak	203	129	VERTICAL
2	11649.88	40.73	54.00	-13.27	30.29	6.80	38.36	34.72	Average	203	129	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15560.20	44.18	54.00	-9.82	32.40	7.86	38.66	34.74	Average	110	100	HORIZONTAL
2	15560.64	56.92	74.00	-17.08	45.16	7.86	38.64	34.74	Peak	110	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15560.04	44.10	54.00	-9.90	32.32	7.86	38.66	34.74	Average	279	100	VERTICAL
2	15574.96	56.89	74.00	-17.11	45.16	7.86	38.64	34.77	Peak	279	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15691.32	58.46	74.00	-15.54	46.86	7.90	38.55	34.85	Peak	11	100	HORIZONTAL
2	15693.72	43.66	54.00	-10.34	32.06	7.90	38.55	34.85	Average	11	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15682.20	42.65	54.00	-11.35	31.05	7.90	38.55	34.85	Average	332	100	VERTICAL
2	15684.88	56.63	74.00	-17.37	45.03	7.90	38.55	34.85	Peak	332	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11512.24	53.40	74.00	-20.60	43.01	6.75	38.30	34.66	Peak	226	100	HORIZONTAL
2	11515.80	39.23	54.00	-14.77	28.82	6.76	38.31	34.66	Average	226	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11504.36	52.98	74.00	-21.02	42.59	6.75	38.30	34.66	Peak	340	100	VERTICAL
2	11507.40	38.95	54.00	-15.05	28.56	6.75	38.30	34.66	Average	340	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11592.04	39.48	54.00	-14.52	29.06	6.78	38.33	34.69	Average	228	100	HORIZONTAL
2	11596.64	53.01	74.00	-20.99	42.60	6.78	38.33	34.70	Peak	228	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11585.36	39.00	54.00	-15.00	28.58	6.78	38.33	34.69	Average	91	100	VERTICAL
2	11586.76	53.34	74.00	-20.66	42.92	6.78	38.33	34.69	Peak	91	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15636.84	56.51	74.00	-17.49	44.84	7.89	38.59	34.81	Peak	12	100	HORIZONTAL
2	15638.68	42.62	54.00	-11.38	30.95	7.89	38.59	34.81	Average	12	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15621.88	56.68	74.00	-17.32	44.99	7.88	38.60	34.79	Peak	217	100	VERTICAL
2	15638.08	42.58	54.00	-11.42	30.91	7.89	38.59	34.81	Average	217	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11548.84	53.19	74.00	-20.81	42.78	6.77	38.32	34.68	Peak	248	100	HORIZONTAL
2	11551.92	38.98	54.00	-15.02	28.57	6.77	38.32	34.68	Average	248	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11542.32	52.97	74.00	-21.03	42.57	6.76	38.31	34.67	Peak	100	100	VERTICAL
2	11554.40	39.04	54.00	-14.96	28.63	6.77	38.32	34.68	Average	100	100	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.19	39.23	54.00	-14.77	29.82	6.13	38.45	35.17	Average	100	251	HORIZONTAL
2	15542.80	53.13	74.00	-20.87	43.72	6.13	38.45	35.17	Peak	100	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.39	39.32	54.00	-14.68	29.91	6.13	38.45	35.17	Average	100	324	VERTICAL
2	15543.13	52.22	74.00	-21.78	42.81	6.13	38.45	35.17	Peak	100	324	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15603.25	45.46	54.00	-8.54	36.16	6.13	38.36	35.19	Average	100	27	HORIZONTAL
2	15603.75	59.23	74.00	-14.77	49.93	6.13	38.36	35.19	Peak	100	27	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.01	41.83	54.00	-12.17	32.53	6.13	38.36	35.19	Average	120	233	VERTICAL
2	15603.43	54.63	74.00	-19.37	45.33	6.13	38.36	35.19	Peak	120	233	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.88	50.46	54.00	-3.54	41.34	6.14	38.19	35.21	Average	125	1	HORIZONTAL
2	15720.67	64.73	74.00	-9.27	55.61	6.14	38.19	35.21	Peak	125	1	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.75	59.66	74.00	-14.34	50.54	6.14	38.19	35.21	Peak	101	131	VERTICAL
2	15718.99	45.46	54.00	-8.54	36.34	6.14	38.19	35.21	Average	101	131	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11484.10	43.13	54.00	-10.87	29.79	9.09	39.10	34.85	100	105	HORIZONTAL	Average
2	11485.64	55.11	74.00	-18.89	41.77	9.09	39.10	34.85	100	105	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11492.52	54.88	74.00	-19.12	41.54	9.09	39.10	34.85	100	0	VERTICAL	Peak
2	11498.18	43.27	54.00	-10.73	29.92	9.10	39.10	34.85	100	0	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11562.88	54.70	74.00	-19.30	41.43	9.11	39.01	34.85	100	196	HORIZONTAL	Peak
2	11566.28	43.24	54.00	-10.76	29.97	9.11	39.01	34.85	100	196	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11577.90	54.17	74.00	-19.83	40.90	9.11	39.01	34.85	100	141	VERTICAL	Peak
2	11578.02	44.25	54.00	-9.75	30.98	9.11	39.01	34.85	100	141	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.56	42.97	54.00	-11.03	29.78	9.11	38.93	34.85	100	278	HORIZONTAL	Average
2	11650.14	55.71	74.00	-18.29	42.52	9.11	38.93	34.85	100	278	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.63	54.86	74.00	-19.14	41.67	9.11	38.93	34.85	100	240	VERTICAL	Peak
2	11649.88	43.11	54.00	-10.89	29.92	9.11	38.93	34.85	100	240	VERTICAL	Average

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15446.15	39.25	54.00	-14.75	29.51	6.09	38.75	35.10	Average	112	98	HORIZONTAL
2	15447.85	52.39	74.00	-21.61	42.65	6.09	38.75	35.10	Peak	112	98	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15449.52	39.14	54.00	-14.86	29.40	6.09	38.75	35.10	Average	101	211	VERTICAL
2	15453.85	52.10	74.00	-21.90	42.36	6.09	38.75	35.10	Peak	101	211	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15692.52	44.63	54.00	-9.37	35.47	6.14	38.23	35.21	Average	126	360	HORIZONTAL
2	15693.88	57.74	74.00	-16.26	48.58	6.14	38.23	35.21	Peak	126	360	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15693.77	52.98	74.00	-21.02	43.82	6.14	38.23	35.21	Peak	101	124	VERTICAL
2	15693.88	40.12	54.00	-13.88	30.96	6.14	38.23	35.21	Average	101	124	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11509.58	55.04	74.00	-18.96	41.69	9.10	39.10	34.85	100	147	HORIZONTAL	Peak
2	11511.86	42.57	54.00	-11.43	29.22	9.10	39.10	34.85	100	147	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11508.50	42.58	54.00	-11.42	29.23	9.10	39.10	34.85	100	252	VERTICAL	Average
2	11512.09	54.53	74.00	-19.47	41.18	9.10	39.10	34.85	100	252	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11591.74	42.46	54.00	-11.54	29.23	9.11	38.97	34.85	100	205	HORIZONTAL	Average
2	11592.04	54.82	74.00	-19.18	41.59	9.11	38.97	34.85	100	205	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11591.30	54.39	74.00	-19.61	41.16	9.11	38.97	34.85	100	137	VERTICAL	Peak
2	11592.33	42.53	54.00	-11.47	29.30	9.11	38.97	34.85	100	137	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15633.89	52.65	74.00	-21.35	43.39	6.14	38.31	35.19	Peak	101	91	HORIZONTAL
2	15634.34	38.72	54.00	-15.28	29.46	6.14	38.31	35.19	Average	101	91	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15630.95	39.02	54.00	-14.98	29.76	6.14	38.31	35.19	Average	101	17	VERTICAL
2	15633.16	51.72	74.00	-22.28	42.46	6.14	38.31	35.19	Peak	101	17	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11547.88	42.46	54.00	-11.54	29.15	9.10	39.06	34.85	100	292	HORIZONTAL	Average
2	11549.31	54.40	74.00	-19.60	41.09	9.10	39.06	34.85	100	292	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11548.95	55.24	74.00	-18.76	41.93	9.10	39.06	34.85	100	315	VERTICAL	Peak
2	11552.05	42.67	54.00	-11.33	29.41	9.10	39.01	34.85	100	315	VERTICAL	Average

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.35	38.90	54.00	-15.10	29.49	6.13	38.45	35.17	Average	100	254	HORIZONTAL
2	15537.21	52.77	74.00	-21.23	43.36	6.13	38.45	35.17	Peak	100	254	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15538.73	38.65	54.00	-15.35	29.24	6.13	38.45	35.17	Average	100	159	VERTICAL
2	15540.75	52.14	74.00	-21.86	42.73	6.13	38.45	35.17	Peak	100	159	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.73	56.69	74.00	-17.31	47.39	6.13	38.36	35.19	Peak	100	360	HORIZONTAL
2	15600.11	41.67	54.00	-12.33	32.37	6.13	38.36	35.19	Average	100	360	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.08	53.70	74.00	-20.30	44.39	6.13	38.36	35.18	Peak	100	235	VERTICAL
2	15603.49	40.31	54.00	-13.69	31.01	6.13	38.36	35.19	Average	100	235	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15715.08	60.30	74.00	-13.70	51.18	6.14	38.19	35.21	Peak	127	360	HORIZONTAL
2	15719.76	46.64	54.00	-7.36	37.52	6.14	38.19	35.21	Average	127	360	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.59	54.30	74.00	-19.70	45.18	6.14	38.19	35.21	Peak	100	115	VERTICAL
2	15716.84	43.03	54.00	-10.97	33.91	6.14	38.19	35.21	Average	100	115	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11484.10	44.13	54.00	-9.87	30.79	9.09	39.10	34.85	100	105	HORIZONTAL	Average
2	11485.64	55.11	74.00	-18.89	41.77	9.09	39.10	34.85	100	105	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11492.52	54.88	74.00	-19.12	41.54	9.09	39.10	34.85	100	0	VERTICAL	Peak
2	11498.18	44.27	54.00	-9.73	30.92	9.10	39.10	34.85	100	0	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11562.88	54.70	74.00	-19.30	41.43	9.11	39.01	34.85	100	196	HORIZONTAL	Peak
2	11566.28	44.24	54.00	-9.76	30.97	9.11	39.01	34.85	100	196	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11577.90	54.17	74.00	-19.83	40.90	9.11	39.01	34.85	100	141	VERTICAL	Peak
2	11578.02	45.25	54.00	-8.75	31.98	9.11	39.01	34.85	100	141	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.56	42.97	54.00	-11.03	29.78	9.11	38.93	34.85	100	278	HORIZONTAL	Average
2	11650.14	55.71	74.00	-18.29	42.52	9.11	38.93	34.85	100	278	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.63	54.86	74.00	-19.14	41.67	9.11	38.93	34.85	100	240	VERTICAL	Peak
2	11649.88	43.11	54.00	-10.89	29.92	9.11	38.93	34.85	100	240	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.24	52.12	74.00	-21.88	42.76	6.13	38.40	35.17	Peak	100	159	HORIZONTAL
2	15572.82	38.77	54.00	-15.23	29.41	6.13	38.40	35.17	Average	100	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15573.01	38.82	54.00	-15.18	29.46	6.13	38.40	35.17	Average	100	250	VERTICAL
2	15573.54	51.83	74.00	-22.17	42.48	6.13	38.40	35.18	Peak	100	250	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15688.80	51.90	74.00	-22.10	42.74	6.14	38.23	35.21	Peak	100	171	HORIZONTAL
2	15692.48	40.36	54.00	-13.64	31.20	6.14	38.23	35.21	Average	100	171	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.23	52.80	74.00	-21.20	43.64	6.14	38.23	35.21	Peak	100	272	VERTICAL
2	15689.81	39.49	54.00	-14.51	30.33	6.14	38.23	35.21	Average	100	272	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11509.58	55.04	74.00	-18.96	41.69	9.10	39.10	34.85	100	147	HORIZONTAL	Peak
2	11511.86	43.57	54.00	-10.43	30.22	9.10	39.10	34.85	100	147	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11508.50	43.58	54.00	-10.42	30.23	9.10	39.10	34.85	100	252	VERTICAL	Average
2	11512.09	54.53	74.00	-19.47	41.18	9.10	39.10	34.85	100	252	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11591.74	43.46	54.00	-10.54	30.23	9.11	38.97	34.85	100	205	HORIZONTAL	Average
2	11592.04	54.82	74.00	-19.18	41.59	9.11	38.97	34.85	100	205	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11591.30	54.39	74.00	-19.61	41.16	9.11	38.97	34.85	100	137	VERTICAL	Peak
2	11592.33	42.53	54.00	-11.47	29.30	9.11	38.97	34.85	100	137	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15628.40	51.60	74.00	-22.40	42.32	6.14	38.33	35.19	Peak	100	100	HORIZONTAL
2	15634.21	38.90	54.00	-15.10	29.64	6.14	38.31	35.19	Average	100	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15632.00	38.74	54.00	-15.26	29.48	6.14	38.31	35.19	Average	100	241	VERTICAL
2	15632.45	51.92	74.00	-22.08	42.66	6.14	38.31	35.19	Peak	100	241	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11547.88	42.46	54.00	-11.54	29.15	9.10	39.06	34.85	100	292	HORIZONTAL	Average
2	11549.31	54.40	74.00	-19.60	41.09	9.10	39.06	34.85	100	292	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11548.95	55.24	74.00	-18.76	41.93	9.10	39.06	34.85	100	315	VERTICAL	Peak
2	11552.05	43.27	54.00	-10.73	30.01	9.10	39.01	34.85	100	315	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15635.10	57.56	74.00	-16.44	43.08	10.36	38.75	34.63	100	36	HORIZONTAL	Peak
2	15651.70	46.11	54.00	-7.89	31.67	10.36	38.73	34.65	100	36	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15651.70	46.11	54.00	-7.89	31.67	10.36	38.73	34.65	100	226	VERTICAL	Average
2	15655.00	57.63	74.00	-16.37	43.20	10.36	38.73	34.66	100	226	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15684.14	56.82	74.00	-17.18	42.43	10.36	38.73	34.70	100	202	HORIZONTAL	Peak
2	15689.78	45.85	54.00	-8.15	31.46	10.36	38.73	34.70	100	202	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15684.98	45.67	54.00	-8.33	31.28	10.36	38.73	34.70	100	298	VERTICAL	Average
2	15698.52	56.22	74.00	-17.78	41.85	10.36	38.72	34.71	100	298	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15568.10	45.54	54.00	-8.46	30.95	10.37	38.77	34.55	100	360	HORIZONTAL	Average
2	15573.92	57.15	74.00	-16.85	42.57	10.37	38.77	34.56	100	360	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15568.10	56.73	74.00	-17.27	42.14	10.37	38.77	34.55	100	291	VERTICAL	Peak
2	15575.76	45.68	54.00	-8.32	31.11	10.36	38.77	34.56	100	291	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11447.58	42.34	54.00	-11.66	29.03	9.06	39.10	34.85	100	146	HORIZONTAL	Average
2	11450.45	54.77	74.00	-19.23	41.46	9.06	39.10	34.85	100	146	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11447.54	42.36	54.00	-11.64	29.05	9.06	39.10	34.85	100	126	VERTICAL	Average
2	11452.21	54.04	74.00	-19.96	40.73	9.06	39.10	34.85	100	126	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11571.09	42.45	54.00	-11.55	29.18	9.11	39.01	34.85	100	296	HORIZONTAL	Average
2	11571.85	55.04	74.00	-18.96	41.77	9.11	39.01	34.85	100	296	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.03	54.32	74.00	-19.68	41.05	9.11	39.01	34.85	100	279	VERTICAL	Peak
2	11572.09	42.20	54.00	-11.80	28.93	9.11	39.01	34.85	100	279	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11650.82	54.76	74.00	-19.24	41.61	9.11	38.89	34.85	100	226	HORIZONTAL	Peak
2	11650.83	43.24	54.00	-10.76	30.09	9.11	38.89	34.85	100	226	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11650.44	55.68	74.00	-18.32	42.49	9.11	38.93	34.85	100	238	VERTICAL	Peak
2	11651.75	42.12	54.00	-11.88	28.97	9.11	38.89	34.85	100	238	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15683.92	55.90	74.00	-18.10	41.50	10.36	38.73	34.69	100	327	HORIZONTAL	Peak
2	15686.68	45.83	54.00	-8.17	31.44	10.36	38.73	34.70	100	327	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15687.16	56.04	74.00	-17.96	41.65	10.36	38.73	34.70	100	260	VERTICAL	Peak
2	15697.50	45.29	54.00	-8.71	30.92	10.36	38.72	34.71	100	260	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15593.12	57.48	74.00	-16.52	42.93	10.36	38.77	34.58	100	126	HORIZONTAL	Peak
2	15601.94	46.37	54.00	-7.63	31.85	10.36	38.75	34.59	100	126	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15594.04	56.89	74.00	-17.11	42.34	10.36	38.77	34.58	100	67	VERTICAL	Peak
2	15600.00	45.81	54.00	-8.19	31.27	10.36	38.77	34.59	100	67	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11508.62	55.67	74.00	-18.33	42.32	9.10	39.10	34.85	100	287	HORIZONTAL	Peak
2	11509.54	42.95	54.00	-11.05	29.60	9.10	39.10	34.85	100	287	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11508.31	54.33	74.00	-19.67	40.98	9.10	39.10	34.85	100	270	VERTICAL	Peak
2	11510.42	42.88	54.00	-11.12	29.53	9.10	39.10	34.85	100	270	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11588.29	54.85	74.00	-19.15	41.62	9.11	38.97	34.85	100	241	HORIZONTAL	Peak
2	11592.02	42.85	54.00	-11.15	29.62	9.11	38.97	34.85	100	241	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11588.13	42.82	54.00	-11.18	29.59	9.11	38.97	34.85	100	201	VERTICAL	Average
2	11588.53	54.29	74.00	-19.71	41.06	9.11	38.97	34.85	100	201	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15538.46	56.98	74.00	-17.02	42.34	10.37	38.78	34.51	100	230	HORIZONTAL	Peak
2	15540.46	45.77	54.00	-8.23	31.14	10.37	38.78	34.52	100	230	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15531.06	45.93	54.00	-8.07	31.28	10.37	38.78	34.50	100	315	VERTICAL	Average
2	15540.62	56.91	74.00	-17.09	42.28	10.37	38.78	34.52	100	315	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11547.77	54.67	74.00	-19.33	41.36	9.10	39.06	34.85	100	154	HORIZONTAL	Peak
2	11551.51	43.00	54.00	-11.00	29.74	9.10	39.01	34.85	100	154	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11548.54	54.58	74.00	-19.42	41.27	9.10	39.06	34.85	100	202	VERTICAL	Peak
2	11550.24	43.05	54.00	-10.95	29.79	9.10	39.01	34.85	100	202	VERTICAL	Average

Note:

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

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

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

<For Beamforming Mode>

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15545.32	45.25	54.00	-8.75	31.94	10.78	38.12	35.59	Average	100	147	HORIZONTAL
2	15549.96	57.41	74.00	-16.59	44.10	10.78	38.12	35.59	Peak	100	147	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15532.24	58.45	74.00	-15.55	45.12	10.77	38.15	35.59	Peak	100	253	VERTICAL
2	15539.88	44.52	54.00	-9.48	31.22	10.77	38.12	35.59	Average	100	253	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15500.80	56.92	74.00	-17.08	43.55	10.77	38.20	35.60	Peak	100	102	HORIZONTAL
2	15522.40	44.89	54.00	-9.11	31.56	10.77	38.15	35.59	Average	100	102	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15524.00	44.71	54.00	-9.29	31.38	10.77	38.15	35.59	Average	100	251	VERTICAL
2	15697.60	57.01	74.00	-16.99	43.90	10.79	37.88	35.56	Peak	100	251	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.90	45.92	54.00	-8.08	32.84	10.79	37.85	35.56	Average	100	4	HORIZONTAL
2	15721.54	56.96	74.00	-17.04	43.88	10.79	37.85	35.56	Peak	100	4	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.50	56.57	74.00	-17.43	43.49	10.79	37.85	35.56	Peak	100	259	VERTICAL
2	15721.12	44.68	54.00	-9.32	31.60	10.79	37.85	35.56	Average	100	259	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11486.10	40.50	54.00	-13.50	26.84	9.24	39.50	35.08	Average	100	102	HORIZONTAL
2	11492.36	53.00	74.00	-21.00	39.34	9.24	39.50	35.08	Peak	100	102	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11486.04	40.65	54.00	-13.35	26.99	9.24	39.50	35.08	Average	100	246	VERTICAL
2	11489.02	53.66	74.00	-20.34	40.00	9.24	39.50	35.08	Peak	100	246	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.42	41.42	54.00	-12.58	27.78	9.26	39.47	35.09	Average	100	124	HORIZONTAL
2	11573.72	54.14	74.00	-19.86	40.49	9.26	39.47	35.08	Peak	100	124	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.04	54.17	74.00	-19.83	40.53	9.26	39.47	35.09	Peak	100	214	VERTICAL
2	11573.22	41.39	54.00	-12.61	27.74	9.26	39.47	35.08	Average	100	214	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11646.08	42.47	54.00	-11.53	28.82	9.28	39.44	35.07	Average	100	67	HORIZONTAL
2	11647.22	55.69	74.00	-18.31	42.04	9.28	39.44	35.07	Peak	100	67	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.56	42.61	54.00	-11.39	28.96	9.28	39.44	35.07	Average	100	269	VERTICAL
2	11651.40	56.14	74.00	-17.86	42.49	9.28	39.44	35.07	Peak	100	269	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15566.86	44.62	54.00	-9.38	31.33	10.78	38.09	35.58	Average	100	164	HORIZONTAL
2	15571.54	57.92	74.00	-16.08	44.63	10.78	38.09	35.58	Peak	100	164	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.64	57.36	74.00	-16.64	44.07	10.78	38.09	35.58	Peak	100	291	VERTICAL
2	15567.72	44.58	54.00	-9.42	31.29	10.78	38.09	35.58	Average	100	291	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15686.00	43.48	54.00	-10.52	30.34	10.79	37.91	35.56	Average	100	120	HORIZONTAL
2	15691.12	56.82	74.00	-17.18	43.71	10.79	37.88	35.56	Peak	100	120	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15694.72	56.91	74.00	-17.09	43.80	10.79	37.88	35.56	Peak	100	282	VERTICAL
2	15694.76	43.87	54.00	-10.13	30.76	10.79	37.88	35.56	Average	103	282	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11505.44	40.65	54.00	-13.35	27.00	9.25	39.50	35.10	Average	100	9	HORIZONTAL
2	11507.20	53.68	74.00	-20.32	40.03	9.25	39.50	35.10	Peak	100	9	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11512.20	53.48	74.00	-20.52	39.83	9.25	39.50	35.10	Peak	100	281	VERTICAL
2	11513.56	40.32	54.00	-13.68	26.67	9.25	39.50	35.10	Average	100	281	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11580.16	54.94	74.00	-19.06	41.29	9.26	39.47	35.08	Peak	100	119	HORIZONTAL
2	11592.56	41.70	54.00	-12.30	28.04	9.27	39.47	35.08	Average	100	119	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11582.48	54.07	74.00	-19.93	40.42	9.26	39.47	35.08	Peak	100	238	VERTICAL
2	11592.96	41.81	54.00	-12.19	28.15	9.27	39.47	35.08	Average	100	238	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15631.14	44.07	54.00	-9.93	30.87	10.78	37.99	35.57	Average	100	125	HORIZONTAL
2	15633.12	56.68	74.00	-17.32	43.48	10.78	37.99	35.57	Peak	100	125	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.24	56.87	74.00	-17.13	43.67	10.78	37.99	35.57	Peak	100	278	VERTICAL
2	15632.78	44.16	54.00	-9.84	30.96	10.78	37.99	35.57	Average	100	278	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.68	41.16	54.00	-12.84	27.51	9.26	39.48	35.09	Average	100	120	HORIZONTAL
2	11553.92	53.86	74.00	-20.14	40.21	9.26	39.48	35.09	Peak	100	120	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11552.96	41.26	54.00	-12.74	27.61	9.26	39.48	35.09	Average	100	252	VERTICAL
2	11558.88	54.11	74.00	-19.89	40.46	9.26	39.48	35.09	Peak	100	252	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15539.34	56.95	74.00	-17.05	45.15	7.85	38.67	34.72	Peak	294	100	HORIZONTAL
2	15539.53	43.30	54.00	-10.70	31.50	7.85	38.67	34.72	Average	294	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15539.04	43.37	54.00	-10.63	31.57	7.85	38.67	34.72	Average	140	100	VERTICAL
2	15539.24	56.42	74.00	-17.58	44.62	7.85	38.67	34.72	Peak	140	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15600.21	43.04	54.00	-10.96	31.33	7.88	38.62	34.79	Average	89	100	HORIZONTAL
2	15600.36	56.90	74.00	-17.10	45.19	7.88	38.62	34.79	Peak	89	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15599.36	56.09	74.00	-17.91	44.38	7.88	38.62	34.79	Peak	177	100	VERTICAL
2	15599.70	43.53	54.00	-10.47	31.82	7.88	38.62	34.79	Average	177	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15719.53	43.21	54.00	-10.79	31.65	7.92	38.52	34.88	Average	320	100	HORIZONTAL
2	15719.87	56.25	74.00	-17.75	44.69	7.92	38.52	34.88	Peak	320	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15719.80	42.79	54.00	-11.21	31.23	7.92	38.52	34.88	Average	219	100	VERTICAL
2	15720.69	56.72	74.00	-17.28	45.16	7.92	38.52	34.88	Peak	219	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11490.00	52.92	74.00	-21.08	42.54	6.74	38.30	34.66	Peak	154	100	HORIZONTAL
2	11490.33	39.68	54.00	-14.32	29.30	6.74	38.30	34.66	Average	154	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11490.61	53.01	74.00	-20.99	42.63	6.74	38.30	34.66	Peak	247	100	VERTICAL
2	11490.79	39.59	54.00	-14.41	29.21	6.74	38.30	34.66	Average	247	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11569.70	52.95	74.00	-21.05	42.53	6.77	38.33	34.68	Peak	277	100	HORIZONTAL
2	11570.44	39.82	54.00	-14.18	29.41	6.77	38.33	34.69	Average	277	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11569.45	52.57	74.00	-21.43	42.15	6.77	38.33	34.68	Peak	189	100	VERTICAL
2	11570.70	40.41	54.00	-13.59	30.00	6.77	38.33	34.69	Average	189	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11649.74	53.43	74.00	-20.57	42.99	6.80	38.36	34.72	Peak	95	100	HORIZONTAL
2	11649.93	40.42	54.00	-13.58	29.98	6.80	38.36	34.72	Average	95	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11649.86	53.24	74.00	-20.76	42.80	6.80	38.36	34.72	Peak	210	100	VERTICAL
2	11650.59	40.36	54.00	-13.64	29.92	6.80	38.36	34.72	Average	210	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15569.55	43.19	54.00	-10.81	31.43	7.86	38.64	34.74	Average	196	100	HORIZONTAL
2	15570.23	56.77	74.00	-17.23	45.01	7.86	38.64	34.74	Peak	196	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15569.08	43.13	54.00	-10.87	31.37	7.86	38.64	34.74	Average	48	100	VERTICAL
2	15570.38	56.57	74.00	-17.43	44.81	7.86	38.64	34.74	Peak	48	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15690.02	43.74	54.00	-10.26	32.14	7.90	38.55	34.85	Average	248	100	HORIZONTAL
2	15690.58	56.53	74.00	-17.47	44.93	7.90	38.55	34.85	Peak	248	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15689.03	56.68	74.00	-17.32	45.08	7.90	38.55	34.85	Peak	146	100	VERTICAL
2	15689.15	43.20	54.00	-10.80	31.60	7.90	38.55	34.85	Average	146	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11509.25	39.56	54.00	-14.44	29.17	6.75	38.30	34.66	Average	142	100	HORIZONTAL
2	11510.78	52.85	74.00	-21.15	42.46	6.75	38.30	34.66	Peak	142	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11509.82	53.24	74.00	-20.76	42.85	6.75	38.30	34.66	Peak	62	100	VERTICAL
2	11510.65	39.67	54.00	-14.33	29.28	6.75	38.30	34.66	Average	62	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11589.40	39.68	54.00	-14.32	29.26	6.78	38.33	34.69	Average	231	100	HORIZONTAL
2	11589.70	52.40	74.00	-21.60	41.98	6.78	38.33	34.69	Peak	231	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11590.67	52.56	74.00	-21.44	42.14	6.78	38.33	34.69	Peak	303	100	VERTICAL
2	11590.79	39.61	54.00	-14.39	29.19	6.78	38.33	34.69	Average	303	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15629.82	56.35	74.00	-17.65	44.68	7.89	38.59	34.81	Peak	165	100	HORIZONTAL
2	15630.78	42.79	54.00	-11.21	31.12	7.89	38.59	34.81	Average	165	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15629.39	56.15	74.00	-17.85	44.48	7.89	38.59	34.81	Peak	287	100	VERTICAL
2	15629.69	43.24	54.00	-10.76	31.57	7.89	38.59	34.81	Average	287	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11549.30	39.76	54.00	-14.24	29.35	6.77	38.32	34.68	Average	64	100	HORIZONTAL
2	11550.09	52.55	74.00	-21.45	42.14	6.77	38.32	34.68	Peak	64	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11549.52	39.78	54.00	-14.22	29.37	6.77	38.32	34.68	Average	214	100	VERTICAL
2	11550.06	52.87	74.00	-21.13	42.46	6.77	38.32	34.68	Peak	214	100	VERTICAL

Note:

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

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

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

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.22	41.98	54.00	-12.02	32.57	6.13	38.45	35.17	Average	100	211	HORIZONTAL
2	15544.05	54.90	74.00	-19.10	45.51	6.13	38.43	35.17	Peak	100	211	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15541.81	41.85	54.00	-12.15	32.44	6.13	38.45	35.17	Average	100	253	VERTICAL
2	15542.02	55.04	74.00	-18.96	45.63	6.13	38.45	35.17	Peak	100	253	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.26	44.41	54.00	-9.59	35.10	6.13	38.36	35.18	Average	100	360	HORIZONTAL
2	15597.95	58.67	74.00	-15.33	49.36	6.13	38.36	35.18	Peak	100	360	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.65	55.46	74.00	-18.54	46.15	6.13	38.36	35.18	Peak	100	240	VERTICAL
2	15598.97	42.75	54.00	-11.25	33.45	6.13	38.36	35.19	Average	100	240	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.10	43.98	54.00	-10.02	34.86	6.14	38.19	35.21	Average	100	151	HORIZONTAL
2	15724.20	54.98	74.00	-19.02	45.86	6.14	38.19	35.21	Peak	100	151	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.59	43.02	54.00	-10.98	33.90	6.14	38.19	35.21	Average	100	215	VERTICAL
2	15722.20	55.06	74.00	-18.94	45.94	6.14	38.19	35.21	Peak	100	215	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11490.33	55.52	74.00	-18.48	42.18	9.09	39.10	34.85	100	258	HORIZONTAL	Peak
2	11490.43	42.52	54.00	-11.48	29.18	9.09	39.10	34.85	100	258	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11491.10	42.59	54.00	-11.41	29.25	9.09	39.10	34.85	100	360	VERTICAL	Average
2	11491.97	55.32	74.00	-18.68	41.98	9.09	39.10	34.85	100	360	VERTICAL	Peak

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11571.00	43.28	54.00	-10.72	30.01	9.11	39.01	34.85	100	196	HORIZONTAL	Average
2	11571.59	55.69	74.00	-18.31	42.42	9.11	39.01	34.85	100	196	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11567.91	55.32	74.00	-18.68	42.05	9.11	39.01	34.85	100	221	VERTICAL	Peak
2	11569.16	42.11	54.00	-11.89	28.84	9.11	39.01	34.85	100	221	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11648.34	55.12	74.00	-18.88	41.93	9.11	38.93	34.85	100	94	HORIZONTAL	Peak
2	11651.18	42.81	54.00	-11.19	29.66	9.11	38.89	34.85	100	94	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11648.83	55.20	74.00	-18.80	42.01	9.11	38.93	34.85	100	170	VERTICAL	Peak
2	11651.11	42.61	54.00	-11.39	29.46	9.11	38.89	34.85	100	170	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.63	54.60	74.00	-19.40	45.24	6.13	38.40	35.17	Peak	100	316	HORIZONTAL
2	15573.30	41.81	54.00	-12.19	32.46	6.13	38.40	35.18	Average	100	316	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15571.17	41.73	54.00	-12.27	32.37	6.13	38.40	35.17	Average	100	181	VERTICAL
2	15573.94	55.46	74.00	-18.54	46.11	6.13	38.40	35.18	Peak	100	181	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15687.36	42.41	54.00	-11.59	33.25	6.14	38.23	35.21	Average	100	360	HORIZONTAL
2	15692.72	55.62	74.00	-18.38	46.46	6.14	38.23	35.21	Peak	100	360	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15688.59	55.46	74.00	-18.54	46.30	6.14	38.23	35.21	Peak	100	236	VERTICAL
2	15692.50	42.21	54.00	-11.79	33.05	6.14	38.23	35.21	Average	100	236	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11508.17	54.27	74.00	-19.73	40.92	9.10	39.10	34.85	100	91	HORIZONTAL	Peak
2	11510.75	42.18	54.00	-11.82	28.83	9.10	39.10	34.85	100	91	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11511.67	42.51	54.00	-11.49	29.16	9.10	39.10	34.85	100	146	VERTICAL	Average
2	11512.11	55.95	74.00	-18.05	42.60	9.10	39.10	34.85	100	146	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11591.47	54.51	74.00	-19.49	41.28	9.11	38.97	34.85	100	114	HORIZONTAL	Peak
2	11592.45	42.20	54.00	-11.80	28.97	9.11	38.97	34.85	100	114	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11587.84	54.86	74.00	-19.14	41.63	9.11	38.97	34.85	100	222	VERTICAL	Peak
2	11591.93	42.39	54.00	-11.61	29.16	9.11	38.97	34.85	100	222	VERTICAL	Average

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.15	54.94	74.00	-19.06	45.66	6.14	38.33	35.19	Peak	100	170	HORIZONTAL
2	15634.62	41.80	54.00	-12.20	32.54	6.14	38.31	35.19	Average	100	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15626.78	54.91	74.00	-19.09	45.63	6.14	38.33	35.19	Peak	100	279	VERTICAL
2	15628.49	41.86	54.00	-12.14	32.58	6.14	38.33	35.19	Average	100	279	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11549.58	42.21	54.00	-11.79	28.90	9.10	39.06	34.85	100	53	HORIZONTAL	Average
2	11550.71	54.51	74.00	-19.49	41.25	9.10	39.01	34.85	100	53	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11549.43	42.35	54.00	-11.65	29.04	9.10	39.06	34.85	100	114	VERTICAL	Average
2	11551.38	54.42	74.00	-19.58	41.16	9.10	39.01	34.85	100	114	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.80	43.85	54.00	-10.15	34.44	6.13	38.45	35.17	Average	101	329	HORIZONTAL
2	15541.51	56.56	74.00	-17.44	47.15	6.13	38.45	35.17	Peak	101	329	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.31	43.60	54.00	-10.40	34.19	6.13	38.45	35.17	Average	101	44	VERTICAL
2	15537.87	56.39	74.00	-17.61	46.98	6.13	38.45	35.17	Peak	101	44	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.16	60.83	74.00	-13.17	51.52	6.13	38.36	35.18	Peak	100	13	HORIZONTAL
2	15597.26	46.97	54.00	-7.03	37.66	6.13	38.36	35.18	Average	100	13	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.04	57.80	74.00	-16.20	48.49	6.13	38.36	35.18	Peak	100	153	VERTICAL
2	15602.32	44.74	54.00	-9.26	35.44	6.13	38.36	35.19	Average	100	153	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.70	62.36	74.00	-11.64	53.24	6.14	38.19	35.21	Peak	124	351	HORIZONTAL
2	15723.08	46.70	54.00	-7.30	37.58	6.14	38.19	35.21	Average	124	351	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.72	46.19	54.00	-7.81	37.07	6.14	38.19	35.21	Average	100	221	VERTICAL
2	15722.40	57.81	74.00	-16.19	48.69	6.14	38.19	35.21	Peak	100	221	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11447.66	42.26	54.00	-11.74	28.95	9.06	39.10	34.85	100	179	HORIZONTAL	Average
2	11448.88	54.94	74.00	-19.06	41.63	9.06	39.10	34.85	100	179	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11447.50	42.30	54.00	-11.70	28.99	9.06	39.10	34.85	100	124	VERTICAL	Average
2	11448.88	54.94	74.00	-19.06	41.63	9.06	39.10	34.85	100	124	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.53	54.15	74.00	-19.85	40.88	9.11	39.01	34.85	100	343	HORIZONTAL	Peak
2	11571.16	42.88	54.00	-11.12	29.61	9.11	39.01	34.85	100	343	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.88	53.73	74.00	-20.27	40.46	9.11	39.01	34.85	100	359	VERTICAL	Peak
2	11572.48	42.74	54.00	-11.26	29.47	9.11	39.01	34.85	100	359	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11650.42	55.00	74.00	-19.00	41.81	9.11	38.93	34.85	100	234	HORIZONTAL	Peak
2	11651.78	43.26	54.00	-10.74	30.11	9.11	38.89	34.85	100	234	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11650.07	54.64	74.00	-19.36	41.45	9.11	38.93	34.85	100	200	VERTICAL	Peak
2	11650.48	43.47	54.00	-10.53	30.28	9.11	38.93	34.85	100	200	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.87	43.57	54.00	-10.43	34.21	6.13	38.40	35.17	Average	100	192	HORIZONTAL
2	15573.54	56.63	74.00	-17.37	47.28	6.13	38.40	35.18	Peak	100	192	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.68	43.54	54.00	-10.46	34.18	6.13	38.40	35.17	Average	100	273	VERTICAL
2	15567.69	56.63	74.00	-17.37	47.27	6.13	38.40	35.17	Peak	100	273	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15685.02	57.38	74.00	-16.62	48.22	6.14	38.23	35.21	Peak	100	140	HORIZONTAL
2	15688.32	44.37	54.00	-9.63	35.21	6.14	38.23	35.21	Average	100	140	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15693.94	57.54	74.00	-16.46	48.38	6.14	38.23	35.21	Peak	100	278	VERTICAL
2	15694.04	44.14	54.00	-9.86	34.98	6.14	38.23	35.21	Average	100	278	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11507.53	54.76	74.00	-19.24	41.41	9.10	39.10	34.85	100	178	HORIZONTAL	Peak
2	11509.33	42.87	54.00	-11.13	29.52	9.10	39.10	34.85	100	178	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11510.00	54.60	74.00	-19.40	41.25	9.10	39.10	34.85	100	251	VERTICAL	Peak
2	11511.57	43.13	54.00	-10.87	29.78	9.10	39.10	34.85	100	251	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11590.13	43.02	54.00	-10.98	29.79	9.11	38.97	34.85	100	230	HORIZONTAL	Average
2	11591.39	55.36	74.00	-18.64	42.13	9.11	38.97	34.85	100	230	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11588.40	54.31	74.00	-19.69	41.08	9.11	38.97	34.85	100	205	VERTICAL	Peak
2	11591.93	42.84	54.00	-11.16	29.61	9.11	38.97	34.85	100	205	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.61	57.66	74.00	-16.34	48.38	6.14	38.33	35.19	Peak	100	89	HORIZONTAL
2	15631.33	42.61	54.00	-11.39	33.35	6.14	38.31	35.19	Average	100	89	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15630.30	42.60	54.00	-11.40	33.34	6.14	38.31	35.19	Average	100	198	VERTICAL
2	15630.43	56.56	74.00	-17.44	47.30	6.14	38.31	35.19	Peak	100	198	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11547.57	42.70	54.00	-11.30	29.39	9.10	39.06	34.85	100	139	HORIZONTAL	Average
2	11550.40	54.10	74.00	-19.90	40.84	9.10	39.01	34.85	100	139	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11550.69	43.17	54.00	-10.83	29.91	9.10	39.01	34.85	100	146	VERTICAL	Average
2	11551.25	55.02	74.00	-18.98	41.76	9.10	39.01	34.85	100	146	VERTICAL	Peak

