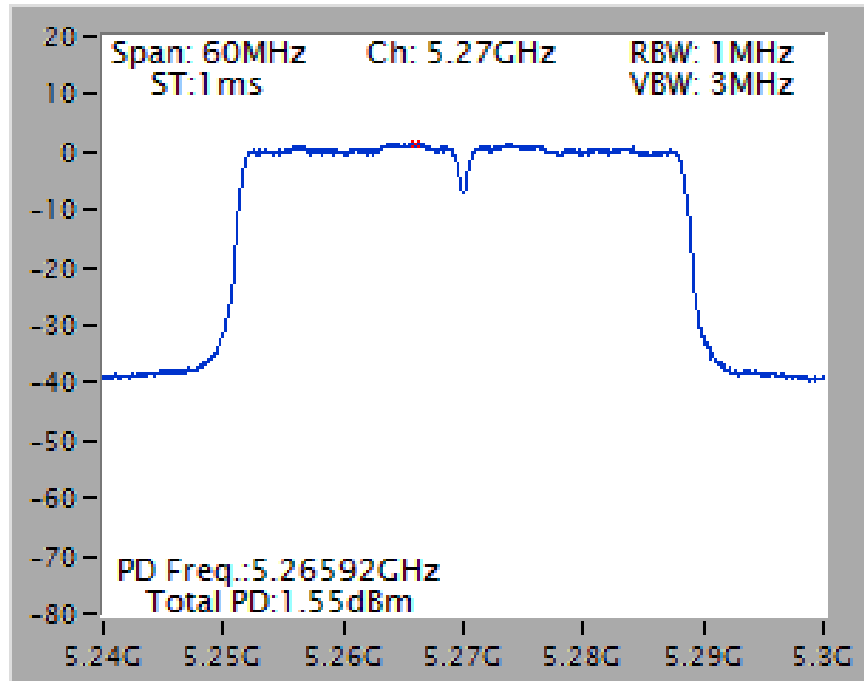
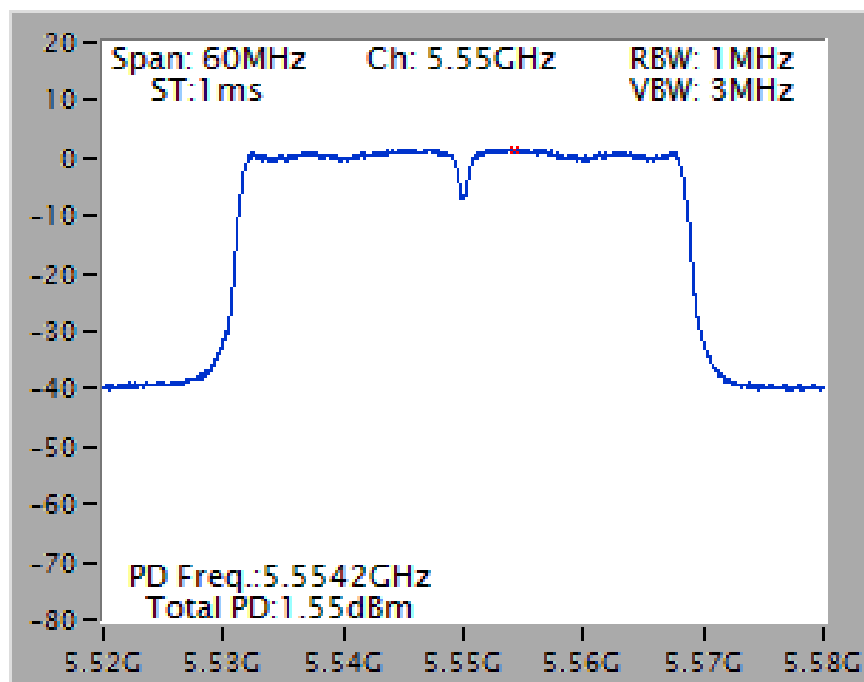


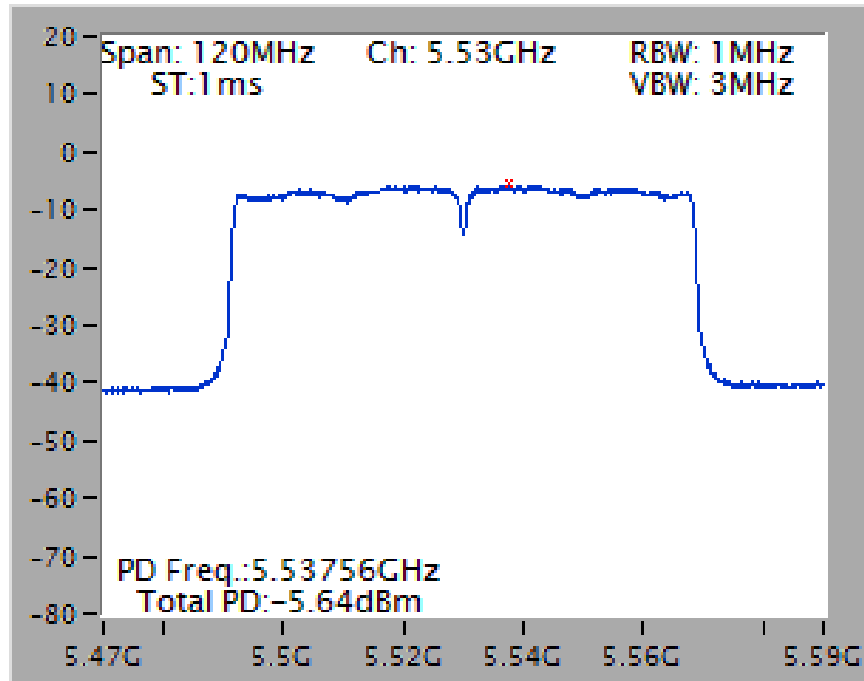
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5270 MHz



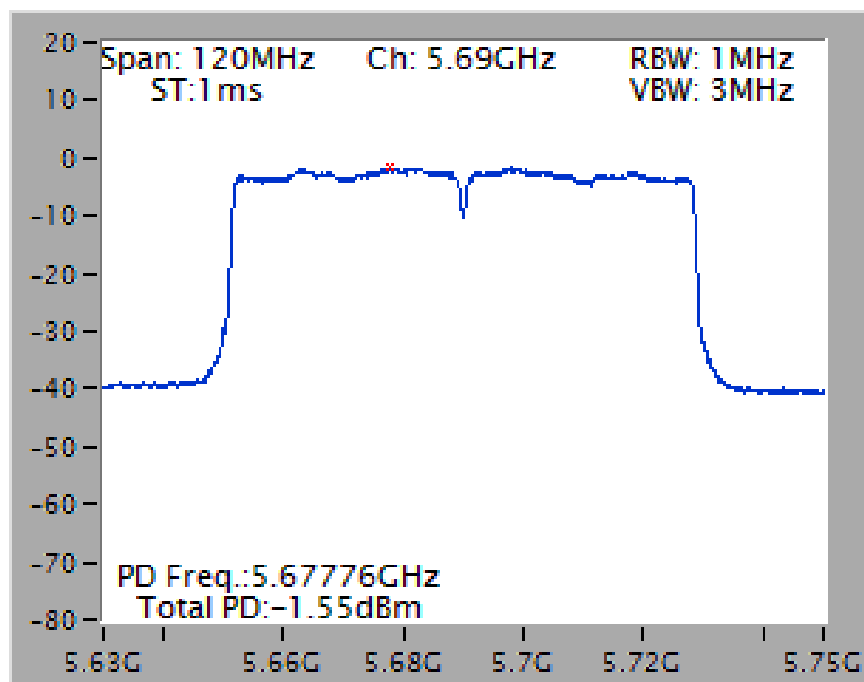
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5530 MHz

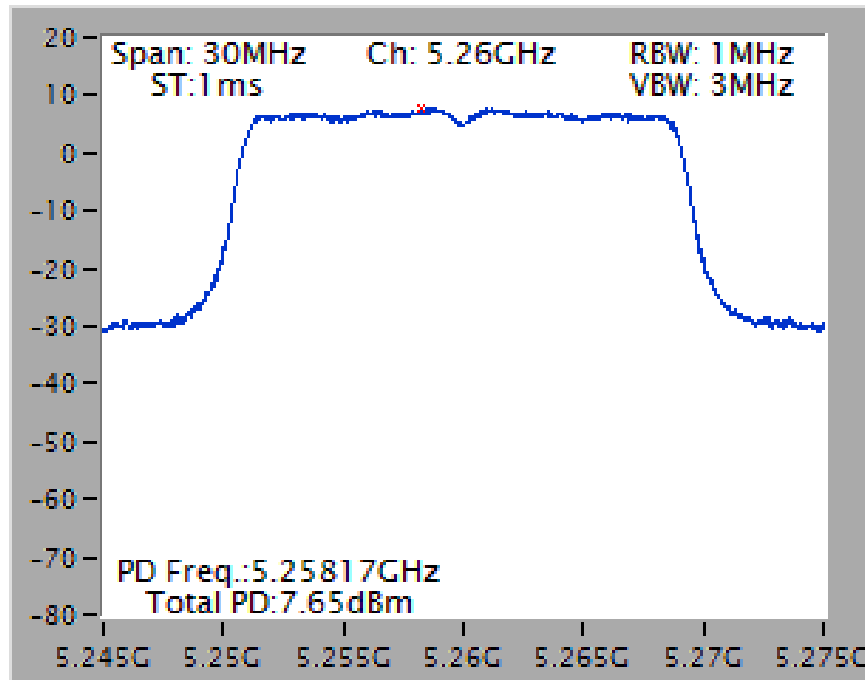


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5690 MHz

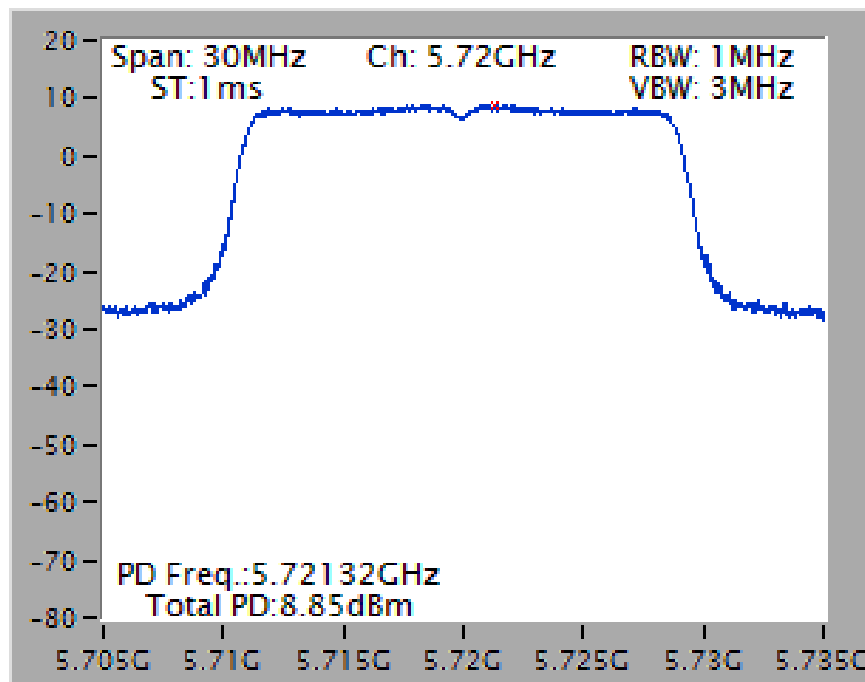


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)

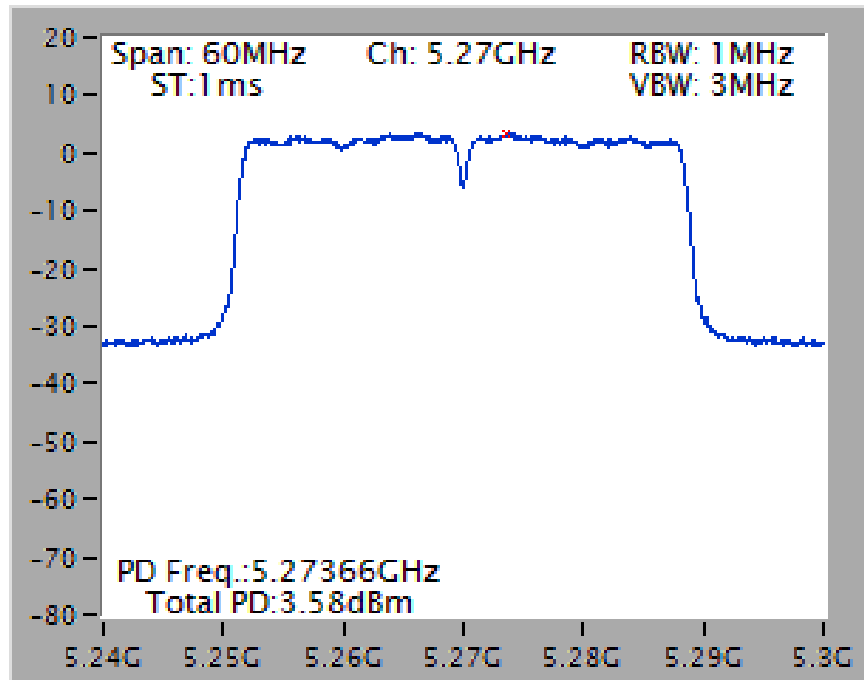
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5260 MHz



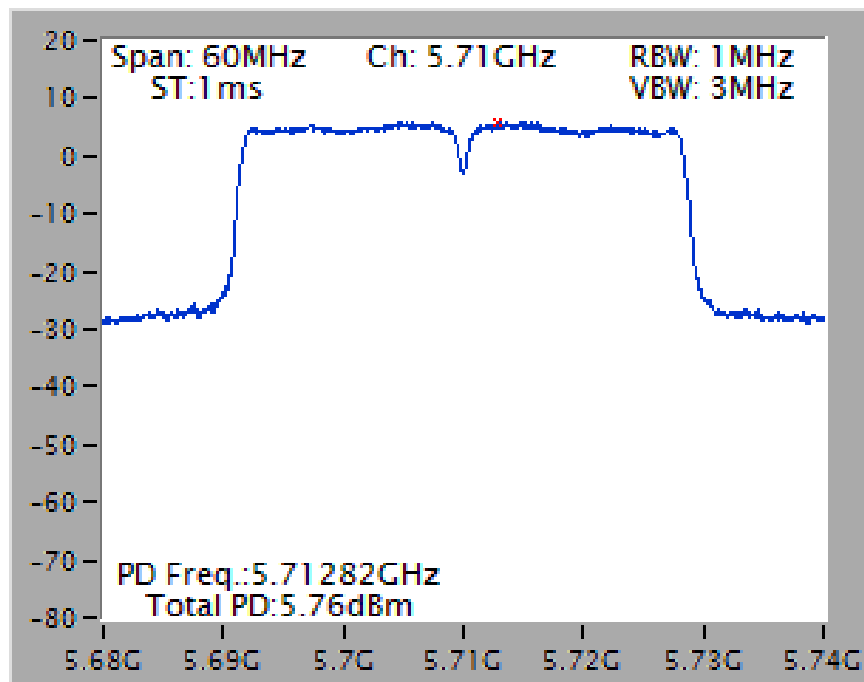
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5720 MHz



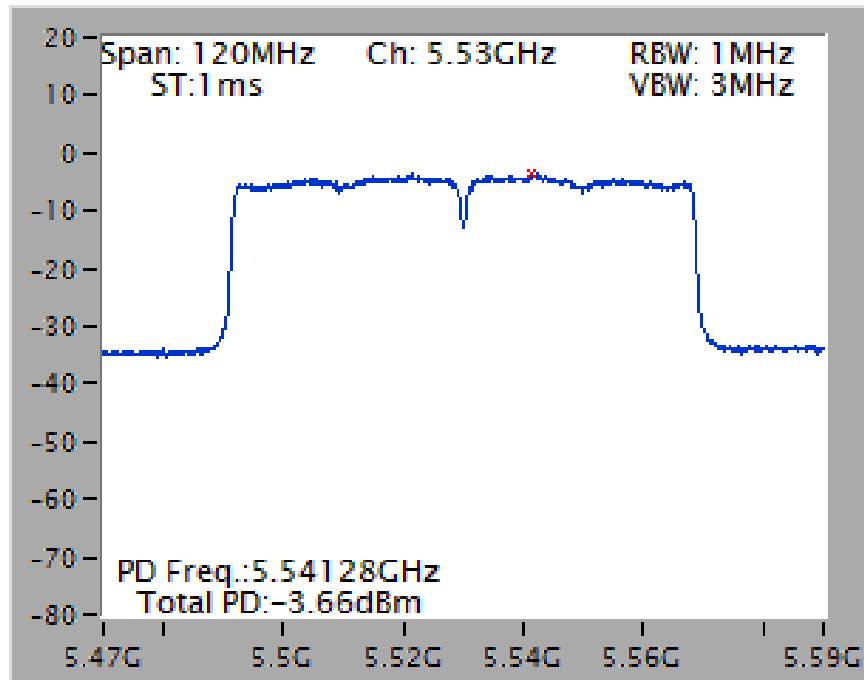
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5270 MHz



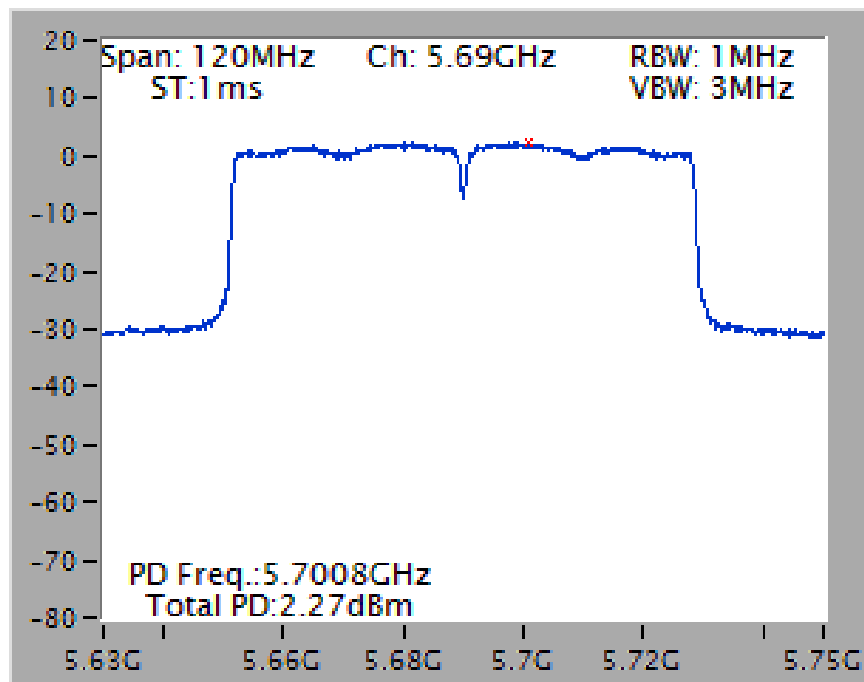
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5710 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5530 MHz

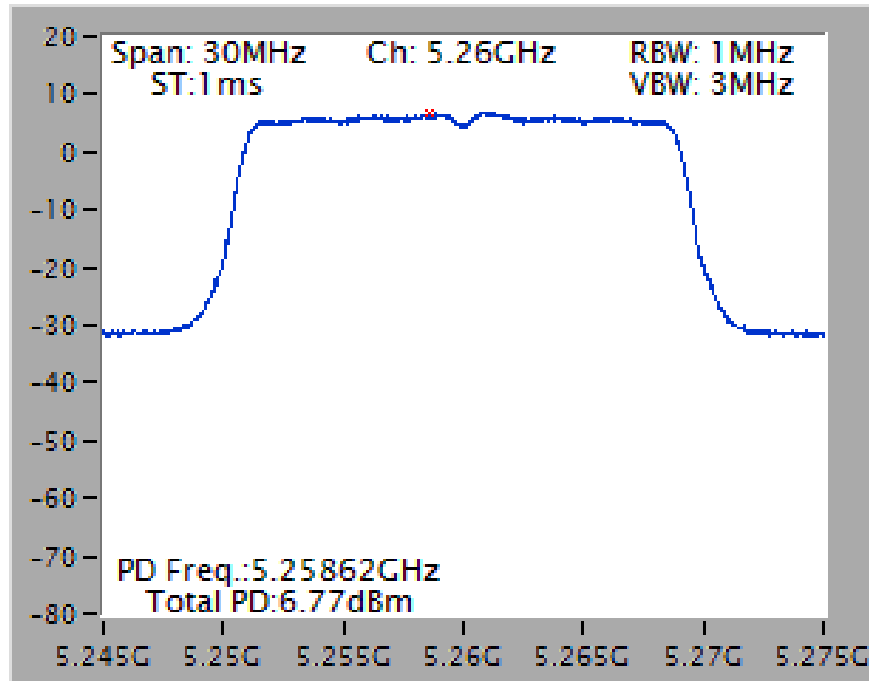


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5690 MHz

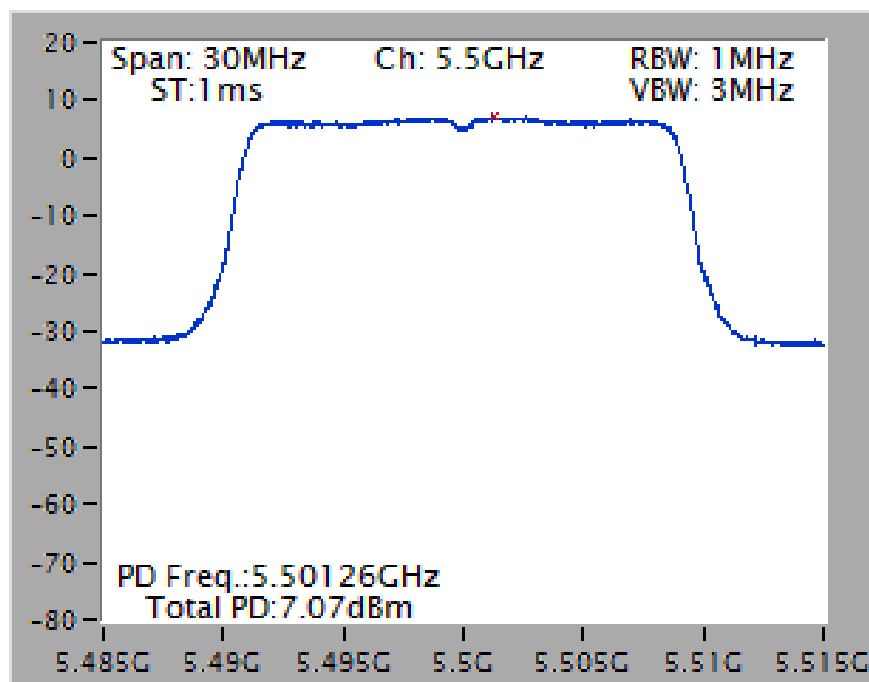


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)

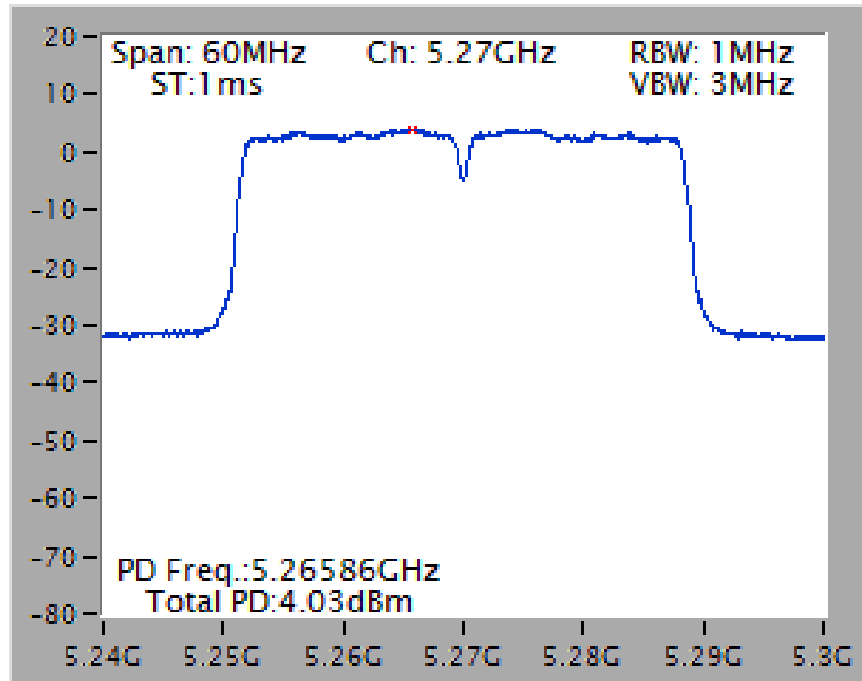
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5260 MHz



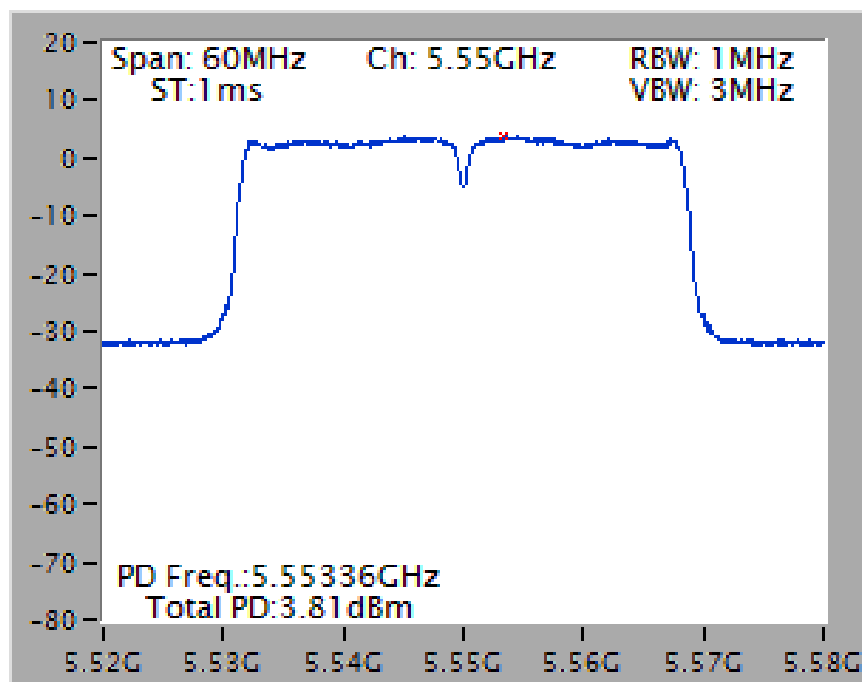
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5500 MHz



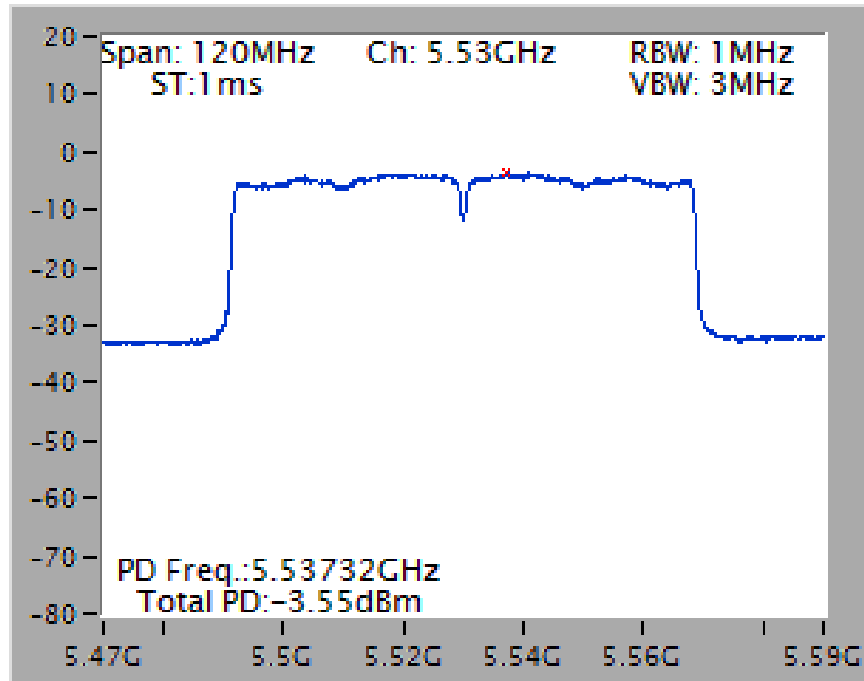
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5270 MHz



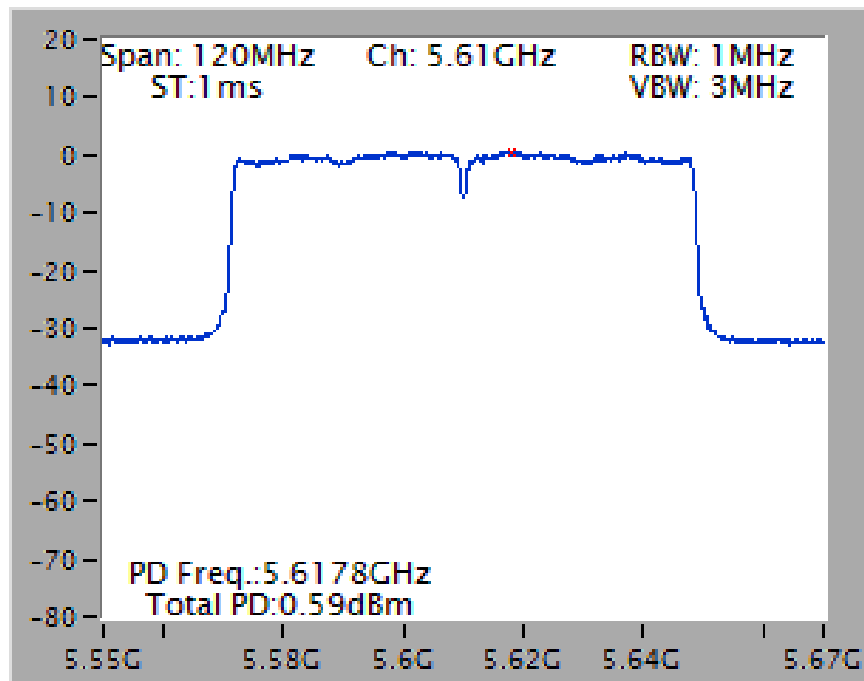
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5550 MHz



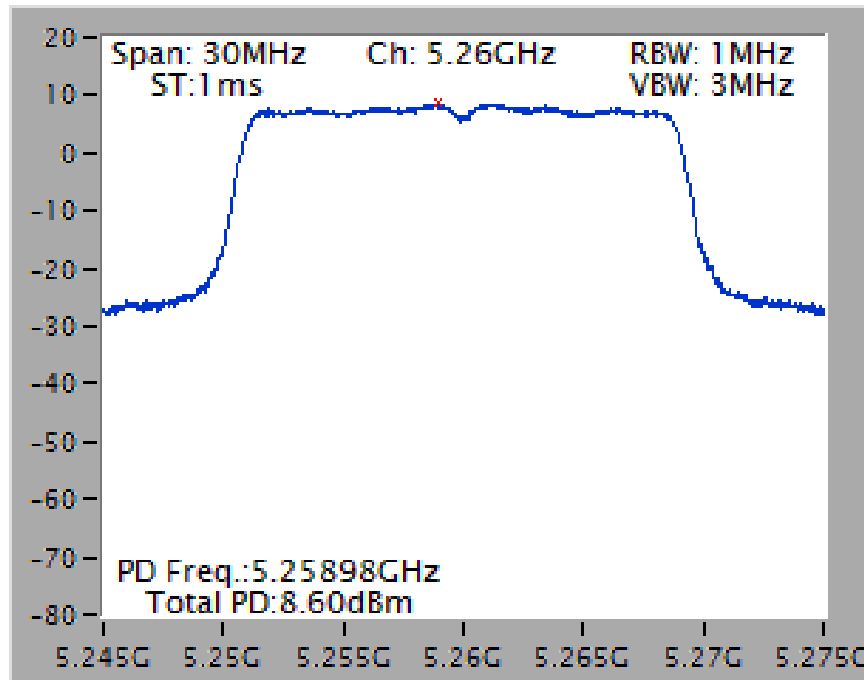
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5530 MHz



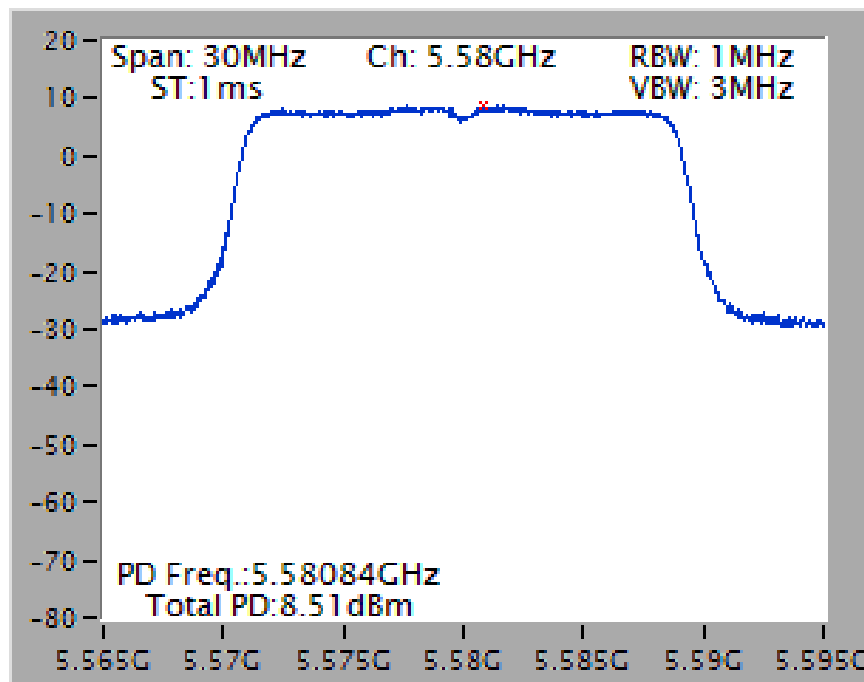
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5610 MHz



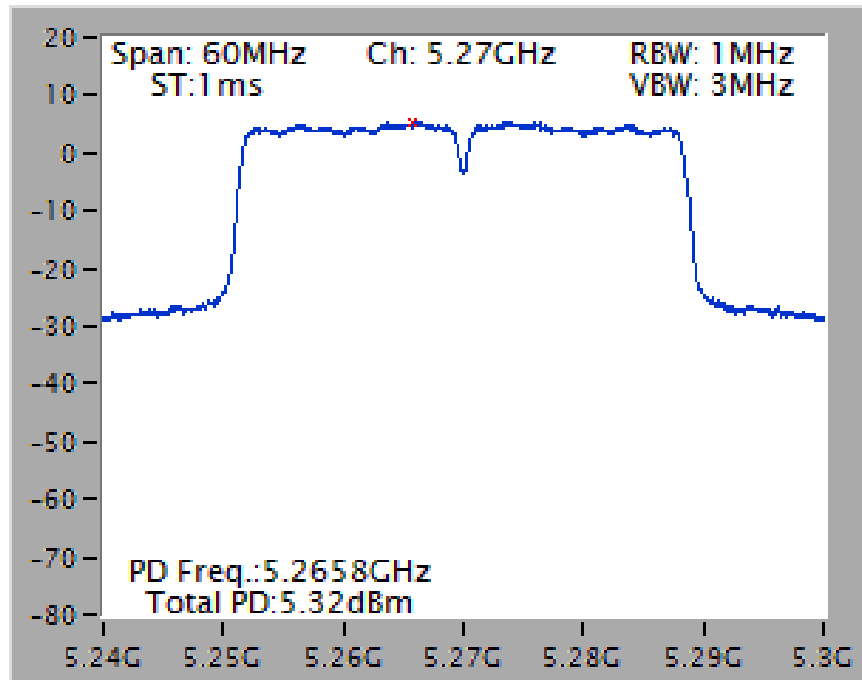
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 / 5260 MHz



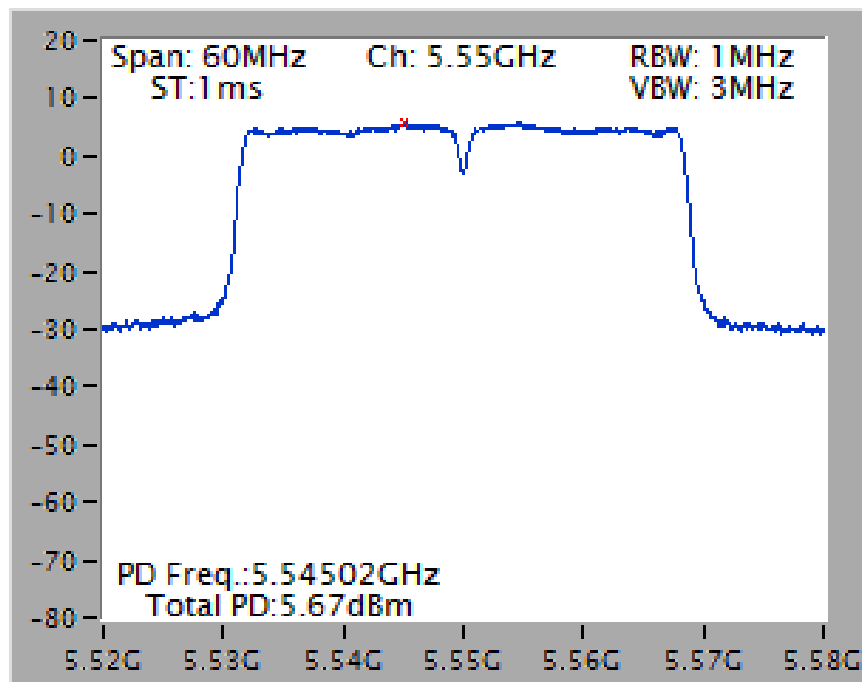
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 / 5580 MHz



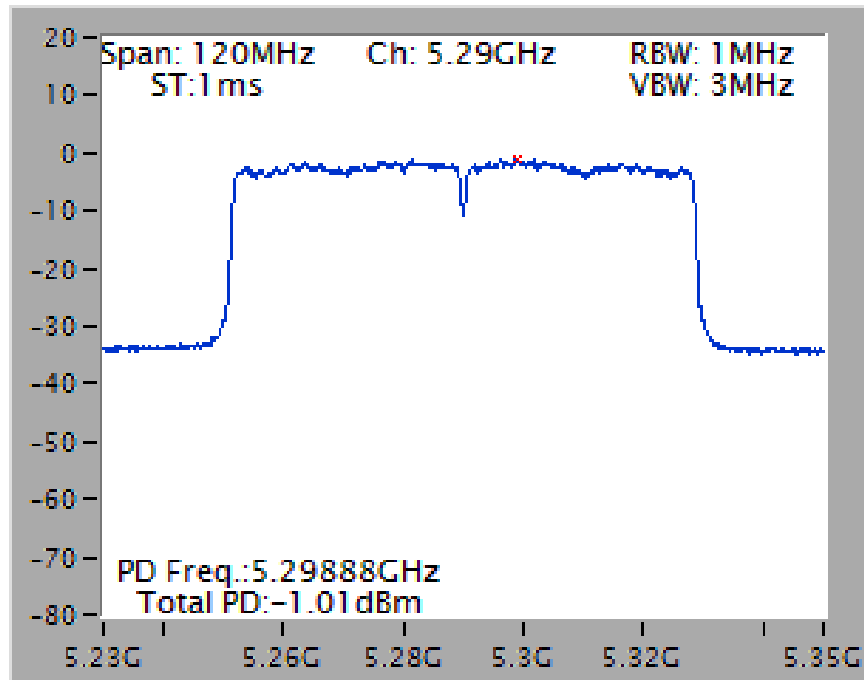
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 / 5270 MHz



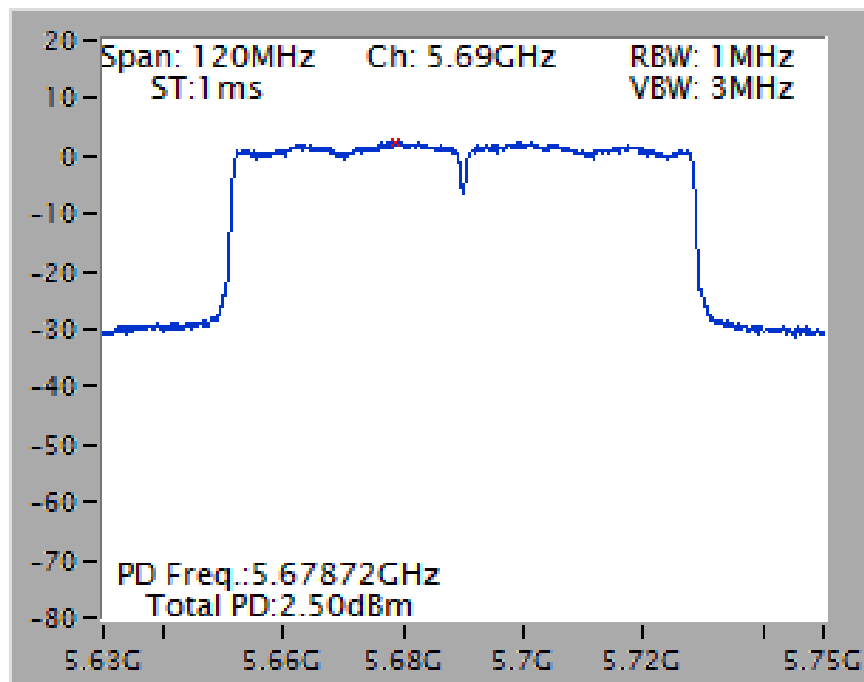
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 / 5550 MHz



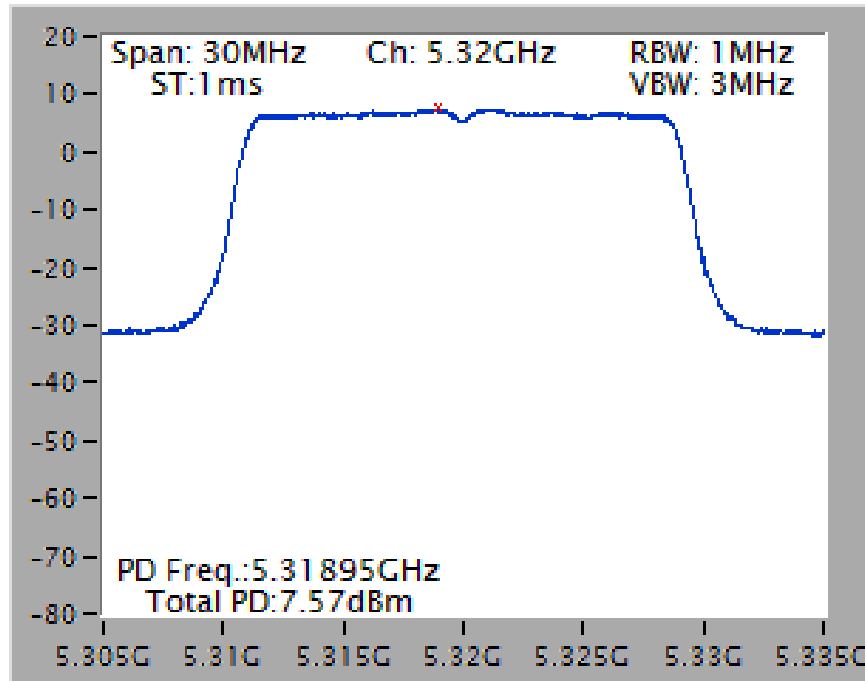
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 / 5290 MHz



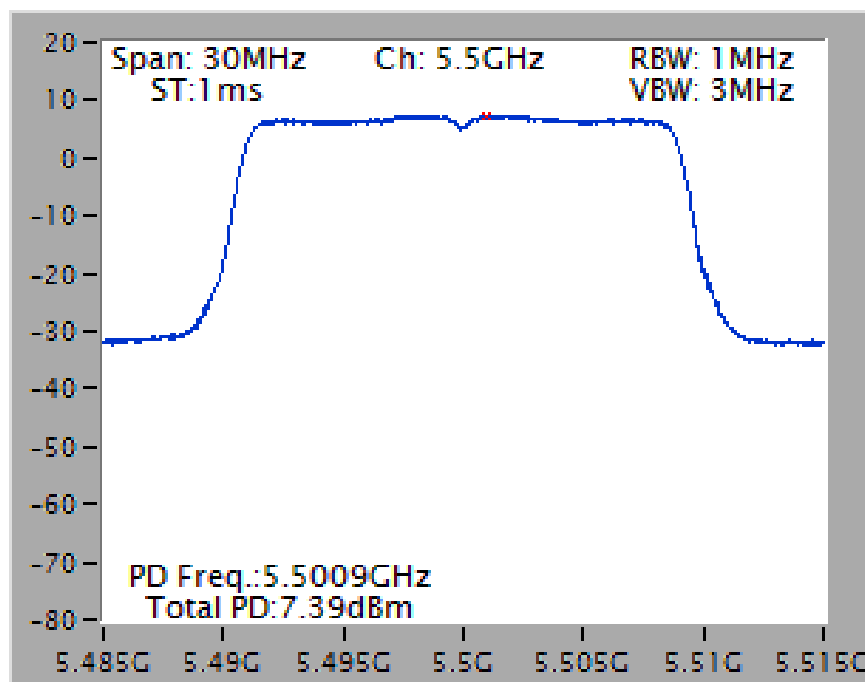
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 / 5690 MHz



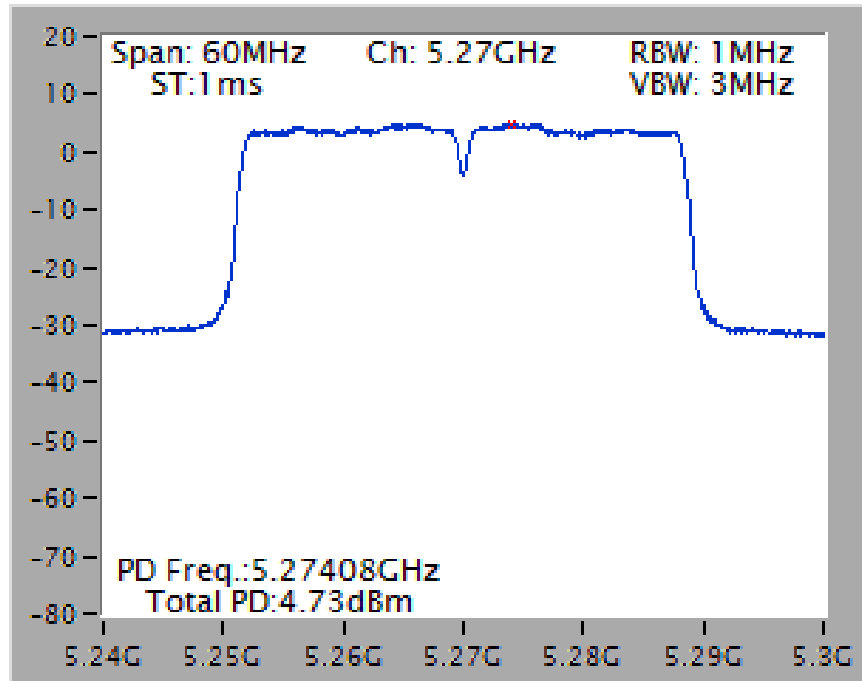
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5320 MHz



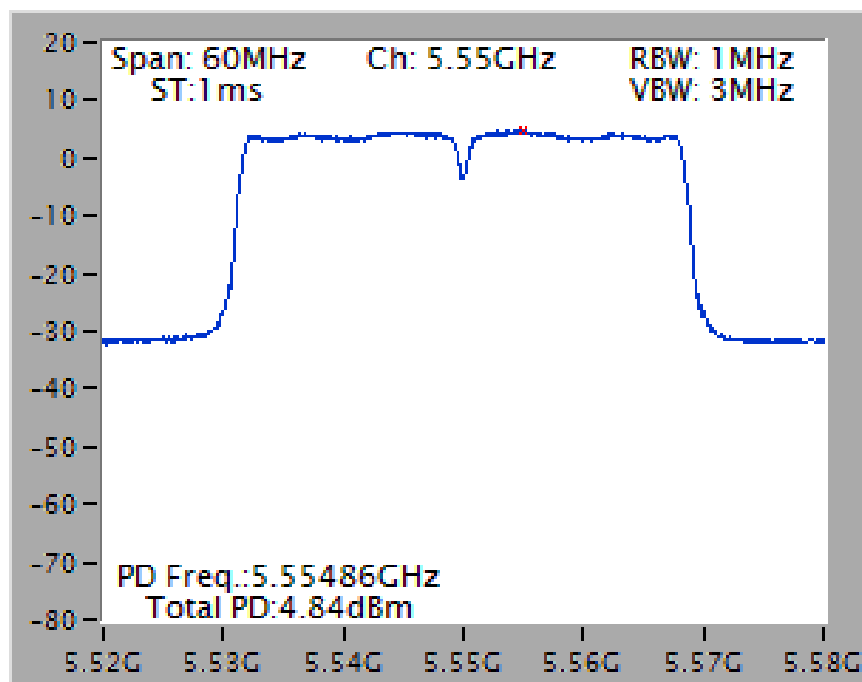
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5550 MHz



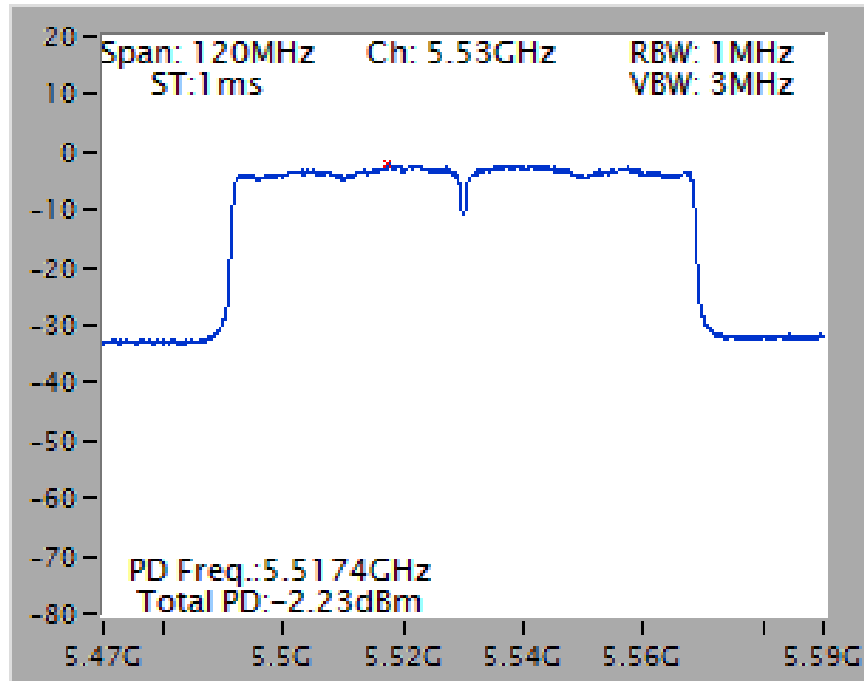
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5270 MHz



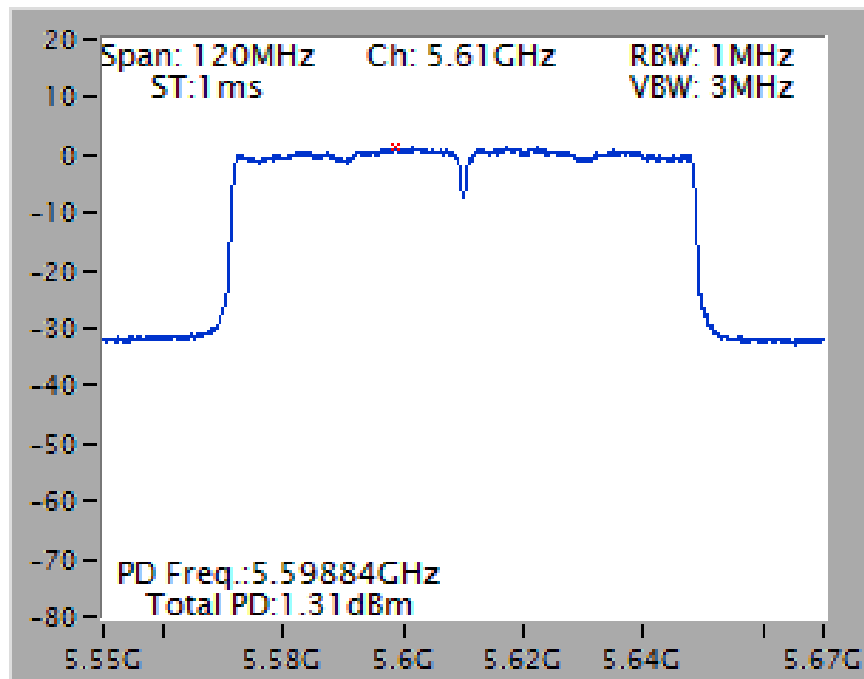
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5530 MHz



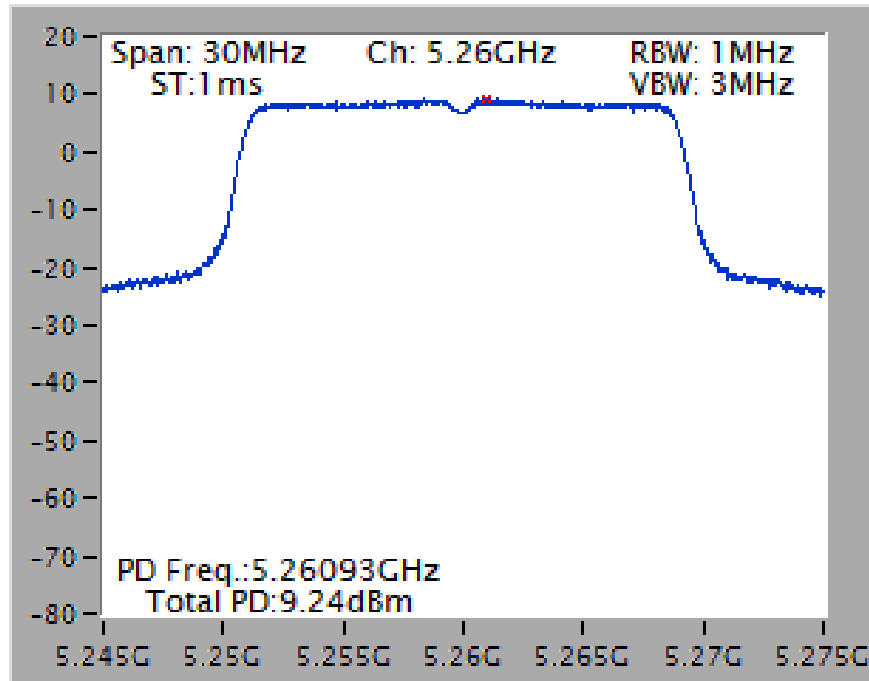
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5610 MHz



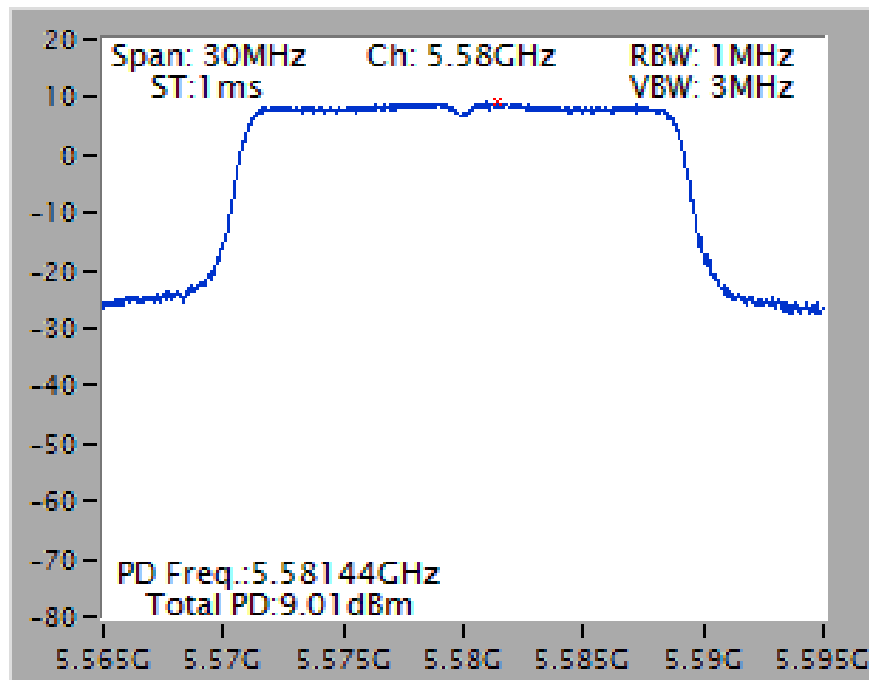
<For STBC Mode>

Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)

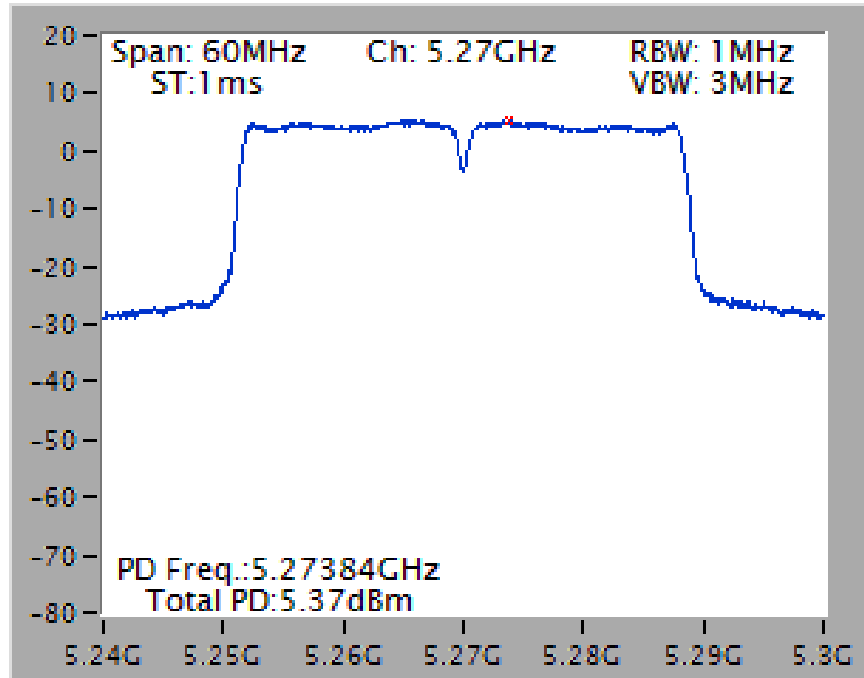
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5260 MHz