Note:

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

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

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

<For STBC Mode>

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15532.36	57.72	74.00	-16.28	44.39	10.77	38.15	35.59	Peak	100	17	HORIZONTAL
2	15535.24	44.88	54.00	-9.12	31.55	10.77	38.15	35.59	Average	100	17	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.60	45.22	54.00	-8.78	31.89	10.77	38.15	35.59	Average	100	298	VERTICAL
2	15545.84	57.42	74.00	-16.58	44.11	10.78	38.12	35.59	Peak	100	298	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.88	48.23	54.00	-5.77	34.99	10.78	38.04	35.58	Average	100	175	HORIZONTAL
2	15603.16	61.90	74.00	-12.10	48.66	10.78	38.04	35.58	Peak	100	175	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15596.12	46.48	54.00	-7.52	33.24	10.78	38.04	35.58	Average	141	29	VERTICAL
2	15599.88	60.59	74.00	-13.41	47.35	10.78	38.04	35.58	Peak	141	29	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.56	61.97	74.00	-12.03	48.89	10.79	37.85	35.56	Peak	100	247	HORIZONTAL
2	15721.40	49.20	54.00	-4.80	36.12	10.79	37.85	35.56	Average	100	247	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15713.16	59.65	74.00	-14.35	46.57	10.79	37.85	35.56	Peak	121	57	VERTICAL
2	15719.00	47.17	54.00	-6.83	34.09	10.79	37.85	35.56	Average	121	57	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.48	53.02	74.00	-20.98	39.36	9.24	39.50	35.08	Peak	100	267	HORIZONTAL
2	11497.20	40.32	54.00	-13.68	26.68	9.24	39.50	35.10	Average	100	267	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.32	40.36	54.00	-13.64	26.70	9.24	39.50	35.08	Average	100	52	VERTICAL
2	11497.20	52.81	74.00	-21.19	39.17	9.24	39.50	35.10	Peak	100	52	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.56	54.74	74.00	-19.26	41.10	9.26	39.47	35.09	Peak	117	266	HORIZONTAL
2	11570.52	41.96	54.00	-12.04	28.32	9.26	39.47	35.09	Average	117	266	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11566.68	54.25	74.00	-19.75	40.60	9.26	39.48	35.09	Peak	100	48	VERTICAL
2	11570.48	41.75	54.00	-12.25	28.11	9.26	39.47	35.09	Average	100	48	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11643.32	55.25	74.00	-18.75	41.60	9.28	39.44	35.07	Peak	100	276	HORIZONTAL
2	11657.00	42.65	54.00	-11.35	29.00	9.28	39.44	35.07	Average	100	276	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11644.24	55.02	74.00	-18.98	41.37	9.28	39.44	35.07	Peak	145	37	VERTICAL
2	11651.56	42.54	54.00	-11.46	28.89	9.28	39.44	35.07	Average	145	37	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15560.00	44.46	54.00	-9.54	31.17	10.78	38.09	35.58	Average	100	35	HORIZONTAL
2	15562.88	57.18	74.00	-16.82	43.89	10.78	38.09	35.58	Peak	100	35	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15564.76	44.52	54.00	-9.48	31.23	10.78	38.09	35.58	Average	100	357	VERTICAL
2	15572.48	57.85	74.00	-16.15	44.58	10.78	38.07	35.58	Peak	100	357	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15694.68	45.97	54.00	-8.03	32.86	10.79	37.88	35.56	Average	100	233	HORIZONTAL
2	15696.76	58.79	74.00	-15.21	45.68	10.79	37.88	35.56	Peak	100	233	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.64	44.30	54.00	-9.70	31.16	10.79	37.91	35.56	Average	100	172	VERTICAL
2	15698.76	57.31	74.00	-16.69	44.20	10.79	37.88	35.56	Peak	100	172	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11508.24	53.08	74.00	-20.92	39.43	9.25	39.50	35.10	Peak	100	198	HORIZONTAL
2	11518.96	40.11	54.00	-13.89	26.47	9.25	39.49	35.10	Average	100	198	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11503.12	52.87	74.00	-21.13	39.22	9.25	39.50	35.10	Peak	100	117	VERTICAL
2	11519.60	40.10	54.00	-13.90	26.46	9.25	39.49	35.10	Average	100	117	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11597.80	41.59	54.00	-12.41	27.93	9.27	39.47	35.08	Average	100	169	HORIZONTAL
2	11600.00	54.66	74.00	-19.34	41.00	9.27	39.47	35.08	Peak	100	169	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11596.84	54.68	74.00	-19.32	41.02	9.27	39.47	35.08	Peak	100	201	VERTICAL
2	11598.88	41.65	54.00	-12.35	27.99	9.27	39.47	35.08	Average	100	201	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.12	56.71	74.00	-17.29	43.51	10.78	37.99	35.57	Peak	100	150	HORIZONTAL
2	15630.24	43.51	54.00	-10.49	30.31	10.78	37.99	35.57	Average	100	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15623.48	43.99	54.00	-10.01	30.79	10.78	37.99	35.57	Average	100	189	VERTICAL
2	15623.48	54.99	74.00	-19.01	41.79	10.78	37.99	35.57	Peak	100	189	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11540.56	54.46	74.00	-19.54	40.80	9.26	39.49	35.09	Peak	100	53	HORIZONTAL
2	11587.60	41.64	54.00	-12.36	27.98	9.27	39.47	35.08	Average	100	53	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11551.12	54.48	74.00	-19.52	40.83	9.26	39.48	35.09	Peak	100	276	VERTICAL
2	11585.36	41.43	54.00	-12.57	27.77	9.27	39.47	35.08	Average	100	276	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15532.64	43.39	54.00	-10.61	31.59	7.85	38.67	34.72	Average	315	100	HORIZONTAL
2	15536.88	58.16	74.00	-15.84	46.36	7.85	38.67	34.72	Peak	315	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15531.76	43.42	54.00	-10.58	31.62	7.85	38.67	34.72	Average	62	100	VERTICAL
2	15532.96	57.95	74.00	-16.05	46.15	7.85	38.67	34.72	Peak	62	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15594.92	66.19	74.00	-7.81	54.46	7.88	38.62	34.77	Peak	53	111	HORIZONTAL
2	15601.32	48.31	54.00	-5.69	36.60	7.88	38.62	34.79	Average	53	111	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15594.72	61.34	74.00	-12.66	49.61	7.88	38.62	34.77	Peak	224	100	VERTICAL
2	15600.96	46.75	54.00	-7.25	35.04	7.88	38.62	34.79	Average	224	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15714.80	67.97	74.00	-6.03	56.41	7.92	38.52	34.88	Peak	52	107	HORIZONTAL
2	15721.36	50.89	54.00	-3.11	39.33	7.92	38.52	34.88	Average	52	107	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15714.84	60.95	74.00	-13.05	49.39	7.92	38.52	34.88	Peak	237	100	VERTICAL
2	15717.16	45.92	54.00	-8.08	34.36	7.92	38.52	34.88	Average	237	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11489.88	39.20	54.00	-14.80	28.82	6.74	38.30	34.66	Average	53	100	HORIZONTAL
2	11493.68	53.19	74.00	-20.81	42.81	6.74	38.30	34.66	Peak	53	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11490.20	39.08	54.00	-14.92	28.70	6.74	38.30	34.66	Average	286	100	VERTICAL
2	11493.52	53.10	74.00	-20.90	42.72	6.74	38.30	34.66	Peak	286	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11569.96	43.73	54.00	-10.27	33.32	6.77	38.33	34.69	Average	232	114	HORIZONTAL
2	11570.00	58.38	74.00	-15.62	47.97	6.77	38.33	34.69	Peak	232	114	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11571.38	42.43	54.00	-11.57	32.02	6.77	38.33	34.69	Average	310	100	VERTICAL
2	11575.52	57.16	74.00	-16.84	46.75	6.77	38.33	34.69	Peak	310	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11649.82	40.82	54.00	-13.18	30.38	6.80	38.36	34.72	Average	233	100	HORIZONTAL
2	11654.08	54.32	74.00	-19.68	43.88	6.80	38.36	34.72	Peak	233	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11646.16	39.75	54.00	-14.25	29.30	6.80	38.36	34.71	Average	356	100	VERTICAL
2	11646.40	54.03	74.00	-19.97	43.59	6.80	38.36	34.72	Peak	356	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15560.72	42.97	54.00	-11.03	31.21	7.86	38.64	34.74	Average	29	100	HORIZONTAL
2	15575.60	57.21	74.00	-16.79	45.48	7.86	38.64	34.77	Peak	29	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15561.28	42.98	54.00	-11.02	31.22	7.86	38.64	34.74	Average	250	100	VERTICAL
2	15574.08	56.98	74.00	-17.02	45.25	7.86	38.64	34.77	Peak	250	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15683.20	58.47	74.00	-15.53	46.87	7.90	38.55	34.85	Peak	52	100	HORIZONTAL
2	15693.28	44.29	54.00	-9.71	32.69	7.90	38.55	34.85	Average	52	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15681.36	57.82	74.00	-16.18	46.22	7.90	38.55	34.85	Peak	288	100	VERTICAL
2	15684.36	42.78	54.00	-11.22	31.18	7.90	38.55	34.85	Average	288	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11515.64	53.45	74.00	-20.55	43.04	6.76	38.31	34.66	Peak	164	100	HORIZONTAL
2	11518.08	39.01	54.00	-14.99	28.60	6.76	38.31	34.66	Average	164	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11514.04	53.23	74.00	-20.77	42.84	6.75	38.30	34.66	Peak	290	100	VERTICAL
2	11518.24	39.02	54.00	-14.98	28.61	6.76	38.31	34.66	Average	290	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11584.56	53.86	74.00	-20.14	43.44	6.78	38.33	34.69	Peak	231	100	HORIZONTAL
2	11589.68	40.01	54.00	-13.99	29.59	6.78	38.33	34.69	Average	231	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11589.84	39.35	54.00	-14.65	28.93	6.78	38.33	34.69	Average	313	100	VERTICAL
2	11594.44	54.50	74.00	-19.50	44.08	6.78	38.33	34.69	Peak	313	100	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15631.24	56.79	74.00	-17.21	45.12	7.89	38.59	34.81	Peak	50	100	HORIZONTAL
2	15637.44	42.53	54.00	-11.47	30.86	7.89	38.59	34.81	Average	50	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15623.16	56.55	74.00	-17.45	44.86	7.88	38.60	34.79	Peak	253	100	VERTICAL
2	15638.68	42.55	54.00	-11.45	30.88	7.89	38.59	34.81	Average	253	100	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11540.12	53.50	74.00	-20.50	43.10	6.76	38.31	34.67	Peak	199	100	HORIZONTAL
2	11549.04	39.02	54.00	-14.98	28.61	6.77	38.32	34.68	Average	199	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11559.64	53.15	74.00	-20.85	42.74	6.77	38.32	34.68	Peak	326	100	VERTICAL
2	11559.80	39.09	54.00	-14.91	28.68	6.77	38.32	34.68	Average	326	100	VERTICAL

Note:

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

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

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.09	54.88	74.00	-19.12	45.47	6.13	38.45	35.17	Peak	100	195	HORIZONTAL
2	15539.84	41.85	54.00	-12.15	32.44	6.13	38.45	35.17	Average	100	195	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15538.62	41.92	54.00	-12.08	32.51	6.13	38.45	35.17	Average	100	305	VERTICAL
2	15540.34	55.65	74.00	-18.35	46.24	6.13	38.45	35.17	Peak	100	305	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.04	52.88	74.00	-21.12	43.58	6.13	38.36	35.19	Peak	100	244	HORIZONTAL
2	15600.37	42.28	54.00	-11.72	32.98	6.13	38.36	35.19	Average	100	244	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15603.62	39.20	54.00	-14.80	29.90	6.13	38.36	35.19	Average	100	330	VERTICAL
2	15603.62	50.64	74.00	-23.36	41.34	6.13	38.36	35.19	Peak	100	330	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.75	60.14	74.00	-13.86	51.02	6.14	38.19	35.21	Peak	127	360	HORIZONTAL
2	15720.02	45.99	54.00	-8.01	36.87	6.14	38.19	35.21	Average	127	360	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.56	41.00	54.00	-13.00	31.88	6.14	38.19	35.21	Average	100	258	VERTICAL
2	15718.89	52.49	74.00	-21.51	43.37	6.14	38.19	35.21	Peak	100	258	VERTICAL

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11484.10	43.13	54.00	-10.87	29.79	9.09	39.10	34.85	100	105	HORIZONTAL	Average
2	11485.64	55.11	74.00	-18.89	41.77	9.09	39.10	34.85	100	105	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11492.52	54.88	74.00	-19.12	41.54	9.09	39.10	34.85	100	0	VERTICAL	Peak
2	11498.18	43.27	54.00	-10.73	29.92	9.10	39.10	34.85	100	0	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11562.88	54.70	74.00	-19.30	41.43	9.11	39.01	34.85	100	196	HORIZONTAL	Peak
2	11566.28	43.24	54.00	-10.76	29.97	9.11	39.01	34.85	100	196	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11577.90	54.17	74.00	-19.83	40.90	9.11	39.01	34.85	100	141	VERTICAL	Peak
2	11578.02	45.25	54.00	-8.75	31.98	9.11	39.01	34.85	100	141	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.56	42.97	54.00	-11.03	29.78	9.11	38.93	34.85	100	278	HORIZONTAL	Average
2	11650.14	55.71	74.00	-18.29	42.52	9.11	38.93	34.85	100	278	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.63	54.86	74.00	-19.14	41.67	9.11	38.93	34.85	100	240	VERTICAL	Peak
2	11649.88	43.11	54.00	-10.89	29.92	9.11	38.93	34.85	100	240	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15571.41	52.54	74.00	-21.46	43.18	6.13	38.40	35.17	Peak	100	171	HORIZONTAL
2	15572.55	38.68	54.00	-15.32	29.32	6.13	38.40	35.17	Average	100	171	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15568.67	51.97	74.00	-22.03	42.61	6.13	38.40	35.17	Peak	100	289	VERTICAL
2	15570.74	38.80	54.00	-15.20	29.44	6.13	38.40	35.17	Average	100	289	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15686.63	51.75	74.00	-22.25	42.59	6.14	38.23	35.21	Peak	100	165	HORIZONTAL
2	15694.12	40.48	54.00	-13.52	31.32	6.14	38.23	35.21	Average	100	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.70	52.29	74.00	-21.71	43.13	6.14	38.23	35.21	Peak	100	272	VERTICAL
2	15693.11	39.80	54.00	-14.20	30.64	6.14	38.23	35.21	Average	100	272	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11509.58	55.04	74.00	-18.96	41.69	9.10	39.10	34.85	100	147	HORIZONTAL	Peak
2	11511.86	43.57	54.00	-10.43	30.22	9.10	39.10	34.85	100	147	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11508.50	42.58	54.00	-11.42	29.23	9.10	39.10	34.85	100	252	VERTICAL	Average
2	11512.09	54.53	74.00	-19.47	41.18	9.10	39.10	34.85	100	252	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11591.74	42.46	54.00	-11.54	29.23	9.11	38.97	34.85	100	205	HORIZONTAL	Average
2	11592.04	54.82	74.00	-19.18	41.59	9.11	38.97	34.85	100	205	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11591.30	54.39	74.00	-19.61	41.16	9.11	38.97	34.85	100	137	VERTICAL	Peak
2	11592.33	42.53	54.00	-11.47	29.30	9.11	38.97	34.85	100	137	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Jun. 13, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15626.88	51.63	74.00	-22.37	42.35	6.14	38.33	35.19	Peak	100	215	HORIZONTAL
2	15628.85	38.85	54.00	-15.15	29.59	6.14	38.31	35.19	Average	100	215	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.74	51.71	74.00	-22.29	42.43	6.14	38.33	35.19	Peak	100	114	VERTICAL
2	15630.08	38.87	54.00	-15.13	29.61	6.14	38.31	35.19	Average	100	114	VERTICAL

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11547.88	43.46	54.00	-10.54	30.15	9.10	39.06	34.85	100	292	HORIZONTAL	Average
2	11549.31	54.40	74.00	-19.60	41.09	9.10	39.06	34.85	100	292	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11548.95	55.24	74.00	-18.76	41.93	9.10	39.06	34.85	100	315	VERTICAL	Peak
2	11552.05	42.67	54.00	-11.33	29.41	9.10	39.01	34.85	100	315	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15631.60	46.28	54.00	-7.72	31.80	10.36	38.75	34.63	100	322	HORIZONTAL	Average
2	15633.08	56.93	74.00	-17.07	42.45	10.36	38.75	34.63	100	322	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15627.70	56.87	74.00	-17.13	42.38	10.36	38.75	34.62	100	106	VERTICAL	Peak
2	15630.32	46.25	54.00	-7.75	31.77	10.36	38.75	34.63	100	106	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10630.64	40.34	54.00	-13.66	27.76	8.49	38.95	34.86	100	34	HORIZONTAL	Average
2	10632.26	51.83	74.00	-22.17	39.25	8.49	38.95	34.86	100	34	HORIZONTAL	Peak
3	15958.50	55.51	74.00	-18.49	41.35	10.34	38.86	35.04	100	327	HORIZONTAL	Peak
4	15968.44	44.24	54.00	-9.76	30.05	10.34	38.90	35.05	100	327	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10630.14	40.80	54.00	-13.20	28.22	8.49	38.95	34.86	100	8	VERTICAL	Average
2	10632.42	53.20	74.00	-20.80	40.62	8.49	38.95	34.86	100	8	VERTICAL	Peak
3	15951.72	44.66	54.00	-9.34	30.49	10.34	38.86	35.03	100	217	VERTICAL	Average
4	15968.44	56.27	74.00	-17.73	42.08	10.34	38.90	35.05	100	217	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15568.36	45.96	54.00	-8.04	31.37	10.37	38.77	34.55	100	324	HORIZONTAL	Average
2	15576.04	57.23	74.00	-16.77	42.66	10.36	38.77	34.56	100	324	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15562.24	57.52	74.00	-16.48	42.92	10.37	38.77	34.54	100	231	VERTICAL	Peak
2	15574.56	46.32	54.00	-7.68	31.74	10.37	38.77	34.56	100	231	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11448.19	42.19	54.00	-11.81	28.88	9.06	39.10	34.85	100	225	HORIZONTAL	Average
2	11448.20	55.35	74.00	-18.65	42.04	9.06	39.10	34.85	100	225	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11447.68	55.28	74.00	-18.72	41.97	9.06	39.10	34.85	100	204	VERTICAL	Peak
2	11448.41	43.17	54.00	-10.83	29.86	9.06	39.10	34.85	100	204	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.41	42.85	54.00	-11.15	29.58	9.11	39.01	34.85	100	271	HORIZONTAL	Average
2	11570.96	54.45	74.00	-19.55	41.18	9.11	39.01	34.85	100	271	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11568.83	54.29	74.00	-19.71	41.02	9.11	39.01	34.85	100	303	VERTICAL	Peak
2	11571.81	42.70	54.00	-11.30	29.43	9.11	39.01	34.85	100	303	VERTICAL	Average