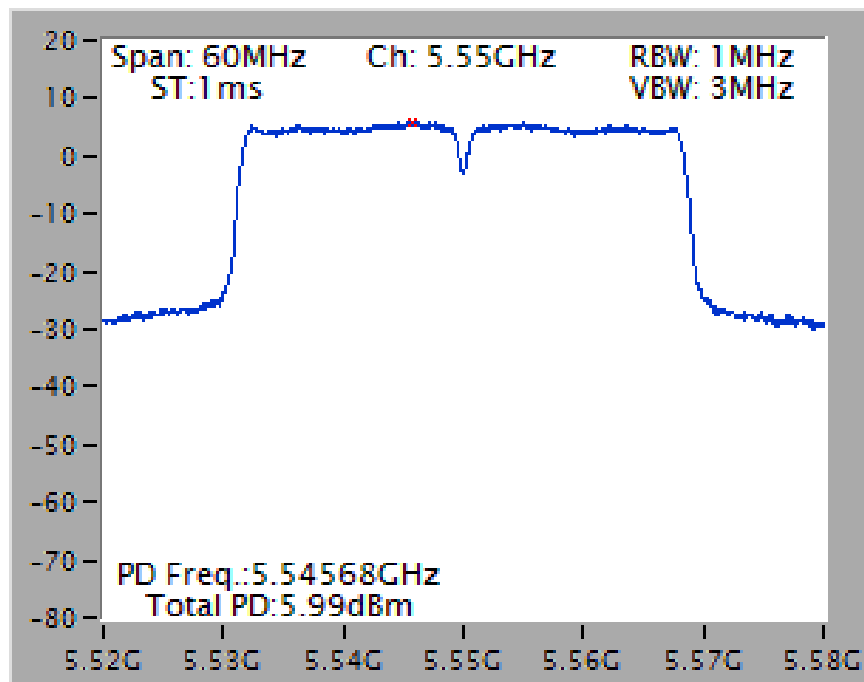
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5580 MHz



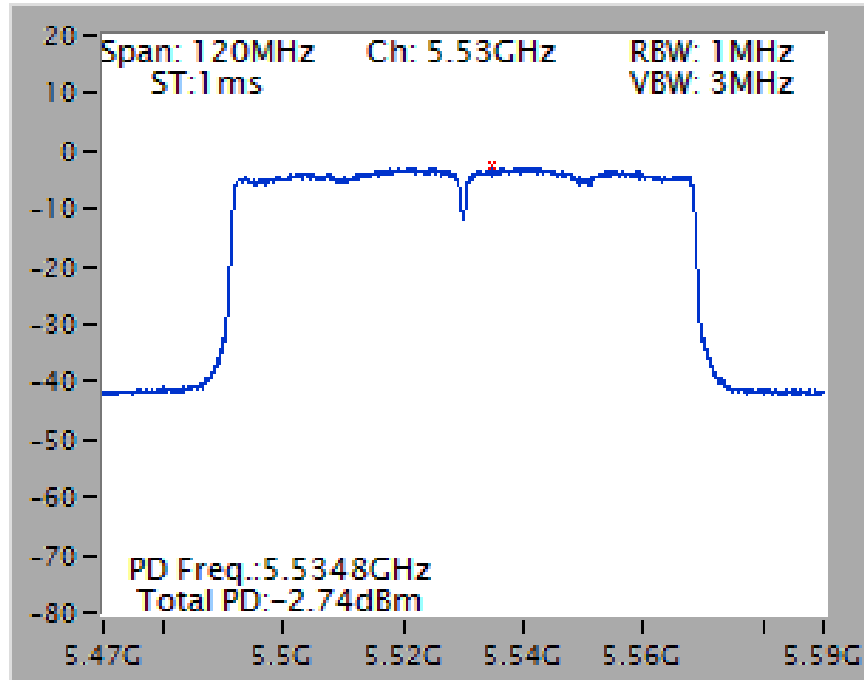
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5270 MHz



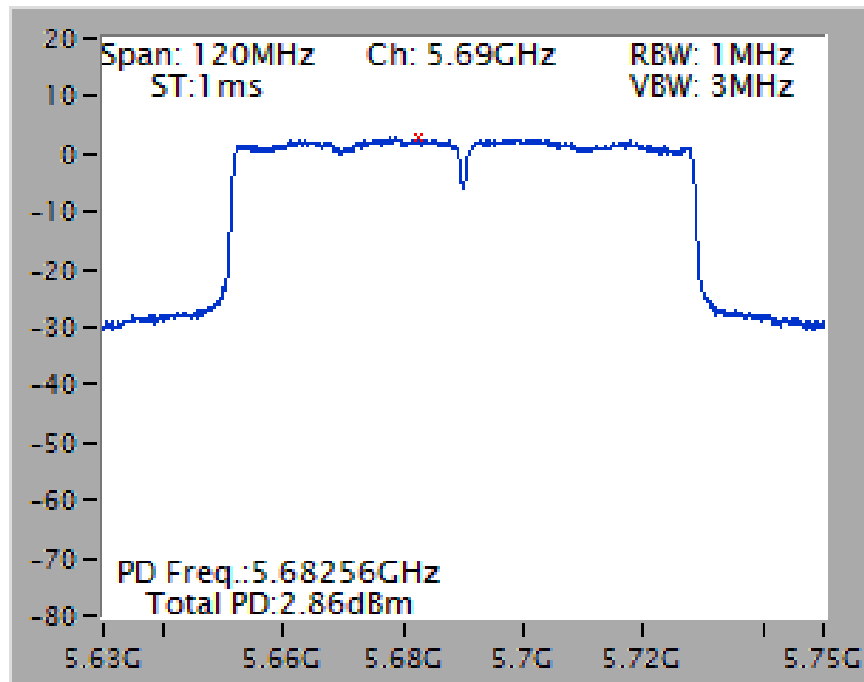
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5530 MHz

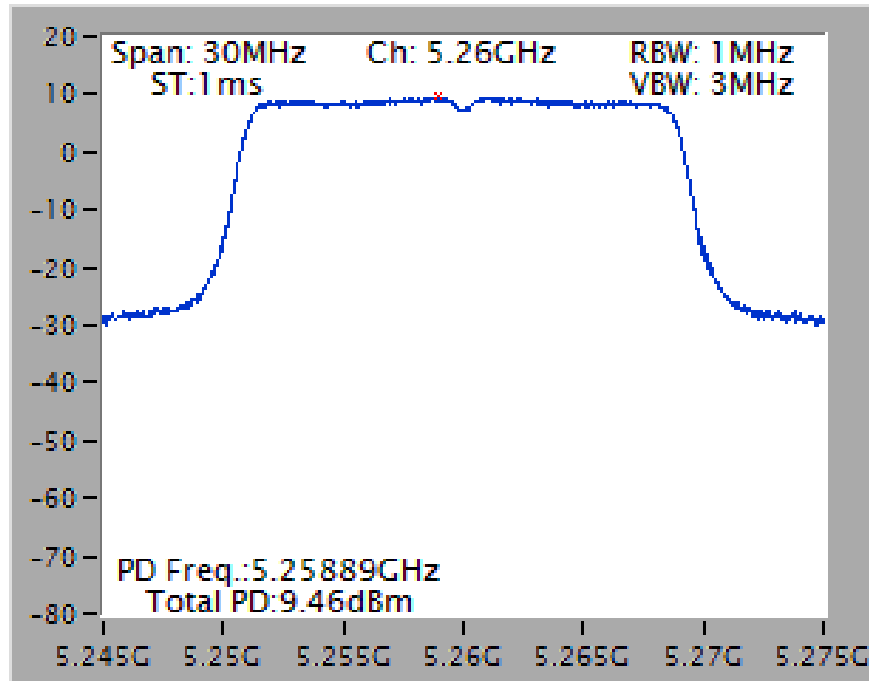


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5690 MHz

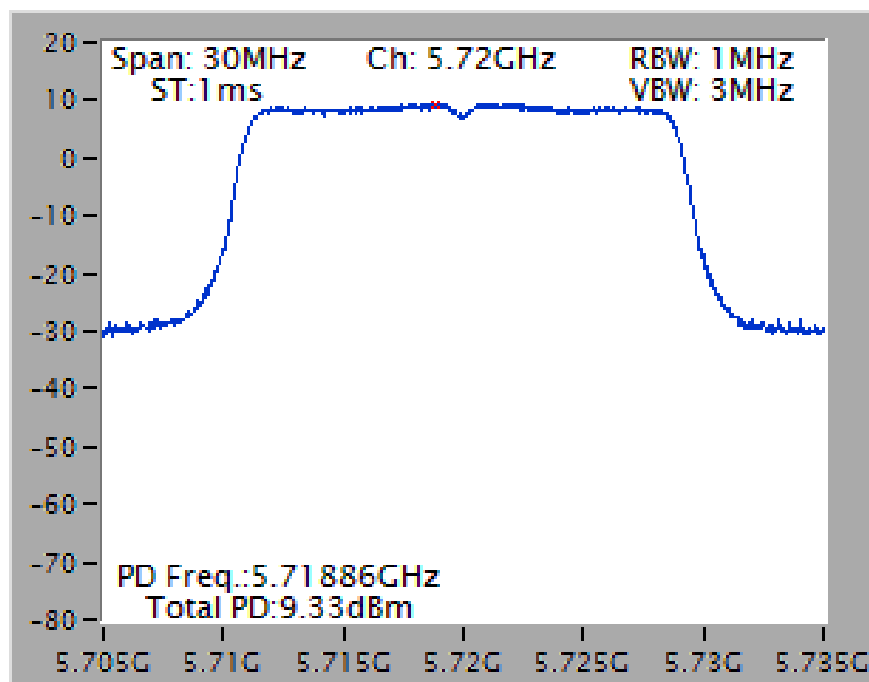


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)

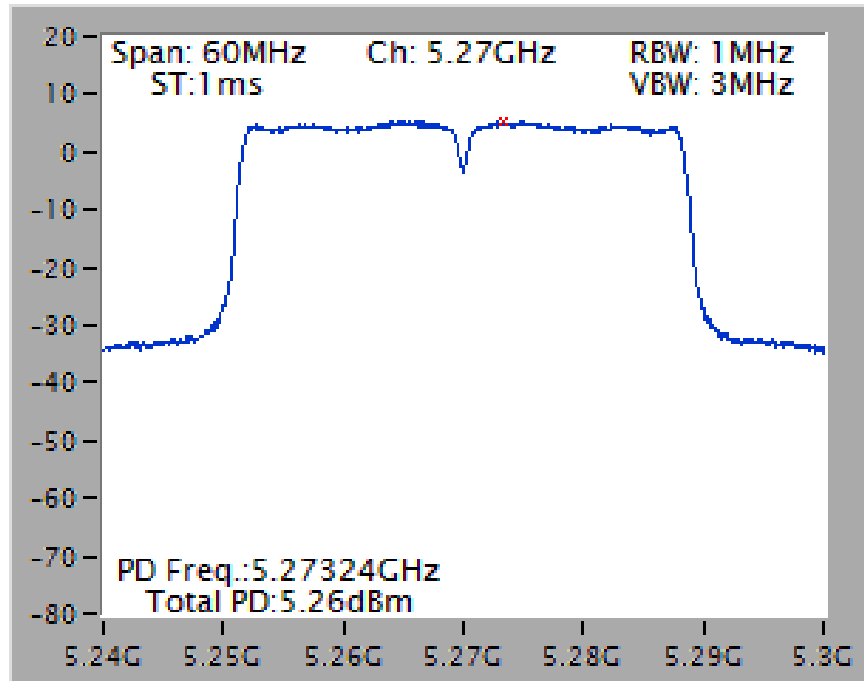
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5260 MHz



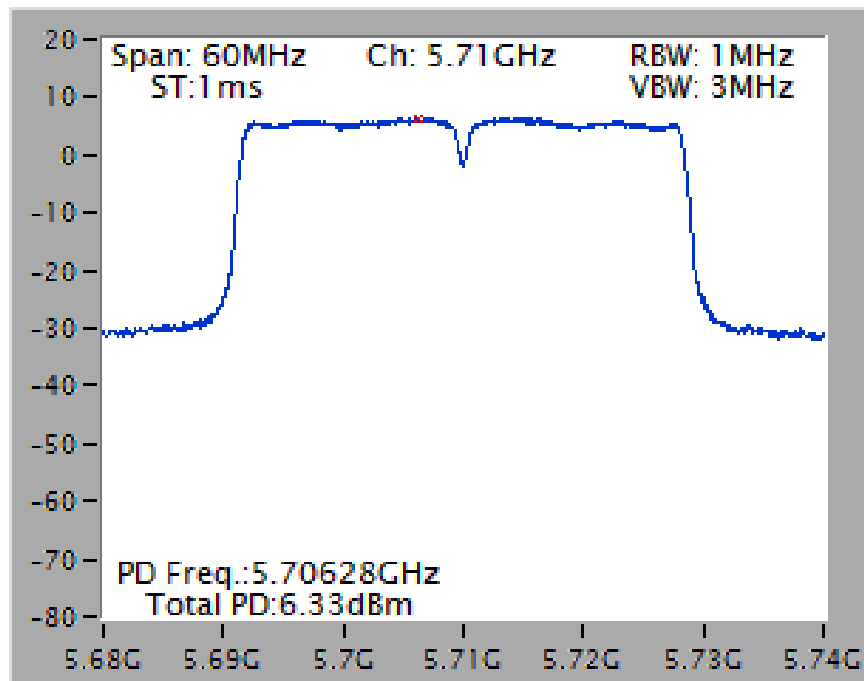
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5720 MHz



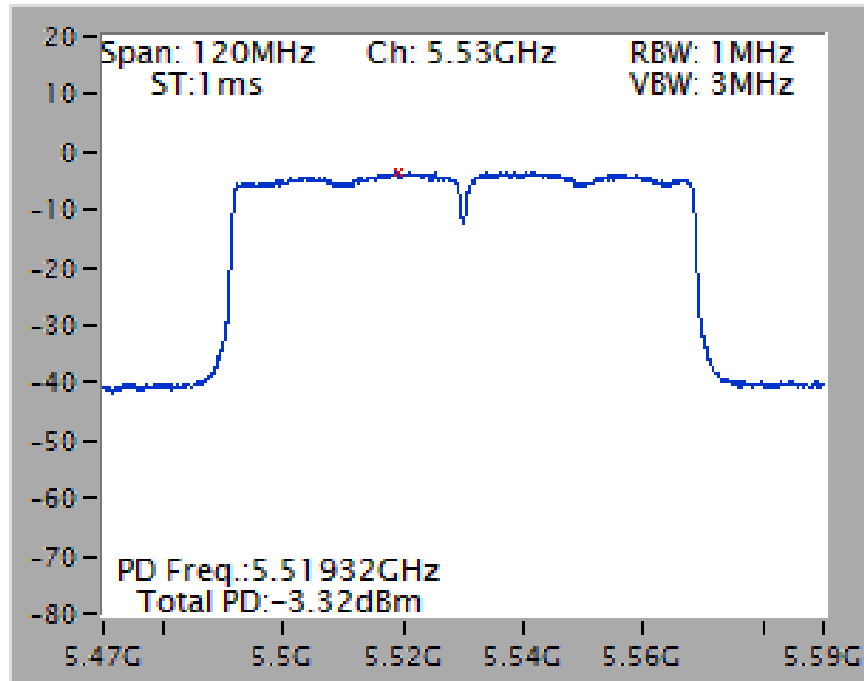
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 / 5270 MHz



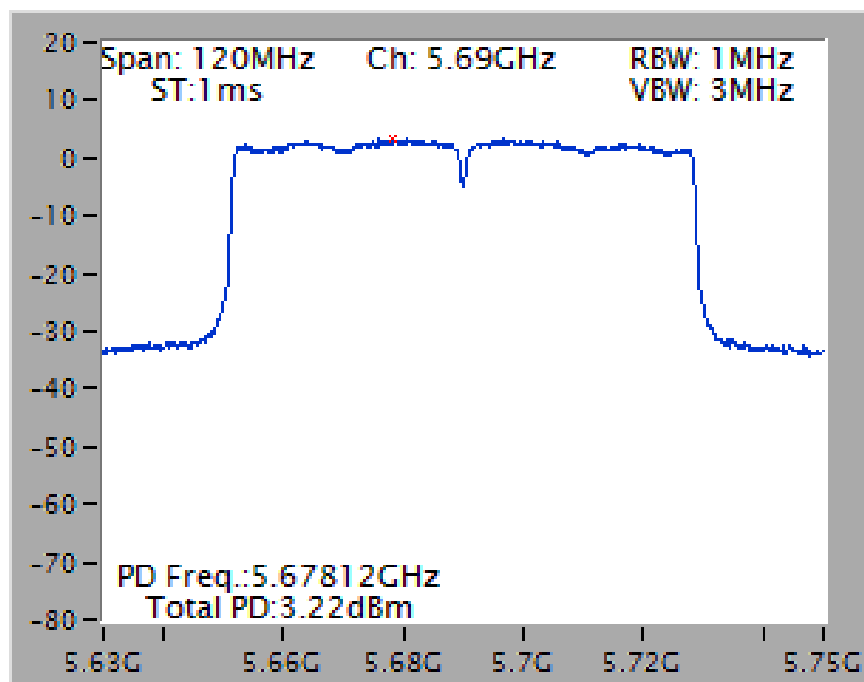
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 / 5710 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5530 MHz

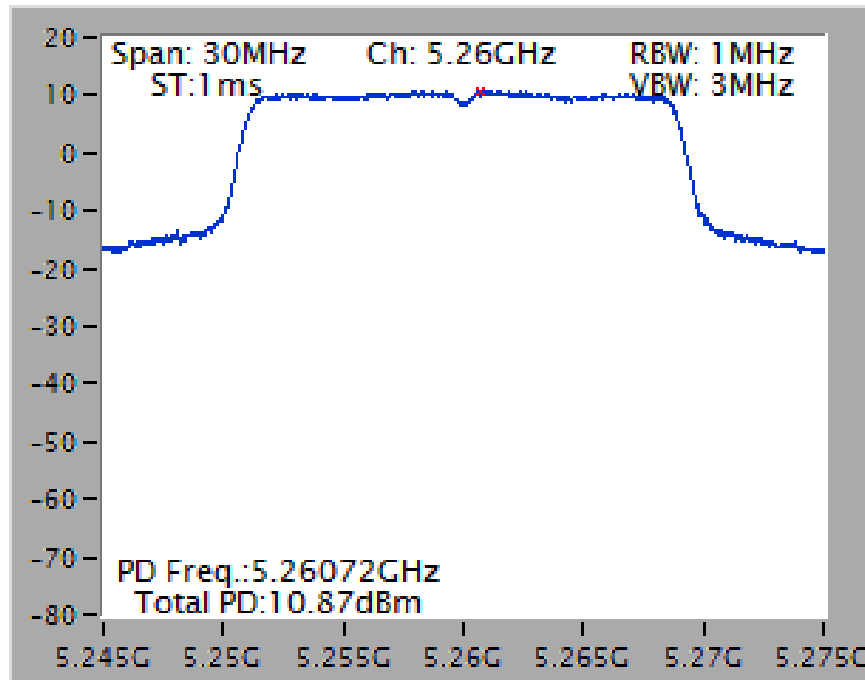


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5690 MHz

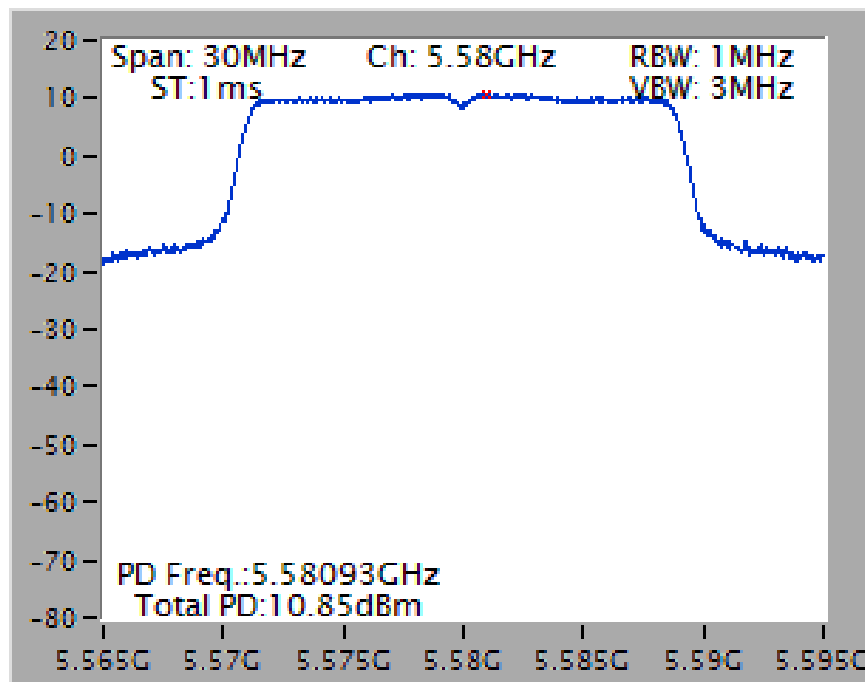


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)

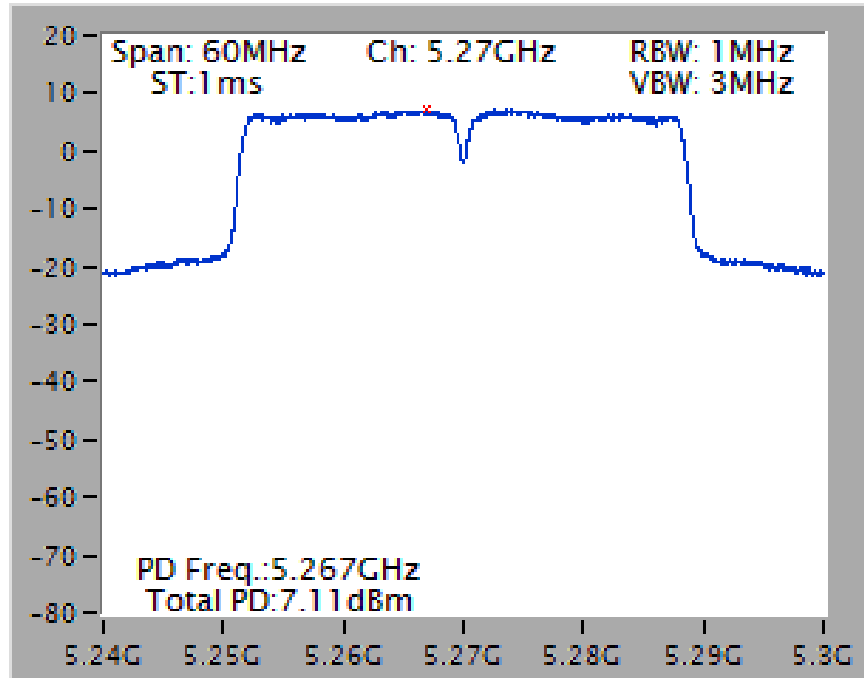
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5260 MHz



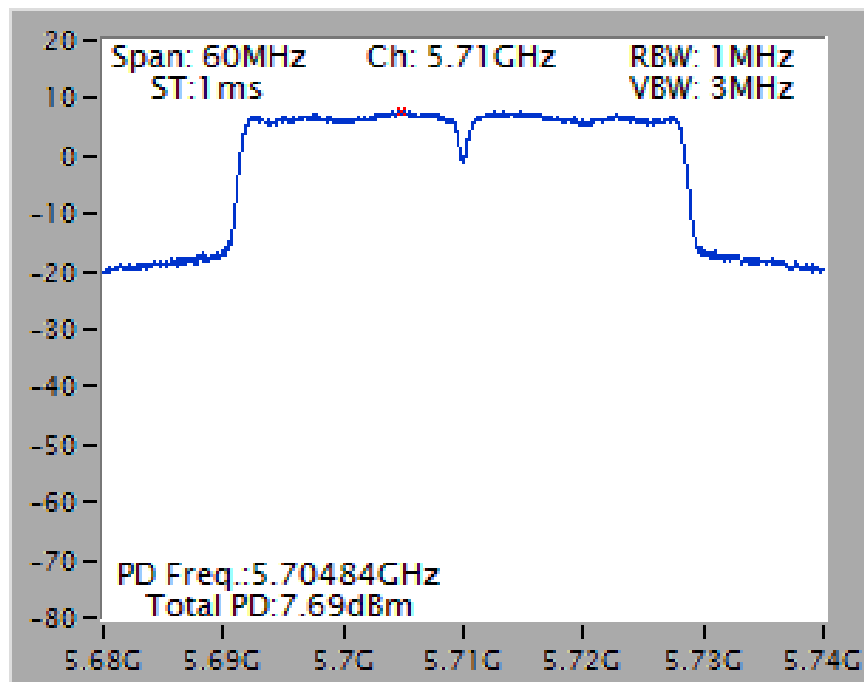
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5580 MHz



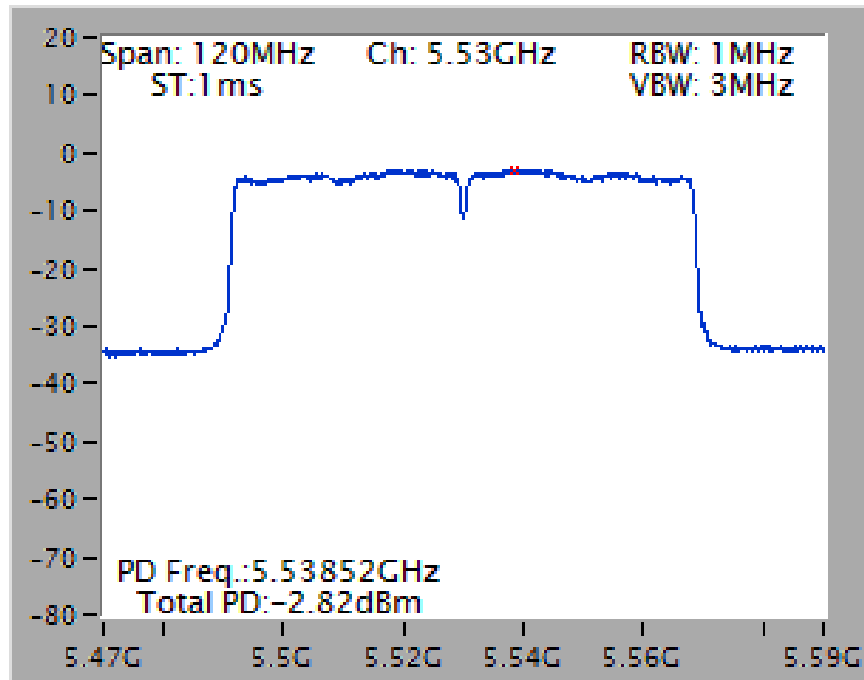
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5270 MHz



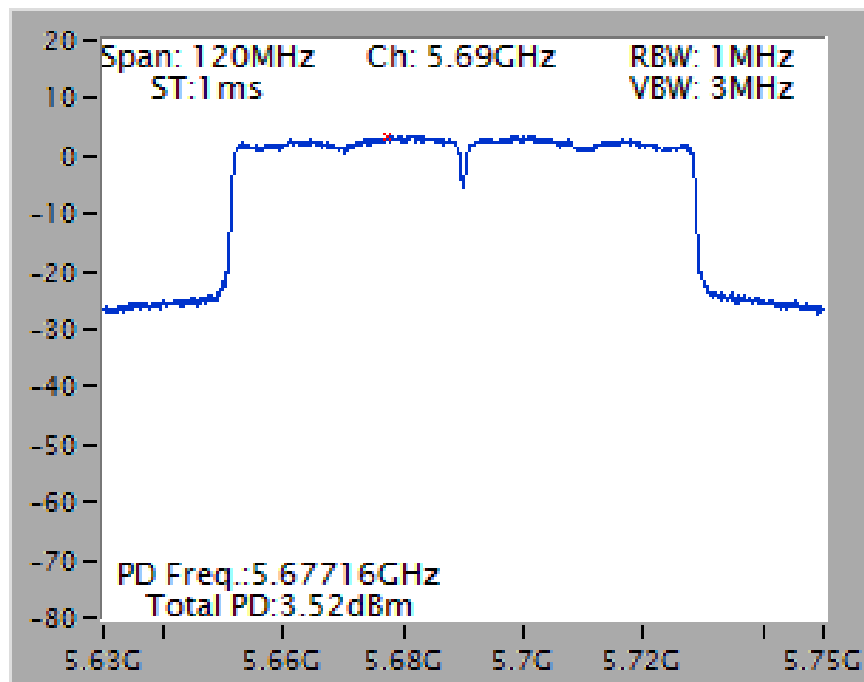
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5710 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5530 MHz

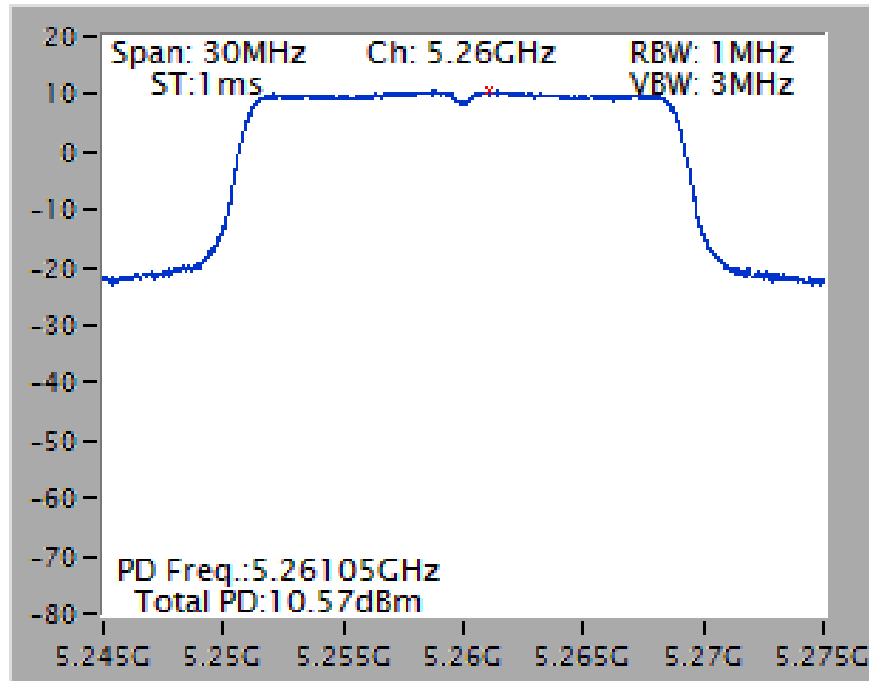


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5690 MHz

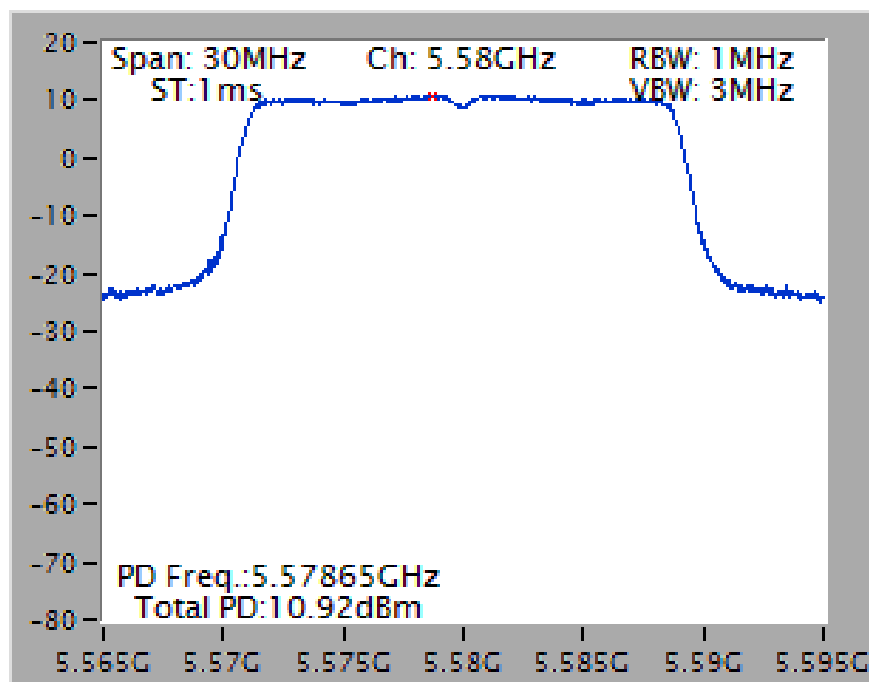


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)

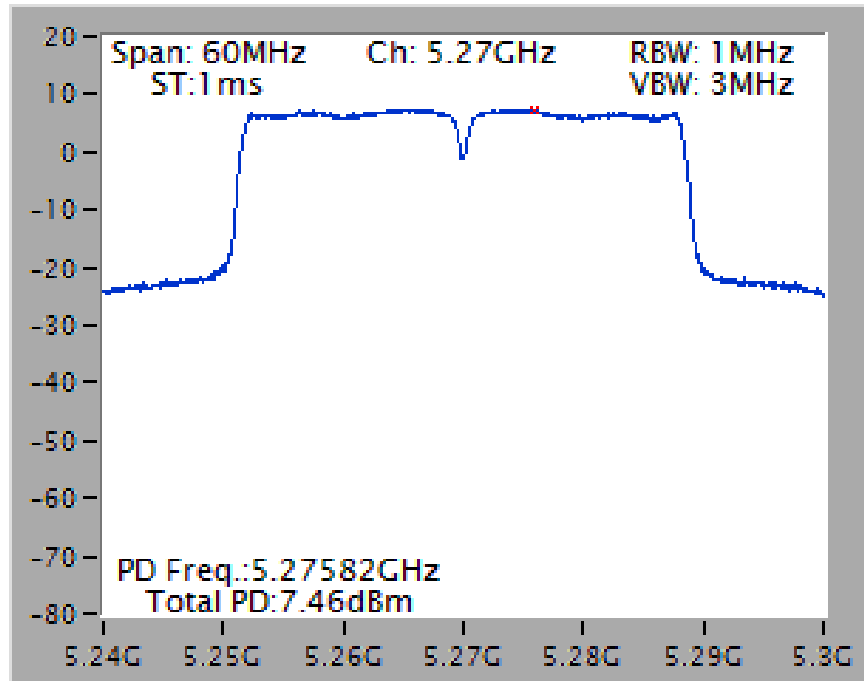
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5260 MHz



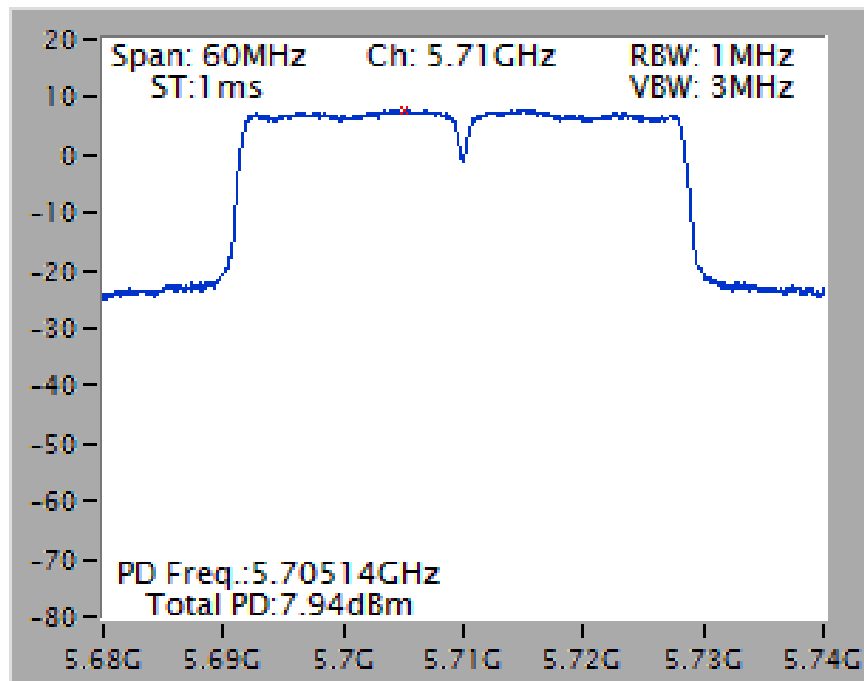
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5580 MHz



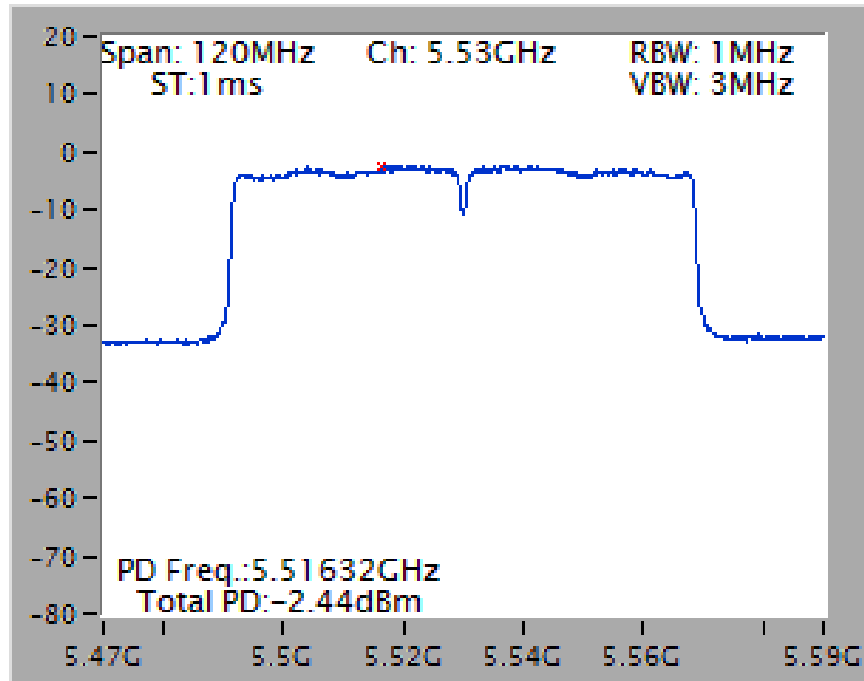
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5270 MHz



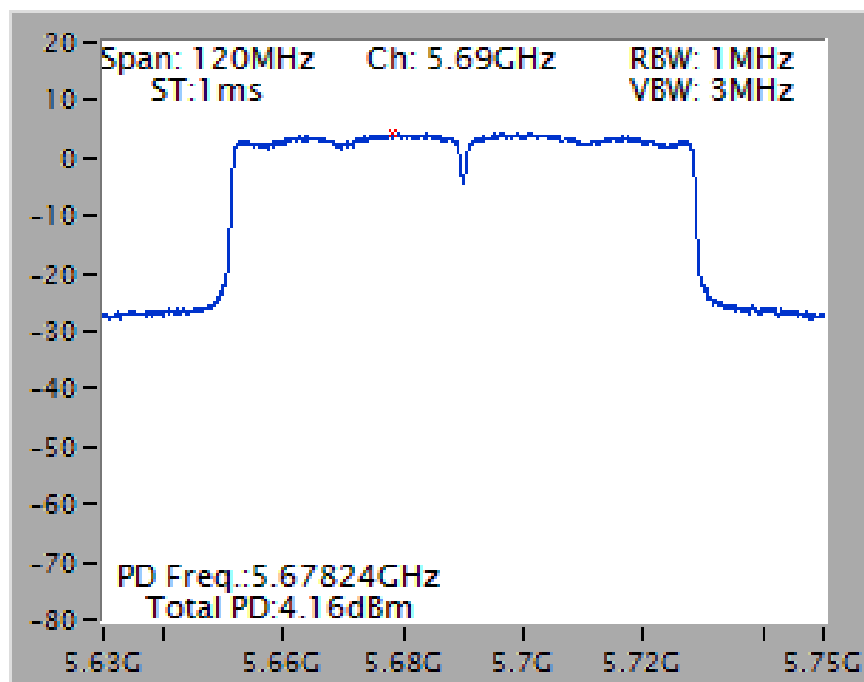
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5710 MHz



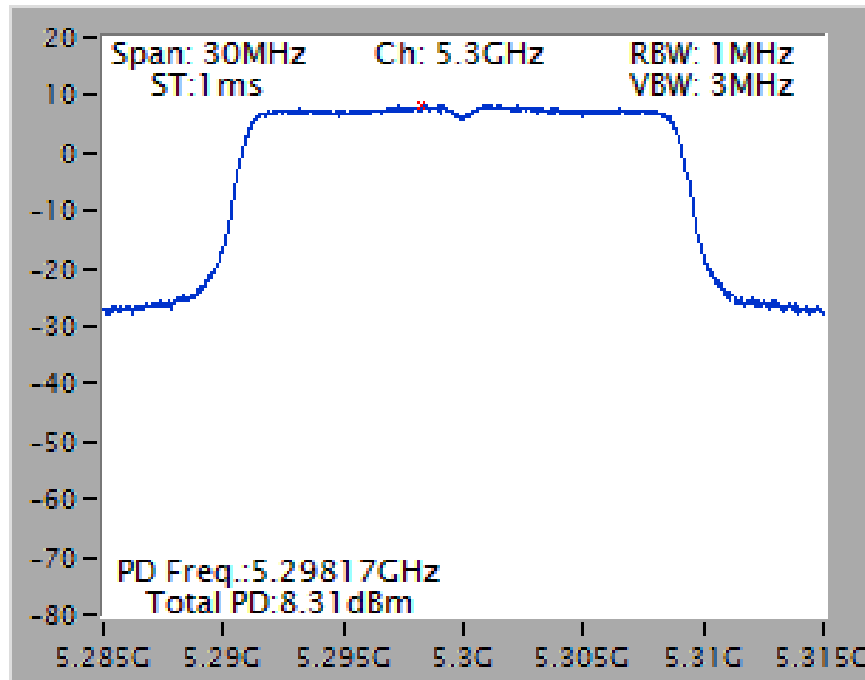
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5530 MHz



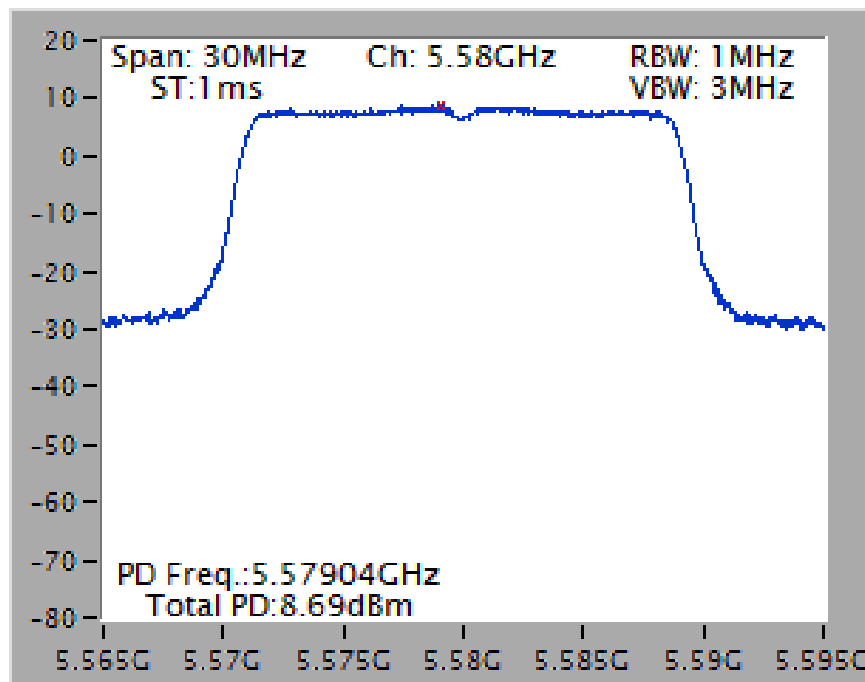
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5690 MHz



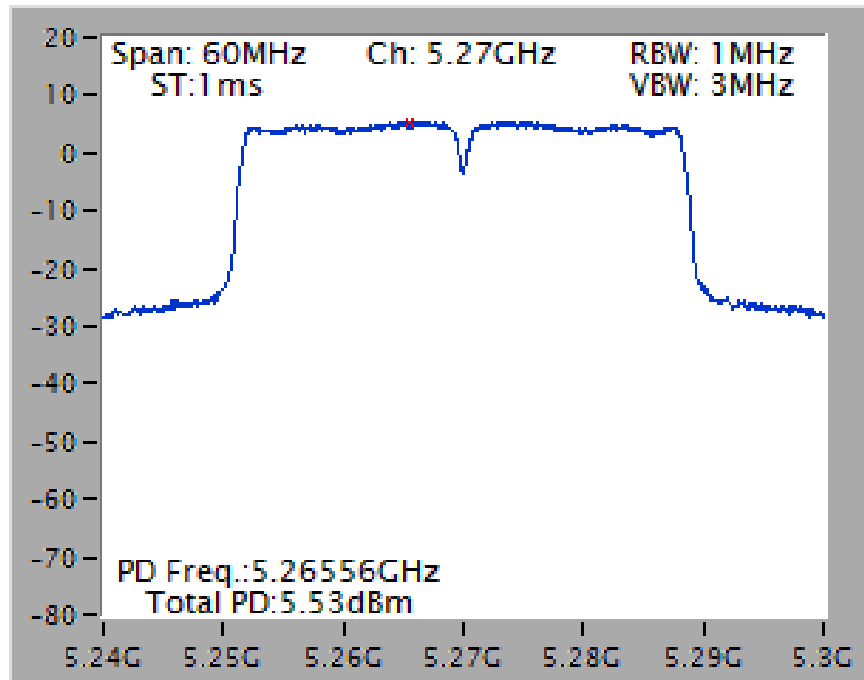
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 / 5300 MHz



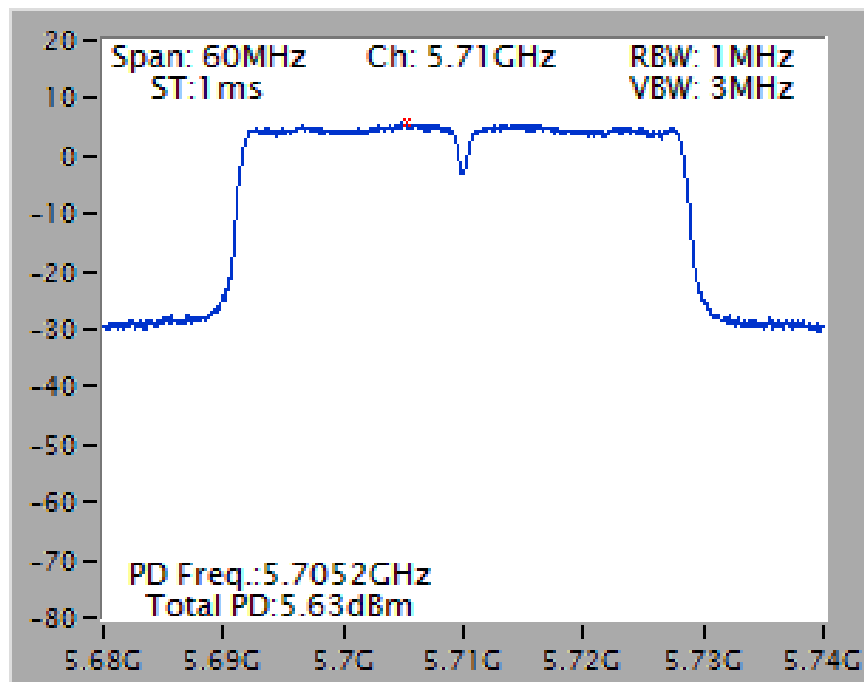
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 / 5580 MHz



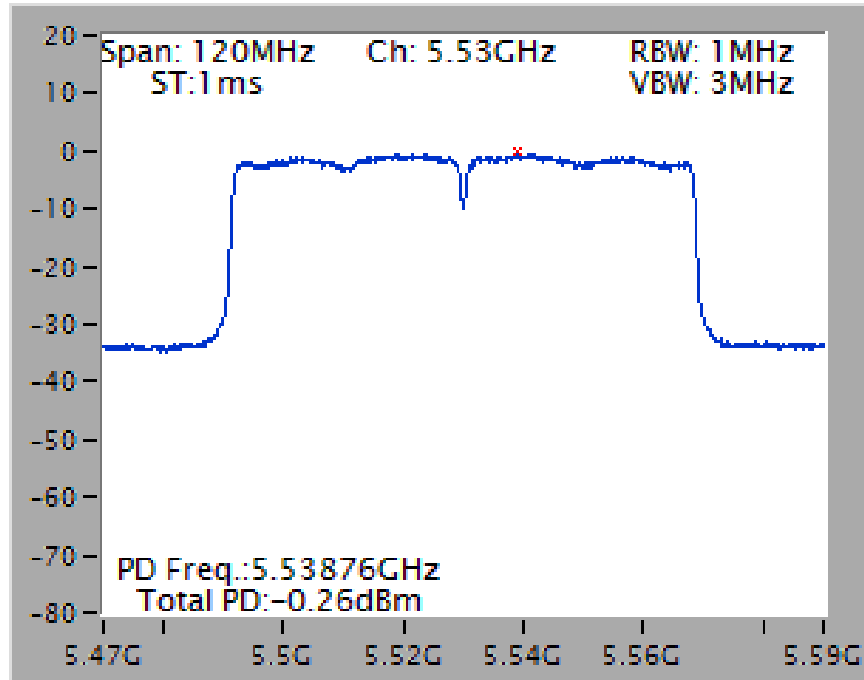
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 / 5270 MHz



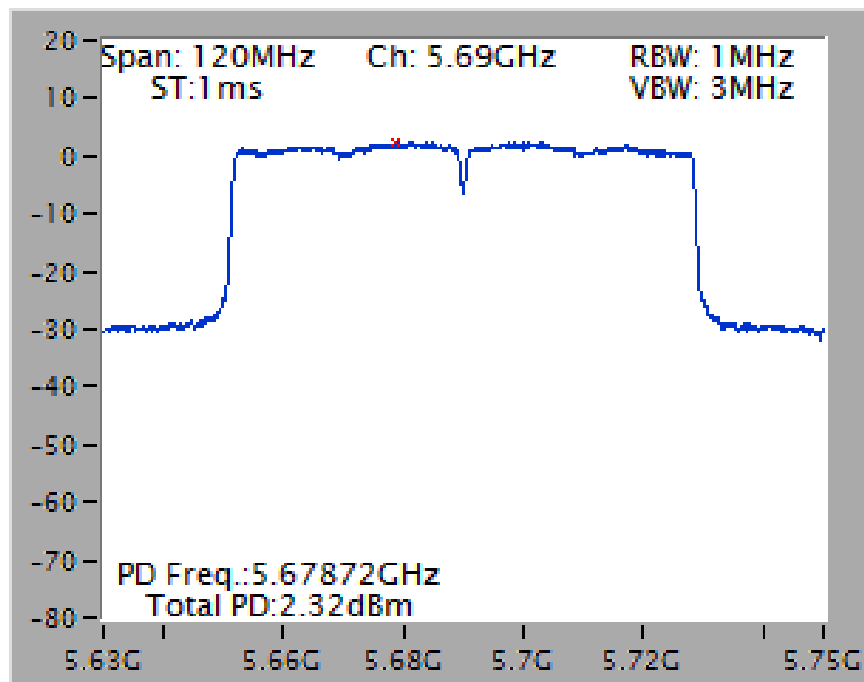
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 / 5710 MHz



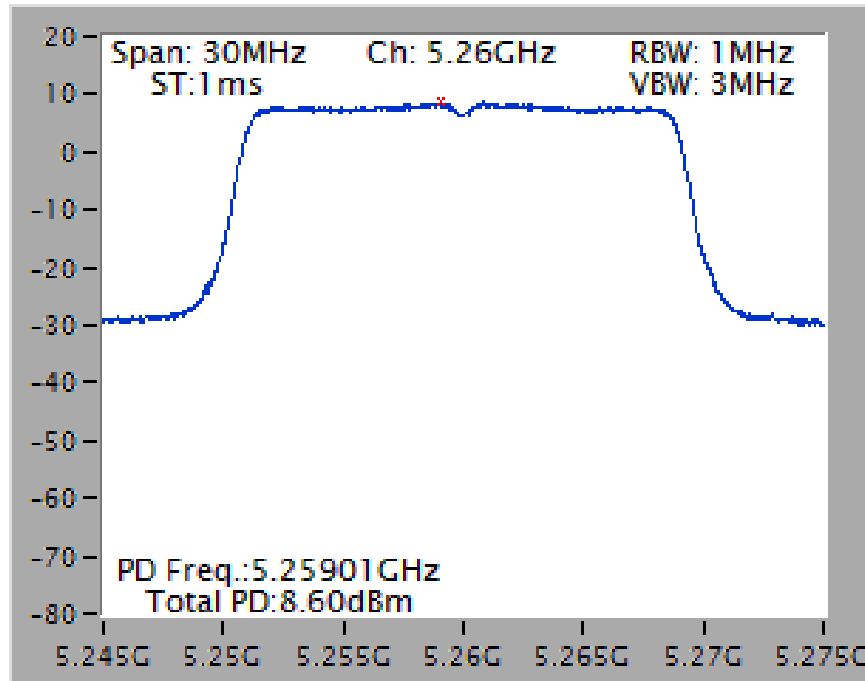
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 / 5530 MHz



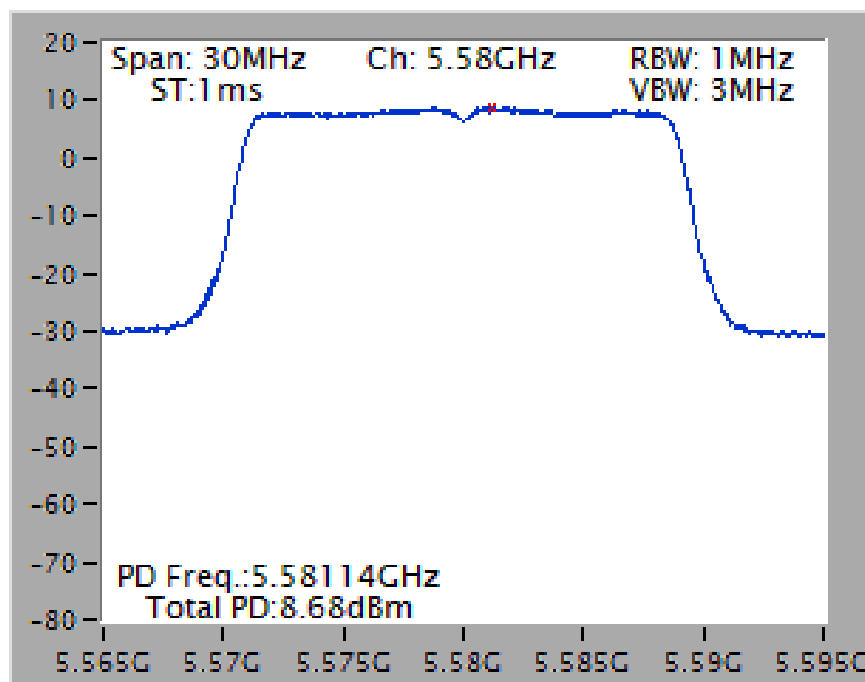
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 / 5690 MHz



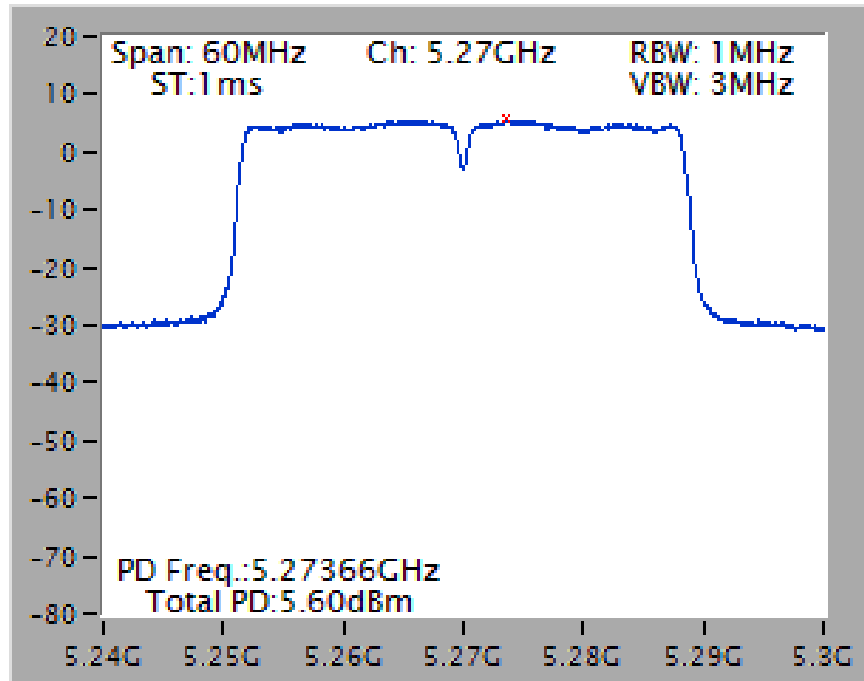
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5260 MHz



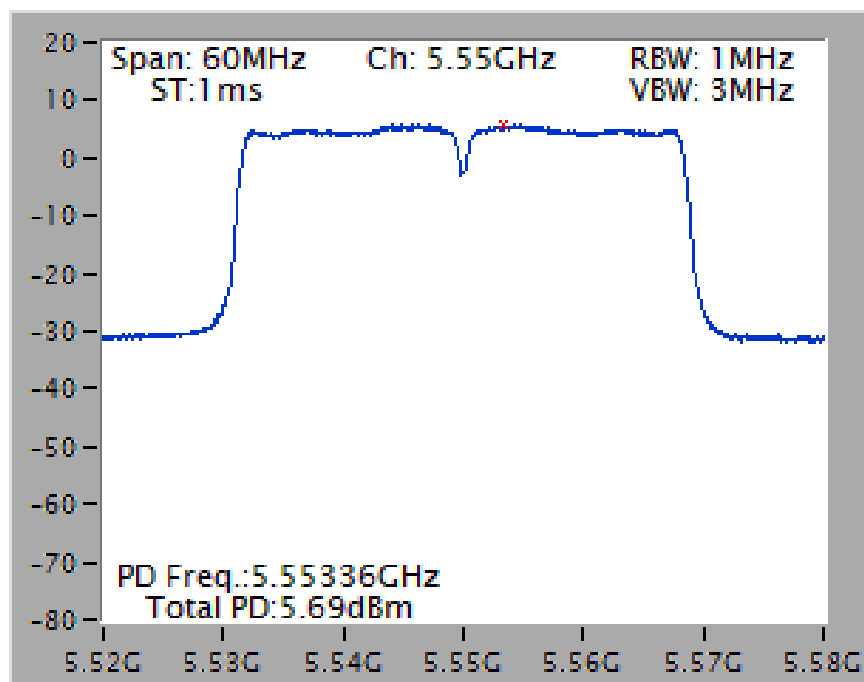
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5580 MHz