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11648.45	54.77	74.00	-19.23	41.58	9.11	38.93	34.85	100	309	HORIZONTAL	Peak
2	11650.20	43.42	54.00	-10.58	30.23	9.11	38.93	34.85	100	309	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11651.04	55.36	74.00	-18.64	42.21	9.11	38.89	34.85	100	255	VERTICAL	Peak
2	11651.96	43.60	54.00	-10.40	30.45	9.11	38.89	34.85	100	255	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15704.90	45.06	54.00	-8.94	30.70	10.36	38.72	34.72	100	276	HORIZONTAL	Average
2	15737.90	56.30	74.00	-17.70	42.00	10.36	38.70	34.76	100	276	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15704.90	46.06	54.00	-7.94	31.70	10.36	38.72	34.72	100	359	VERTICAL	Average
2	15712.35	56.37	74.00	-17.63	42.02	10.36	38.72	34.73	100	359	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15607.40	45.53	54.00	-8.47	31.02	10.36	38.75	34.60	100	28	HORIZONTAL	Average
2	15620.30	57.17	74.00	-16.83	42.68	10.36	38.75	34.62	100	28	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15613.95	46.03	54.00	-7.97	31.53	10.36	38.75	34.61	100	335	VERTICAL	Average
2	15620.70	56.70	74.00	-17.30	42.21	10.36	38.75	34.62	100	335	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11510.85	42.80	54.00	-11.20	29.45	9.10	39.10	34.85	100	174	HORIZONTAL	Average
2	11511.71	54.92	74.00	-19.08	41.57	9.10	39.10	34.85	100	174	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11508.47	54.41	74.00	-19.59	41.06	9.10	39.10	34.85	100	150	VERTICAL	Peak
2	11510.62	42.94	54.00	-11.06	29.59	9.10	39.10	34.85	100	150	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11590.80	54.51	74.00	-19.49	41.28	9.11	38.97	34.85	100	254	HORIZONTAL	Peak
2	11591.50	42.86	54.00	-11.14	29.63	9.11	38.97	34.85	100	254	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11591.55	43.04	54.00	-10.96	29.81	9.11	38.97	34.85	100	304	VERTICAL	Average
2	11591.96	54.67	74.00	-19.33	41.44	9.11	38.97	34.85	100	304	VERTICAL	Peak

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.45	56.32	74.00	-17.68	41.68	10.37	38.78	34.51	100	131	HORIZONTAL	Peak
2	15560.65	45.72	54.00	-8.28	31.12	10.37	38.77	34.54	100	131	HORIZONTAL	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15522.60	56.71	74.00	-17.29	42.05	10.37	38.78	34.49	100	209	VERTICAL	Peak
2	15562.65	46.06	54.00	-7.94	31.46	10.37	38.77	34.54	100	209	VERTICAL	Average

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Jun. 14, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11550.35	43.05	54.00	-10.95	29.79	9.10	39.01	34.85	100	232	HORIZONTAL	Average
2	11550.86	54.36	74.00	-19.64	41.10	9.10	39.01	34.85	100	232	HORIZONTAL	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11551.64	55.81	74.00	-18.19	42.55	9.10	39.01	34.85	100	182	VERTICAL	Peak
2	11552.49	43.01	54.00	-10.99	29.75	9.10	39.01	34.85	100	182	VERTICAL	Average

Note:

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

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

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

4.7. Band Edge Emissions Measurement

4.7.1. Limit

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

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

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

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

4.7.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 10Hz for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for Peak

4.7.3. Test Procedures

1. The test procedure is the same as section 4.6.3, only the frequency range investigated is limited to 100MHz around band edges.

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	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.12	70.18	74.00	-3.82	67.55	3.43	34.11	34.91	Peak	100	92	VERTICAL
2	5150.00	52.47	54.00	-1.53	49.84	3.43	34.11	34.91	Average	100	92	VERTICAL
3	5178.24	114.42			111.73	3.44	34.16	34.91	Peak	100	92	VERTICAL
4	5179.04	103.25			100.56	3.44	34.16	34.91	Average	100	92	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5127.24	52.88	54.00	-1.12	50.27	3.43	34.09	34.91	Average	102	127	VERTICAL
2	5150.00	72.46	74.00	-1.54	69.83	3.43	34.11	34.91	Peak	102	127	VERTICAL
3	5199.04	107.18			104.46	3.45	34.18	34.91	Average	102	127	VERTICAL
4	5199.04	118.41			115.69	3.45	34.18	34.91	Peak	102	127	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5112.50	50.25	54.00	-3.75	47.67	3.42	34.06	34.90	Average	100	104	VERTICAL
2	5145.19	62.99	74.00	-11.01	60.36	3.43	34.11	34.91	Peak	100	104	VERTICAL
3	5239.04	107.62			104.84	3.46	34.23	34.91	Average	100	104	VERTICAL
4	5243.85	119.01			116.21	3.46	34.25	34.91	Peak	100	104	VERTICAL
5	5358.17	48.97	54.00	-5.03	46.00	3.49	34.39	34.91	Average	100	104	VERTICAL
6	5359.62	60.91	74.00	-13.09	57.94	3.49	34.39	34.91	Peak	100	104	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	67.04	68.20	-1.16	63.70	3.60	34.68	34.94	Peak	100	322	VERTICAL
2	5724.20	76.93	78.20	-1.27	73.58	3.60	34.69	34.94	Peak	100	322	VERTICAL
3	5743.72	100.11			96.74	3.61	34.70	34.94	Average	100	322	VERTICAL
4	5744.20	110.98			107.61	3.61	34.70	34.94	Peak	100	322	VERTICAL
5	5832.21	56.83	78.20	-21.37	53.42	3.63	34.73	34.95	Peak	100	322	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.83	66.78	68.20	-1.42	63.44	3.60	34.68	34.94	Peak	100	34	VERTICAL
2	5723.40	73.49	78.20	-4.71	70.14	3.60	34.69	34.94	Peak	100	34	VERTICAL
3	5783.72	106.47			103.07	3.63	34.71	34.94	Average	100	34	VERTICAL
4	5787.89	117.90			114.49	3.63	34.72	34.94	Peak	100	34	VERTICAL
5	5850.32	67.50	78.20	-10.70	64.07	3.64	34.74	34.95	Peak	100	34	VERTICAL
6	5866.41	60.50	68.20	-7.70	57.06	3.65	34.74	34.95	Peak	100	34	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5823.56	111.34			107.93	3.63	34.73	34.95	Peak	107	253	VERTICAL
2	5826.28	100.12			96.71	3.63	34.73	34.95	Average	107	253	VERTICAL
3	5850.00	72.55	78.20	-5.65	69.12	3.64	34.74	34.95	Peak	107	253	VERTICAL
4	5867.85	66.98	68.20	-1.22	63.54	3.65	34.74	34.95	Peak	107	253	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.40	72.44	74.00	-1.56	69.81	3.43	34.11	34.91	Peak	100	100	VERTICAL
2	5150.00	52.78	54.00	-1.22	50.15	3.43	34.11	34.91	Average	100	100	VERTICAL
3	5193.53	96.73			94.02	3.44	34.18	34.91	Average	100	100	VERTICAL
4	5194.49	109.02			106.31	3.44	34.18	34.91	Peak	100	100	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.36	52.66	54.00	-1.34	50.03	3.43	34.11	34.91	Average	100	103	VERTICAL
2	5149.68	65.98	74.00	-8.02	63.35	3.43	34.11	34.91	Peak	100	103	VERTICAL
3	5234.81	101.41			98.63	3.46	34.23	34.91	Average	100	103	VERTICAL
4	5238.65	113.21			110.43	3.46	34.23	34.91	Peak	100	103	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.83	66.73	68.20	-1.47	63.39	3.60	34.68	34.94	Peak	100	38	VERTICAL
2	5725.00	72.16	78.20	-6.04	68.81	3.60	34.69	34.94	Peak	100	38	VERTICAL
3	5749.87	94.61			91.24	3.61	34.70	34.94	Average	100	38	VERTICAL
4	5758.85	106.55			103.17	3.62	34.70	34.94	Peak	100	38	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.83	57.47	68.20	-10.73	54.13	3.60	34.68	34.94	Peak	100	215	VERTICAL
2	5721.80	61.08	78.20	-17.12	57.73	3.60	34.69	34.94	Peak	100	215	VERTICAL
3	5798.53	109.35			105.94	3.63	34.72	34.94	Peak	100	215	VERTICAL
4	5799.81	97.45			94.04	3.63	34.72	34.94	Average	100	215	VERTICAL
5	5851.28	69.28	78.20	-8.92	65.85	3.64	34.74	34.95	Peak	100	215	VERTICAL
6	5864.49	66.79	68.20	-1.41	63.35	3.65	34.74	34.95	Peak	100	215	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 2
Test Date	May 24, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 1TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5142.79	52.70	54.00	-1.30	50.07	3.43	34.11	34.91	Average	100	92	VERTICAL
2	5145.99	72.43	74.00	-1.57	69.80	3.43	34.11	34.91	Peak	100	92	VERTICAL
3	5221.22	92.37			89.62	3.46	34.20	34.91	Average	100	92	VERTICAL
4	5222.02	106.20			103.45	3.46	34.20	34.91	Peak	100	92	VERTICAL
5	5350.00	42.04	54.00	-11.96	39.07	3.49	34.39	34.91	Average	100	92	VERTICAL
6	5360.42	53.88	74.00	-20.12	50.91	3.49	34.39	34.91	Peak	100	92	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	66.79	68.20	-1.41	63.45	3.60	34.68	34.94	Peak	100	125	VERTICAL
2	5725.00	71.43	78.20	-6.77	68.08	3.60	34.69	34.94	Peak	100	125	VERTICAL
3	5782.21	91.87			88.47	3.63	34.71	34.94	Average	100	125	VERTICAL
4	5783.81	105.92			102.52	3.63	34.71	34.94	Peak	100	125	VERTICAL
5	5853.21	67.75	78.20	-10.45	64.32	3.64	34.74	34.95	Peak	100	125	VERTICAL
6	5863.21	65.29	68.20	-2.91	61.85	3.65	34.74	34.95	Peak	100	125	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.40	69.73	74.00	-4.27	64.79	6.13	34.01	35.20	Peak	100	130	VERTICAL
2	5150.00	52.80	54.00	-1.20	47.86	6.13	34.01	35.20	Average	100	130	VERTICAL
3	5181.80	114.08			109.05	6.15	34.08	35.20	Peak	100	130	VERTICAL
4	5184.60	102.66			97.63	6.15	34.08	35.20	Average	100	130	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.20	52.98	54.00	-1.02	48.04	6.13	34.01	35.20	Average	104	232	VERTICAL
2	5150.00	69.40	74.00	-4.60	64.46	6.13	34.01	35.20	Peak	104	232	VERTICAL
3	5198.80	107.92			102.85	6.16	34.11	35.20	Average	104	232	VERTICAL
4	5199.20	118.88			113.81	6.16	34.11	35.20	Peak	104	232	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5111.00	60.34	74.00	-13.66	55.49	6.11	33.94	35.20	Peak	100	234	VERTICAL
2	5111.60	49.17	54.00	-4.83	44.32	6.11	33.94	35.20	Average	100	234	VERTICAL
3	5238.80	108.34			103.18	6.18	34.18	35.20	Average	100	234	VERTICAL
4	5238.80	119.28			114.12	6.18	34.18	35.20	Peak	100	234	VERTICAL
5	5361.40	52.90	54.00	-1.10	47.41	6.27	34.42	35.20	Average	100	234	VERTICAL
6	5364.40	64.77	74.00	-9.23	59.28	6.27	34.42	35.20	Peak	100	234	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.20	66.54	68.20	-1.66	60.43	6.44	34.87	35.20	Peak	101	100	VERTICAL
2	5721.80	76.72	78.20	-1.48	70.60	6.45	34.87	35.20	Peak	101	100	VERTICAL
3	5744.20	102.12			95.97	6.45	34.90	35.20	Average	101	100	VERTICAL
4	5746.60	113.12			106.97	6.45	34.90	35.20	Peak	101	100	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5699.00	66.41	68.20	-1.79	60.32	6.43	34.86	35.20	Peak	100	100	VERTICAL
2	5725.00	70.59	78.20	-7.61	64.45	6.45	34.89	35.20	Peak	100	100	VERTICAL
3	5784.20	119.83			113.64	6.46	34.93	35.20	Peak	100	100	VERTICAL
4	5784.60	108.59			102.40	6.46	34.93	35.20	Average	100	100	VERTICAL
5	5850.00	67.14	78.20	-11.06	60.87	6.49	34.98	35.20	Peak	100	100	VERTICAL
6	5867.20	66.69	68.20	-1.51	60.40	6.50	34.99	35.20	Peak	100	100	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5822.60	102.83			96.60	6.48	34.95	35.20	Average	100	238	VERTICAL
2	5822.60	114.70			108.47	6.48	34.95	35.20	Peak	100	238	VERTICAL
3	5850.40	73.29	78.20	-4.91	67.02	6.49	34.98	35.20	Peak	100	238	VERTICAL
4	5860.40	66.63	68.20	-1.57	60.34	6.50	34.99	35.20	Peak	100	238	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.20	70.55	74.00	-3.45	65.61	6.13	34.01	35.20	Peak	103	36	VERTICAL
2	5149.60	52.72	54.00	-1.28	47.78	6.13	34.01	35.20	Average	103	36	VERTICAL
3	5194.40	110.26			105.22	6.16	34.08	35.20	Peak	103	36	VERTICAL
4	5194.80	98.48			93.41	6.16	34.11	35.20	Average	103	36	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.80	52.71	54.00	-1.29	47.77	6.13	34.01	35.20	Average	100	233	VERTICAL
2	5148.80	66.02	74.00	-7.98	61.08	6.13	34.01	35.20	Peak	100	233	VERTICAL
3	5226.40	103.84			98.71	6.18	34.15	35.20	Average	100	233	VERTICAL
4	5226.40	116.26			111.13	6.18	34.15	35.20	Peak	100	233	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.80	67.14	68.20	-1.06	61.03	6.44	34.87	35.20	Peak	100	100	VERTICAL
2	5724.60	71.38	78.20	-6.82	65.24	6.45	34.89	35.20	Peak	100	100	VERTICAL
3	5766.60	109.40			103.23	6.46	34.91	35.20	Peak	100	100	VERTICAL
4	5769.40	98.12			91.95	6.46	34.91	35.20	Average	100	100	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5711.00	60.52	68.20	-7.68	54.41	6.44	34.87	35.20	Peak	100	239	VERTICAL
2	5723.00	63.67	78.20	-14.53	57.53	6.45	34.89	35.20	Peak	100	239	VERTICAL
3	5790.20	99.10			92.90	6.47	34.93	35.20	Average	100	239	VERTICAL
4	5792.60	110.55			104.34	6.47	34.94	35.20	Peak	100	239	VERTICAL
5	5850.00	69.67	78.20	-8.53	63.40	6.49	34.98	35.20	Peak	100	239	VERTICAL
6	5860.80	66.82	68.20	-1.38	60.53	6.50	34.99	35.20	Peak	100	239	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.00	70.97	74.00	-3.03	66.06	6.13	33.98	35.20	Peak	101	32	VERTICAL
2	5149.00	52.71	54.00	-1.29	47.77	6.13	34.01	35.20	Average	101	32	VERTICAL
3	5199.00	93.27			88.20	6.16	34.11	35.20	Average	101	32	VERTICAL
4	5202.00	105.80			100.73	6.16	34.11	35.20	Peak	101	32	VERTICAL
5	5350.00	59.37	74.00	-14.63	53.89	6.26	34.42	35.20	Peak	101	32	VERTICAL
6	5355.00	46.63	54.00	-7.37	41.15	6.26	34.42	35.20	Average	101	32	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5702.40	66.88	68.20	-1.32	60.78	6.44	34.86	35.20	Peak	100	78	VERTICAL
2	5724.40	69.43	78.20	-8.77	63.29	6.45	34.89	35.20	Peak	100	78	VERTICAL
3	5782.20	106.78			100.59	6.46	34.93	35.20	Peak	100	78	VERTICAL
4	5784.00	94.33			88.14	6.46	34.93	35.20	Average	100	78	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5021.00	52.61	54.00	-1.39	48.03	6.05	33.73	35.20	Average	100	130	VERTICAL
2	5146.00	66.24	74.00	-7.76	61.30	6.13	34.01	35.20	Peak	100	130	VERTICAL
3	5186.00	114.85			109.82	6.15	34.08	35.20	Peak	100	130	VERTICAL
4	5187.00	104.61			99.58	6.15	34.08	35.20	Average	100	130	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5119.00	52.80	54.00	-1.20	47.95	6.11	33.94	35.20	Average	103	274	VERTICAL
2	5150.00	65.42	74.00	-8.58	60.48	6.13	34.01	35.20	Peak	103	274	VERTICAL
3	5200.00	109.05			103.98	6.16	34.11	35.20	Average	103	274	VERTICAL
4	5205.00	119.77			114.70	6.16	34.11	35.20	Peak	103	274	VERTICAL
5	5355.00	50.32	54.00	-3.68	44.84	6.26	34.42	35.20	Average	103	274	VERTICAL
6	5364.00	61.86	74.00	-12.14	56.37	6.27	34.42	35.20	Peak	103	274	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5118.00	50.42	54.00	-3.58	45.57	6.11	33.94	35.20	Average	100	247	VERTICAL
2	5118.00	62.07	74.00	-11.93	57.22	6.11	33.94	35.20	Peak	100	247	VERTICAL
3	5238.00	109.18			104.02	6.18	34.18	35.20	Average	100	247	VERTICAL
4	5238.00	119.71			114.55	6.18	34.18	35.20	Peak	100	247	VERTICAL
5	5353.00	63.88	74.00	-10.12	58.40	6.26	34.42	35.20	Peak	100	247	VERTICAL
6	5358.00	52.93	54.00	-1.07	47.45	6.26	34.42	35.20	Average	100	247	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5710.60	67.02	68.20	-1.18	62.57	4.71	34.32	34.58	Peak	51	100	VERTICAL
2	5724.20	73.61	78.20	-4.59	69.10	4.72	34.37	34.58	Peak	51	100	VERTICAL
3	5746.20	116.44			111.87	4.73	34.42	34.58	Peak	51	100	VERTICAL
4	5746.20	105.52			100.95	4.73	34.42	34.58	Average	51	100	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5706.00	64.94	68.20	-3.26	60.49	4.71	34.32	34.58	Peak	290	100	VERTICAL
2	5719.00	66.96	78.20	-11.24	62.45	4.72	34.37	34.58	Peak	290	100	VERTICAL
3	5786.20	121.85			117.10	4.76	34.58	34.59	Peak	290	100	VERTICAL
4	5786.20	110.67			105.92	4.76	34.58	34.59	Average	290	100	VERTICAL
5	5851.80	68.56	78.20	-9.64	63.63	4.80	34.73	34.60	Peak	290	100	VERTICAL
6	5861.20	67.15	68.20	-1.05	62.15	4.81	34.79	34.60	Peak	290	100	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5826.20	116.99			112.12	4.79	34.68	34.60	Peak	252	100	VERTICAL
2	5826.60	105.63			100.76	4.79	34.68	34.60	Average	252	100	VERTICAL
3	5850.80	75.97	78.20	-2.23	71.04	4.80	34.73	34.60	Peak	252	100	VERTICAL
4	5860.40	67.05	68.20	-1.15	62.05	4.81	34.79	34.60	Peak	252	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5148.40	52.79	54.00	-1.21	49.84	4.34	33.14	34.53	Average	116	100	VERTICAL
2	5150.00	70.64	74.00	-3.36	67.69	4.34	33.14	34.53	Peak	116	100	VERTICAL
3	5193.20	100.09			97.03	4.37	33.22	34.53	Average	116	100	VERTICAL
4	5203.20	111.74			108.68	4.37	33.22	34.53	Peak	116	100	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5147.60	52.75	54.00	-1.25	49.80	4.34	33.14	34.53	Average	114	100	VERTICAL
2	5148.40	67.28	74.00	-6.72	64.33	4.34	33.14	34.53	Peak	114	100	VERTICAL
3	5232.80	105.63			102.50	4.39	33.27	34.53	Average	114	100	VERTICAL
4	5233.20	117.91			114.78	4.39	33.27	34.53	Peak	114	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5714.20	67.01	68.20	-1.19	62.56	4.71	34.32	34.58	Peak	231	100	VERTICAL
2	5724.60	74.97	78.20	-3.23	70.46	4.72	34.37	34.58	Peak	231	100	VERTICAL
3	5759.80	112.16			107.52	4.74	34.48	34.58	Peak	231	100	VERTICAL
4	5759.80	100.02			95.38	4.74	34.48	34.58	Average	231	100	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5791.40	113.90			109.15	4.76	34.58	34.59	Peak	252	100	VERTICAL
2	5791.40	101.84			97.09	4.76	34.58	34.59	Average	252	100	VERTICAL
3	5851.20	71.95	78.20	-6.25	67.02	4.80	34.73	34.60	Peak	252	100	VERTICAL
4	5861.20	66.92	68.20	-1.28	61.92	4.81	34.79	34.60	Peak	252	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5142.80	52.99	54.00	-1.01	50.04	4.34	33.14	34.53	Average	116	100	VERTICAL
2	5147.60	67.41	74.00	-6.59	64.46	4.34	33.14	34.53	Peak	116	100	VERTICAL
3	5213.20	95.23			92.13	4.38	33.25	34.53	Average	116	100	VERTICAL
4	5214.00	108.62			105.52	4.38	33.25	34.53	Peak	116	100	VERTICAL
5	5358.00	45.00	54.00	-9.00	41.60	4.47	33.46	34.53	Average	116	100	VERTICAL
6	5370.80	57.78	74.00	-16.22	54.34	4.48	33.49	34.53	Peak	116	100	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5710.80	66.51	68.20	-1.69	62.06	4.71	34.32	34.58	Peak	252	100	VERTICAL
2	5721.40	69.36	78.20	-8.84	64.85	4.72	34.37	34.58	Peak	252	100	VERTICAL
3	5786.40	108.67			103.92	4.76	34.58	34.59	Peak	252	100	VERTICAL
4	5791.20	95.20			90.45	4.76	34.58	34.59	Average	252	100	VERTICAL
5	5850.00	68.86	78.20	-9.34	63.93	4.80	34.73	34.60	Peak	252	100	VERTICAL
6	5860.00	66.99	68.20	-1.21	61.99	4.81	34.79	34.60	Peak	252	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.50	70.73	74.00	-3.27	67.13	5.99	33.02	35.41	104	20	VERTICAL	Peak
2	5150.00	52.44	54.00	-1.56	48.84	5.99	33.02	35.41	104	20	VERTICAL	Average
3	5181.00	101.98			98.36	6.01	33.04	35.43	104	20	VERTICAL	Average
4	5181.50	112.21			108.59	6.01	33.04	35.43	104	20	VERTICAL	Peak

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.50	68.45	74.00	-5.55	64.85	5.99	33.02	35.41	104	20	VERTICAL	Peak
2	5150.00	52.59	54.00	-1.41	48.99	5.99	33.02	35.41	104	20	VERTICAL	Average
3	5199.00	105.62			101.98	6.02	33.05	35.43	104	20	VERTICAL	Average
4	5202.00	115.83			112.18	6.02	33.06	35.43	104	20	VERTICAL	Peak

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5125.50	49.22	54.00	-4.78	45.66	5.98	32.99	35.41	102	9	VERTICAL	Average
2	5127.50	63.58	74.00	-10.42	60.00	5.98	33.01	35.41	102	9	VERTICAL	Peak
3	5238.50	107.96			104.27	6.05	33.09	35.45	102	9	VERTICAL	Average
4	5242.00	118.38			114.69	6.05	33.09	35.45	102	9	VERTICAL	Peak
5	5353.50	47.04	54.00	-6.96	43.01	6.12	33.40	35.49	102	9	VERTICAL	Average
6	5358.50	59.35	74.00	-14.65	55.27	6.12	33.45	35.49	102	9	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 2
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.50	66.85	68.20	-1.35	61.69	6.35	34.16	35.35	101	15	VERTICAL	Peak
2	5722.50	74.08	78.20	-4.12	68.89	6.35	34.18	35.34	101	15	VERTICAL	Peak
3	5745.50	98.50			93.25	6.37	34.20	35.32	101	15	VERTICAL	Average
4	5750.00	109.14			103.89	6.37	34.20	35.32	101	15	VERTICAL	Peak
5	5850.00	59.02	78.20	-19.18	53.22	6.43	34.60	35.23	101	15	VERTICAL	Peak
6	5860.00	62.40	68.20	-5.80	56.51	6.44	34.67	35.22	101	15	VERTICAL	Peak

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.00	64.11	68.20	-4.09	58.96	6.34	34.16	35.35	100	5	VERTICAL	Peak
2	5724.00	66.38	78.20	-11.82	61.19	6.35	34.18	35.34	100	5	VERTICAL	Peak
3	5784.00	114.55			109.12	6.39	34.33	35.29	100	5	VERTICAL	Peak
4	5786.50	103.76			98.33	6.39	34.33	35.29	100	5	VERTICAL	Average
5	5850.00	68.79	78.20	-9.41	62.99	6.43	34.60	35.23	100	5	VERTICAL	Peak
6	5862.00	66.79	68.20	-1.41	60.90	6.44	34.67	35.22	100	5	VERTICAL	Peak

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5701.00	60.10	68.20	-8.10	54.98	6.34	34.14	35.36	108	6	VERTICAL	Peak
2	5725.00	59.25	78.20	-18.95	54.06	6.35	34.18	35.34	108	6	VERTICAL	Peak
3	5823.00	109.37			103.68	6.42	34.53	35.26	108	6	VERTICAL	Average
4	5826.50	98.65			92.95	6.42	34.53	35.25	108	6	VERTICAL	Average
5	5850.00	72.93	78.20	-5.27	67.13	6.43	34.60	35.23	108	6	VERTICAL	Peak
6	5865.50	66.95	68.20	-1.25	61.06	6.44	34.67	35.22	108	6	VERTICAL	Average

Item 3, 4 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.50	67.21	74.00	-6.79	63.61	5.99	33.02	35.41	104	20	VERTICAL	Peak
2	5150.00	52.57	54.00	-1.43	48.97	5.99	33.02	35.41	104	20	VERTICAL	Average
3	5185.50	96.23			92.61	6.01	33.04	35.43	104	20	VERTICAL	Average
4	5203.00	106.63			102.97	6.03	33.06	35.43	104	20	VERTICAL	Peak

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	52.56	54.00	-1.44	48.96	5.99	33.02	35.41	122	8	VERTICAL	Average
2	5150.00	65.84	74.00	-8.16	62.24	5.99	33.02	35.41	122	8	VERTICAL	Peak
3	5235.50	102.08			98.39	6.04	33.09	35.44	122	8	VERTICAL	Average
4	5240.50	113.19			109.50	6.05	33.09	35.45	122	8	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 2
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.50	66.63	68.20	-1.57	61.48	6.34	34.16	35.35	101	16	VERTICAL	Peak
2	5724.50	70.89	78.20	-7.31	65.70	6.35	34.18	35.34	101	16	VERTICAL	Peak
3	5749.50	104.85			99.60	6.37	34.20	35.32	101	16	VERTICAL	Peak
4	5760.00	93.60			88.26	6.38	34.27	35.31	101	16	VERTICAL	Average
5	5850.00	58.80	78.20	-19.40	53.00	6.43	34.60	35.23	101	16	VERTICAL	Peak
6	5868.50	61.79	68.20	-6.41	55.89	6.45	34.67	35.22	101	16	VERTICAL	Peak

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	58.20	68.20	-10.00	53.04	6.35	34.16	35.35	107	8	VERTICAL	Peak
2	5725.00	59.05	78.20	-19.15	53.86	6.35	34.18	35.34	107	8	VERTICAL	Peak
3	5798.50	95.16			89.64	6.40	34.40	35.28	107	8	VERTICAL	Average
4	5805.50	106.06			100.45	6.41	34.47	35.27	107	8	VERTICAL	Peak
5	5850.00	69.48	78.20	-8.72	63.68	6.43	34.60	35.23	107	8	VERTICAL	Peak
6	5868.50	66.79	68.20	-1.41	60.89	6.45	34.67	35.22	107	8	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 2
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.50	66.81	74.00	-7.19	63.21	5.99	33.02	35.41	114	9	VERTICAL	Peak
2	5150.00	52.47	54.00	-1.53	48.87	5.99	33.02	35.41	114	9	VERTICAL	Average
3	5194.00	103.73			100.09	6.02	33.05	35.43	114	9	VERTICAL	Peak
4	5197.50	91.22			87.58	6.02	33.05	35.43	114	9	VERTICAL	Average

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.50	63.66	68.20	-4.54	58.51	6.34	34.16	35.35	109	12	VERTICAL	Peak
2	5724.50	67.47	78.20	-10.73	62.28	6.35	34.18	35.34	109	12	VERTICAL	Peak
3	5797.50	102.33			96.81	6.40	34.40	35.28	109	12	VERTICAL	Peak
4	5801.50	90.18			84.65	6.40	34.40	35.27	109	12	VERTICAL	Average
5	5852.00	67.71	78.20	-10.49	61.90	6.44	34.60	35.23	109	12	VERTICAL	Peak
6	5870.50	66.66	68.20	-1.54	60.75	6.45	34.67	35.21	109	12	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	52.73	54.00	-1.27	49.13	5.99	33.02	35.41	112	346	VERTICAL	Average
2	5150.00	70.24	74.00	-3.76	66.64	5.99	33.02	35.41	112	346	VERTICAL	Peak
3	5182.00	115.19			111.57	6.01	33.04	35.43	112	346	VERTICAL	Peak
4	5182.50	105.30			101.68	6.01	33.04	35.43	112	346	VERTICAL	Average

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5141.00	65.08	74.00	-8.92	61.49	5.99	33.01	35.41	112	358	VERTICAL	Peak
2	5150.00	52.45	54.00	-1.55	48.85	5.99	33.02	35.41	112	358	VERTICAL	Average
3	5201.00	109.25			105.61	6.02	33.05	35.43	112	358	VERTICAL	Average
4	5201.00	118.86			115.22	6.02	33.05	35.43	112	358	VERTICAL	Peak

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5118.00	65.54	74.00	-8.46	61.98	5.97	32.99	35.40	113	7	VERTICAL	Peak
2	5118.50	52.59	54.00	-1.41	49.03	5.97	32.99	35.40	113	7	VERTICAL	Average
3	5239.00	110.67			106.98	6.05	33.09	35.45	113	7	VERTICAL	Average
4	5239.00	120.38			116.69	6.05	33.09	35.45	113	7	VERTICAL	Peak
5	5352.00	48.09	54.00	-5.91	44.07	6.11	33.40	35.49	113	7	VERTICAL	Average
6	5359.50	61.12	74.00	-12.88	57.04	6.12	33.45	35.49	113	7	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	67.15	68.20	-1.05	61.99	6.35	34.16	35.35	100	344	VERTICAL	Peak
2	5725.00	74.28	78.20	-3.92	69.09	6.35	34.18	35.34	100	344	VERTICAL	Peak
3	5742.00	112.02			106.79	6.36	34.20	35.33	100	344	VERTICAL	Peak
4	5744.50	101.98			96.74	6.36	34.20	35.32	100	344	VERTICAL	Average
5	5856.00	61.58	78.20	-16.62	55.70	6.44	34.67	35.23	100	344	VERTICAL	Peak
6	5862.00	62.74	68.20	-5.46	56.85	6.44	34.67	35.22	100	344	VERTICAL	Peak

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5708.00	65.95	68.20	-2.25	60.81	6.34	34.16	35.36	100	344	VERTICAL	Peak
2	5725.00	65.74	78.20	-12.46	60.55	6.35	34.18	35.34	100	344	VERTICAL	Peak
3	5787.00	107.59			102.16	6.39	34.33	35.29	100	344	VERTICAL	Average
4	5787.00	117.46			112.03	6.39	34.33	35.29	100	344	VERTICAL	Peak
5	5850.00	63.98	78.20	-14.22	58.18	6.43	34.60	35.23	100	344	VERTICAL	Peak
6	5862.00	66.66	68.20	-1.54	60.77	6.44	34.67	35.22	100	344	VERTICAL	Average

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.00	60.02	68.20	-8.18	54.92	6.33	34.14	35.37	100	12	VERTICAL	Peak
2	5725.00	58.25	78.20	-19.95	53.06	6.35	34.18	35.34	100	12	VERTICAL	Peak
3	5822.00	111.27			105.64	6.42	34.47	35.26	100	12	VERTICAL	Peak
4	5827.00	101.32			95.62	6.42	34.53	35.25	100	12	VERTICAL	Average
5	5852.50	70.61	78.20	-7.59	64.80	6.44	34.60	35.23	100	12	VERTICAL	Peak
6	5860.00	66.87	68.20	-1.33	60.98	6.44	34.67	35.22	100	12	VERTICAL	Peak

Item 3, 4 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	52.74	54.00	-1.26	49.14	5.99	33.02	35.41	114	347	VERTICAL	Average
2	5150.00	70.54	74.00	-3.46	66.94	5.99	33.02	35.41	114	347	VERTICAL	Peak
3	5185.00	99.94			96.32	6.01	33.04	35.43	114	347	VERTICAL	Average
4	5185.00	109.97			106.35	6.01	33.04	35.43	114	347	VERTICAL	Peak

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.50	65.16	74.00	-8.84	61.56	5.99	33.02	35.41	112	8	VERTICAL	Peak
2	5149.50	52.41	54.00	-1.59	48.81	5.99	33.02	35.41	112	8	VERTICAL	Average
3	5224.00	104.70			101.02	6.04	33.08	35.44	112	8	VERTICAL	Average
4	5227.00	114.46			110.78	6.04	33.08	35.44	112	8	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.00	66.88	68.20	-1.32	61.74	6.34	34.16	35.36	100	346	VERTICAL	Peak
2	5725.00	67.87	78.20	-10.33	62.68	6.35	34.18	35.34	100	346	VERTICAL	Peak
3	5738.00	107.79			102.58	6.36	34.18	35.33	100	346	VERTICAL	Peak
4	5749.50	97.33			92.08	6.37	34.20	35.32	100	346	VERTICAL	Average
5	5850.00	60.47	78.20	-17.73	54.67	6.43	34.60	35.23	100	346	VERTICAL	Peak
6	5889.50	61.42	68.20	-6.78	55.43	6.46	34.73	35.20	100	346	VERTICAL	Peak

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.50	60.85	68.20	-7.35	55.73	6.34	34.14	35.36	100	12	VERTICAL	Peak
2	5725.00	59.79	78.20	-18.41	54.60	6.35	34.18	35.34	100	12	VERTICAL	Peak
3	5799.00	110.75			105.23	6.40	34.40	35.28	100	12	VERTICAL	Peak
4	5799.50	99.46			93.94	6.40	34.40	35.28	100	12	VERTICAL	Average
5	5854.50	67.55	78.20	-10.65	61.74	6.44	34.60	35.23	100	12	VERTICAL	Peak
6	5860.00	66.99	68.20	-1.21	61.10	6.44	34.67	35.22	100	12	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.50	69.02	74.00	-4.98	65.42	5.99	33.02	35.41	113	7	VERTICAL	Peak
2	5150.00	52.76	54.00	-1.24	49.16	5.99	33.02	35.41	113	7	VERTICAL	Average
3	5199.00	95.27			91.63	6.02	33.05	35.43	113	7	VERTICAL	Average
4	5221.50	106.83			103.15	6.04	33.08	35.44	113	7	VERTICAL	Peak
5	5350.00	43.74	54.00	-10.26	39.72	6.11	33.40	35.49	113	7	VERTICAL	Average
6	5358.00	57.82	74.00	-16.18	53.74	6.12	33.45	35.49	113	7	VERTICAL	Peak

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.00	66.80	68.20	-1.40	61.68	6.34	34.14	35.36	100	345	VERTICAL	Peak
2	5724.50	65.13	78.20	-13.07	59.94	6.35	34.18	35.34	100	345	VERTICAL	Peak
3	5789.50	93.61			88.11	6.39	34.40	35.29	100	345	VERTICAL	Average
4	5799.00	105.45			99.93	6.40	34.40	35.28	100	345	VERTICAL	Peak
5	5850.00	63.83	78.20	-14.37	58.03	6.43	34.60	35.23	100	345	VERTICAL	Peak
6	5864.50	63.78	68.20	-4.42	57.89	6.44	34.67	35.22	100	345	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5150.00	71.61	74.00	-2.39	68.66	4.34	33.14	34.53	Peak	50	100	VERTICAL
2	5150.00	52.59	54.00	-1.41	49.64	4.34	33.14	34.53	Average	50	100	VERTICAL
3	5185.00	116.14			113.12	4.36	33.19	34.53	Peak	50	100	VERTICAL
4	5185.00	105.08			102.06	4.36	33.19	34.53	Average	50	100	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5078.00	52.71	54.00	-1.29	49.91	4.30	33.03	34.53	Average	360	117	VERTICAL
2	5123.00	63.65	74.00	-10.35	60.74	4.33	33.11	34.53	Peak	360	117	VERTICAL
3	5199.00	121.00			117.94	4.37	33.22	34.53	Peak	360	117	VERTICAL
4	5199.00	111.07			108.01	4.37	33.22	34.53	Average	360	117	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5118.00	62.73	74.00	-11.27	59.85	4.32	33.09	34.53	Peak	358	116	VERTICAL
2	5128.00	51.92	54.00	-2.08	49.01	4.33	33.11	34.53	Average	358	116	VERTICAL
3	5238.00	122.76			119.63	4.39	33.27	34.53	Peak	358	116	VERTICAL
4	5238.80	112.93			109.80	4.39	33.27	34.53	Average	358	116	VERTICAL
5	5354.00	63.78	74.00	-10.22	60.38	4.47	33.46	34.53	Peak	358	116	VERTICAL
6	5359.00	52.67	54.00	-1.33	49.27	4.47	33.46	34.53	Average	358	116	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.80	67.16	68.20	-1.04	62.00	6.35	34.16	35.35	100	348	VERTICAL	Peak
2	5720.20	72.45	78.20	-5.75	67.29	6.35	34.16	35.35	100	348	VERTICAL	Peak
3	5739.80	103.72			98.49	6.36	34.20	35.33	100	348	VERTICAL	Average
4	5739.90	114.90			109.67	6.36	34.20	35.33	100	348	VERTICAL	Peak

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.20	66.86	68.20	-1.34	61.72	6.34	34.16	35.36	100	16	VERTICAL	Peak
2	5718.00	69.52	78.20	-8.68	64.36	6.35	34.16	35.35	100	16	VERTICAL	Peak
3	5784.60	109.20			103.77	6.39	34.33	35.29	100	16	VERTICAL	Average
4	5790.20	119.88			114.36	6.40	34.40	35.28	100	16	VERTICAL	Peak
5	5850.80	66.01	78.20	-12.19	60.21	6.43	34.60	35.23	100	16	VERTICAL	Peak
6	5860.40	66.90	68.20	-1.30	61.01	6.44	34.67	35.22	100	16	VERTICAL	Peak