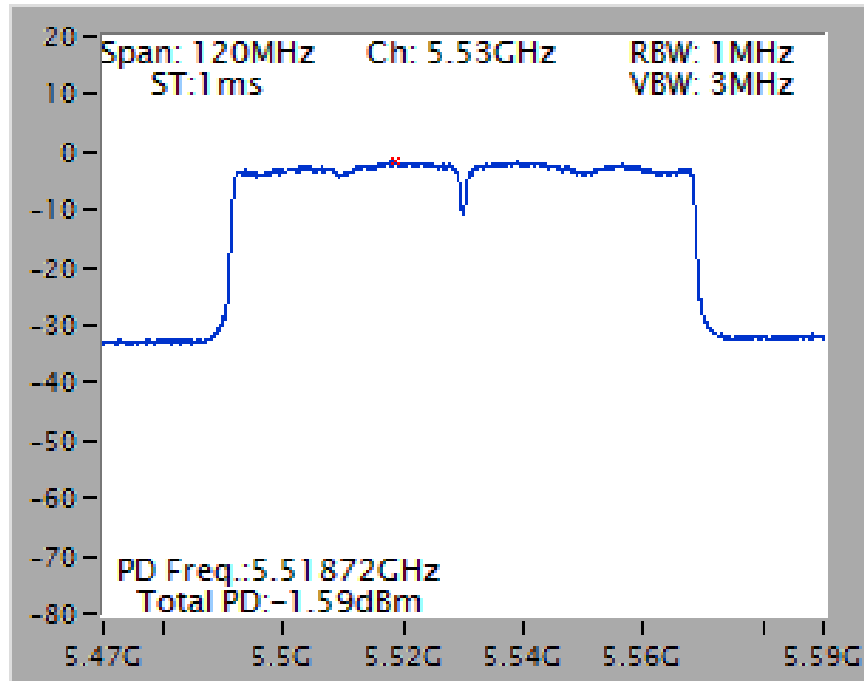
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5270 MHz



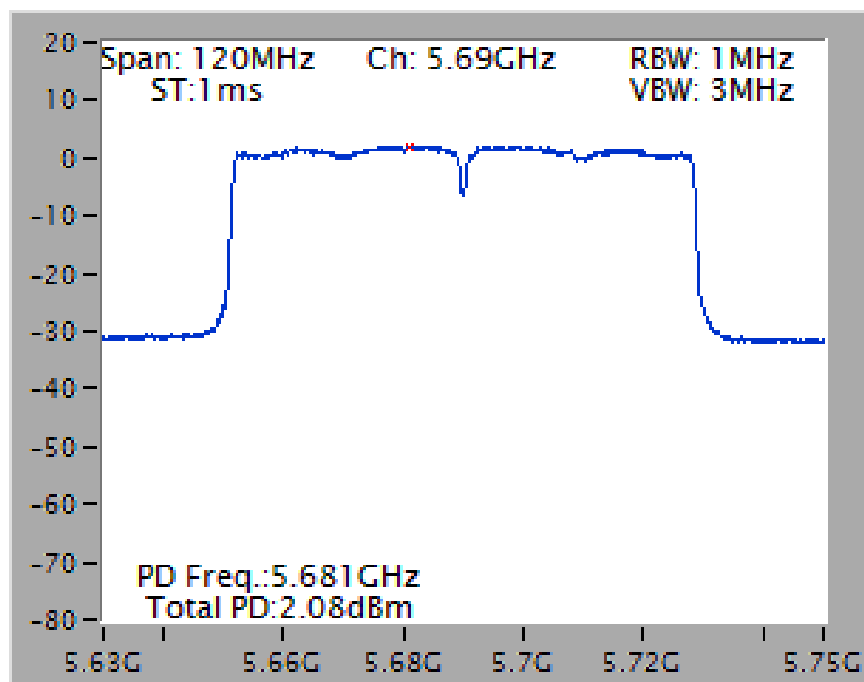
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5530 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5690 MHz



4.6. Radiated Emissions Measurement

4.6.1. Limit

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

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

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

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

4.6.2. Measuring Instruments and Setting

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

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

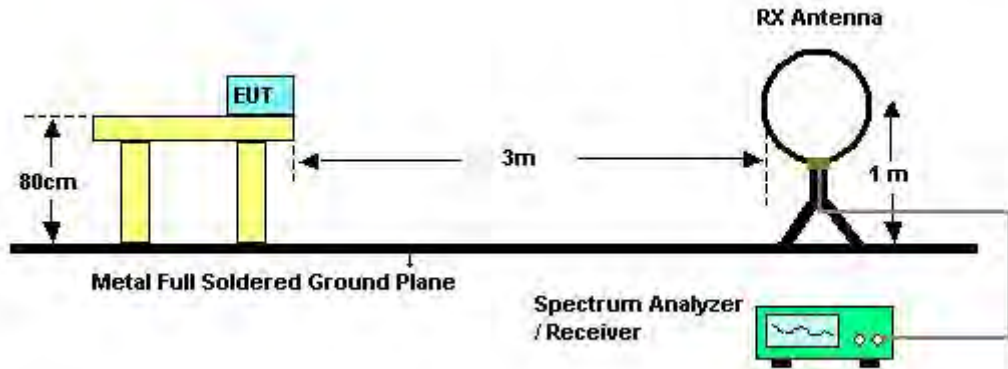
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

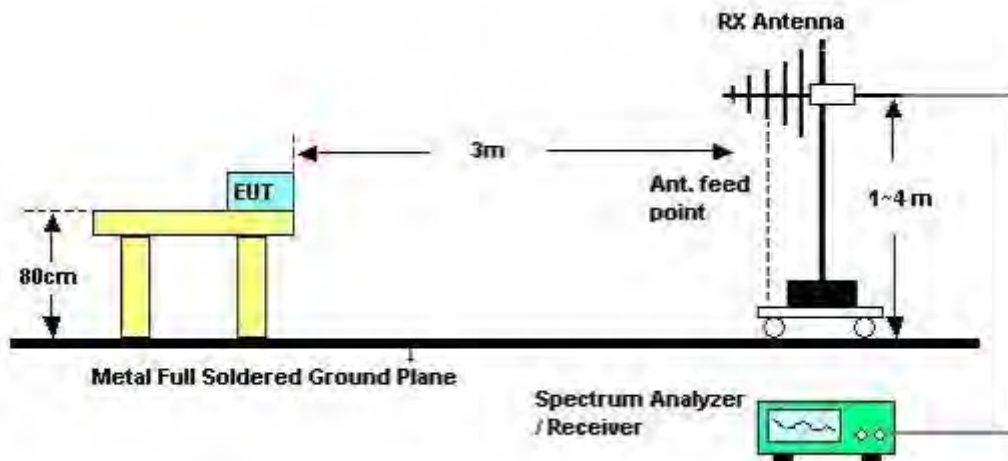
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting 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 3MHz RBW for peak reading. Then 1MHz RBW and 1/T 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

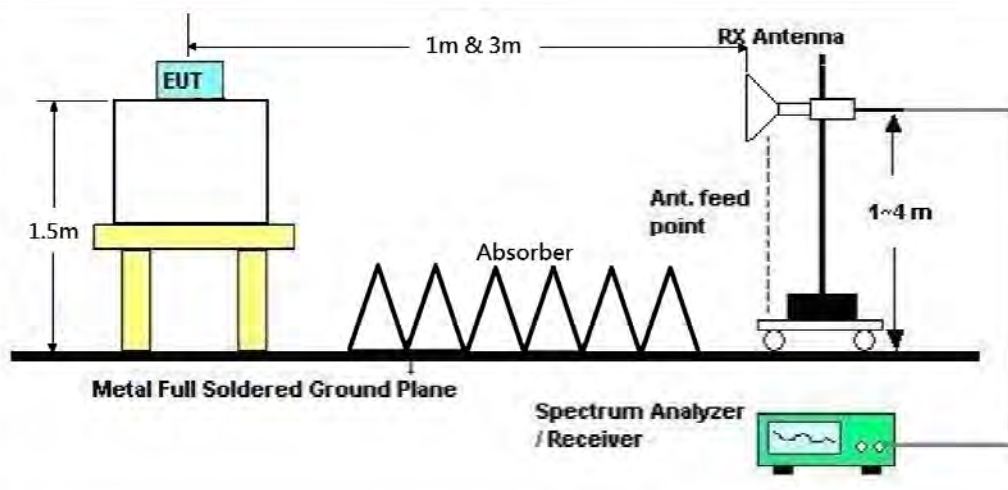
For Radiated Emissions: 9kHz ~30MHz



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	23°C	Humidity	61%
Test Engineer	Roki Liu, Hank Yang	Configurations	Normal Link
Test Date	Jan. 14, 2015		

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

Note:

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

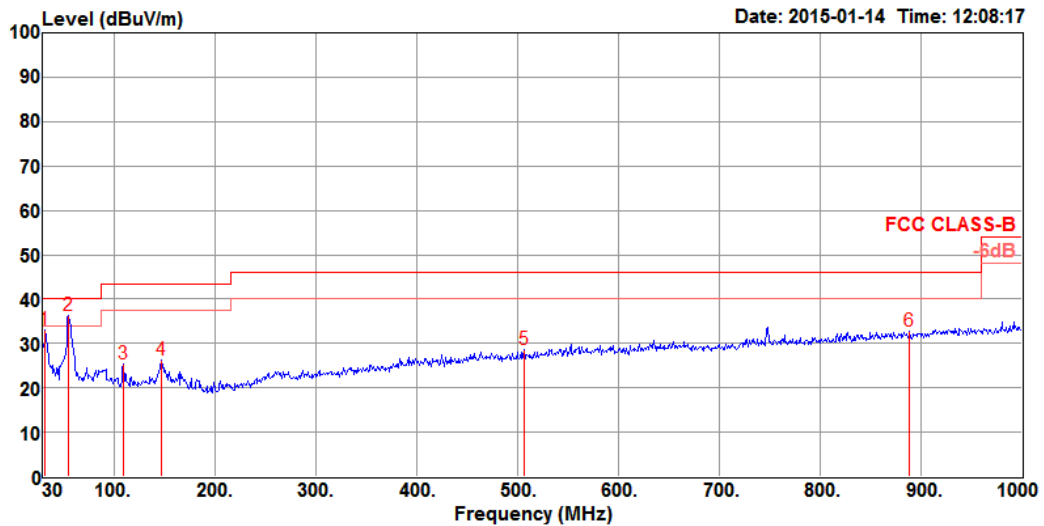
Distance extrapolation factor = $40 \log(\text{specific distance} / \text{test distance})$ (dB);

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

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

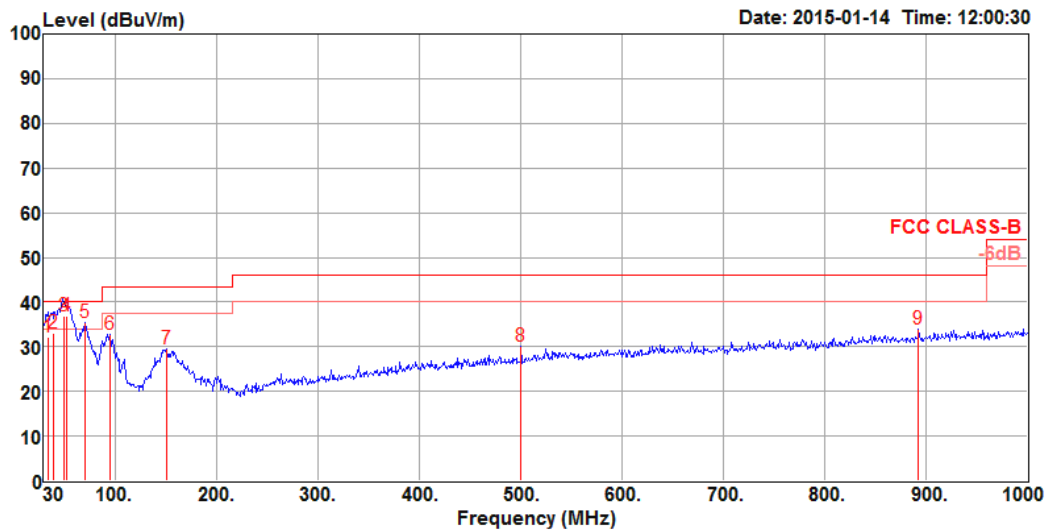
Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu, Hank Yang	Configurations	Normal Link

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	31.94	33.12	40.00	-6.88	46.00	0.46	18.90	32.24	Peak	300	0	HORIZONTAL
2	55.22	36.16	40.00	-3.84	59.87	0.64	7.95	32.30	Peak	400	177	HORIZONTAL
3	109.54	25.44	43.50	-18.06	44.49	0.91	12.30	32.26	Peak	200	119	HORIZONTAL
4	147.37	26.26	43.50	-17.24	45.91	1.06	11.45	32.16	Peak	100	157	HORIZONTAL
5	506.27	28.49	46.00	-17.51	40.78	1.97	17.91	32.17	Peak	300	265	HORIZONTAL
6	888.45	32.66	46.00	-13.34	40.02	2.61	21.61	31.58	Peak	200	279	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	33.88	32.29	40.00	-7.71	46.30	0.49	17.73	32.23	125	171	VERTICAL
2	38.73	33.18	40.00	-6.82	50.10	0.55	14.82	32.29	100	236	VERTICAL
3	50.31	36.81	40.00	-3.19	59.60	0.61	8.93	32.33	125	245	VERTICAL
4	52.43	36.96	40.00	-3.04	60.21	0.62	8.45	32.32	125	350	VERTICAL
5	70.74	35.35	40.00	-4.65	60.07	0.73	6.86	32.31	150	311	VERTICAL
6	94.99	32.87	43.50	-10.63	54.00	0.85	10.17	32.15	100	14	VERTICAL
7	151.25	29.41	43.50	-14.09	49.34	1.07	11.15	32.15	100	0	VERTICAL
8	500.45	30.13	46.00	-15.87	42.51	1.96	17.81	32.15	100	158	VERTICAL
9	892.33	33.91	46.00	-12.09	41.19	2.62	21.64	31.54	125	122	VERTICAL

Note:

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

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

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

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

<For Non-Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.01	58.80	74.00	-15.20	42.07	12.57	38.11	33.95	208	150	Peak	HORIZONTAL
2	15779.09	45.11	54.00	-8.89	28.38	12.57	38.11	33.95	208	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15780.16	58.65	74.00	-15.35	41.92	12.57	38.11	33.95	130	150	Peak	VERTICAL
2	15780.24	45.15	54.00	-8.85	28.42	12.57	38.11	33.95	130	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10599.54	56.41	74.00	-17.59	40.96	10.16	38.92	33.63	73	150	Peak	HORIZONTAL
2	10600.88	43.67	54.00	-10.33	28.18	10.19	38.92	33.62	73	150	Average	HORIZONTAL
3	15899.37	58.64	74.00	-15.36	42.18	12.57	37.94	34.05	131	150	Peak	HORIZONTAL
4	15900.71	45.35	54.00	-8.65	28.91	12.57	37.92	34.05	131	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10596.73	43.57	54.00	-10.43	28.12	10.16	38.92	33.63	81	150	Average	VERTICAL
2	10597.13	56.15	74.00	-17.85	40.70	10.16	38.92	33.63	81	150	Peak	VERTICAL
3	15900.33	45.42	54.00	-8.58	28.96	12.57	37.94	34.05	185	150	Average	VERTICAL
4	15900.90	58.30	74.00	-15.70	41.86	12.57	37.92	34.05	185	150	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.52	56.95	74.00	-17.05	41.41	10.21	38.93	33.60	231	150	Peak	HORIZONTAL
2	10639.80	43.42	54.00	-10.58	27.88	10.21	38.93	33.60	231	150	Average	HORIZONTAL
3	15959.09	45.24	54.00	-8.76	28.96	12.56	37.85	34.13	205	150	Average	HORIZONTAL
4	15960.30	58.53	74.00	-15.47	42.25	12.56	37.85	34.13	205	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.41	43.49	54.00	-10.51	27.95	10.21	38.93	33.60	45	150	Average	VERTICAL
2	10640.88	56.76	74.00	-17.24	41.22	10.21	38.93	33.60	45	150	Peak	VERTICAL
3	15960.05	57.65	74.00	-16.35	41.37	12.56	37.85	34.13	111	150	Peak	VERTICAL
4	15960.59	45.16	54.00	-8.84	28.88	12.56	37.85	34.13	111	150	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10999.97	43.84	54.00	-10.16	27.67	10.55	39.00	33.38	329	150	Average	HORIZONTAL
2	11000.03	57.48	74.00	-16.52	41.31	10.55	39.00	33.38	329	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11000.19	56.70	74.00	-17.30	40.53	10.55	39.00	33.38	278	150	Peak	VERTICAL
2	11000.84	43.23	54.00	-10.77	27.06	10.55	39.00	33.38	278	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11159.04	56.71	74.00	-17.29	40.36	10.60	39.13	33.38	53	150	Peak	HORIZONTAL
2	11160.63	43.90	54.00	-10.10	27.55	10.60	39.13	33.38	53	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11159.60	43.98	54.00	-10.02	27.63	10.60	39.13	33.38	125	150	Average	VERTICAL
2	11160.93	57.04	74.00	-16.96	40.69	10.60	39.13	33.38	125	150	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11439.28	44.66	54.00	-9.34	27.99	10.69	39.35	33.37	261	150	Average	HORIZONTAL
2	11440.80	57.73	74.00	-16.27	41.06	10.69	39.35	33.37	261	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11439.48	57.83	74.00	-16.17	41.16	10.69	39.35	33.37	332	150	Peak	VERTICAL
2	11440.06	44.93	54.00	-9.07	28.26	10.69	39.35	33.37	332	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15810.20	58.29	74.00	-15.71	41.63	12.57	38.07	33.98	166	150	Peak	HORIZONTAL
2	15810.51	45.02	54.00	-8.98	28.36	12.57	38.07	33.98	166	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15809.19	45.32	54.00	-8.68	28.66	12.57	38.07	33.98	219	150	Average	VERTICAL
2	15810.71	57.96	74.00	-16.04	41.30	12.57	38.07	33.98	219	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15810.20	58.29	74.00	-15.71	41.63	12.57	38.07	33.98	166	150	Peak	HORIZONTAL
2	15810.51	45.02	54.00	-8.98	28.36	12.57	38.07	33.98	166	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15809.19	45.32	54.00	-8.68	28.66	12.57	38.07	33.98	219	150	Average	VERTICAL
2	15810.71	57.96	74.00	-16.04	41.30	12.57	38.07	33.98	219	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10619.57	56.07	74.00	-17.93	40.58	10.19	38.92	33.62	126	150	Peak	HORIZONTAL
2	10620.66	43.48	54.00	-10.52	27.99	10.19	38.92	33.62	126	150	Average	HORIZONTAL
3	15929.37	58.64	74.00	-15.36	42.26	12.56	37.90	34.08	21	150	Peak	HORIZONTAL
4	15929.41	45.19	54.00	-8.81	28.81	12.56	37.90	34.08	21	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10619.61	57.65	74.00	-16.35	42.16	10.19	38.92	33.62	148	150	Peak	VERTICAL
2	10620.16	43.33	54.00	-10.67	27.84	10.19	38.92	33.62	148	150	Average	VERTICAL
3	15930.03	58.54	74.00	-15.46	42.16	12.56	37.90	34.08	110	150	Peak	VERTICAL
4	15930.53	44.89	54.00	-9.11	28.53	12.56	37.90	34.10	110	150	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11019.97	43.82	54.00	-10.18	27.63	10.56	39.01	33.38	239	150	Average	HORIZONTAL
2	11020.75	57.04	74.00	-16.96	40.85	10.56	39.01	33.38	239	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11019.65	43.70	54.00	-10.30	27.51	10.56	39.01	33.38	156	150	Average	VERTICAL
2	11019.78	57.16	74.00	-16.84	40.97	10.56	39.01	33.38	156	150	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11100.44	43.93	54.00	-10.07	27.65	10.58	39.08	33.38	233	150	Average	HORIZONTAL
2	11100.56	57.22	74.00	-16.78	40.94	10.58	39.08	33.38	233	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11099.46	43.94	54.00	-10.06	27.66	10.58	39.08	33.38	283	150	Average	VERTICAL
2	11100.02	57.13	74.00	-16.87	40.85	10.58	39.08	33.38	283	150	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11340.06	44.44	54.00	-9.56	27.88	10.66	39.27	33.37	30	150	Average	HORIZONTAL
2	11340.68	57.89	74.00	-16.11	41.32	10.67	39.27	33.37	30	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11339.54	57.57	74.00	-16.43	41.01	10.66	39.27	33.37	171	150	Peak	VERTICAL
2	11340.71	44.65	54.00	-9.35	28.08	10.67	39.27	33.37	171	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11419.77	57.42	74.00	-16.58	40.77	10.69	39.33	33.37	113	150	Peak	HORIZONTAL
2	11419.95	44.60	54.00	-9.40	27.95	10.69	39.33	33.37	113	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11419.12	44.95	54.00	-9.05	28.30	10.69	39.33	33.37	76	150	Average	VERTICAL
2	11419.22	58.34	74.00	-15.66	41.69	10.69	39.33	33.37	76	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15870.36	58.09	74.00	-15.91	41.58	12.57	37.97	34.03	313	150	Peak	HORIZONTAL
2	15870.53	45.11	54.00	-8.89	28.60	12.57	37.97	34.03	313	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15870.15	58.03	74.00	-15.97	41.52	12.57	37.97	34.03	176	150	Peak	VERTICAL
2	15870.82	45.29	54.00	-8.71	28.78	12.57	37.97	34.03	176	150	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11059.01	43.93	54.00	-10.07	27.69	10.57	39.05	33.38	230	150	Average	HORIZONTAL
2	11060.88	56.95	74.00	-17.05	40.70	10.58	39.05	33.38	230	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11059.74	43.74	54.00	-10.26	27.50	10.57	39.05	33.38	287	150	Average	VERTICAL
2	11060.11	56.82	74.00	-17.18	40.57	10.58	39.05	33.38	287	150	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11219.86	57.09	74.00	-16.91	40.67	10.63	39.17	33.38	176	150	Peak	HORIZONTAL
2	11220.00	43.85	54.00	-10.15	27.43	10.63	39.17	33.38	176	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11220.16	57.26	74.00	-16.74	40.84	10.63	39.17	33.38	134	150	Peak	VERTICAL
2	11220.98	43.78	54.00	-10.22	27.36	10.63	39.17	33.38	134	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11380.10	58.37	74.00	-15.63	41.75	10.68	39.31	33.37	312	150	Peak	HORIZONTAL
2	11380.35	44.39	54.00	-9.61	27.77	10.68	39.31	33.37	312	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.83	44.71	54.00	-9.29	28.09	10.68	39.31	33.37	216	150	Average	VERTICAL
2	11380.98	57.29	74.00	-16.71	40.67	10.68	39.31	33.37	216	150	Peak	VERTICAL

Note:

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

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15780.59	57.81	74.00	-16.19	41.08	12.57	38.11	33.95	221	160	Peak	HORIZONTAL
2	15780.88	45.05	54.00	-8.95	28.32	12.57	38.11	33.95	221	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.03	45.30	54.00	-8.70	28.57	12.57	38.11	33.95	193	160	Average	VERTICAL
2	15780.67	58.28	74.00	-15.72	41.55	12.57	38.11	33.95	193	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10599.21	56.19	74.00	-17.81	40.74	10.16	38.92	33.63	124	160	Peak	HORIZONTAL
2	10600.49	43.35	54.00	-10.65	27.90	10.16	38.92	33.63	124	160	Average	HORIZONTAL
3	15900.41	58.36	74.00	-15.64	41.90	12.57	37.94	34.05	283	160	Peak	HORIZONTAL
4	15900.65	45.34	54.00	-8.66	28.90	12.57	37.92	34.05	283	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10599.44	56.03	74.00	-17.97	40.58	10.16	38.92	33.63	306	160	Peak	VERTICAL
2	10599.75	43.49	54.00	-10.51	28.04	10.16	38.92	33.63	306	160	Average	VERTICAL
3	15900.31	45.36	54.00	-8.64	28.90	12.57	37.94	34.05	223	160	Average	VERTICAL
4	15900.59	58.49	74.00	-15.51	42.05	12.57	37.92	34.05	223	160	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.54	43.51	54.00	-10.49	27.97	10.21	38.93	33.60	239	160	Average	HORIZONTAL
2	10639.91	57.25	74.00	-16.75	41.71	10.21	38.93	33.60	239	160	Peak	HORIZONTAL
3	15959.13	58.27	74.00	-15.73	41.99	12.56	37.85	34.13	178	160	Peak	HORIZONTAL
4	15959.47	44.79	54.00	-9.21	28.51	12.56	37.85	34.13	178	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10640.62	56.27	74.00	-17.73	40.73	10.21	38.93	33.60	79	160	Peak	VERTICAL
2	10640.82	43.48	54.00	-10.52	27.94	10.21	38.93	33.60	79	160	Average	VERTICAL
3	15959.38	45.05	54.00	-8.95	28.77	12.56	37.85	34.13	124	160	Average	VERTICAL
4	15960.75	58.14	74.00	-15.86	41.86	12.56	37.85	34.13	124	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10999.08	57.19	74.00	-16.81	41.02	10.55	39.00	33.38	115	160	Peak	HORIZONTAL
2	10999.74	43.78	54.00	-10.22	27.61	10.55	39.00	33.38	115	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10999.13	43.89	54.00	-10.11	27.72	10.55	39.00	33.38	69	160	Average	VERTICAL
2	11000.13	56.62	74.00	-17.38	40.45	10.55	39.00	33.38	69	160	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11160.36	43.98	54.00	-10.02	27.63	10.60	39.13	33.38	268	160	Average	HORIZONTAL
2	11160.52	57.26	74.00	-16.74	40.91	10.60	39.13	33.38	268	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11160.74	57.45	74.00	-16.55	41.10	10.60	39.13	33.38	138	160	Peak	VERTICAL
2	11160.86	44.99	54.00	-9.01	28.64	10.60	39.13	33.38	138	160	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.39	44.68	54.00	-9.32	28.04	10.69	39.32	33.37	342	160	Average	HORIZONTAL
2	11400.49	57.87	74.00	-16.13	41.23	10.69	39.32	33.37	342	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.61	57.44	74.00	-16.56	40.80	10.69	39.32	33.37	300	160	Peak	VERTICAL
2	11399.63	44.63	54.00	-9.37	27.99	10.69	39.32	33.37	300	160	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11440.24	44.77	54.00	-9.23	28.10	10.69	39.35	33.37	167	160	Average	HORIZONTAL
2	11440.31	57.33	74.00	-16.67	40.66	10.69	39.35	33.37	167	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11440.29	44.72	54.00	-9.28	28.05	10.69	39.35	33.37	278	160	Average	VERTICAL
2	11440.35	58.10	74.00	-15.90	41.43	10.69	39.35	33.37	278	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15809.99	58.39	74.00	-15.61	41.73	12.57	38.07	33.98	143	160	Peak	HORIZONTAL
2	15810.47	45.15	54.00	-8.85	28.49	12.57	38.07	33.98	143	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15810.19	45.11	54.00	-8.89	28.45	12.57	38.07	33.98	201	160	Average	VERTICAL
2	15810.48	58.32	74.00	-15.68	41.66	12.57	38.07	33.98	201	160	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10620.16	43.45	54.00	-10.55	27.96	10.19	38.92	33.62	225	160	Average	HORIZONTAL
2	10620.51	56.15	74.00	-17.85	40.66	10.19	38.92	33.62	225	160	Peak	HORIZONTAL
3	15929.46	58.01	74.00	-15.99	41.63	12.56	37.90	34.08	273	160	Peak	HORIZONTAL
4	15930.70	45.28	54.00	-8.72	28.92	12.56	37.90	34.10	273	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10620.36	56.42	74.00	-17.58	40.93	10.19	38.92	33.62	115	160	Peak	VERTICAL
2	10620.86	43.53	54.00	-10.47	28.04	10.19	38.92	33.62	115	160	Average	VERTICAL
3	15930.25	58.07	74.00	-15.93	41.69	12.56	37.90	34.08	149	160	Peak	VERTICAL
4	15930.55	45.25	54.00	-8.75	28.89	12.56	37.90	34.10	149	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11020.46	56.94	74.00	-17.06	40.75	10.56	39.01	33.38	175	160	Peak	HORIZONTAL
2	11020.88	43.91	54.00	-10.09	27.72	10.56	39.01	33.38	175	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11019.74	57.03	74.00	-16.97	40.84	10.56	39.01	33.38	311	160	Peak	VERTICAL
2	11020.45	44.13	54.00	-9.87	27.94	10.56	39.01	33.38	311	160	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11099.21	43.94	54.00	-10.06	27.66	10.58	39.08	33.38	16	160	Average	HORIZONTAL
2	11100.57	57.07	74.00	-16.93	40.79	10.58	39.08	33.38	16	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11100.37	44.03	54.00	-9.97	27.75	10.58	39.08	33.38	131	160	Average	VERTICAL
2	11100.55	57.22	74.00	-16.78	40.94	10.58	39.08	33.38	131	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11340.97	44.53	54.00	-9.47	27.96	10.67	39.27	33.37	282	160	Average	HORIZONTAL
2	11340.99	57.94	74.00	-16.06	41.37	10.67	39.27	33.37	282	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11339.79	57.79	74.00	-16.21	41.23	10.66	39.27	33.37	171	160	Peak	VERTICAL
2	11340.09	44.59	54.00	-9.41	28.03	10.66	39.27	33.37	171	160	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11419.17	44.72	54.00	-9.28	28.07	10.69	39.33	33.37	83	160	Average	HORIZONTAL
2	11419.34	58.41	74.00	-15.59	41.76	10.69	39.33	33.37	83	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11419.10	44.70	54.00	-9.30	28.05	10.69	39.33	33.37	238	160	Average	VERTICAL
2	11420.67	58.05	74.00	-15.95	41.40	10.69	39.33	33.37	238	160	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15869.02	44.94	54.00	-9.06	28.43	12.57	37.97	34.03	182	160	Average	HORIZONTAL
2	15870.02	58.29	74.00	-15.71	41.78	12.57	37.97	34.03	182	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15869.02	45.05	54.00	-8.95	28.54	12.57	37.97	34.03	33	160	Average	VERTICAL
2	15869.47	58.08	74.00	-15.92	41.57	12.57	37.97	34.03	33	160	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11059.86	43.89	54.00	-10.11	27.64	10.58	39.05	33.38	277	160	Average	HORIZONTAL
2	11060.94	56.93	74.00	-17.07	40.68	10.58	39.05	33.38	277	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11059.46	56.98	74.00	-17.02	40.74	10.57	39.05	33.38	139	160	Peak	VERTICAL
2	11059.58	44.03	54.00	-9.97	27.79	10.57	39.05	33.38	139	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11219.25	57.08	74.00	-16.92	40.66	10.63	39.17	33.38	138	160	Peak	HORIZONTAL
2	11220.72	43.81	54.00	-10.19	27.39	10.63	39.17	33.38	138	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11219.40	57.33	74.00	-16.67	40.91	10.63	39.17	33.38	342	160	Peak	VERTICAL
2	11219.60	44.42	54.00	-9.58	28.00	10.63	39.17	33.38	342	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.02	57.78	74.00	-16.22	41.16	10.68	39.31	33.37	116	160	Peak	HORIZONTAL
2	11379.20	44.52	54.00	-9.48	27.90	10.68	39.31	33.37	116	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.50	44.65	54.00	-9.35	28.03	10.68	39.31	33.37	67	160	Average	VERTICAL
2	11380.94	57.80	74.00	-16.20	41.18	10.68	39.31	33.37	67	160	Peak	VERTICAL