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5819.80	105.02			99.40	6.41	34.47	35.26	100	349	VERTICAL	Average
2	5820.00	115.73			110.11	6.41	34.47	35.26	100	349	VERTICAL	Peak
3	5850.20	76.55	78.20	-1.65	70.75	6.43	34.60	35.23	100	349	VERTICAL	Peak
4	5860.40	63.65	68.20	-4.55	57.76	6.44	34.67	35.22	100	349	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5148.80	52.67	54.00	-1.33	49.72	4.34	33.14	34.53	Average	360	118	VERTICAL
2	5149.00	67.55	74.00	-6.45	64.60	4.34	33.14	34.53	Peak	360	118	VERTICAL
3	5184.00	113.21			110.19	4.36	33.19	34.53	Peak	360	118	VERTICAL
4	5194.00	101.65			98.59	4.37	33.22	34.53	Average	360	118	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5145.00	64.47	74.00	-9.53	61.52	4.34	33.14	34.53	Peak	360	116	VERTICAL
2	5149.00	52.79	54.00	-1.21	49.84	4.34	33.14	34.53	Average	360	116	VERTICAL
3	5234.00	117.90			114.77	4.39	33.27	34.53	Peak	360	116	VERTICAL
4	5234.00	107.55			104.42	4.39	33.27	34.53	Average	360	116	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.00	66.40	68.20	-1.80	61.26	6.34	34.16	35.36	100	350	VERTICAL	Peak
2	5724.80	71.00	78.20	-7.20	65.81	6.35	34.18	35.34	100	350	VERTICAL	Peak
3	5760.00	100.73			95.39	6.38	34.27	35.31	100	350	VERTICAL	Average
4	5760.00	111.76			106.42	6.38	34.27	35.31	100	350	VERTICAL	Peak

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5800.00	102.50			96.98	6.40	34.40	35.28	100	17	VERTICAL	Average
2	5800.20	114.15			108.63	6.40	34.40	35.28	100	17	VERTICAL	Peak
3	5850.60	72.48	78.20	-5.72	66.68	6.43	34.60	35.23	100	17	VERTICAL	Peak
4	5860.40	66.90	68.20	-1.30	61.01	6.44	34.67	35.22	100	17	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5148.00	52.55	54.00	-1.45	49.60	4.34	33.14	34.53	Average	360	116	VERTICAL
2	5150.00	70.25	74.00	-3.75	67.30	4.34	33.14	34.53	Peak	360	116	VERTICAL
3	5204.00	108.71			105.65	4.37	33.22	34.53	Peak	360	116	VERTICAL
4	5204.00	95.87			92.81	4.37	33.22	34.53	Average	360	116	VERTICAL
5	5350.00	46.45	54.00	-7.55	43.05	4.47	33.46	34.53	Average	360	116	VERTICAL
6	5351.00	58.96	74.00	-15.04	55.56	4.47	33.46	34.53	Peak	360	116	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	66.60	68.20	-1.60	61.44	6.35	34.16	35.35	100	349	VERTICAL	Peak
2	5720.60	68.33	78.20	-9.87	63.17	6.35	34.16	35.35	100	349	VERTICAL	Peak
3	5784.80	108.69			103.26	6.39	34.33	35.29	100	349	VERTICAL	Peak
4	5789.80	95.56			90.05	6.39	34.40	35.28	100	349	VERTICAL	Average

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

<For Beamforming Mode>

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.20	70.74	74.00	-3.26	65.80	6.13	34.01	35.20	Peak	107	65	VERTICAL
2	5150.00	52.66	54.00	-1.34	47.72	6.13	34.01	35.20	Average	107	65	VERTICAL
3	5178.80	103.74			98.71	6.15	34.08	35.20	Average	107	65	VERTICAL
4	5179.20	115.15			110.12	6.15	34.08	35.20	Peak	107	65	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.57	54.00	-1.43	47.63	6.13	34.01	35.20	Average	106	66	VERTICAL
2	5150.00	67.68	74.00	-6.32	62.74	6.13	34.01	35.20	Peak	106	66	VERTICAL
3	5208.00	108.64			103.56	6.17	34.11	35.20	Average	106	66	VERTICAL
4	5208.00	119.58			114.50	6.17	34.11	35.20	Peak	106	66	VERTICAL
5	5361.00	49.41	54.00	-4.59	43.92	6.27	34.42	35.20	Average	106	66	VERTICAL
6	5365.00	61.03	74.00	-12.97	55.50	6.27	34.46	35.20	Peak	106	66	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5113.00	63.15	74.00	-10.85	58.30	6.11	33.94	35.20	Peak	100	62	VERTICAL
2	5119.00	51.61	54.00	-2.39	46.76	6.11	33.94	35.20	Average	100	62	VERTICAL
3	5239.00	119.36			114.20	6.18	34.18	35.20	Peak	100	62	VERTICAL
4	5241.00	108.20			103.04	6.18	34.18	35.20	Average	100	62	VERTICAL
5	5361.00	52.65	54.00	-1.35	47.16	6.27	34.42	35.20	Average	100	62	VERTICAL
6	5367.00	65.38	74.00	-8.62	59.85	6.27	34.46	35.20	Peak	100	62	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	67.11	68.20	-1.09	61.00	6.44	34.87	35.20	Peak	101	236	VERTICAL
2	5724.00	76.13	78.20	-2.07	69.99	6.45	34.89	35.20	Peak	101	236	VERTICAL
3	5743.00	102.29			96.14	6.45	34.90	35.20	Average	101	236	VERTICAL
4	5744.00	114.20			108.05	6.45	34.90	35.20	Peak	101	236	VERTICAL
5	5858.00	63.20	78.20	-15.00	56.92	6.50	34.98	35.20	Peak	101	236	VERTICAL
6	5863.00	64.26	68.20	-3.94	57.97	6.50	34.99	35.20	Peak	101	236	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5711.00	66.72	68.20	-1.48	60.61	6.44	34.87	35.20	Peak	100	237	VERTICAL
2	5725.00	67.50	78.20	-10.70	61.36	6.45	34.89	35.20	Peak	100	237	VERTICAL
3	5783.00	119.01			112.82	6.46	34.93	35.20	Peak	100	237	VERTICAL
4	5784.00	107.54			101.35	6.46	34.93	35.20	Average	100	237	VERTICAL
5	5857.00	69.85	78.20	-8.35	63.57	6.50	34.98	35.20	Peak	100	237	VERTICAL
6	5863.00	66.83	68.20	-1.37	60.54	6.50	34.99	35.20	Peak	100	237	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5663.00	60.69	68.20	-7.51	54.64	6.42	34.83	35.20	Average	100	240	VERTICAL
2	5723.00	58.11	78.20	-20.09	51.97	6.45	34.89	35.20	Average	100	240	VERTICAL
3	5822.00	116.27			110.04	6.48	34.95	35.20	Average	100	240	VERTICAL
4	5823.00	104.10			97.87	6.48	34.95	35.20	Average	100	240	VERTICAL
5	5850.00	71.72	78.20	-6.48	65.45	6.49	34.98	35.20	Average	100	240	VERTICAL
6	5860.00	66.76	68.20	-1.44	60.47	6.50	34.99	35.20	Average	100	240	VERTICAL

Item 3, 4 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.20	72.14	74.00	-1.86	67.20	6.13	34.01	35.20	Peak	105	36	VERTICAL
2	5150.00	52.97	54.00	-1.03	48.03	6.13	34.01	35.20	Average	105	36	VERTICAL
3	5184.80	99.58			94.55	6.15	34.08	35.20	Average	105	36	VERTICAL
4	5185.60	110.18			105.15	6.15	34.08	35.20	Peak	105	36	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5141.00	64.96	74.00	-9.04	60.05	6.13	33.98	35.20	Peak	101	233	VERTICAL
2	5150.00	52.46	54.00	-1.54	47.52	6.13	34.01	35.20	Average	101	233	VERTICAL
3	5225.00	117.11			111.98	6.18	34.15	35.20	Peak	101	233	VERTICAL
4	5235.00	105.67			100.51	6.18	34.18	35.20	Average	101	233	VERTICAL
5	5354.00	50.75	54.00	-3.25	45.27	6.26	34.42	35.20	Average	101	233	VERTICAL
6	5356.00	63.34	74.00	-10.66	57.86	6.26	34.42	35.20	Peak	101	233	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	66.70	68.20	-1.50	60.59	6.44	34.87	35.20	Average	100	100	VERTICAL
2	5722.00	74.60	78.20	-3.60	68.48	6.45	34.87	35.20	Average	100	100	VERTICAL
3	5768.00	99.32			93.15	6.46	34.91	35.20	Average	100	100	VERTICAL
4	5768.00	109.76			103.59	6.46	34.91	35.20	Average	100	100	VERTICAL
5	5852.00	59.45	78.20	-18.75	53.18	6.49	34.98	35.20	Average	100	100	VERTICAL
6	5866.00	60.07	68.20	-8.13	53.78	6.50	34.99	35.20	Average	100	100	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.00	60.78	68.20	-7.42	54.69	6.43	34.86	35.20	Peak	100	238	VERTICAL
2	5718.00	65.79	78.20	-12.41	59.67	6.45	34.87	35.20	Peak	100	238	VERTICAL
3	5782.00	99.62			93.43	6.46	34.93	35.20	Average	100	238	VERTICAL
4	5791.00	111.47			105.26	6.47	34.94	35.20	Peak	100	238	VERTICAL
5	5851.00	69.00	78.20	-9.20	62.73	6.49	34.98	35.20	Peak	100	238	VERTICAL
6	5861.00	67.05	68.20	-1.15	60.76	6.50	34.99	35.20	Peak	100	238	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.00	70.17	74.00	-3.83	65.23	6.13	34.01	35.20	Peak	100	63	VERTICAL
2	5150.00	52.84	54.00	-1.16	47.90	6.13	34.01	35.20	Average	100	63	VERTICAL
3	5207.00	107.15			102.08	6.16	34.11	35.20	Peak	100	63	VERTICAL
4	5224.00	96.53			91.41	6.17	34.15	35.20	Average	100	63	VERTICAL
5	5354.00	47.06	54.00	-6.94	41.58	6.26	34.42	35.20	Average	100	63	VERTICAL
6	5355.00	59.47	74.00	-14.53	53.99	6.26	34.42	35.20	Peak	100	63	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.00	66.95	68.20	-1.25	60.84	6.44	34.87	35.20	Peak	100	101	VERTICAL
2	5717.00	68.54	78.20	-9.66	62.43	6.44	34.87	35.20	Peak	100	101	VERTICAL
3	5783.00	109.71			103.52	6.46	34.93	35.20	Peak	100	101	VERTICAL
4	5784.00	96.85			90.66	6.46	34.93	35.20	Average	100	101	VERTICAL
5	5852.00	70.33	78.20	-7.87	64.06	6.49	34.98	35.20	Peak	100	101	VERTICAL
6	5860.00	65.63	68.20	-2.57	59.34	6.50	34.99	35.20	Peak	100	101	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5149.40	70.09	74.00	-3.91	67.14	4.34	33.14	34.53	Peak	116	100	VERTICAL
2	5150.00	52.76	54.00	-1.24	49.81	4.34	33.14	34.53	Average	116	100	VERTICAL
3	5182.00	106.65			103.63	4.36	33.19	34.53	Average	116	100	VERTICAL
4	5182.20	120.29			117.27	4.36	33.19	34.53	Peak	116	100	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5126.60	65.50	74.00	-8.50	62.59	4.33	33.11	34.53	Peak	232	100	VERTICAL
2	5128.00	52.86	54.00	-1.14	49.95	4.33	33.11	34.53	Average	232	100	VERTICAL
3	5201.20	107.63			104.57	4.37	33.22	34.53	Average	232	100	VERTICAL
4	5201.80	120.93			117.87	4.37	33.22	34.53	Peak	232	100	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5118.80	62.84	74.00	-11.16	59.96	4.32	33.09	34.53	Peak	117	100	VERTICAL
2	5118.80	50.87	54.00	-3.13	47.99	4.32	33.09	34.53	Average	117	100	VERTICAL
3	5232.20	108.55			105.42	4.39	33.27	34.53	Average	117	100	VERTICAL
4	5237.00	121.45			118.32	4.39	33.27	34.53	Peak	117	100	VERTICAL
5	5353.00	52.86	54.00	-1.14	49.46	4.47	33.46	34.53	Average	117	100	VERTICAL
6	5360.80	66.02	74.00	-7.98	62.58	4.48	33.49	34.53	Peak	117	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	Cm	
1	5714.00	67.07	68.20	-1.13	62.62	4.71	34.32	34.58	Peak	287	100	VERTICAL
2	5724.00	74.86	78.20	-3.34	70.35	4.72	34.37	34.58	Peak	287	100	VERTICAL
3	5744.00	105.44			100.87	4.73	34.42	34.58	Average	287	100	VERTICAL
4	5745.00	117.60			113.03	4.73	34.42	34.58	Peak	287	100	VERTICAL
5	5857.00	62.24	78.20	-15.96	57.24	4.81	34.79	34.60	Peak	287	100	VERTICAL
6	5867.00	62.56	68.20	-5.64	57.56	4.81	34.79	34.60	Peak	287	100	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	Cm	
1	5705.00	65.74	68.20	-2.46	61.29	4.71	34.32	34.58	Peak	60	100	VERTICAL
2	5725.00	59.98	78.20	-18.22	55.47	4.72	34.37	34.58	Peak	60	100	VERTICAL
3	5782.00	107.02			102.33	4.75	34.53	34.59	Average	60	100	VERTICAL
4	5783.00	120.31			115.62	4.75	34.53	34.59	Peak	60	100	VERTICAL
5	5856.00	65.20	78.20	-13.00	60.20	4.81	34.79	34.60	Peak	60	100	VERTICAL
6	5862.00	66.66	68.20	-1.54	61.66	4.81	34.79	34.60	Peak	60	100	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	Cm	
1	5701.00	59.79	68.20	-8.41	55.33	4.71	34.32	34.57	Peak	291	100	VERTICAL
2	5720.00	56.84	78.20	-21.36	52.33	4.72	34.37	34.58	Peak	291	100	VERTICAL
3	5823.00	105.43			100.56	4.79	34.68	34.60	Average	291	100	VERTICAL
4	5825.00	116.92			112.05	4.79	34.68	34.60	Peak	291	100	VERTICAL
5	5850.00	75.10	78.20	-3.10	70.17	4.80	34.73	34.60	Peak	291	100	VERTICAL
6	5861.00	66.94	68.20	-1.26	61.94	4.81	34.79	34.60	Peak	291	100	VERTICAL

Item 3, 4 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5149.60	65.50	74.00	-8.50	62.55	4.34	33.14	34.53	Peak	115	101	VERTICAL
2	5150.00	52.97	54.00	-1.03	50.02	4.34	33.14	34.53	Average	115	101	VERTICAL
3	5184.80	113.26			110.24	4.36	33.19	34.53	Peak	115	101	VERTICAL
4	5186.40	100.46			97.44	4.36	33.19	34.53	Average	115	101	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5145.20	67.83	74.00	-6.17	64.88	4.34	33.14	34.53	Peak	232	100	VERTICAL
2	5147.60	52.88	54.00	-1.12	49.93	4.34	33.14	34.53	Average	232	100	VERTICAL
3	5225.60	116.71			113.58	4.39	33.27	34.53	Peak	232	100	VERTICAL
4	5226.40	105.07			101.94	4.39	33.27	34.53	Average	232	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5715.00	66.79	68.20	-1.41	62.34	4.71	34.32	34.58	Average	118	100	VERTICAL
2	5724.00	69.41	78.20	-8.79	64.90	4.72	34.37	34.58	Average	118	100	VERTICAL
3	5747.00	112.95			108.38	4.73	34.42	34.58	Average	118	100	VERTICAL
4	5760.00	99.95			95.31	4.74	34.48	34.58	Average	118	100	VERTICAL
5	5850.00	60.90	78.20	-17.30	55.97	4.80	34.73	34.60	Average	118	100	VERTICAL
6	5874.00	60.61	68.20	-7.59	55.55	4.82	34.84	34.60	Average	118	100	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5681.00	60.34	68.20	-7.86	56.01	4.68	34.22	34.57	Peak	114	100	VERTICAL
2	5725.00	65.22	78.20	-12.98	60.71	4.72	34.37	34.58	Peak	114	100	VERTICAL
3	5798.00	102.11			97.36	4.76	34.58	34.59	Average	114	100	VERTICAL
4	5801.00	113.82			109.07	4.76	34.58	34.59	Peak	114	100	VERTICAL
5	5853.00	69.47	78.20	-8.73	64.54	4.80	34.73	34.60	Peak	114	100	VERTICAL
6	5860.00	66.63	68.20	-1.57	61.63	4.81	34.79	34.60	Peak	114	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5146.00	67.62	74.00	-6.38	64.67	4.34	33.14	34.53	Peak	115	100	VERTICAL
2	5147.60	52.88	54.00	-1.12	49.93	4.34	33.14	34.53	Average	115	100	VERTICAL
3	5172.40	107.77			104.78	4.35	33.17	34.53	Peak	115	100	VERTICAL
4	5224.40	95.53			92.43	4.38	33.25	34.53	Average	115	100	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5702.00	66.75	68.20	-1.45	62.29	4.71	34.32	34.57	Peak	289	100	VERTICAL
2	5721.00	69.96	78.20	-8.24	65.45	4.72	34.37	34.58	Peak	289	100	VERTICAL
3	5751.00	111.84			107.27	4.73	34.42	34.58	Peak	289	100	VERTICAL
4	5769.00	96.65			91.95	4.75	34.53	34.58	Average	289	100	VERTICAL
5	5853.00	66.27	78.20	-11.93	61.34	4.80	34.73	34.60	Peak	289	100	VERTICAL
6	5865.00	64.16	68.20	-4.04	59.16	4.81	34.79	34.60	Peak	289	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5146.96	72.35	74.00	-1.65	69.40	4.34	33.14	34.53	Peak	18	132	VERTICAL
2	5150.00	52.94	54.00	-1.06	49.99	4.34	33.14	34.53	Average	18	132	VERTICAL
3	5177.76	106.43			103.41	4.36	33.19	34.53	Average	18	132	VERTICAL
4	5178.08	117.24			114.22	4.36	33.19	34.53	Peak	18	132	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5078.37	65.89	74.00	-8.11	63.09	4.30	33.03	34.53	Peak	65	100	VERTICAL
2	5080.77	52.90	54.00	-1.10	50.10	4.30	33.03	34.53	Average	65	100	VERTICAL
3	5198.08	119.86			116.80	4.37	33.22	34.53	Peak	65	100	VERTICAL
4	5198.56	109.07			106.01	4.37	33.22	34.53	Average	65	100	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5126.92	65.88	74.00	-8.12	62.97	4.33	33.11	34.53	Peak	12	116	VERTICAL
2	5126.92	52.81	54.00	-1.19	49.90	4.33	33.11	34.53	Average	12	116	VERTICAL
3	5239.52	111.46			108.33	4.39	33.27	34.53	Average	12	116	VERTICAL
4	5246.73	121.67			118.50	4.40	33.30	34.53	Peak	12	116	VERTICAL
5	5362.50	64.44	74.00	-9.56	61.00	4.48	33.49	34.53	Peak	12	116	VERTICAL
6	5362.50	52.06	54.00	-1.94	48.62	4.48	33.49	34.53	Average	12	116	VERTICAL

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

Temperature	24℃	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5715.00	66.63	68.20	-1.57	62.18	4.71	34.32	34.58	Peak	15	105	VERTICAL
2	5725.00	76.40	78.20	-1.80	71.89	4.72	34.37	34.58	Peak	15	105	VERTICAL
3	5747.56	118.13			113.56	4.73	34.42	34.58	Peak	15	105	VERTICAL
4	5747.56	107.54			102.97	4.73	34.42	34.58	Average	15	105	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5708.75	63.81	68.20	-4.39	59.36	4.71	34.32	34.58	Peak	7	103	VERTICAL
2	5722.60	62.72	78.20	-15.48	58.21	4.72	34.37	34.58	Peak	7	103	VERTICAL
3	5786.92	122.16			117.41	4.76	34.58	34.59	Peak	7	103	VERTICAL
4	5786.92	111.53			106.78	4.76	34.58	34.59	Average	7	103	VERTICAL
5	5850.00	67.59	78.20	-10.61	62.66	4.80	34.73	34.60	Peak	7	103	VERTICAL
6	5861.92	67.00	68.20	-1.20	62.00	4.81	34.79	34.60	Peak	7	103	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5824.36	107.06			102.19	4.79	34.68	34.60	Average	8	103	VERTICAL
2	5827.24	118.14			113.27	4.79	34.68	34.60	Peak	8	103	VERTICAL
3	5850.00	75.25	78.20	-2.95	70.32	4.80	34.73	34.60	Peak	8	103	VERTICAL
4	5860.00	67.01	68.20	-1.19	62.01	4.81	34.79	34.60	Peak	8	103	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5149.04	52.80	54.00	-1.20	49.85	4.34	33.14	34.53	Average	2	116	VERTICAL
2	5149.68	65.87	74.00	-8.13	62.92	4.34	33.14	34.53	Peak	2	116	VERTICAL
3	5193.85	113.71			110.65	4.37	33.22	34.53	Peak	2	116	VERTICAL
4	5193.85	101.97			98.91	4.37	33.22	34.53	Average	2	116	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5147.44	52.93	54.00	-1.07	49.98	4.34	33.14	34.53	Average	12	116	VERTICAL
2	5148.40	66.80	74.00	-7.20	63.85	4.34	33.14	34.53	Peak	12	116	VERTICAL
3	5224.55	107.15			104.02	4.39	33.27	34.53	Average	12	116	VERTICAL
4	5234.81	119.03			115.90	4.39	33.27	34.53	Peak	12	116	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5715.00	66.77	68.20	-1.43	62.32	4.71	34.32	34.58	Peak	14	105	VERTICAL
2	5723.40	73.37	78.20	-4.83	68.86	4.72	34.37	34.58	Peak	14	105	VERTICAL
3	5749.87	114.45			109.88	4.73	34.42	34.58	Peak	14	105	VERTICAL
4	5749.87	103.08			98.51	4.73	34.42	34.58	Average	14	105	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5789.55	116.28			111.53	4.76	34.58	34.59	Peak	9	102	VERTICAL
2	5792.12	104.44			99.69	4.76	34.58	34.59	Average	9	102	VERTICAL
3	5850.00	71.98	78.20	-6.22	67.05	4.80	34.73	34.60	Peak	9	102	VERTICAL
4	5860.00	67.13	68.20	-1.07	62.13	4.81	34.79	34.60	Peak	9	102	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5149.36	52.98	54.00	-1.02	50.03	4.34	33.14	34.53	Average	3	116	VERTICAL
2	5150.00	69.75	74.00	-4.25	66.80	4.34	33.14	34.53	Peak	3	116	VERTICAL
3	5199.10	107.95			104.89	4.37	33.22	34.53	Peak	3	116	VERTICAL
4	5199.10	96.41			93.35	4.37	33.22	34.53	Average	3	116	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5715.00	63.29	68.20	-4.91	58.84	4.71	34.32	34.58	Peak	7	102	VERTICAL
2	5724.36	66.99	78.20	-11.21	62.48	4.72	34.37	34.58	Peak	7	102	VERTICAL
3	5789.10	98.62			93.87	4.76	34.58	34.59	Average	7	102	VERTICAL
4	5798.72	111.37			106.62	4.76	34.58	34.59	Peak	7	102	VERTICAL
5	5850.00	70.94	78.20	-7.26	66.01	4.80	34.73	34.60	Peak	7	102	VERTICAL
6	5860.00	67.16	68.20	-1.04	62.16	4.81	34.79	34.60	Peak	7	102	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5150.00	67.61	74.00	-6.39	64.66	4.34	33.14	34.53	Peak	344	116	VERTICAL
2	5150.00	52.84	54.00	-1.16	49.89	4.34	33.14	34.53	Average	344	116	VERTICAL
3	5172.79	107.79			104.80	4.35	33.17	34.53	Average	344	116	VERTICAL
4	5184.01	119.26			116.24	4.36	33.19	34.53	Peak	344	116	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5112.34	52.55	54.00	-1.45	49.67	4.32	33.09	34.53	Average	345	126	VERTICAL
2	5140.39	64.66	74.00	-9.34	61.71	4.34	33.14	34.53	Peak	345	126	VERTICAL
3	5197.60	110.72			107.66	4.37	33.22	34.53	Average	345	126	VERTICAL
4	5199.20	121.28			118.22	4.37	33.22	34.53	Peak	345	126	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5125.96	64.41	74.00	-9.59	61.50	4.33	33.11	34.53	Peak	361	115	VERTICAL
2	5127.56	52.79	54.00	-1.21	49.88	4.33	33.11	34.53	Average	361	115	VERTICAL
3	5232.79	111.38			108.25	4.39	33.27	34.53	Average	361	115	VERTICAL
4	5237.60	121.63			118.50	4.39	33.27	34.53	Peak	361	115	VERTICAL
5	5352.40	64.14	74.00	-9.86	60.74	4.47	33.46	34.53	Peak	361	115	VERTICAL
6	5352.40	52.22	54.00	-1.78	48.82	4.47	33.46	34.53	Average	361	115	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	Cm	
1	5710.99	66.97	68.20	-1.23	62.52	4.71	34.32	34.58	Peak	345	112	VERTICAL
2	5720.99	73.75	78.20	-4.45	69.24	4.72	34.37	34.58	Peak	345	112	VERTICAL
3	5743.40	116.99			112.42	4.73	34.42	34.58	Peak	345	112	VERTICAL
4	5746.60	104.42			99.85	4.73	34.42	34.58	Average	345	112	VERTICAL
5	5853.21	59.40	78.20	-18.80	54.47	4.80	34.73	34.60	Peak	345	112	VERTICAL
6	5860.80	62.46	68.20	-5.74	57.46	4.81	34.79	34.60	Peak	345	112	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	Cm	
1	5712.60	65.12	68.20	-3.08	60.67	4.71	34.32	34.58	Average	346	111	VERTICAL
2	5725.00	63.24	78.20	-14.96	58.73	4.72	34.37	34.58	Average	346	111	VERTICAL
3	5782.60	122.02			117.33	4.75	34.53	34.59	Average	346	111	VERTICAL
4	5787.40	109.82			105.07	4.76	34.58	34.59	Peak	346	111	VERTICAL
5	5850.00	66.12	78.20	-12.08	61.19	4.80	34.73	34.60	Average	346	111	VERTICAL
6	5863.62	67.03	68.20	-1.17	62.03	4.81	34.79	34.60	Average	346	111	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	Cm	
1	5706.19	61.39	68.20	-6.81	56.94	4.71	34.32	34.58	Peak	346	102	VERTICAL
2	5721.80	57.46	78.20	-20.74	52.95	4.72	34.37	34.58	Peak	346	102	VERTICAL
3	5826.60	106.89			102.02	4.79	34.68	34.60	Average	346	102	VERTICAL
4	5833.01	118.03			113.16	4.79	34.68	34.60	Peak	346	102	VERTICAL
5	5850.00	75.91	78.20	-2.29	70.98	4.80	34.73	34.60	Peak	346	102	VERTICAL
6	5862.40	66.81	68.20	-1.39	61.81	4.81	34.79	34.60	Peak	346	102	VERTICAL

Item 3, 4 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5149.20	52.60	54.00	-1.40	49.65	4.34	33.14	34.53	Average	360	118	VERTICAL
2	5150.00	64.56	74.00	-9.44	61.61	4.34	33.14	34.53	Peak	360	118	VERTICAL
3	5184.39	111.96			108.94	4.36	33.19	34.53	Peak	360	118	VERTICAL
4	5186.80	102.59			99.57	4.36	33.19	34.53	Average	360	118	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5147.60	66.37	74.00	-7.63	63.42	4.34	33.14	34.53	Peak	360	117	VERTICAL
2	5148.40	52.81	54.00	-1.19	49.86	4.34	33.14	34.53	Average	360	117	VERTICAL
3	5223.59	106.59			103.49	4.38	33.25	34.53	Average	360	117	VERTICAL
4	5233.21	116.96			113.83	4.39	33.27	34.53	Peak	360	117	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5706.99	66.67	68.20	-1.53	62.22	4.71	34.32	34.58	Peak	349	112	VERTICAL
2	5722.60	71.86	78.20	-6.34	67.35	4.72	34.37	34.58	Peak	349	112	VERTICAL
3	5758.21	114.48			109.84	4.74	34.48	34.58	Peak	349	112	VERTICAL
4	5759.01	102.80			98.16	4.74	34.48	34.58	Average	349	112	VERTICAL
5	5850.00	60.88	78.20	-17.32	55.95	4.80	34.73	34.60	Peak	349	112	VERTICAL
6	5862.40	61.10	68.20	-7.10	56.10	4.81	34.79	34.60	Peak	349	112	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5709.39	61.86	68.20	-6.34	57.41	4.71	34.32	34.58	Average	347	103	VERTICAL
2	5725.00	64.64	78.20	-13.56	60.13	4.72	34.37	34.58	Average	347	103	VERTICAL
3	5799.01	105.25			100.50	4.76	34.58	34.59	Peak	347	103	VERTICAL
4	5799.01	116.28			111.53	4.76	34.58	34.59	Average	347	103	VERTICAL
5	5850.80	69.56	78.20	-8.64	64.63	4.80	34.73	34.60	Average	347	103	VERTICAL
6	5862.40	66.78	68.20	-1.42	61.78	4.81	34.79	34.60	Average	347	103	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	May 30, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5147.60	67.75	74.00	-6.25	64.80	4.34	33.14	34.53	Peak	363	116	VERTICAL
2	5150.00	52.47	54.00	-1.53	49.52	4.34	33.14	34.53	Average	360	116	VERTICAL
3	5201.19	106.94			103.88	4.37	33.22	34.53	Peak	363	116	VERTICAL
4	5217.21	96.94			93.84	4.38	33.25	34.53	Average	360	116	VERTICAL
5	5350.80	56.10	74.00	-17.90	52.70	4.47	33.46	34.53	Peak	363	116	VERTICAL
6	5350.80	42.70	54.00	-11.30	39.30	4.47	33.46	34.53	Average	363	116	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5704.58	66.82	68.20	-1.38	62.36	4.71	34.32	34.57	Peak	348	113	VERTICAL
2	5725.00	67.97	78.20	-10.23	63.46	4.72	34.37	34.58	Peak	348	113	VERTICAL
3	5744.55	111.92			107.35	4.73	34.42	34.58	Peak	348	113	VERTICAL
4	5791.03	100.01			95.26	4.76	34.58	34.59	Average	348	113	VERTICAL
5	5850.00	65.05	78.20	-13.15	60.12	4.80	34.73	34.60	Peak	348	113	VERTICAL
6	5860.00	63.20	68.20	-5.00	58.20	4.81	34.79	34.60	Peak	348	113	VERTICAL

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

<For STBC Mode>

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.80	67.42	74.00	-6.58	62.48	6.13	34.01	35.20	Peak	100	113	VERTICAL
2	5150.00	52.42	54.00	-1.58	47.48	6.13	34.01	35.20	Average	100	113	VERTICAL
3	5177.80	101.56			96.53	6.15	34.08	35.20	Average	100	113	VERTICAL
4	5187.60	112.79			107.76	6.15	34.08	35.20	Peak	100	113	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.20	66.91	74.00	-7.09	61.97	6.13	34.01	35.20	Peak	100	114	VERTICAL
2	5149.60	52.53	54.00	-1.47	47.59	6.13	34.01	35.20	Average	100	114	VERTICAL
3	5197.60	106.65			101.58	6.16	34.11	35.20	Average	100	114	VERTICAL
4	5201.20	118.72			113.65	6.16	34.11	35.20	Peak	100	114	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5113.40	49.52	54.00	-4.48	44.67	6.11	33.94	35.20	Average	100	234	VERTICAL
2	5113.40	61.32	74.00	-12.68	56.47	6.11	33.94	35.20	Peak	100	234	VERTICAL
3	5233.40	106.59			101.43	6.18	34.18	35.20	Average	100	234	VERTICAL
4	5238.80	118.02			112.86	6.18	34.18	35.20	Peak	100	234	VERTICAL
5	5366.80	52.62	54.00	-1.38	47.09	6.27	34.46	35.20	Average	100	234	VERTICAL
6	5367.40	65.67	74.00	-8.33	60.14	6.27	34.46	35.20	Peak	100	234	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.60	66.72	68.20	-1.48	60.61	6.44	34.87	35.20	Peak	101	302	VERTICAL
2	5721.00	72.67	78.20	-5.53	66.55	6.45	34.87	35.20	Peak	101	302	VERTICAL
3	5742.60	101.02			94.87	6.45	34.90	35.20	Average	101	302	VERTICAL
4	5743.00	112.91			106.76	6.45	34.90	35.20	Peak	101	302	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5711.80	67.07	68.20	-1.13	60.96	6.44	34.87	35.20	Peak	100	100	VERTICAL
2	5722.60	68.52	78.20	-9.68	62.40	6.45	34.87	35.20	Peak	100	100	VERTICAL
3	5784.20	120.25			114.06	6.46	34.93	35.20	Peak	100	100	VERTICAL
4	5787.00	107.68			101.48	6.47	34.93	35.20	Average	100	100	VERTICAL
5	5854.80	68.60	78.20	-9.60	62.32	6.50	34.98	35.20	Peak	100	100	VERTICAL
6	5870.00	66.81	68.20	-1.39	60.52	6.50	34.99	35.20	Peak	100	100	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5817.40	114.56			108.33	6.48	34.95	35.20	Peak	100	240	VERTICAL
2	5822.60	103.29			97.06	6.48	34.95	35.20	Average	100	240	VERTICAL
3	5850.00	74.46	78.20	-3.74	68.19	6.49	34.98	35.20	Peak	100	240	VERTICAL
4	5861.60	66.41	68.20	-1.79	60.12	6.50	34.99	35.20	Peak	100	240	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.80	72.28	74.00	-1.72	67.34	6.13	34.01	35.20	Peak	100	306	VERTICAL
2	5150.00	52.69	54.00	-1.31	47.75	6.13	34.01	35.20	Average	100	306	VERTICAL
3	5193.20	97.60			92.56	6.16	34.08	35.20	Average	100	306	VERTICAL
4	5202.80	110.47			105.40	6.16	34.11	35.20	Peak	100	306	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.60	66.97	74.00	-7.03	62.03	6.13	34.01	35.20	Peak	100	233	VERTICAL
2	5148.40	52.54	54.00	-1.46	47.60	6.13	34.01	35.20	Average	100	233	VERTICAL
3	5226.40	103.66			98.53	6.18	34.15	35.20	Average	100	233	VERTICAL
4	5227.20	116.06			110.93	6.18	34.15	35.20	Peak	100	233	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.40	66.94	68.20	-1.26	60.83	6.44	34.87	35.20	Peak	102	239	VERTICAL
2	5722.60	71.30	78.20	-6.90	65.18	6.45	34.87	35.20	Peak	102	239	VERTICAL
3	5760.20	110.29			104.12	6.46	34.91	35.20	Peak	102	239	VERTICAL
4	5763.00	97.85			91.68	6.46	34.91	35.20	Average	102	239	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5791.00	111.75			105.54	6.47	34.94	35.20	Peak	100	74	VERTICAL
2	5791.40	98.91			92.70	6.47	34.94	35.20	Average	100	74	VERTICAL
3	5850.40	69.42	78.20	-8.78	63.15	6.49	34.98	35.20	Peak	100	74	VERTICAL
4	5881.60	66.87	68.20	-1.33	60.56	6.50	35.01	35.20	Peak	100	74	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	May 26, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 2TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5138.00	67.03	74.00	-6.97	62.13	6.12	33.98	35.20	Peak	107	65	VERTICAL
2	5150.00	52.56	54.00	-1.44	47.62	6.13	34.01	35.20	Average	107	65	VERTICAL
3	5198.00	93.28			88.21	6.16	34.11	35.20	Average	107	65	VERTICAL
4	5216.00	106.39			101.27	6.17	34.15	35.20	Peak	107	65	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.40	66.95	68.20	-1.25	60.84	6.44	34.87	35.20	Peak	100	298	VERTICAL
2	5719.60	66.62	78.20	-11.58	60.50	6.45	34.87	35.20	Peak	100	298	VERTICAL
3	5784.00	107.43			101.24	6.46	34.93	35.20	Peak	100	298	VERTICAL
4	5787.00	93.19			86.99	6.47	34.93	35.20	Average	100	298	VERTICAL
5	5850.60	65.55	78.20	-12.65	59.28	6.49	34.98	35.20	Peak	100	298	VERTICAL
6	5866.60	64.95	68.20	-3.25	58.66	6.50	34.99	35.20	Peak	100	298	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5150.00	68.09	74.00	-5.91	65.14	4.34	33.14	34.53	Peak	117	100	VERTICAL
2	5150.00	52.43	54.00	-1.57	49.48	4.34	33.14	34.53	Average	117	100	VERTICAL
3	5173.40	106.66			103.67	4.35	33.17	34.53	Average	117	100	VERTICAL
4	5177.40	117.50			114.48	4.36	33.19	34.53	Peak	117	100	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5149.20	68.83	74.00	-5.17	65.88	4.34	33.14	34.53	Peak	116	100	VERTICAL
2	5150.00	52.81	54.00	-1.19	49.86	4.34	33.14	34.53	Average	116	100	VERTICAL
3	5193.20	109.60			106.54	4.37	33.22	34.53	Average	116	100	VERTICAL
4	5199.20	120.72			117.66	4.37	33.22	34.53	Peak	116	100	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5124.20	64.00	74.00	-10.00	61.09	4.33	33.11	34.53	Peak	119	100	VERTICAL
2	5126.60	51.00	54.00	-3.00	48.09	4.33	33.11	34.53	Average	119	100	VERTICAL
3	5233.40	110.70			107.57	4.39	33.27	34.53	Average	119	100	VERTICAL
4	5241.80	121.91			118.74	4.40	33.30	34.53	Peak	119	100	VERTICAL
5	5353.60	52.77	54.00	-1.23	49.37	4.47	33.46	34.53	Average	119	100	VERTICAL
6	5357.80	65.16	74.00	-8.84	61.76	4.47	33.46	34.53	Peak	119	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5715.00	67.12	68.20	-1.08	62.67	4.71	34.32	34.58	Peak	118	100	VERTICAL
2	5723.40	75.41	78.20	-2.79	70.90	4.72	34.37	34.58	Peak	118	100	VERTICAL
3	5747.00	104.95			100.38	4.73	34.42	34.58	Average	118	100	VERTICAL
4	5747.40	116.57			112.00	4.73	34.42	34.58	Peak	118	100	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5710.80	67.02	68.20	-1.18	62.57	4.71	34.32	34.58	Peak	118	100	VERTICAL
2	5725.00	67.86	78.20	-10.34	63.35	4.72	34.37	34.58	Peak	118	100	VERTICAL
3	5786.80	110.31			105.56	4.76	34.58	34.59	Average	118	100	VERTICAL
4	5788.00	122.33			117.58	4.76	34.58	34.59	Peak	118	100	VERTICAL
5	5850.00	68.61	78.20	-9.59	63.68	4.80	34.73	34.60	Peak	118	100	VERTICAL
6	5860.60	66.77	68.20	-1.43	61.77	4.81	34.79	34.60	Peak	118	100	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5827.00	104.80			99.93	4.79	34.68	34.60	Average	118	100	VERTICAL
2	5827.80	116.38			111.51	4.79	34.68	34.60	Peak	118	100	VERTICAL
3	5850.00	76.71	78.20	-1.49	71.78	4.80	34.73	34.60	Peak	118	100	VERTICAL
4	5860.40	67.14	68.20	-1.06	62.14	4.81	34.79	34.60	Peak	118	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5150.00	68.54	74.00	-5.46	65.59	4.34	33.14	34.53	Peak	117	100	VERTICAL
2	5150.00	52.95	54.00	-1.05	50.00	4.34	33.14	34.53	Average	117	100	VERTICAL
3	5184.00	111.99			108.97	4.36	33.19	34.53	Peak	117	100	VERTICAL
4	5193.60	100.24			97.18	4.37	33.22	34.53	Average	117	100	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5141.60	68.38	74.00	-5.62	65.43	4.34	33.14	34.53	Peak	118	100	VERTICAL
2	5148.80	52.63	54.00	-1.37	49.68	4.34	33.14	34.53	Average	118	100	VERTICAL
3	5233.20	106.81			103.68	4.39	33.27	34.53	Average	118	100	VERTICAL
4	5235.60	118.25			115.12	4.39	33.27	34.53	Peak	118	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5709.40	67.16	68.20	-1.04	62.71	4.71	34.32	34.58	Peak	56	100	VERTICAL
2	5722.20	71.73	78.20	-6.47	67.22	4.72	34.37	34.58	Peak	56	100	VERTICAL
3	5758.60	100.46			95.82	4.74	34.48	34.58	Average	56	100	VERTICAL
4	5760.20	113.03			108.39	4.74	34.48	34.58	Peak	56	100	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5707.80	63.81	68.20	-4.39	59.36	4.71	34.32	34.58	Peak	117	100	VERTICAL
2	5725.00	62.97	78.20	-15.23	58.46	4.72	34.37	34.58	Peak	117	100	VERTICAL
3	5789.80	115.82			111.07	4.76	34.58	34.59	Peak	117	100	VERTICAL
4	5791.40	102.28			97.53	4.76	34.58	34.59	Average	117	100	VERTICAL
5	5850.00	70.96	78.20	-7.24	66.03	4.80	34.73	34.60	Peak	117	100	VERTICAL
6	5860.00	67.04	68.20	-1.16	62.04	4.81	34.79	34.60	Peak	117	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	May 27, 2014	Test Mode	Mode 1 (Ant. 2 Dipole antenna / 5dBi / 3TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5145.20	67.69	74.00	-6.31	64.74	4.34	33.14	34.53	Peak	118	100	VERTICAL
2	5150.00	52.88	54.00	-1.12	49.93	4.34	33.14	34.53	Average	118	100	VERTICAL
3	5213.20	95.18			92.08	4.38	33.25	34.53	Average	118	100	VERTICAL
4	5214.00	108.04			104.94	4.38	33.25	34.53	Peak	118	100	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	5714.40	66.95	68.20	-1.25	62.50	4.71	34.32	34.58	Peak	118	100	VERTICAL
2	5719.00	71.14	78.20	-7.06	66.63	4.72	34.37	34.58	Peak	118	100	VERTICAL
3	5787.00	96.30			91.55	4.76	34.58	34.59	Average	118	100	VERTICAL
4	5790.00	110.16			105.41	4.76	34.58	34.59	Peak	118	100	VERTICAL
5	5850.00	65.82	78.20	-12.38	60.89	4.80	34.73	34.60	Peak	118	100	VERTICAL
6	5867.20	64.77	68.20	-3.43	59.77	4.81	34.79	34.60	Peak	118	100	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.50	66.01	74.00	-7.99	62.41	5.99	33.02	35.41	123	11	VERTICAL	Peak
2	5150.00	52.54	54.00	-1.46	48.94	5.99	33.02	35.41	123	11	VERTICAL	Average
3	5182.00	104.60			100.98	6.01	33.04	35.43	123	11	VERTICAL	Average
4	5188.00	114.26			110.62	6.02	33.05	35.43	123	11	VERTICAL	Peak

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	52.61	54.00	-1.39	49.01	5.99	33.02	35.41	102	349	VERTICAL	Average
2	5150.00	65.10	74.00	-8.90	61.50	5.99	33.02	35.41	102	349	VERTICAL	Peak
3	5198.00	107.68			104.04	6.02	33.05	35.43	102	349	VERTICAL	Average
4	5198.50	116.97			113.33	6.02	33.05	35.43	102	349	VERTICAL	Peak

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5122.00	52.57	54.00	-1.43	49.00	5.98	32.99	35.40	134	342	VERTICAL	Average
2	5127.00	63.72	74.00	-10.28	60.14	5.98	33.01	35.41	134	342	VERTICAL	Peak
3	5241.00	115.80			112.11	6.05	33.09	35.45	134	342	VERTICAL	Peak
4	5242.00	107.22			103.53	6.05	33.09	35.45	134	342	VERTICAL	Average
5	5360.00	61.16	74.00	-12.84	57.08	6.12	33.45	35.49	134	342	VERTICAL	Peak
6	5361.50	48.36	54.00	-5.64	44.28	6.12	33.45	35.49	134	342	VERTICAL	Average

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.40	67.19	68.20	-1.01	62.04	6.34	34.16	35.35	100	352	VERTICAL	Peak
2	5722.60	72.30	78.20	-5.90	67.11	6.35	34.18	35.34	100	352	VERTICAL	Peak
3	5742.00	111.26			106.03	6.36	34.20	35.33	100	352	VERTICAL	Peak
4	5743.00	101.15			95.92	6.36	34.20	35.33	100	352	VERTICAL	Average
5	5852.50	59.81	78.20	-18.39	54.00	6.44	34.60	35.23	100	352	VERTICAL	Peak
6	5861.00	60.21	68.20	-7.99	54.32	6.44	34.67	35.22	100	352	VERTICAL	Peak

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.50	65.31	68.20	-2.89	60.19	6.34	34.14	35.36	100	12	VERTICAL	Peak
2	5725.00	66.58	78.20	-11.62	61.39	6.35	34.18	35.34	100	12	VERTICAL	Peak
3	5787.00	108.71			103.28	6.39	34.33	35.29	100	12	VERTICAL	Average
4	5787.00	120.30			114.87	6.39	34.33	35.29	100	12	VERTICAL	Peak
5	5854.50	68.74	78.20	-9.46	62.93	6.44	34.60	35.23	100	12	VERTICAL	Peak
6	5861.00	66.99	68.20	-1.21	61.10	6.44	34.67	35.22	100	12	VERTICAL	Peak

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.50	59.99	68.20	-8.21	54.87	6.34	34.14	35.36	100	12	VERTICAL	Peak
2	5722.50	59.05	78.20	-19.15	53.86	6.35	34.18	35.34	100	12	VERTICAL	Peak
3	5821.50	112.28			106.65	6.42	34.47	35.26	100	12	VERTICAL	Average
4	5827.00	102.48			96.78	6.42	34.53	35.25	100	12	VERTICAL	Average
5	5851.00	72.30	78.20	-5.90	66.50	6.43	34.60	35.23	100	12	VERTICAL	Peak
6	5862.00	66.97	68.20	-1.23	61.08	6.44	34.67	35.22	100	12	VERTICAL	Peak

Item 3, 4 are the fundamental frequency at 5825 MHz.

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.00	67.20	74.00	-6.80	63.60	5.99	33.02	35.41	123	8	VERTICAL	Peak
2	5150.00	52.54	54.00	-1.46	48.94	5.99	33.02	35.41	123	8	VERTICAL	Average
3	5184.00	110.63			107.01	6.01	33.04	35.43	123	8	VERTICAL	Peak
4	5186.50	99.38			95.75	6.02	33.04	35.43	123	8	VERTICAL	Average

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.00	66.48	74.00	-7.52	62.88	5.99	33.02	35.41	122	7	VERTICAL	Peak
2	5150.00	52.53	54.00	-1.47	48.93	5.99	33.02	35.41	122	7	VERTICAL	Average
3	5226.00	116.50			112.82	6.04	33.08	35.44	122	7	VERTICAL	Peak
4	5226.50	104.87			101.19	6.04	33.08	35.44	122	7	VERTICAL	Average

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.00	66.83	68.20	-1.37	61.68	6.34	34.16	35.35	100	16	VERTICAL	Peak
2	5725.50	70.26	78.20	-7.94	65.07	6.35	34.18	35.34	100	16	VERTICAL	Peak
3	5749.00	108.95			103.70	6.37	34.20	35.32	100	16	VERTICAL	Peak
4	5763.00	97.52			92.18	6.38	34.27	35.31	100	16	VERTICAL	Average
5	5850.00	60.29	78.20	-17.91	54.49	6.43	34.60	35.23	100	16	VERTICAL	Peak
6	5865.00	61.25	68.20	-6.95	55.36	6.44	34.67	35.22	100	16	VERTICAL	Peak

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	60.51	68.20	-7.69	55.36	6.34	34.16	35.35	100	16	VERTICAL	Peak
2	5725.00	60.13	78.20	-18.07	54.94	6.35	34.18	35.34	100	16	VERTICAL	Peak
3	5799.50	110.65			105.13	6.40	34.40	35.28	100	16	VERTICAL	Peak
4	5800.00	98.48			92.96	6.40	34.40	35.28	100	16	VERTICAL	Average
5	5850.00	67.80	78.20	-10.40	62.00	6.43	34.60	35.23	100	16	VERTICAL	Peak
6	5860.00	66.76	68.20	-1.44	60.87	6.44	34.67	35.22	100	16	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 2TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.50	69.42	74.00	-4.58	65.82	5.99	33.02	35.41	124	6	VERTICAL	Peak
2	5150.00	52.43	54.00	-1.57	48.83	5.99	33.02	35.41	124	6	VERTICAL	Average
3	5218.50	107.18			103.51	6.03	33.08	35.44	124	6	VERTICAL	Peak
4	5222.00	94.36			90.68	6.04	33.08	35.44	124	6	VERTICAL	Average
5	5350.00	43.92	54.00	-10.08	39.90	6.11	33.40	35.49	124	6	VERTICAL	Average
6	5362.50	57.69	74.00	-16.31	53.61	6.12	33.45	35.49	124	6	VERTICAL	Peak

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5706.50	66.68	68.20	-1.52	61.54	6.34	34.16	35.36	100	12	VERTICAL	Peak
2	5720.50	66.43	78.20	-11.77	61.27	6.35	34.16	35.35	100	12	VERTICAL	Peak
3	5787.00	93.40			87.97	6.39	34.33	35.29	100	12	VERTICAL	Average
4	5804.00	106.45			100.92	6.40	34.40	35.27	100	12	VERTICAL	Peak
5	5850.00	63.71	78.20	-14.49	57.91	6.43	34.60	35.23	100	12	VERTICAL	Peak
6	5869.00	64.04	68.20	-4.16	58.14	6.45	34.67	35.22	100	12	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	Cm	
1	5150.00	68.68	74.00	-5.32	65.73	4.34	33.14	34.53	Peak	343	116	VERTICAL
2	5150.00	52.67	54.00	-1.33	49.72	4.34	33.14	34.53	Average	343	116	VERTICAL
3	5181.00	119.37			116.35	4.36	33.19	34.53	Peak	343	116	VERTICAL
4	5182.00	108.47			105.45	4.36	33.19	34.53	Average	343	116	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	Cm	
1	5077.00	64.57	74.00	-9.43	61.77	4.30	33.03	34.53	Peak	20	119	VERTICAL
2	5082.00	52.56	54.00	-1.44	49.76	4.30	33.03	34.53	Average	20	119	VERTICAL
3	5198.00	109.69			106.63	4.37	33.22	34.53	Average	20	119	VERTICAL
4	5202.00	119.25			116.19	4.37	33.22	34.53	Peak	20	119	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	Cm	
1	5126.00	61.46	74.00	-12.54	58.55	4.33	33.11	34.53	Peak	343	114	VERTICAL
2	5126.00	49.96	54.00	-4.04	47.05	4.33	33.11	34.53	Average	343	114	VERTICAL
3	5242.00	121.05			117.88	4.40	33.30	34.53	Peak	343	114	VERTICAL
4	5242.00	109.76			106.59	4.40	33.30	34.53	Average	343	114	VERTICAL
5	5361.00	65.65	74.00	-8.35	62.21	4.48	33.49	34.53	Peak	343	114	VERTICAL
6	5362.00	52.72	54.00	-1.28	49.28	4.48	33.49	34.53	Average	343	114	VERTICAL

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.60	66.43	68.20	-1.77	61.28	6.34	34.16	35.35	118	13	VERTICAL	Peak
2	5724.60	74.99	78.20	-3.21	69.80	6.35	34.18	35.34	118	13	VERTICAL	Peak
3	5743.40	115.08			109.85	6.36	34.20	35.33	118	13	VERTICAL	Peak
4	5747.20	104.55			99.30	6.37	34.20	35.32	118	13	VERTICAL	Average

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.20	65.20	68.20	-3.00	60.05	6.34	34.16	35.35	110	11	VERTICAL	Peak
2	5723.60	66.92	78.20	-11.28	61.73	6.35	34.18	35.34	110	11	VERTICAL	Peak
3	5786.40	120.65			115.22	6.39	34.33	35.29	110	11	VERTICAL	Peak
4	5787.20	109.35			103.92	6.39	34.33	35.29	110	11	VERTICAL	Average
5	5856.40	66.75	78.20	-11.45	60.87	6.44	34.67	35.23	110	11	VERTICAL	Peak
6	5862.00	66.78	68.20	-1.42	60.89	6.44	34.67	35.22	110	11	VERTICAL	Peak

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	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5826.50	117.25			111.55	6.42	34.53	35.25	118	12	VERTICAL	Peak
2	5827.20	106.29			100.59	6.42	34.53	35.25	118	12	VERTICAL	Average
3	5850.10	77.00	78.20	-1.20	71.20	6.43	34.60	35.23	118	12	VERTICAL	Peak
4	5864.50	66.74	68.20	-1.46	60.85	6.44	34.67	35.22	118	12	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.00	65.61	74.00	-8.39	62.01	5.99	33.02	35.41	122	355	VERTICAL	Peak
2	5150.00	52.65	54.00	-1.35	49.05	5.99	33.02	35.41	122	355	VERTICAL	Average
3	5193.40	102.05			98.41	6.02	33.05	35.43	122	355	VERTICAL	Average
4	5194.00	113.50			109.86	6.02	33.05	35.43	122	355	VERTICAL	Peak

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.20	67.56	74.00	-6.44	63.96	5.99	33.02	35.41	121	353	VERTICAL	Peak
2	5149.00	53.00	54.00	-1.00	49.40	5.99	33.02	35.41	121	353	VERTICAL	Average
3	5232.00	119.04			115.35	6.04	33.09	35.44	121	353	VERTICAL	Peak
4	5233.40	107.65			103.96	6.04	33.09	35.44	121	353	VERTICAL	Average

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.20	67.07	68.20	-1.13	61.92	6.34	34.16	35.35	100	349	VERTICAL	Peak
2	5725.00	70.85	78.20	-7.35	65.66	6.35	34.18	35.34	100	349	VERTICAL	Peak
3	5759.60	99.84			94.51	6.37	34.27	35.31	100	349	VERTICAL	Average
4	5760.60	111.46			106.12	6.38	34.27	35.31	100	349	VERTICAL	Peak

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5791.60	101.49			95.97	6.40	34.40	35.28	117	11	VERTICAL	Average
2	5801.00	114.49			108.97	6.40	34.40	35.28	117	11	VERTICAL	Peak
3	5850.00	69.69	78.20	-8.51	63.89	6.43	34.60	35.23	117	11	VERTICAL	Peak
4	5860.00	67.09	68.20	-1.11	61.20	6.44	34.67	35.22	117	11	VERTICAL	Peak

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

Temperature	24°C	Humidity	56%
Test Engineer	Nick Peng	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3
Test Date	May 29, 2014	Test Mode	Mode 2 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5144.00	64.26	74.00	-9.74	60.66	5.99	33.02	35.41	112	12	VERTICAL	Peak
2	5150.00	52.66	54.00	-1.34	49.06	5.99	33.02	35.41	112	12	VERTICAL	Average
3	5220.00	109.03			105.35	6.04	33.08	35.44	112	12	VERTICAL	Peak
4	5222.00	96.67			92.99	6.04	33.08	35.44	112	12	VERTICAL	Average

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.00	66.83	68.20	-1.37	61.71	6.34	34.14	35.36	100	346	VERTICAL	Peak
2	5725.50	69.14	78.20	-9.06	63.95	6.35	34.18	35.34	100	346	VERTICAL	Peak
3	5787.00	96.17			90.74	6.39	34.33	35.29	100	346	VERTICAL	Average
4	5788.00	108.32			102.89	6.39	34.33	35.29	100	346	VERTICAL	Peak
5	5850.00	65.10	78.20	-13.10	59.30	6.43	34.60	35.23	100	346	VERTICAL	Peak
6	5860.00	65.05	68.20	-3.15	59.16	6.44	34.67	35.22	100	346	VERTICAL	Peak

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

4.8. Frequency Stability Measurement

4.8.1. Limit

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

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

4.8.2. Measuring Instruments and Setting

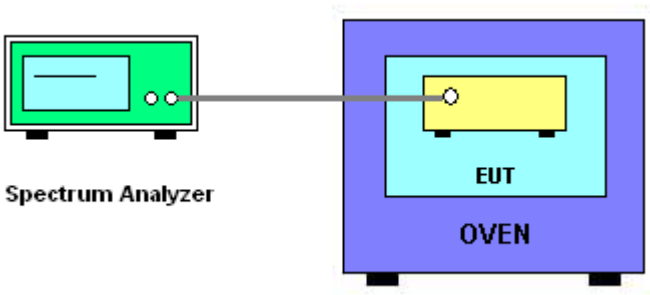
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

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

4.8.3. Test Procedures

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

4.8.4. Test Setup Layout



4.8.5. Test Deviation

There is no deviation with the original standard.

4.8.6. EUT Operation during Test

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

4.8.7. Test Result of Frequency Stability

Temperature	22°C	Humidity	55%
Test Engineer	Serway Li	Test Date	Jun. 16, 2014

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5200 MHz
126.50	5199.9594
110.00	5199.9598
93.50	5199.9599
Max. Deviation (MHz)	0.040600
Max. Deviation (ppm)	7.81

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5200 MHz
-20	5199.9582
-10	5199.9588
0	5199.9592
10	5199.9596
20	5199.9598
30	5199.9606
40	5199.9614
Max. Deviation (MHz)	0.041800
Max. Deviation (ppm)	8.04

4.9. Antenna Requirements

4.9.1. Limit

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

4.9.2. Antenna Connector Construction

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

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100355	9kHz ~ 2.75GHz	Apr. 23, 2014	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Nov. 23, 2013	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 11, 2013	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	Dec. 04, 2013	Conduction (CO01-CB)
Software	Audix	E3	5.410e	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112B	2928	30MHz ~ 2GHz	Dec. 27, 2013	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30MHz	Nov. 05, 2012*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz~18GHz	Nov. 01, 2013	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBEAK	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Dec. 17, 2013	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Nov. 12, 2013	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Dec. 16, 2013	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Oct. 23, 2013	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100019	9kHz~40GHz	Dec. 02, 2013	Radiation (03CH01-CB)
EMI Test Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8GHz	Dec. 12, 2013	Radiation (03CH01-CB)
Turn Table	INN CO	CO 2000	N/A	0 ~ 360 degree	N.C.R.	Radiation (03CH01-CB)
Antenna Mast	INN CO	CO2000	N/A	1 m - 4 m	N.C.R.	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30MHz - 1GHz	Nov. 17, 2013	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-3	N/A	1GHz – 40GHz	Nov. 17, 2013	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-4	N/A	1GHz – 40GHz	Nov. 17, 2013	Radiation (03CH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2014	Conducted (TH01-CB)
Signal Generator	R&S	SMR40	100302	10MHz-40GHz	Dec. 02, 2013	Conducted (TH01-CB)
RF Power Divider	Woken	2 Way	0120A02056002D	2GHz ~ 18GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Power Divider	Woken	3 Way	MDC2366	2GHz ~ 18GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Power Divider	Woken	4 Way	0120A04056002D	2GHz ~ 18GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-7	-	1GHz – 26.5GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-8	-	1GHz – 26.5GHz	Nov. 17, 2013	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	High Cable-9	-	1GHz – 26.5GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-10	-	1GHz – 26.5GHz	Nov. 17, 2013	Conducted (TH01-CB)
RF Cable-high	Woken	High Cable-11	-	1GHz – 26.5GHz	Nov. 17, 2013	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	0917223	300MHz~40GHz	Sep. 18, 2013	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 18, 2013	Conducted (TH01-CB)

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

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

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

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emissions	1.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%