Note:

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

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

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



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.52	45.19	54.00	-8.81	28.46	12.57	38.11	33.95	213	160	Average	HORIZONTAL
2	15779.78	58.18	74.00	-15.82	41.45	12.57	38.11	33.95	213	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.00	45.28	54.00	-8.72	28.55	12.57	38.11	33.95	282	160	Average	VERTICAL
2	15779.12	58.11	74.00	-15.89	41.38	12.57	38.11	33.95	282	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10599.01	56.69	74.00	-17.31	41.24	10.16	38.92	33.63	272	160	Peak	HORIZONTAL
2	10599.08	43.53	54.00	-10.47	28.08	10.16	38.92	33.63	272	160	Average	HORIZONTAL
3	15900.29	45.31	54.00	-8.69	28.85	12.57	37.94	34.05	195	160	Average	HORIZONTAL
4	15900.51	58.15	74.00	-15.85	41.71	12.57	37.92	34.05	195	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10599.13	56.77	74.00	-17.23	41.32	10.16	38.92	33.63	136	160	Peak	VERTICAL
2	10599.68	43.60	54.00	-10.40	28.15	10.16	38.92	33.63	136	160	Average	VERTICAL
3	15899.25	58.22	74.00	-15.78	41.76	12.57	37.94	34.05	103	160	Peak	VERTICAL
4	15900.35	45.33	54.00	-8.67	28.87	12.57	37.94	34.05	103	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.39	56.64	74.00	-17.36	41.10	10.21	38.93	33.60	203	160	Peak	HORIZONTAL
2	10640.63	43.65	54.00	-10.35	28.11	10.21	38.93	33.60	203	160	Average	HORIZONTAL
3	15959.04	58.29	74.00	-15.71	42.01	12.56	37.85	34.13	291	160	Peak	HORIZONTAL
4	15959.10	44.85	54.00	-9.15	28.57	12.56	37.85	34.13	291	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.78	43.56	54.00	-10.44	28.02	10.21	38.93	33.60	317	160	Average	VERTICAL
2	10640.27	56.85	74.00	-17.15	41.31	10.21	38.93	33.60	317	160	Peak	VERTICAL
3	15959.10	44.86	54.00	-9.14	28.58	12.56	37.85	34.13	270	160	Average	VERTICAL
4	15959.89	58.81	74.00	-15.19	42.53	12.56	37.85	34.13	270	160	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10999.46	56.94	74.00	-17.06	40.77	10.55	39.00	33.38	94	160	Peak	HORIZONTAL
2	10999.91	44.04	54.00	-9.96	27.87	10.55	39.00	33.38	94	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11000.24	43.83	54.00	-10.17	27.66	10.55	39.00	33.38	50	160	Average	VERTICAL
2	11000.50	57.00	74.00	-17.00	40.83	10.55	39.00	33.38	50	160	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11160.58	56.78	74.00	-17.22	40.43	10.60	39.13	33.38	344	160	Peak	HORIZONTAL
2	11160.61	43.97	54.00	-10.03	27.62	10.60	39.13	33.38	344	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11160.40	44.02	54.00	-9.98	27.67	10.60	39.13	33.38	243	160	Average	VERTICAL
2	11160.88	57.86	74.00	-16.14	41.51	10.60	39.13	33.38	243	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.27	44.72	54.00	-9.28	28.08	10.69	39.32	33.37	260	160	Average	HORIZONTAL
2	11400.07	57.24	74.00	-16.76	40.60	10.69	39.32	33.37	260	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.15	57.82	74.00	-16.18	41.18	10.69	39.32	33.37	303	160	Peak	VERTICAL
2	11399.36	44.87	54.00	-9.13	28.23	10.69	39.32	33.37	303	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11440.13	58.07	74.00	-15.93	41.40	10.69	39.35	33.37	131	160	Peak	HORIZONTAL
2	11440.30	44.97	54.00	-9.03	28.30	10.69	39.35	33.37	131	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11440.13	58.03	74.00	-15.97	41.36	10.69	39.35	33.37	193	160	Peak	VERTICAL
2	11440.32	44.95	54.00	-9.05	28.28	10.69	39.35	33.37	193	160	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15809.65	45.26	54.00	-8.74	28.60	12.57	38.07	33.98	146	160	Average	HORIZONTAL
2	15810.59	58.24	74.00	-15.76	41.58	12.57	38.07	33.98	146	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15809.42	59.53	74.00	-14.47	42.87	12.57	38.07	33.98	97	160	Peak	VERTICAL
2	15810.65	45.41	54.00	-8.59	28.75	12.57	38.07	33.98	97	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10619.90	57.18	74.00	-16.82	41.69	10.19	38.92	33.62	286	160	Peak	HORIZONTAL
2	10620.71	43.65	54.00	-10.35	28.16	10.19	38.92	33.62	286	160	Average	HORIZONTAL
3	15929.25	45.32	54.00	-8.68	28.94	12.56	37.90	34.08	345	160	Average	HORIZONTAL
4	15930.66	58.17	74.00	-15.83	41.81	12.56	37.90	34.10	345	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10620.04	56.88	74.00	-17.12	41.39	10.19	38.92	33.62	177	160	Peak	VERTICAL
2	10620.11	43.44	54.00	-10.56	27.95	10.19	38.92	33.62	177	160	Average	VERTICAL
3	15929.07	45.42	54.00	-8.58	29.04	12.56	37.90	34.08	228	160	Average	VERTICAL
4	15930.68	58.41	74.00	-15.59	42.05	12.56	37.90	34.10	228	160	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11019.63	43.89	54.00	-10.11	27.70	10.56	39.01	33.38	177	160	Average	HORIZONTAL
2	11019.99	57.36	74.00	-16.64	41.17	10.56	39.01	33.38	177	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11019.65	56.80	74.00	-17.20	40.61	10.56	39.01	33.38	247	160	Peak	VERTICAL
2	11020.85	44.13	54.00	-9.87	27.94	10.56	39.01	33.38	247	160	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11099.03	44.01	54.00	-9.99	27.73	10.58	39.08	33.38	41	160	Average	HORIZONTAL
2	11100.26	56.68	74.00	-17.32	40.40	10.58	39.08	33.38	41	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11099.26	57.10	74.00	-16.90	40.82	10.58	39.08	33.38	133	160	Peak	VERTICAL
2	11100.05	44.04	54.00	-9.96	27.76	10.58	39.08	33.38	133	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11340.23	44.63	54.00	-9.37	28.07	10.66	39.27	33.37	158	160	Average	HORIZONTAL
2	11340.97	57.69	74.00	-16.31	41.12	10.67	39.27	33.37	158	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11340.02	58.62	74.00	-15.38	42.06	10.66	39.27	33.37	76	160	Peak	VERTICAL
2	11340.16	44.57	54.00	-9.43	28.01	10.66	39.27	33.37	76	160	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11420.29	58.35	74.00	-15.65	41.70	10.69	39.33	33.37	324	160	Peak	HORIZONTAL
2	11420.56	44.71	54.00	-9.29	28.06	10.69	39.33	33.37	324	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11419.18	44.73	54.00	-9.27	28.08	10.69	39.33	33.37	260	160	Average	VERTICAL
2	11420.29	57.97	74.00	-16.03	41.32	10.69	39.33	33.37	260	160	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15869.68	58.66	74.00	-15.34	42.15	12.57	37.97	34.03	228	160	Peak	HORIZONTAL
2	15870.63	45.12	54.00	-8.88	28.61	12.57	37.97	34.03	228	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15869.30	58.12	74.00	-15.88	41.61	12.57	37.97	34.03	299	160	Peak	VERTICAL
2	15870.06	44.49	54.00	-9.51	27.98	12.57	37.97	34.03	299	160	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11059.07	57.14	74.00	-16.86	40.90	10.57	39.05	33.38	153	160	Peak	HORIZONTAL
2	11059.36	43.81	54.00	-10.19	27.57	10.57	39.05	33.38	153	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11059.71	57.10	74.00	-16.90	40.86	10.57	39.05	33.38	103	160	Peak	VERTICAL
2	11060.85	44.01	54.00	-9.99	27.76	10.58	39.05	33.38	103	160	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11219.62	57.61	74.00	-16.39	41.19	10.63	39.17	33.38	230	160	Peak	HORIZONTAL
2	11220.67	43.89	54.00	-10.11	27.47	10.63	39.17	33.38	230	160	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11220.37	57.60	74.00	-16.40	41.18	10.63	39.17	33.38	183	160	Peak	VERTICAL
2	11220.61	43.86	54.00	-10.14	27.44	10.63	39.17	33.38	183	160	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11380.27	44.50	54.00	-9.50	27.88	10.68	39.31	33.37	228	160	Average	HORIZONTAL
2	11380.29	58.08	74.00	-15.92	41.46	10.68	39.31	33.37	228	160	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.82	44.51	54.00	-9.49	27.89	10.68	39.31	33.37	283	160	Average	VERTICAL
2	11379.94	57.34	74.00	-16.66	40.72	10.68	39.31	33.37	283	160	Peak	VERTICAL

Note:

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

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15778.53	59.37	74.00	-14.63	42.64	12.57	38.11	33.95	10	165	Peak	HORIZONTAL
2	15786.28	45.87	54.00	-8.13	29.16	12.57	38.09	33.95	10	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15784.97	46.14	54.00	-7.86	29.43	12.57	38.09	33.95	6	165	Average	VERTICAL
2	15785.93	58.78	74.00	-15.22	42.07	12.57	38.09	33.95	6	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10591.96	57.04	74.00	-16.96	41.59	10.16	38.92	33.63	44	165	Peak	HORIZONTAL
2	10595.67	43.92	54.00	-10.08	28.47	10.16	38.92	33.63	44	165	Average	HORIZONTAL
3	15893.08	59.22	74.00	-14.78	42.76	12.57	37.94	34.05	37	165	Peak	HORIZONTAL
4	15908.37	45.99	54.00	-8.01	29.59	12.56	37.92	34.08	37	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10595.80	44.02	54.00	-9.98	28.57	10.16	38.92	33.63	14	165	Average	VERTICAL
2	10608.01	57.34	74.00	-16.66	41.85	10.19	38.92	33.62	14	165	Peak	VERTICAL
3	15903.11	59.94	74.00	-14.06	43.50	12.57	37.92	34.05	22	165	Peak	VERTICAL
4	15906.96	46.06	54.00	-7.94	29.66	12.56	37.92	34.08	22	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10634.78	57.80	74.00	-16.20	42.26	10.21	38.93	33.60	29	165	Peak	HORIZONTAL
2	10648.04	43.93	54.00	-10.07	28.39	10.21	38.93	33.60	29	165	Average	HORIZONTAL
3	15951.63	59.27	74.00	-14.73	42.96	12.56	37.85	34.10	56	165	Peak	HORIZONTAL
4	15954.07	45.77	54.00	-8.23	29.46	12.56	37.85	34.10	56	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10632.40	57.95	74.00	-16.05	42.41	10.21	38.93	33.60	41	165	Peak	VERTICAL
2	10644.01	43.81	54.00	-10.19	28.27	10.21	38.93	33.60	41	165	Average	VERTICAL
3	15950.45	45.76	54.00	-8.24	29.43	12.56	37.87	34.10	53	165	Average	VERTICAL
4	15956.44	58.72	74.00	-15.28	42.44	12.56	37.85	34.13	53	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10990.13	44.41	54.00	-9.59	28.24	10.55	39.00	33.38	12	165	Average	HORIZONTAL
2	11000.35	57.48	74.00	-16.52	41.31	10.55	39.00	33.38	12	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10990.67	57.25	74.00	-16.75	41.08	10.55	39.00	33.38	37	165	Peak	VERTICAL
2	10994.29	44.50	54.00	-9.50	28.33	10.55	39.00	33.38	37	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11157.85	58.31	74.00	-15.69	41.96	10.60	39.13	33.38	24	165	Peak	HORIZONTAL
2	11166.51	44.22	54.00	-9.78	27.86	10.61	39.13	33.38	24	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11158.43	44.43	54.00	-9.57	28.08	10.60	39.13	33.38	14	165	Average	VERTICAL
2	11165.93	57.84	74.00	-16.16	41.48	10.61	39.13	33.38	14	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11400.29	45.01	54.00	-8.99	28.37	10.69	39.32	33.37	68	165	Average	HORIZONTAL
2	11409.46	58.61	74.00	-15.39	41.97	10.69	39.32	33.37	68	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11393.53	58.11	74.00	-15.89	41.48	10.69	39.31	33.37	53	165	Peak	VERTICAL
2	11399.62	45.16	54.00	-8.84	28.52	10.69	39.32	33.37	53	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11418.33	58.08	74.00	-15.92	41.43	10.69	39.33	33.37	76	165	Peak	HORIZONTAL
2	11429.62	45.52	54.00	-8.48	28.85	10.69	39.35	33.37	76	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11428.30	45.16	54.00	-8.84	28.51	10.69	39.33	33.37	102	165	Average	VERTICAL
2	11429.90	58.60	74.00	-15.40	41.93	10.69	39.35	33.37	102	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15812.56	58.58	74.00	-15.42	41.92	12.57	38.07	33.98	26	165	Peak	HORIZONTAL
2	15819.39	45.60	54.00	-8.40	28.97	12.57	38.04	33.98	26	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15800.16	59.59	74.00	-14.41	42.90	12.57	38.07	33.95	56	165	Peak	VERTICAL
2	15817.76	45.93	54.00	-8.07	29.30	12.57	38.04	33.98	56	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10627.02	43.91	54.00	-10.09	28.38	10.21	38.92	33.60	47	165	Average	HORIZONTAL
2	10627.66	57.40	74.00	-16.60	41.87	10.21	38.92	33.60	47	165	Peak	HORIZONTAL
3	15920.99	59.59	74.00	-14.41	43.21	12.56	37.90	34.08	76	165	Peak	HORIZONTAL
4	15930.16	46.15	54.00	-7.85	29.77	12.56	37.90	34.08	76	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10614.04	43.95	54.00	-10.05	28.46	10.19	38.92	33.62	50	165	Average	VERTICAL
2	10626.57	57.50	74.00	-16.50	41.97	10.21	38.92	33.60	50	165	Peak	VERTICAL
3	15930.16	46.24	54.00	-7.76	29.86	12.56	37.90	34.08	34	165	Average	VERTICAL
4	15931.60	58.56	74.00	-15.44	42.20	12.56	37.90	34.10	34	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11010.19	57.12	74.00	-16.88	40.93	10.56	39.01	33.38	66	165	Peak	HORIZONTAL
2	11017.08	44.29	54.00	-9.71	28.10	10.56	39.01	33.38	66	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11018.27	44.39	54.00	-9.61	28.20	10.56	39.01	33.38	31	165	Average	VERTICAL
2	11026.03	57.31	74.00	-16.69	41.10	10.56	39.03	33.38	31	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11103.72	44.83	54.00	-9.17	28.55	10.58	39.08	33.38	76	165	Average	HORIZONTAL
2	11109.10	58.34	74.00	-15.66	42.05	10.58	39.09	33.38	76	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11098.43	44.39	54.00	-9.61	28.11	10.58	39.08	33.38	94	165	Average	VERTICAL
2	11099.23	57.71	74.00	-16.29	41.43	10.58	39.08	33.38	94	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11343.49	44.84	54.00	-9.16	28.27	10.67	39.27	33.37	47	165	Average	HORIZONTAL
2	11347.95	58.46	74.00	-15.54	41.88	10.67	39.28	33.37	47	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11345.61	58.43	74.00	-15.57	41.85	10.67	39.28	33.37	15	165	Peak	VERTICAL
2	11347.18	44.99	54.00	-9.01	28.41	10.67	39.28	33.37	15	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11414.29	45.06	54.00	-8.94	28.41	10.69	39.33	33.37	129	165	Average	HORIZONTAL
2	11418.40	58.47	74.00	-15.53	41.82	10.69	39.33	33.37	129	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11415.54	58.93	74.00	-15.07	42.28	10.69	39.33	33.37	92	165	Peak	VERTICAL
2	11426.41	45.16	54.00	-8.84	28.51	10.69	39.33	33.37	92	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15870.06	45.48	54.00	-8.52	28.97	12.57	37.97	34.03	74	165	Average	HORIZONTAL
2	15872.82	58.25	74.00	-15.75	41.74	12.57	37.97	34.03	74	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15860.06	58.46	74.00	-15.54	41.93	12.57	37.99	34.03	88	165	Peak	VERTICAL
2	15879.20	45.78	54.00	-8.22	29.27	12.57	37.97	34.03	88	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11054.23	44.20	54.00	-9.80	27.97	10.57	39.04	33.38	293	165	Average	HORIZONTAL
2	11060.64	57.27	74.00	-16.73	41.02	10.58	39.05	33.38	293	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11063.65	44.28	54.00	-9.72	28.03	10.58	39.05	33.38	335	165	Average	VERTICAL
2	11064.71	57.90	74.00	-16.10	41.65	10.58	39.05	33.38	335	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11224.84	56.91	74.00	-17.09	40.49	10.63	39.17	33.38	43	165	Peak	HORIZONTAL
2	11225.26	44.01	54.00	-9.99	27.59	10.63	39.17	33.38	43	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11215.38	44.19	54.00	-9.81	27.77	10.63	39.17	33.38	62	165	Average	VERTICAL
2	11220.29	57.82	74.00	-16.18	41.40	10.63	39.17	33.38	62	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11382.37	57.88	74.00	-16.12	41.26	10.68	39.31	33.37	51	165	Peak	HORIZONTAL
2	11387.79	44.82	54.00	-9.18	28.20	10.68	39.31	33.37	51	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11380.26	44.97	54.00	-9.03	28.35	10.68	39.31	33.37	13	165	Average	VERTICAL
2	11389.10	58.10	74.00	-15.90	41.48	10.68	39.31	33.37	13	165	Peak	VERTICAL

Note:

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

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15781.28	45.87	54.00	-8.13	29.14	12.57	38.11	33.95	285	165	Average	HORIZONTAL
2	15784.36	59.53	74.00	-14.47	42.82	12.57	38.09	33.95	285	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15771.92	59.01	74.00	-14.99	42.26	12.57	38.11	33.93	308	165	Peak	VERTICAL
2	15775.83	45.85	54.00	-8.15	29.10	12.57	38.11	33.93	308	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10592.82	57.45	74.00	-16.55	42.00	10.16	38.92	33.63	34	165	Peak	HORIZONTAL
2	10593.88	43.76	54.00	-10.24	28.31	10.16	38.92	33.63	34	165	Average	HORIZONTAL
3	15901.28	45.99	54.00	-8.01	29.55	12.57	37.92	34.05	70	165	Average	HORIZONTAL
4	15908.46	58.85	74.00	-15.15	42.45	12.56	37.92	34.08	70	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10595.26	57.18	74.00	-16.82	41.73	10.16	38.92	33.63	262	165	Peak	VERTICAL
2	10608.01	43.99	54.00	-10.01	28.50	10.19	38.92	33.62	262	165	Average	VERTICAL
3	15895.90	59.31	74.00	-14.69	42.85	12.57	37.94	34.05	238	165	Peak	VERTICAL
4	15907.31	45.96	54.00	-8.04	29.56	12.56	37.92	34.08	238	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10635.26	44.02	54.00	-9.98	28.48	10.21	38.93	33.60	13	165	Average	HORIZONTAL
2	10641.57	57.47	74.00	-16.53	41.93	10.21	38.93	33.60	13	165	Peak	HORIZONTAL
3	15952.66	45.76	54.00	-8.24	29.45	12.56	37.85	34.10	64	165	Average	HORIZONTAL
4	15967.08	58.85	74.00	-15.15	42.57	12.56	37.85	34.13	64	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10634.71	44.27	54.00	-9.73	28.73	10.21	38.93	33.60	10	165	Average	VERTICAL
2	10648.17	57.28	74.00	-16.72	41.74	10.21	38.93	33.60	10	165	Peak	VERTICAL
3	15950.93	45.67	54.00	-8.33	29.34	12.56	37.87	34.10	36	165	Average	VERTICAL
4	15955.80	58.74	74.00	-15.26	42.46	12.56	37.85	34.13	36	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11006.60	57.46	74.00	-16.54	41.28	10.55	39.01	33.38	64	165	Peak	HORIZONTAL
2	11007.60	44.36	54.00	-9.64	28.18	10.55	39.01	33.38	64	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11005.51	57.41	74.00	-16.59	41.23	10.55	39.01	33.38	35	165	Peak	VERTICAL
2	11007.69	44.48	54.00	-9.52	28.30	10.55	39.01	33.38	35	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11150.51	44.58	54.00	-9.42	28.24	10.60	39.12	33.38	47	185	Average	HORIZONTAL
2	11150.67	57.52	74.00	-16.48	41.18	10.60	39.12	33.38	47	185	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11158.97	58.03	74.00	-15.97	41.68	10.60	39.13	33.38	352	237	Peak	VERTICAL
2	11161.41	45.03	54.00	-8.97	28.68	10.60	39.13	33.38	352	237	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11394.23	58.23	74.00	-15.77	41.60	10.69	39.31	33.37	37	165	Peak	HORIZONTAL
2	11406.60	45.11	54.00	-8.89	28.47	10.69	39.32	33.37	37	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11395.35	58.09	74.00	-15.91	41.46	10.69	39.31	33.37	74	165	Peak	VERTICAL
2	11401.09	45.34	54.00	-8.66	28.70	10.69	39.32	33.37	74	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11444.07	58.76	74.00	-15.24	42.08	10.70	39.35	33.37	25	165	Peak	HORIZONTAL
2	11446.83	45.38	54.00	-8.62	28.69	10.70	39.36	33.37	25	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11434.62	58.66	74.00	-15.34	41.99	10.69	39.35	33.37	303	156	Peak	VERTICAL
2	11436.44	45.73	54.00	-8.27	29.06	10.69	39.35	33.37	303	156	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15806.51	58.82	74.00	-15.18	42.16	12.57	38.07	33.98	56	165	Peak	HORIZONTAL
2	15815.06	45.81	54.00	-8.19	29.15	12.57	38.07	33.98	56	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15805.45	58.72	74.00	-15.28	42.06	12.57	38.07	33.98	104	165	Peak	VERTICAL
2	15812.50	45.74	54.00	-8.26	29.08	12.57	38.07	33.98	104	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10609.62	43.98	54.00	-10.02	28.49	10.19	38.92	33.62	46	165	Average	HORIZONTAL
2	10618.40	57.02	74.00	-16.98	41.53	10.19	38.92	33.62	46	165	Peak	HORIZONTAL
3	15920.51	46.36	54.00	-7.64	29.98	12.56	37.90	34.08	86	165	Average	HORIZONTAL
4	15937.82	59.26	74.00	-14.74	42.93	12.56	37.87	34.10	86	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10610.64	44.24	54.00	-9.76	28.75	10.19	38.92	33.62	86	165	Average	VERTICAL
2	10629.94	56.93	74.00	-17.07	41.40	10.21	38.92	33.60	86	165	Peak	VERTICAL
3	15924.94	46.19	54.00	-7.81	29.81	12.56	37.90	34.08	108	165	Average	VERTICAL
4	15929.17	58.84	74.00	-15.16	42.46	12.56	37.90	34.08	108	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11015.83	44.52	54.00	-9.48	28.33	10.56	39.01	33.38	61	165	Average	HORIZONTAL
2	11035.51	57.48	74.00	-16.52	41.26	10.57	39.03	33.38	61	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11019.94	44.68	54.00	-9.32	28.49	10.56	39.01	33.38	26	165	Average	VERTICAL
2	11031.09	57.37	74.00	-16.63	41.16	10.56	39.03	33.38	26	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11085.06	44.40	54.00	-9.60	28.13	10.58	39.07	33.38	76	165	Average	HORIZONTAL
2	11098.65	56.92	74.00	-17.08	40.64	10.58	39.08	33.38	76	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11103.01	57.60	74.00	-16.40	41.32	10.58	39.08	33.38	39	165	Peak	VERTICAL
2	11110.51	44.62	54.00	-9.38	28.33	10.58	39.09	33.38	39	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11330.71	58.11	74.00	-15.89	41.55	10.66	39.27	33.37	76	165	Peak	HORIZONTAL
2	11352.18	45.04	54.00	-8.96	28.46	10.67	39.28	33.37	76	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11323.27	45.08	54.00	-8.92	28.54	10.66	39.25	33.37	40	165	Average	VERTICAL
2	11352.95	57.76	74.00	-16.24	41.18	10.67	39.28	33.37	40	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11404.17	58.65	74.00	-15.35	42.01	10.69	39.32	33.37	62	165	Peak	HORIZONTAL
2	11412.50	45.34	54.00	-8.66	28.70	10.69	39.32	33.37	62	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11411.09	58.88	74.00	-15.12	42.24	10.69	39.32	33.37	27	165	Peak	VERTICAL
2	11440.00	45.45	54.00	-8.55	28.78	10.69	39.35	33.37	27	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15880.38	59.04	74.00	-14.96	42.55	12.57	37.97	34.05	72	165	Peak	HORIZONTAL
2	15883.03	45.80	54.00	-8.20	29.31	12.57	37.97	34.05	72	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15866.59	45.98	54.00	-8.02	29.47	12.57	37.97	34.03	45	165	Average	VERTICAL
2	15876.63	59.36	74.00	-14.64	42.85	12.57	37.97	34.03	45	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11047.98	44.23	54.00	-9.77	28.00	10.57	39.04	33.38	19	165	Average	HORIZONTAL
2	11049.95	57.62	74.00	-16.38	41.39	10.57	39.04	33.38	19	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11045.67	44.21	54.00	-9.79	27.98	10.57	39.04	33.38	46	165	Average	VERTICAL
2	11055.10	57.35	74.00	-16.65	41.12	10.57	39.04	33.38	46	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11213.85	57.44	74.00	-16.56	41.02	10.63	39.17	33.38	60	165	Peak	HORIZONTAL
2	11216.92	43.98	54.00	-10.02	27.56	10.63	39.17	33.38	60	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11205.63	57.02	74.00	-16.98	40.62	10.62	39.16	33.38	77	165	Peak	VERTICAL
2	11215.96	43.90	54.00	-10.10	27.48	10.63	39.17	33.38	77	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Jan. 30, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11381.83	57.93	74.00	-16.07	41.31	10.68	39.31	33.37	270	165	Peak	HORIZONTAL
2	11392.55	44.75	54.00	-9.25	28.12	10.69	39.31	33.37	270	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11388.89	57.56	74.00	-16.44	40.94	10.68	39.31	33.37	310	165	Peak	VERTICAL
2	11389.81	44.78	54.00	-9.22	28.16	10.68	39.31	33.37	310	165	Average	VERTICAL

Note:

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

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15775.83	45.56	54.00	-8.44	28.81	12.57	38.11	33.93	285	165	Average	HORIZONTAL
2	15783.11	58.60	74.00	-15.40	41.89	12.57	38.09	33.95	285	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15778.43	45.84	54.00	-8.16	29.11	12.57	38.11	33.95	322	165	Average	VERTICAL
2	15781.63	59.12	74.00	-14.88	42.41	12.57	38.09	33.95	322	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10593.91	43.84	54.00	-10.16	28.39	10.16	38.92	33.63	308	165	Average	HORIZONTAL
2	10599.84	56.86	74.00	-17.14	41.41	10.16	38.92	33.63	308	165	Peak	HORIZONTAL
3	15902.34	59.82	74.00	-14.18	43.38	12.57	37.92	34.05	339	165	Peak	HORIZONTAL
4	15904.49	45.84	54.00	-8.16	29.40	12.57	37.92	34.05	339	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10591.22	43.94	54.00	-10.06	28.49	10.16	38.92	33.63	274	165	Average	VERTICAL
2	10598.04	56.65	74.00	-17.35	41.20	10.16	38.92	33.63	274	165	Peak	VERTICAL
3	15902.24	59.06	74.00	-14.94	42.62	12.57	37.92	34.05	320	165	Peak	VERTICAL
4	15908.46	45.90	54.00	-8.10	29.50	12.56	37.92	34.08	320	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10647.92	57.56	74.00	-16.44	42.02	10.21	38.93	33.60	24	165	Peak	HORIZONTAL
2	10648.11	43.80	54.00	-10.20	28.26	10.21	38.93	33.60	24	165	Average	HORIZONTAL
3	15953.01	45.72	54.00	-8.28	29.41	12.56	37.85	34.10	49	165	Average	HORIZONTAL
4	15957.28	58.62	74.00	-15.38	42.34	12.56	37.85	34.13	49	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10631.03	56.61	74.00	-17.39	41.07	10.21	38.93	33.60	82	165	Peak	VERTICAL
2	10639.71	43.92	54.00	-10.08	28.38	10.21	38.93	33.60	82	165	Average	VERTICAL
3	15951.28	45.69	54.00	-8.31	29.36	12.56	37.87	34.10	56	165	Average	VERTICAL
4	15969.20	58.77	74.00	-15.23	42.52	12.56	37.82	34.13	56	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10998.11	57.78	74.00	-16.22	41.61	10.55	39.00	33.38	54	165	Peak	HORIZONTAL
2	11000.90	44.36	54.00	-9.64	28.19	10.55	39.00	33.38	54	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11006.09	44.24	54.00	-9.76	28.06	10.55	39.01	33.38	13	165	Average	VERTICAL
2	11008.17	57.05	74.00	-16.95	40.87	10.55	39.01	33.38	13	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11075.22	57.58	74.00	-16.42	41.31	10.58	39.07	33.38	74	165	Peak	HORIZONTAL
2	11080.58	44.06	54.00	-9.94	27.79	10.58	39.07	33.38	74	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11077.79	44.08	54.00	-9.92	27.81	10.58	39.07	33.38	18	165	Average	VERTICAL
2	11087.02	57.94	74.00	-16.06	41.67	10.58	39.07	33.38	18	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11543.04	58.41	74.00	-15.59	41.64	10.73	39.42	33.38	93	165	Peak	HORIZONTAL
2	11545.90	45.02	54.00	-8.98	28.23	10.75	39.42	33.38	93	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11536.83	58.10	74.00	-15.90	41.33	10.73	39.42	33.38	56	165	Peak	VERTICAL
2	11538.08	45.13	54.00	-8.87	28.36	10.73	39.42	33.38	56	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11438.33	45.33	54.00	-8.67	28.66	10.69	39.35	33.37	71	165	Average	HORIZONTAL
2	11446.28	58.37	74.00	-15.63	41.69	10.70	39.35	33.37	71	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11433.17	45.35	54.00	-8.65	28.68	10.69	39.35	33.37	37	165	Average	VERTICAL
2	11444.49	58.66	74.00	-15.34	41.98	10.70	39.35	33.37	37	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15800.74	58.60	74.00	-15.40	41.91	12.57	38.07	33.95	60	165	Peak	HORIZONTAL
2	15819.42	45.65	54.00	-8.35	29.02	12.57	38.04	33.98	60	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15801.70	45.81	54.00	-8.19	29.12	12.57	38.07	33.95	26	165	Average	VERTICAL
2	15802.85	58.84	74.00	-15.16	42.18	12.57	38.07	33.98	26	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10623.53	43.92	54.00	-10.08	28.43	10.19	38.92	33.62	106	165	Average	HORIZONTAL
2	10629.90	56.99	74.00	-17.01	41.46	10.21	38.92	33.60	106	165	Peak	HORIZONTAL
3	15932.08	59.62	74.00	-14.38	43.26	12.56	37.90	34.10	81	165	Peak	HORIZONTAL
4	15936.76	45.96	54.00	-8.04	29.63	12.56	37.87	34.10	81	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10611.67	56.92	74.00	-17.08	41.43	10.19	38.92	33.62	18	165	Peak	VERTICAL
2	10622.50	43.94	54.00	-10.06	28.45	10.19	38.92	33.62	18	165	Average	VERTICAL
3	15932.40	45.99	54.00	-8.01	29.63	12.56	37.90	34.10	54	165	Average	VERTICAL
4	15937.66	58.72	74.00	-15.28	42.39	12.56	37.87	34.10	54	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11013.30	44.42	54.00	-9.58	28.23	10.56	39.01	33.38	156	165	Average	HORIZONTAL
2	11018.78	57.09	74.00	-16.91	40.90	10.56	39.01	33.38	156	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11023.53	57.04	74.00	-16.96	40.83	10.56	39.03	33.38	113	165	Peak	VERTICAL
2	11026.63	44.48	54.00	-9.52	28.27	10.56	39.03	33.38	113	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11096.99	44.25	54.00	-9.75	27.97	10.58	39.08	33.38	201	165	Average	HORIZONTAL
2	11100.38	57.02	74.00	-16.98	40.74	10.58	39.08	33.38	201	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11101.12	44.29	54.00	-9.71	28.01	10.58	39.08	33.38	173	165	Average	VERTICAL
2	11101.76	57.21	74.00	-16.79	40.93	10.58	39.08	33.38	173	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11333.30	57.93	74.00	-16.07	41.37	10.66	39.27	33.37	50	165	Peak	HORIZONTAL
2	11341.83	44.78	54.00	-9.22	28.21	10.67	39.27	33.37	50	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11347.34	58.48	74.00	-15.52	41.90	10.67	39.28	33.37	74	165	Peak	VERTICAL
2	11347.95	45.06	54.00	-8.94	28.48	10.67	39.28	33.37	74	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11412.18	45.16	54.00	-8.84	28.52	10.69	39.32	33.37	69	165	Average	HORIZONTAL
2	11420.03	59.02	74.00	-14.98	42.37	10.69	39.33	33.37	69	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11415.35	57.98	74.00	-16.02	41.33	10.69	39.33	33.37	99	165	Peak	VERTICAL
2	11429.84	45.26	54.00	-8.74	28.59	10.69	39.35	33.37	99	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15866.89	58.56	74.00	-15.44	42.05	12.57	37.97	34.03	65	165	Peak	HORIZONTAL
2	15875.03	45.63	54.00	-8.37	29.12	12.57	37.97	34.03	65	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15873.14	45.64	54.00	-8.36	29.13	12.57	37.97	34.03	87	165	Average	VERTICAL
2	15879.58	58.58	74.00	-15.42	42.09	12.57	37.97	34.05	87	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11053.14	44.25	54.00	-9.75	28.02	10.57	39.04	33.38	104	165	Average	HORIZONTAL
2	11055.29	57.19	74.00	-16.81	40.96	10.57	39.04	33.38	104	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11052.37	57.46	74.00	-16.54	41.23	10.57	39.04	33.38	64	165	Peak	VERTICAL
2	11058.24	44.35	54.00	-9.65	28.11	10.57	39.05	33.38	64	165	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11211.89	57.12	74.00	-16.88	40.71	10.62	39.17	33.38	60	165	Peak	HORIZONTAL
2	11216.73	44.00	54.00	-10.00	27.58	10.63	39.17	33.38	60	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11217.53	44.17	54.00	-9.83	27.75	10.63	39.17	33.38	29	165	Average	VERTICAL
2	11217.85	57.23	74.00	-16.77	40.81	10.63	39.17	33.38	29	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11388.30	58.20	74.00	-15.80	41.58	10.68	39.31	33.37	333	165	Peak	HORIZONTAL
2	11388.94	44.80	54.00	-9.20	28.18	10.68	39.31	33.37	333	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11371.06	57.97	74.00	-16.03	41.37	10.68	39.29	33.37	303	165	Peak	VERTICAL
2	11372.12	44.90	54.00	-9.10	28.30	10.68	39.29	33.37	303	165	Average	VERTICAL

Note:

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

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

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



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4
Test Date	Jan. 28, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15770.45	45.72	54.00	-8.28	28.97	12.57	38.11	33.93	209	100	Average	HORIZONTAL
2	15780.51	59.35	74.00	-14.65	42.62	12.57	38.11	33.95	298	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15781.73	45.95	54.00	-8.05	29.24	12.57	38.09	33.95	41	100	Average	VERTICAL
2	15789.33	58.94	74.00	-15.06	42.23	12.57	38.09	33.95	41	100	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.00	43.75	54.00	-10.25	28.30	10.16	38.92	33.63	50	100	Average	HORIZONTAL
2	10600.00	57.77	74.00	-16.23	42.32	10.16	38.92	33.63	50	100	Peak	HORIZONTAL
3	15900.00	46.00	54.00	-8.00	29.54	12.57	37.94	34.05	38	100	Average	HORIZONTAL
4	15900.00	59.78	74.00	-14.22	43.32	12.57	37.94	34.05	38	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.00	43.87	54.00	-10.13	28.42	10.16	38.92	33.63	11	100	Average	VERTICAL
2	10600.00	56.81	74.00	-17.19	41.36	10.16	38.92	33.63	11	100	Peak	VERTICAL
3	15900.00	45.82	54.00	-8.18	29.36	12.57	37.94	34.05	74	100	Average	VERTICAL
4	15900.00	60.04	74.00	-13.96	43.58	12.57	37.94	34.05	74	100	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10640.00	43.81	54.00	-10.19	28.27	10.21	38.93	33.60	34	100	Average	HORIZONTAL
2	10640.00	58.00	74.00	-16.00	42.46	10.21	38.93	33.60	34	100	Peak	HORIZONTAL
3	15960.00	45.56	54.00	-8.44	29.28	12.56	37.85	34.13	20	100	Average	HORIZONTAL
4	15960.00	58.94	74.00	-15.06	42.66	12.56	37.85	34.13	20	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10640.00	43.98	54.00	-10.02	28.44	10.21	38.93	33.60	46	100	Average	VERTICAL
2	10640.00	58.15	74.00	-15.85	42.61	10.21	38.93	33.60	46	100	Peak	VERTICAL
3	15960.00	45.65	54.00	-8.35	29.37	12.56	37.85	34.13	16	100	Average	VERTICAL
4	15960.00	58.88	74.00	-15.12	42.60	12.56	37.85	34.13	16	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10969.10	58.17	74.00	-15.83	42.05	10.53	38.99	33.40	83	100	Peak	HORIZONTAL
2	10975.26	44.75	54.00	-9.25	28.62	10.53	39.00	33.40	83	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11012.69	45.00	54.00	-9.00	28.81	10.56	39.01	33.38	48	100	Average	VERTICAL
2	11025.13	58.04	74.00	-15.96	41.83	10.56	39.03	33.38	48	100	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11155.77	44.58	54.00	-9.42	28.24	10.60	39.12	33.38	279	100	Average	HORIZONTAL
2	11198.33	57.76	74.00	-16.24	41.36	10.62	39.16	33.38	279	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11144.23	44.77	54.00	-9.23	28.43	10.60	39.12	33.38	305	100	Average	VERTICAL
2	11175.90	58.02	74.00	-15.98	41.64	10.61	39.15	33.38	305	100	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11426.54	45.33	54.00	-8.67	28.68	10.69	39.33	33.37	20	100	Average	HORIZONTAL
2	11439.87	59.08	74.00	-14.92	42.41	10.69	39.35	33.37	20	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11368.59	57.95	74.00	-16.05	41.35	10.68	39.29	33.37	8	100	Peak	VERTICAL
2	11428.46	45.63	54.00	-8.37	28.98	10.69	39.33	33.37	8	100	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11428.85	45.46	54.00	-8.54	28.81	10.69	39.33	33.37	309	100	Average	HORIZONTAL
2	11475.77	58.61	74.00	-15.39	41.90	10.71	39.37	33.37	309	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11443.46	58.11	74.00	-15.89	41.43	10.70	39.35	33.37	325	100	Peak	VERTICAL
2	11470.26	45.82	54.00	-8.18	29.11	10.71	39.37	33.37	325	100	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15813.85	58.81	74.00	-15.19	42.15	12.57	38.07	33.98	13	100	Peak	HORIZONTAL
2	15825.38	46.06	54.00	-7.94	29.43	12.57	38.04	33.98	13	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15788.21	46.23	54.00	-7.77	29.52	12.57	38.09	33.95	21	100	Average	VERTICAL
2	15819.62	59.02	74.00	-14.98	42.39	12.57	38.04	33.98	21	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10638.46	56.97	74.00	-17.03	41.43	10.21	38.93	33.60	98	100	Peak	HORIZONTAL
2	10703.21	44.12	54.00	-9.88	28.45	10.28	38.94	33.55	98	100	Average	HORIZONTAL
3	15922.44	46.33	54.00	-7.67	29.95	12.56	37.90	34.08	85	100	Average	HORIZONTAL
4	15926.41	59.51	74.00	-14.49	43.13	12.56	37.90	34.08	85	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10633.08	56.94	74.00	-17.06	41.40	10.21	38.93	33.60	106	100	Peak	VERTICAL
2	10633.59	44.31	54.00	-9.69	28.77	10.21	38.93	33.60	106	100	Average	VERTICAL
3	15927.95	46.29	54.00	-7.71	29.91	12.56	37.90	34.08	94	100	Average	VERTICAL
4	15932.44	59.82	74.00	-14.18	43.46	12.56	37.90	34.10	94	100	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11002.18	57.66	74.00	-16.34	41.49	10.55	39.00	33.38	84	100	Peak	HORIZONTAL
2	11055.64	44.68	54.00	-9.32	28.44	10.57	39.05	33.38	84	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10980.77	57.56	74.00	-16.44	41.43	10.53	39.00	33.40	14	100	Peak	VERTICAL
2	10993.72	44.48	54.00	-9.52	28.31	10.55	39.00	33.38	14	100	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11070.00	44.53	54.00	-9.47	28.28	10.58	39.05	33.38	100	100	Average	HORIZONTAL
2	11085.26	57.31	74.00	-16.69	41.04	10.58	39.07	33.38	100	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11065.38	44.58	54.00	-9.42	28.33	10.58	39.05	33.38	4	100	Average	VERTICAL
2	11094.87	57.88	74.00	-16.12	41.60	10.58	39.08	33.38	4	100	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11332.69	57.66	74.00	-16.34	41.10	10.66	39.27	33.37	11	100	Peak	HORIZONTAL
2	11360.51	44.96	54.00	-9.04	28.38	10.67	39.28	33.37	11	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11308.08	45.03	54.00	-8.97	28.51	10.65	39.24	33.37	41	100	Average	VERTICAL
2	11361.92	58.24	74.00	-15.76	41.65	10.67	39.29	33.37	41	100	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11412.72	58.21	74.00	-15.79	41.56	10.69	39.33	33.37	37	100	Peak	HORIZONTAL
2	11424.81	44.97	54.00	-9.03	28.32	10.69	39.33	33.37	37	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11417.44	58.25	74.00	-15.75	41.60	10.69	39.33	33.37	90	100	Peak	VERTICAL
2	11427.47	45.28	54.00	-8.72	28.63	10.69	39.33	33.37	90	100	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15862.02	58.81	74.00	-15.19	42.28	12.57	37.99	34.03	95	100	Peak	HORIZONTAL
2	15871.54	45.89	54.00	-8.11	29.38	12.57	37.97	34.03	95	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15871.09	58.74	74.00	-15.26	42.23	12.57	37.97	34.03	311	100	Peak	VERTICAL
2	15877.31	45.91	54.00	-8.09	29.40	12.57	37.97	34.03	311	100	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11055.90	57.48	74.00	-16.52	41.24	10.57	39.05	33.38	4	100	Peak	HORIZONTAL
2	11056.41	44.41	54.00	-9.59	28.17	10.57	39.05	33.38	4	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11050.83	57.79	74.00	-16.21	41.56	10.57	39.04	33.38	58	100	Peak	VERTICAL
2	11065.13	44.36	54.00	-9.64	28.11	10.58	39.05	33.38	58	100	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11216.17	44.23	54.00	-9.77	27.81	10.63	39.17	33.38	356	100	Average	HORIZONTAL
2	11221.21	57.69	74.00	-16.31	41.27	10.63	39.17	33.38	356	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11218.27	44.32	54.00	-9.68	27.90	10.63	39.17	33.38	331	100	Average	VERTICAL
2	11223.52	57.65	74.00	-16.35	41.23	10.63	39.17	33.38	331	100	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11382.93	44.84	54.00	-9.16	28.22	10.68	39.31	33.37	74	100	Average	HORIZONTAL
2	11385.27	58.56	74.00	-15.44	41.94	10.68	39.31	33.37	74	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11381.47	44.98	54.00	-9.02	28.36	10.68	39.31	33.37	26	100	Average	VERTICAL
2	11383.15	58.17	74.00	-15.83	41.55	10.68	39.31	33.37	26	100	Peak	VERTICAL

Note:

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

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

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



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15774.07	45.67	54.00	-8.33	28.92	12.57	38.11	33.93	41	200	Average	HORIZONTAL
2	15776.15	59.87	74.00	-14.13	43.12	12.57	38.11	33.93	41	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15774.42	59.18	74.00	-14.82	42.43	12.57	38.11	33.93	23	200	Peak	VERTICAL
2	15779.81	46.56	54.00	-7.44	29.83	12.57	38.11	33.95	23	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10597.79	57.24	74.00	-16.76	41.79	10.16	38.92	33.63	228	200	Peak	HORIZONTAL
2	10609.01	43.93	54.00	-10.07	28.44	10.19	38.92	33.62	228	200	Average	HORIZONTAL
3	15904.33	59.05	74.00	-14.95	42.61	12.57	37.92	34.05	228	200	Peak	HORIZONTAL
4	15908.04	45.95	54.00	-8.05	29.55	12.56	37.92	34.08	228	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10591.31	43.99	54.00	-10.01	28.54	10.16	38.92	33.63	322	200	Average	VERTICAL
2	10607.24	57.80	74.00	-16.20	42.31	10.19	38.92	33.62	322	200	Peak	VERTICAL
3	15900.80	59.39	74.00	-14.61	42.95	12.57	37.92	34.05	262	200	Peak	VERTICAL
4	15904.29	45.91	54.00	-8.09	29.47	12.57	37.92	34.05	262	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10630.38	43.75	54.00	-10.25	28.22	10.21	38.92	33.60	110	200	Average	HORIZONTAL
2	10633.72	57.53	74.00	-16.47	41.99	10.21	38.93	33.60	110	200	Peak	HORIZONTAL
3	15950.03	46.05	54.00	-7.95	29.72	12.56	37.87	34.10	139	200	Average	HORIZONTAL
4	15965.87	58.66	74.00	-15.34	42.38	12.56	37.85	34.13	139	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10634.94	57.04	74.00	-16.96	41.50	10.21	38.93	33.60	327	200	Peak	VERTICAL
2	10645.61	43.97	54.00	-10.03	28.43	10.21	38.93	33.60	327	200	Average	VERTICAL
3	15951.15	45.66	54.00	-8.34	29.33	12.56	37.87	34.10	263	200	Average	VERTICAL
4	15958.69	58.96	74.00	-15.04	42.68	12.56	37.85	34.13	263	200	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10992.98	44.27	54.00	-9.73	28.10	10.55	39.00	33.38	140	200	Average	HORIZONTAL
2	11003.46	57.43	74.00	-16.57	41.26	10.55	39.00	33.38	140	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10996.73	44.57	54.00	-9.43	28.40	10.55	39.00	33.38	277	200	Average	VERTICAL
2	10997.31	58.11	74.00	-15.89	41.94	10.55	39.00	33.38	277	200	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11152.24	57.62	74.00	-16.38	41.28	10.60	39.12	33.38	85	200	Peak	HORIZONTAL
2	11166.28	44.38	54.00	-9.62	28.02	10.61	39.13	33.38	85	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11158.81	44.95	54.00	-9.05	28.60	10.60	39.13	33.38	51	200	Average	VERTICAL
2	11165.10	57.25	74.00	-16.75	40.89	10.61	39.13	33.38	51	200	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11398.78	58.57	74.00	-15.43	41.93	10.69	39.32	33.37	286	200	Peak	HORIZONTAL
2	11401.31	45.10	54.00	-8.90	28.46	10.69	39.32	33.37	286	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11392.05	58.39	74.00	-15.61	41.76	10.69	39.31	33.37	243	200	Peak	VERTICAL
2	11398.62	45.10	54.00	-8.90	28.46	10.69	39.32	33.37	243	200	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11440.19	58.73	74.00	-15.27	42.06	10.69	39.35	33.37	82	200	Peak	HORIZONTAL
2	11440.64	45.34	54.00	-8.66	28.67	10.69	39.35	33.37	82	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11444.26	45.59	54.00	-8.41	28.91	10.70	39.35	33.37	45	200	Average	VERTICAL
2	11446.96	58.61	74.00	-15.39	41.92	10.70	39.36	33.37	45	200	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15806.44	58.61	74.00	-15.39	41.95	12.57	38.07	33.98	106	200	Peak	HORIZONTAL
2	15816.22	45.71	54.00	-8.29	29.08	12.57	38.04	33.98	106	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15803.72	58.99	74.00	-15.01	42.33	12.57	38.07	33.98	351	200	Peak	VERTICAL
2	15808.65	45.72	54.00	-8.28	29.06	12.57	38.07	33.98	351	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10620.38	43.83	54.00	-10.17	28.34	10.19	38.92	33.62	279	200	Average	HORIZONTAL
2	10620.80	57.08	74.00	-16.92	41.59	10.19	38.92	33.62	279	200	Peak	HORIZONTAL
3	15925.35	45.90	54.00	-8.10	29.52	12.56	37.90	34.08	214	200	Average	HORIZONTAL
4	15928.11	59.82	74.00	-14.18	43.44	12.56	37.90	34.08	214	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10610.00	56.98	74.00	-17.02	41.49	10.19	38.92	33.62	46	200	Peak	VERTICAL
2	10612.63	43.89	54.00	-10.11	28.40	10.19	38.92	33.62	46	200	Average	VERTICAL
3	15925.13	59.32	74.00	-14.68	42.94	12.56	37.90	34.08	84	200	Peak	VERTICAL
4	15932.56	46.01	54.00	-7.99	29.65	12.56	37.90	34.10	84	200	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11020.74	57.57	74.00	-16.43	41.38	10.56	39.01	33.38	89	200	Peak	HORIZONTAL
2	11024.17	44.26	54.00	-9.74	28.05	10.56	39.03	33.38	89	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11017.60	44.37	54.00	-9.63	28.18	10.56	39.01	33.38	126	200	Average	VERTICAL
2	11026.44	58.00	74.00	-16.00	41.79	10.56	39.03	33.38	126	200	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11098.94	44.17	54.00	-9.83	27.89	10.58	39.08	33.38	257	200	Average	HORIZONTAL
2	11104.36	57.63	74.00	-16.37	41.35	10.58	39.08	33.38	257	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11095.87	44.34	54.00	-9.66	28.06	10.58	39.08	33.38	143	200	Average	VERTICAL
2	11104.84	57.66	74.00	-16.34	41.38	10.58	39.08	33.38	143	200	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11344.78	58.68	74.00	-15.32	42.10	10.67	39.28	33.37	175	200	Peak	HORIZONTAL
2	11349.87	44.83	54.00	-9.17	28.25	10.67	39.28	33.37	175	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11347.08	44.88	54.00	-9.12	28.30	10.67	39.28	33.37	247	200	Average	VERTICAL
2	11348.88	58.01	74.00	-15.99	41.43	10.67	39.28	33.37	247	200	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11420.74	45.04	54.00	-8.96	28.39	10.69	39.33	33.37	81	200	Average	HORIZONTAL
2	11426.57	59.12	74.00	-14.88	42.47	10.69	39.33	33.37	81	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11414.55	45.10	54.00	-8.90	28.45	10.69	39.33	33.37	23	200	Average	VERTICAL
2	11422.63	58.38	74.00	-15.62	41.73	10.69	39.33	33.37	23	200	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15861.15	58.74	74.00	-15.26	42.21	12.57	37.99	34.03	277	200	Peak	HORIZONTAL
2	15877.92	45.47	54.00	-8.53	28.96	12.57	37.97	34.03	277	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15863.27	58.78	74.00	-15.22	42.25	12.57	37.99	34.03	326	200	Peak	VERTICAL
2	15879.74	45.66	54.00	-8.34	29.17	12.57	37.97	34.05	326	200	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11062.69	44.35	54.00	-9.65	28.10	10.58	39.05	33.38	69	200	Average	HORIZONTAL
2	11069.55	58.00	74.00	-16.00	41.75	10.58	39.05	33.38	69	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11052.53	57.14	74.00	-16.86	40.91	10.57	39.04	33.38	131	200	Peak	VERTICAL
2	11062.47	44.32	54.00	-9.68	28.07	10.58	39.05	33.38	131	200	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11214.29	57.62	74.00	-16.38	41.20	10.63	39.17	33.38	343	200	Peak	HORIZONTAL
2	11215.38	44.08	54.00	-9.92	27.66	10.63	39.17	33.38	343	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11216.35	57.46	74.00	-16.54	41.04	10.63	39.17	33.38	291	200	Peak	VERTICAL
2	11221.83	44.22	54.00	-9.78	27.80	10.63	39.17	33.38	291	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11378.37	58.55	74.00	-15.45	41.95	10.68	39.29	33.37	73	200	Peak	HORIZONTAL
2	11380.13	44.75	54.00	-9.25	28.13	10.68	39.31	33.37	73	200	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11383.04	44.87	54.00	-9.13	28.25	10.68	39.31	33.37	104	200	Average	VERTICAL
2	11385.51	57.72	74.00	-16.28	41.10	10.68	39.31	33.37	104	200	Peak	VERTICAL

Note:

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

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

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



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15781.55	46.13	54.00	-7.87	29.42	12.57	38.09	33.95	29	165	Average	HORIZONTAL
2	15782.09	59.32	74.00	-14.68	42.61	12.57	38.09	33.95	29	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15777.99	58.72	74.00	-15.28	41.99	12.57	38.11	33.95	360	165	Peak	VERTICAL
2	15779.82	45.94	54.00	-8.06	29.21	12.57	38.11	33.95	360	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.79	57.40	74.00	-16.60	41.91	10.19	38.92	33.62	42	165	Peak	HORIZONTAL
2	10603.90	43.85	54.00	-10.15	28.36	10.19	38.92	33.62	42	165	Average	HORIZONTAL
3	15899.35	59.22	74.00	-14.78	42.76	12.57	37.94	34.05	90	165	Peak	HORIZONTAL
4	15905.30	46.00	54.00	-8.00	29.60	12.56	37.92	34.08	90	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10598.51	56.77	74.00	-17.23	41.32	10.16	38.92	33.63	64	165	Peak	VERTICAL
2	10598.96	44.09	54.00	-9.91	28.64	10.16	38.92	33.63	64	165	Average	VERTICAL
3	15902.07	59.06	74.00	-14.94	42.62	12.57	37.92	34.05	51	165	Peak	VERTICAL
4	15904.32	46.05	54.00	-7.95	29.61	12.57	37.92	34.05	51	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10636.75	57.47	74.00	-16.53	41.93	10.21	38.93	33.60	74	165	Peak	HORIZONTAL
2	10639.23	43.93	54.00	-10.07	28.39	10.21	38.93	33.60	74	165	Average	HORIZONTAL
3	15958.87	59.40	74.00	-14.60	43.12	12.56	37.85	34.13	3	165	Peak	HORIZONTAL
4	15960.16	45.84	54.00	-8.16	29.56	12.56	37.85	34.13	3	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10644.05	43.86	54.00	-10.14	28.32	10.21	38.93	33.60	114	165	Average	VERTICAL
2	10644.41	57.18	74.00	-16.82	41.64	10.21	38.93	33.60	114	165	Peak	VERTICAL
3	15956.71	45.79	54.00	-8.21	29.51	12.56	37.85	34.13	40	165	Average	VERTICAL
4	15961.55	59.52	74.00	-14.48	43.24	12.56	37.85	34.13	40	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10998.72	44.56	54.00	-9.44	28.39	10.55	39.00	33.38	80	165	Average	HORIZONTAL
2	11003.08	58.06	74.00	-15.94	41.89	10.55	39.00	33.38	80	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10994.52	44.63	54.00	-9.37	28.46	10.55	39.00	33.38	115	165	Average	VERTICAL
2	10995.65	57.66	74.00	-16.34	41.49	10.55	39.00	33.38	115	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11157.38	57.51	74.00	-16.49	41.17	10.60	39.12	33.38	74	165	Peak	HORIZONTAL
2	11157.48	44.32	54.00	-9.68	27.98	10.60	39.12	33.38	74	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11156.89	57.26	74.00	-16.74	40.92	10.60	39.12	33.38	38	165	Peak	VERTICAL
2	11159.07	44.34	54.00	-9.66	27.99	10.60	39.13	33.38	38	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11396.51	58.67	74.00	-15.33	42.03	10.69	39.32	33.37	65	165	Peak	HORIZONTAL
2	11404.10	45.07	54.00	-8.93	28.43	10.69	39.32	33.37	65	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11398.45	44.98	54.00	-9.02	28.34	10.69	39.32	33.37	13	165	Average	VERTICAL
2	11402.79	58.90	74.00	-15.10	42.26	10.69	39.32	33.37	13	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11435.67	58.94	74.00	-15.06	42.27	10.69	39.35	33.37	101	165	Peak	HORIZONTAL
2	11439.86	45.34	54.00	-8.66	28.67	10.69	39.35	33.37	101	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11434.84	58.54	74.00	-15.46	41.87	10.69	39.35	33.37	38	165	Peak	VERTICAL
2	11437.72	45.66	54.00	-8.34	28.99	10.69	39.35	33.37	38	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15815.03	59.06	74.00	-14.94	42.40	12.57	38.07	33.98	44	165	Peak	HORIZONTAL
2	15815.29	45.83	54.00	-8.17	29.17	12.57	38.07	33.98	44	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15813.42	59.58	74.00	-14.42	42.92	12.57	38.07	33.98	92	165	Peak	VERTICAL
2	15814.50	46.05	54.00	-7.95	29.39	12.57	38.07	33.98	92	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10618.99	56.92	74.00	-17.08	41.43	10.19	38.92	33.62	104	165	Peak	HORIZONTAL
2	10624.39	44.00	54.00	-10.00	28.51	10.19	38.92	33.62	104	165	Average	HORIZONTAL
3	15926.48	59.87	74.00	-14.13	43.49	12.56	37.90	34.08	20	165	Peak	HORIZONTAL
4	15928.90	46.26	54.00	-7.74	29.88	12.56	37.90	34.08	20	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10623.85	44.02	54.00	-9.98	28.53	10.19	38.92	33.62	4	165	Average	VERTICAL
2	10624.39	57.88	74.00	-16.12	42.39	10.19	38.92	33.62	4	165	Peak	VERTICAL
3	15932.66	59.91	74.00	-14.09	43.55	12.56	37.90	34.10	55	165	Peak	VERTICAL
4	15934.51	46.21	54.00	-7.79	29.88	12.56	37.87	34.10	55	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11014.93	44.33	54.00	-9.67	28.14	10.56	39.01	33.38	39	165	Average	HORIZONTAL
2	11016.75	57.46	74.00	-16.54	41.27	10.56	39.01	33.38	39	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11017.32	44.55	54.00	-9.45	28.36	10.56	39.01	33.38	80	165	Average	VERTICAL
2	11021.85	58.01	74.00	-15.99	41.80	10.56	39.03	33.38	80	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11095.07	45.48	54.00	-8.52	29.20	10.58	39.08	33.38	42	165	Average	HORIZONTAL
2	11104.59	58.11	74.00	-15.89	41.83	10.58	39.08	33.38	42	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11096.09	44.46	54.00	-9.54	28.18	10.58	39.08	33.38	102	165	Average	VERTICAL
2	11103.91	57.53	74.00	-16.47	41.25	10.58	39.08	33.38	102	165	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11342.26	44.79	54.00	-9.21	28.22	10.67	39.27	33.37	4	165	Average	HORIZONTAL
2	11343.02	58.07	74.00	-15.93	41.50	10.67	39.27	33.37	4	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11337.35	58.52	74.00	-15.48	41.96	10.66	39.27	33.37	55	165	Peak	VERTICAL
2	11343.52	44.89	54.00	-9.11	28.32	10.67	39.27	33.37	55	165	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11375.66	44.79	54.00	-9.21	28.19	10.68	39.29	33.37	44	165	Average	HORIZONTAL
2	11379.38	59.10	74.00	-14.90	42.48	10.68	39.31	33.37	44	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11376.96	44.73	54.00	-9.27	28.13	10.68	39.29	33.37	109	165	Average	VERTICAL
2	11383.98	58.49	74.00	-15.51	41.87	10.68	39.31	33.37	109	165	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15864.58	45.60	54.00	-8.40	29.07	12.57	37.99	34.03	55	173	Average	HORIZONTAL
2	15866.25	58.60	74.00	-15.40	42.07	12.57	37.99	34.03	55	173	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15864.01	45.79	54.00	-8.21	29.26	12.57	37.99	34.03	343	173	Average	VERTICAL
2	15872.21	60.07	74.00	-13.93	43.56	12.57	37.97	34.03	343	173	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11050.61	57.22	74.00	-16.78	40.99	10.57	39.04	33.38	343	205	Peak	HORIZONTAL
2	11057.63	44.09	54.00	-9.91	27.85	10.57	39.05	33.38	343	205	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11054.23	44.12	54.00	-9.88	27.89	10.57	39.04	33.38	328	205	Average	VERTICAL
2	11056.70	58.21	74.00	-15.79	41.97	10.57	39.05	33.38	328	205	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11216.12	43.93	54.00	-10.07	27.51	10.63	39.17	33.38	62	205	Average	HORIZONTAL
2	11222.34	57.96	74.00	-16.04	41.54	10.63	39.17	33.38	62	205	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11221.15	44.12	54.00	-9.88	27.70	10.63	39.17	33.38	78	205	Average	VERTICAL
2	11223.14	57.09	74.00	-16.91	40.67	10.63	39.17	33.38	78	205	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 29, 2015		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11382.15	57.52	74.00	-16.48	40.90	10.68	39.31	33.37	28	205	Peak	HORIZONTAL
2	11388.59	44.73	54.00	-9.27	28.11	10.68	39.31	33.37	28	205	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11377.40	44.73	54.00	-9.27	28.13	10.68	39.29	33.37	40	205	Average	VERTICAL
2	11386.28	57.58	74.00	-16.42	40.96	10.68	39.31	33.37	40	205	Peak	VERTICAL

Note:

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

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

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

<For Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15777.86	41.71	54.00	-12.29	30.53	7.64	38.48	34.94	Average	239	150	HORIZONTAL
2	15778.21	54.99	74.00	-19.01	43.81	7.64	38.48	34.94	Peak	239	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15777.89	55.09	74.00	-18.91	43.91	7.64	38.48	34.94	Peak	112	150	VERTICAL
2	15782.01	41.82	54.00	-12.18	30.65	7.64	38.47	34.94	Average	112	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10599.54	39.34	54.00	-14.66	29.75	6.21	38.38	35.00	Average	117	151	HORIZONTAL
2	10600.23	51.96	74.00	-22.04	42.37	6.21	38.38	35.00	Peak	117	151	HORIZONTAL
3	15781.20	55.30	74.00	-18.70	44.12	7.64	38.48	34.94	Peak	204	150	HORIZONTAL
4	15782.17	41.69	54.00	-12.31	30.52	7.64	38.47	34.94	Average	204	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10600.26	39.30	54.00	-14.70	29.71	6.21	38.38	35.00	Average	196	158	VERTICAL
2	10602.50	52.85	74.00	-21.15	43.25	6.21	38.38	34.99	Peak	196	158	VERTICAL
3	15779.09	41.90	54.00	-12.10	30.72	7.64	38.48	34.94	Average	128	150	VERTICAL
4	15781.80	55.13	74.00	-18.87	43.96	7.64	38.47	34.94	Peak	128	150	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

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	10637.84	39.19	54.00	-14.81	29.56	6.23	38.37	34.97	Average	106	148	HORIZONTAL
2	10638.94	52.38	74.00	-21.62	42.75	6.23	38.37	34.97	Peak	106	148	HORIZONTAL
3	15960.54	54.47	74.00	-19.53	43.54	7.70	38.33	35.10	Peak	234	153	HORIZONTAL
4	15961.12	41.40	54.00	-12.60	30.47	7.70	38.33	35.10	Average	234	153	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	10637.82	52.58	74.00	-21.42	42.95	6.23	38.37	34.97	Peak	92	157	VERTICAL
2	10641.37	39.24	54.00	-14.76	29.61	6.23	38.37	34.97	Average	92	157	VERTICAL
3	15960.45	41.52	54.00	-12.48	30.59	7.70	38.33	35.10	Average	123	150	VERTICAL
4	15961.84	54.33	74.00	-19.67	43.40	7.70	38.33	35.10	Peak	123	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Feb. 09, 2015 ~ Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11000.74	52.70	74.00	-21.30	42.71	6.40	38.30	34.71	Peak	19	154	HORIZONTAL
2	11001.47	39.57	54.00	-14.43	29.58	6.40	38.30	34.71	Average	19	154	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10997.63	39.68	54.00	-14.32	29.69	6.40	38.30	34.71	Average	90	151	VERTICAL
2	11001.74	52.31	74.00	-21.69	42.32	6.40	38.30	34.71	Peak	90	151	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11157.82	53.29	74.00	-20.71	43.24	6.44	38.30	34.69	Peak	206	152	HORIZONTAL
2	11157.99	39.39	54.00	-14.61	29.34	6.44	38.30	34.69	Average	206	152	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11161.26	39.84	54.00	-14.16	29.79	6.44	38.30	34.69	Average	160	152	VERTICAL
2	11161.49	52.33	74.00	-21.67	42.28	6.44	38.30	34.69	Peak	160	152	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11397.91	52.70	74.00	-21.30	42.56	6.51	38.30	34.67	Peak	203	150	HORIZONTAL
2	11400.22	39.91	54.00	-14.09	29.77	6.51	38.30	34.67	Average	203	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11398.52	40.05	54.00	-13.95	29.91	6.51	38.30	34.67	Average	121	149	VERTICAL
2	11402.00	53.14	74.00	-20.86	43.00	6.51	38.30	34.67	Peak	121	149	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11438.61	40.57	54.00	-13.43	30.42	6.52	38.30	34.67	Average	154	150	HORIZONTAL
2	11440.71	53.56	74.00	-20.44	43.41	6.52	38.30	34.67	Peak	154	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11438.36	40.26	74.00	-33.74	30.11	6.52	38.30	34.67	Peak	167	150	VERTICAL
2	11438.36	40.86	54.00	-13.14	30.71	6.52	38.30	34.67	Average	167	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10537.96	39.24	54.00	-14.76	29.71	6.18	38.39	35.04	Average	155	151	HORIZONTAL
2	10539.39	52.58	74.00	-21.42	43.05	6.18	38.39	35.04	Peak	155	151	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15810.83	54.93	74.00	-19.07	43.80	7.65	38.45	34.97	Peak	58	151	VERTICAL
2	15811.54	41.82	54.00	-12.18	30.69	7.65	38.45	34.97	Average	58	151	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

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	10618.24	52.15	74.00	-21.85	42.54	6.22	38.38	34.99	Peak	220	150	HORIZONTAL
2	10619.92	39.41	54.00	-14.59	29.80	6.22	38.38	34.99	Average	220	150	HORIZONTAL
3	15930.40	41.82	54.00	-12.18	30.85	7.69	38.36	35.08	Average	166	151	HORIZONTAL
4	15930.62	55.79	74.00	-18.21	44.82	7.69	38.36	35.08	Peak	166	151	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	10619.38	52.72	74.00	-21.28	43.11	6.22	38.38	34.99	Peak	43	151	VERTICAL
2	10622.24	39.36	54.00	-14.64	29.75	6.22	38.38	34.99	Average	43	151	VERTICAL
3	15929.68	55.16	74.00	-18.84	44.16	7.69	38.36	35.05	Peak	110	157	VERTICAL
4	15931.58	41.94	54.00	-12.06	30.97	7.69	38.36	35.08	Average	110	157	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11020.55	39.50	54.00	-14.50	29.51	6.40	38.30	34.71	Average	169	150	HORIZONTAL
2	11021.70	52.67	74.00	-21.33	42.67	6.41	38.30	34.71	Peak	169	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11019.29	52.65	74.00	-21.35	42.66	6.40	38.30	34.71	Peak	35	150	VERTICAL
2	11020.13	39.70	54.00	-14.30	29.71	6.40	38.30	34.71	Average	35	150	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11098.01	39.25	54.00	-14.75	29.22	6.43	38.30	34.70	Average	107	150	HORIZONTAL
2	11100.65	52.70	74.00	-21.30	42.67	6.43	38.30	34.70	Peak	107	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11100.47	39.52	54.00	-14.48	29.49	6.43	38.30	34.70	Average	56	150	VERTICAL
2	11101.76	52.26	74.00	-21.74	42.23	6.43	38.30	34.70	Peak	56	150	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

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	11338.59	39.65	54.00	-14.35	29.54	6.49	38.30	34.68	Average	62	150	HORIZONTAL
2	11338.73	52.45	74.00	-21.55	42.34	6.49	38.30	34.68	Peak	62	150	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	11338.14	52.85	74.00	-21.15	42.74	6.49	38.30	34.68	Peak	136	150	VERTICAL
2	11340.38	39.91	54.00	-14.09	29.79	6.49	38.30	34.67	Average	136	150	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11421.35	52.93	74.00	-21.07	42.79	6.51	38.30	34.67	Peak	235	150	HORIZONTAL
2	11422.15	39.86	54.00	-14.14	29.72	6.51	38.30	34.67	Average	235	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11420.68	40.09	54.00	-13.91	29.95	6.51	38.30	34.67	Average	127	150	VERTICAL
2	11421.88	52.44	74.00	-21.56	42.30	6.51	38.30	34.67	Peak	127	150	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15868.45	54.52	74.00	-19.48	43.46	7.67	38.40	35.01	Peak	258	150	HORIZONTAL
2	15870.40	41.50	54.00	-12.50	30.44	7.67	38.40	35.01	Average	258	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15868.18	54.57	74.00	-19.43	43.51	7.67	38.40	35.01	Peak	134	150	VERTICAL
2	15872.00	41.55	54.00	-12.45	30.49	7.67	38.40	35.01	Average	134	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11058.71	52.93	74.00	-21.07	42.91	6.42	38.30	34.70	Peak	210	150	HORIZONTAL
2	11062.08	39.14	54.00	-14.86	29.12	6.42	38.30	34.70	Average	210	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11059.32	52.55	74.00	-21.45	42.53	6.42	38.30	34.70	Peak	168	150	VERTICAL
2	11059.77	39.35	54.00	-14.65	29.33	6.42	38.30	34.70	Average	168	150	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

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	11220.95	52.23	74.00	-21.77	42.16	6.46	38.30	34.69	Peak	223	150	HORIZONTAL
2	11221.32	39.14	54.00	-14.86	29.07	6.46	38.30	34.69	Average	223	150	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	11221.37	52.31	74.00	-21.69	42.24	6.46	38.30	34.69	Peak	134	150	VERTICAL
2	11221.41	39.34	54.00	-14.66	29.27	6.46	38.30	34.69	Average	134	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Feb. 10, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

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	11380.06	39.21	54.00	-14.79	29.07	6.51	38.30	34.67	Average	229	159	HORIZONTAL
2	11381.93	52.34	74.00	-21.66	42.20	6.51	38.30	34.67	Peak	229	159	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	11379.41	39.39	54.00	-14.61	29.25	6.51	38.30	34.67	Average	119	159	VERTICAL
2	11380.65	52.33	74.00	-21.67	42.19	6.51	38.30	34.67	Peak	119	159	VERTICAL

Note:

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

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

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



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15770.58	42.27	54.00	-11.73	31.07	7.64	38.48	34.92	Average	223	100	HORIZONTAL
2	15771.06	53.06	74.00	-20.94	41.86	7.64	38.48	34.92	Peak	223	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15773.14	53.12	74.00	-20.88	41.92	7.64	38.48	34.92	Peak	360	100	VERTICAL
2	15773.94	42.39	54.00	-11.61	31.19	7.64	38.48	34.92	Average	360	100	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 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	10593.35	39.59	54.00	-14.41	30.01	6.20	38.38	35.00	Average	283	100	HORIZONTAL
2	10594.33	52.46	74.00	-21.54	42.88	6.20	38.38	35.00	Peak	283	100	HORIZONTAL
3	15897.44	42.32	54.00	-11.68	31.29	7.68	38.38	35.03	Average	153	100	HORIZONTAL
4	15901.92	54.22	74.00	-19.78	43.19	7.69	38.37	35.03	Peak	153	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	10592.31	39.67	54.00	-14.33	30.09	6.20	38.38	35.00	Average	87	100	VERTICAL
2	10592.53	52.05	74.00	-21.95	42.47	6.20	38.38	35.00	Peak	87	100	VERTICAL
3	15900.45	54.12	74.00	-19.88	43.09	7.68	38.38	35.03	Peak	262	100	VERTICAL
4	15900.67	42.46	54.00	-11.54	31.43	7.69	38.37	35.03	Average	262	100	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10637.24	52.48	74.00	-21.52	42.85	6.23	38.37	34.97	Peak	36	100	HORIZONTAL
2	10639.55	39.64	54.00	-14.36	30.01	6.23	38.37	34.97	Average	36	100	HORIZONTAL
3	15955.54	53.90	74.00	-20.10	42.95	7.70	38.33	35.08	Peak	248	100	HORIZONTAL
4	15958.81	42.21	54.00	-11.79	31.28	7.70	38.33	35.10	Average	248	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10637.28	52.24	74.00	-21.76	42.61	6.23	38.37	34.97	Peak	253	100	VERTICAL
2	10638.05	39.61	54.00	-14.39	29.98	6.23	38.37	34.97	Average	253	100	VERTICAL
3	15960.32	42.18	54.00	-11.82	31.25	7.70	38.33	35.10	Average	127	100	VERTICAL
4	15961.60	54.51	74.00	-19.49	43.58	7.70	38.33	35.10	Peak	127	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10998.72	52.43	74.00	-21.57	42.44	6.40	38.30	34.71	Peak	286	100	HORIZONTAL
2	10999.01	39.85	54.00	-14.15	29.86	6.40	38.30	34.71	Average	286	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10998.53	39.93	54.00	-14.07	29.94	6.40	38.30	34.71	Average	194	100	VERTICAL
2	10999.65	53.20	74.00	-20.80	43.21	6.40	38.30	34.71	Peak	194	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11161.86	39.45	54.00	-14.55	29.40	6.44	38.30	34.69	Average	226	100	HORIZONTAL
2	11166.89	51.39	74.00	-22.61	41.34	6.44	38.30	34.69	Peak	226	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11154.04	51.93	74.00	-22.07	41.88	6.44	38.30	34.69	Peak	140	100	VERTICAL
2	11165.61	39.45	54.00	-14.55	29.40	6.44	38.30	34.69	Average	140	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11447.44	51.85	74.00	-22.15	41.70	6.52	38.30	34.67	Peak	234	100	HORIZONTAL
2	11448.88	40.18	54.00	-13.82	30.03	6.52	38.30	34.67	Average	234	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11440.22	52.42	74.00	-21.58	42.27	6.52	38.30	34.67	Peak	161	100	VERTICAL
2	11442.63	40.45	54.00	-13.55	30.30	6.52	38.30	34.67	Average	161	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11446.09	52.54	74.00	-21.46	42.39	6.52	38.30	34.67	Peak	259	100	HORIZONTAL
2	11446.25	40.50	54.00	-13.50	30.35	6.52	38.30	34.67	Average	259	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11437.12	52.15	74.00	-21.85	42.00	6.52	38.30	34.67	Peak	58	100	VERTICAL
2	11439.84	40.92	54.00	-13.08	30.77	6.52	38.30	34.67	Average	58	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15798.30	41.90	54.00	-12.10	30.73	7.64	38.47	34.94	Average	122	100	HORIZONTAL
2	15804.39	52.28	74.00	-21.72	41.15	7.65	38.45	34.97	Peak	122	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15781.63	41.93	54.00	-12.07	30.76	7.64	38.47	34.94	Average	241	100	VERTICAL
2	15787.88	54.44	74.00	-19.56	43.27	7.64	38.47	34.94	Peak	241	100	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10624.01	51.73	74.00	-22.27	42.12	6.22	38.38	34.99	Peak	98	100	HORIZONTAL
2	10624.33	39.60	54.00	-14.40	29.99	6.22	38.38	34.99	Average	98	100	HORIZONTAL
3	15912.85	54.44	74.00	-19.56	43.43	7.69	38.37	35.05	Peak	218	100	HORIZONTAL
4	15914.29	42.12	54.00	-11.88	31.11	7.69	38.37	35.05	Average	218	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10581.86	39.69	54.00	-14.31	30.11	6.20	38.38	35.00	Average	248	100	VERTICAL
2	10584.26	50.24	74.00	-23.76	40.66	6.20	38.38	35.00	Peak	248	100	VERTICAL
3	15906.76	42.21	54.00	-11.79	31.20	7.69	38.37	35.05	Average	320	100	VERTICAL
4	15910.77	54.50	74.00	-19.50	43.49	7.69	38.37	35.05	Peak	320	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10977.21	39.87	54.00	-14.13	29.91	6.39	38.30	34.73	Average	110	100	HORIZONTAL
2	10979.29	51.52	74.00	-22.48	41.56	6.39	38.30	34.73	Peak	110	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10994.20	49.18	74.00	-24.82	39.19	6.40	38.30	34.71	Peak	274	100	VERTICAL
2	10994.20	39.83	54.00	-14.17	29.84	6.40	38.30	34.71	Average	274	100	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11137.98	50.40	74.00	-23.60	40.35	6.44	38.30	34.69	Peak	347	100	HORIZONTAL
2	11138.62	39.69	54.00	-14.31	29.64	6.44	38.30	34.69	Average	347	100	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11076.76	52.38	74.00	-21.62	42.36	6.42	38.30	34.70	Peak	168	100	VERTICAL
2	11077.56	39.55	54.00	-14.45	29.53	6.42	38.30	34.70	Average	168	100	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 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	11370.93	40.00	54.00	-14.00	29.87	6.50	38.30	34.67	Average	103	100	HORIZONTAL
2	11373.49	51.24	74.00	-22.76	41.11	6.50	38.30	34.67	Peak	103	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	11354.26	51.54	74.00	-22.46	41.41	6.50	38.30	34.67	Peak	185	100	VERTICAL
2	11362.12	40.05	54.00	-13.95	29.92	6.50	38.30	34.67	Average	185	100	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 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	11424.97	52.56	74.00	-21.44	42.42	6.51	38.30	34.67	Peak	98	100	HORIZONTAL
2	11425.13	40.27	54.00	-13.73	30.13	6.51	38.30	34.67	Average	98	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	11425.45	51.84	74.00	-22.16	41.70	6.51	38.30	34.67	Peak	314	100	VERTICAL
2	11432.98	40.34	54.00	-13.66	30.19	6.52	38.30	34.67	Average	314	100	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 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	15871.72	55.43	74.00	-18.57	44.37	7.67	38.40	35.01	Peak	270	150	HORIZONTAL
2	15871.83	41.84	54.00	-12.16	30.78	7.67	38.40	35.01	Average	270	150	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	15870.10	55.34	74.00	-18.66	44.28	7.67	38.40	35.01	Peak	45	150	VERTICAL
2	15871.17	41.99	54.00	-12.01	30.93	7.67	38.40	35.01	Average	45	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11060.73	39.80	54.00	-14.20	29.78	6.42	38.30	34.70	Average	158	150	HORIZONTAL
2	11060.99	52.71	74.00	-21.29	42.69	6.42	38.30	34.70	Peak	158	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11058.85	39.96	54.00	-14.04	29.94	6.42	38.30	34.70	Average	65	150	VERTICAL
2	11061.64	53.45	74.00	-20.55	43.43	6.42	38.30	34.70	Peak	65	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11218.97	53.51	74.00	-20.49	43.44	6.46	38.30	34.69	Peak	180	150	HORIZONTAL
2	11220.06	40.38	54.00	-13.62	30.31	6.46	38.30	34.69	Average	180	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11221.63	40.64	54.00	-13.36	30.57	6.46	38.30	34.69	Average	316	150	VERTICAL
2	11221.97	53.21	74.00	-20.79	43.14	6.46	38.30	34.69	Peak	316	150	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 09, 2015		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 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	11379.17	53.05	74.00	-20.95	42.91	6.51	38.30	34.67	Peak	158	156	HORIZONTAL
2	11381.81	39.87	54.00	-14.13	29.73	6.51	38.30	34.67	Average	158	156	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	11378.29	52.89	74.00	-21.11	42.76	6.50	38.30	34.67	Peak	76	150	VERTICAL
2	11378.46	39.97	54.00	-14.03	29.84	6.50	38.30	34.67	Average	76	150	VERTICAL

Note:

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

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.46	45.11	54.00	-8.89	28.38	12.57	38.11	33.95	70	150	Average	HORIZONTAL
2	15779.63	58.67	74.00	-15.33	41.94	12.57	38.11	33.95	70	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.44	45.21	54.00	-8.79	28.48	12.57	38.11	33.95	41	150	Average	VERTICAL
2	15780.25	57.93	74.00	-16.07	41.20	12.57	38.11	33.95	41	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10599.91	43.44	54.00	-10.56	27.99	10.16	38.92	33.63	119	150	Average	HORIZONTAL
2	10600.24	56.53	74.00	-17.47	41.08	10.16	38.92	33.63	119	150	Peak	HORIZONTAL
3	15900.19	58.68	74.00	-15.32	42.22	12.57	37.94	34.05	145	150	Peak	HORIZONTAL
4	15900.70	45.25	54.00	-8.75	28.81	12.57	37.92	34.05	145	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.25	43.49	54.00	-10.51	28.04	10.16	38.92	33.63	60	150	Average	VERTICAL
2	10600.90	56.77	74.00	-17.23	41.28	10.19	38.92	33.62	60	150	Peak	VERTICAL
3	15900.22	58.46	74.00	-15.54	42.00	12.57	37.94	34.05	101	150	Peak	VERTICAL
4	15900.64	45.29	54.00	-8.71	28.85	12.57	37.92	34.05	101	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.92	43.36	54.00	-10.64	27.82	10.21	38.93	33.60	173	150	Average	HORIZONTAL
2	10640.15	56.83	74.00	-17.17	41.29	10.21	38.93	33.60	173	150	Peak	HORIZONTAL
3	15959.00	44.91	54.00	-9.09	28.63	12.56	37.85	34.13	209	150	Average	HORIZONTAL
4	15959.83	58.21	74.00	-15.79	41.93	12.56	37.85	34.13	209	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.45	43.59	54.00	-10.41	28.05	10.21	38.93	33.60	143	150	Average	VERTICAL
2	10639.71	57.09	74.00	-16.91	41.55	10.21	38.93	33.60	143	150	Peak	VERTICAL
3	15959.01	44.75	54.00	-9.25	28.47	12.56	37.85	34.13	168	150	Average	VERTICAL
4	15960.08	57.95	74.00	-16.05	41.67	12.56	37.85	34.13	168	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10999.76	44.06	54.00	-9.94	27.89	10.55	39.00	33.38	110	150	Average	HORIZONTAL
2	11000.06	57.13	74.00	-16.87	40.96	10.55	39.00	33.38	110	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10999.93	43.87	54.00	-10.13	27.70	10.55	39.00	33.38	145	150	Average	VERTICAL
2	11000.34	56.96	74.00	-17.04	40.79	10.55	39.00	33.38	145	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11159.50	56.69	74.00	-17.31	40.34	10.60	39.13	33.38	44	150	Peak	HORIZONTAL
2	11160.06	43.96	54.00	-10.04	27.61	10.60	39.13	33.38	44	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11159.17	44.90	54.00	-9.10	28.55	10.60	39.13	33.38	85	150	Average	VERTICAL
2	11159.57	57.65	74.00	-16.35	41.30	10.60	39.13	33.38	85	150	Peak	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.26	57.27	74.00	-16.73	40.63	10.69	39.32	33.37	160	150	Peak	HORIZONTAL
2	11399.78	44.67	54.00	-9.33	28.03	10.69	39.32	33.37	160	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.72	44.60	54.00	-9.40	27.96	10.69	39.32	33.37	122	150	Average	VERTICAL
2	11400.59	58.95	74.00	-15.05	42.31	10.69	39.32	33.37	122	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11439.69	44.69	54.00	-9.31	28.02	10.69	39.35	33.37	254	150	Average	HORIZONTAL
2	11439.71	57.17	74.00	-16.83	40.50	10.69	39.35	33.37	254	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11440.21	44.73	54.00	-9.27	28.06	10.69	39.35	33.37	198	150	Average	VERTICAL
2	11440.27	58.45	74.00	-15.55	41.78	10.69	39.35	33.37	198	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15810.15	58.80	74.00	-15.20	42.14	12.57	38.07	33.98	323	150	Peak	HORIZONTAL
2	15810.59	45.27	54.00	-8.73	28.61	12.57	38.07	33.98	323	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15809.60	58.25	74.00	-15.75	41.59	12.57	38.07	33.98	279	150	Peak	VERTICAL
2	15810.69	45.06	54.00	-8.94	28.40	12.57	38.07	33.98	279	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10619.40	43.47	54.00	-10.53	27.98	10.19	38.92	33.62	258	150	Average	HORIZONTAL
2	10620.80	56.32	74.00	-17.68	40.83	10.19	38.92	33.62	258	150	Peak	HORIZONTAL
3	15929.07	45.40	54.00	-8.60	29.02	12.56	37.90	34.08	217	150	Average	HORIZONTAL
4	15930.83	58.29	74.00	-15.71	41.93	12.56	37.90	34.10	217	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10619.69	56.93	74.00	-17.07	41.44	10.19	38.92	33.62	352	150	Peak	VERTICAL
2	10620.81	43.65	54.00	-10.35	28.16	10.19	38.92	33.62	352	150	Average	VERTICAL
3	15929.12	46.02	54.00	-7.98	29.64	12.56	37.90	34.08	291	150	Average	VERTICAL
4	15930.35	58.43	74.00	-15.57	42.07	12.56	37.90	34.10	291	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11019.08	57.26	74.00	-16.74	41.07	10.56	39.01	33.38	154	150	Peak	HORIZONTAL
2	11020.98	43.89	54.00	-10.11	27.70	10.56	39.01	33.38	154	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11020.69	43.91	54.00	-10.09	27.72	10.56	39.01	33.38	199	150	Average	VERTICAL
2	11020.75	57.38	74.00	-16.62	41.19	10.56	39.01	33.38	199	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11100.10	43.93	54.00	-10.07	27.65	10.58	39.08	33.38	63	150	Average	HORIZONTAL
2	11100.79	56.54	74.00	-17.46	40.26	10.58	39.08	33.38	63	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11100.75	56.79	74.00	-17.21	40.51	10.58	39.08	33.38	123	150	Peak	VERTICAL
2	11100.85	44.00	54.00	-10.00	27.72	10.58	39.08	33.38	123	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11339.51	44.63	54.00	-9.37	28.07	10.66	39.27	33.37	164	150	Average	HORIZONTAL
2	11340.84	57.44	74.00	-16.56	40.87	10.67	39.27	33.37	164	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11339.12	44.53	54.00	-9.47	27.97	10.66	39.27	33.37	95	150	Average	VERTICAL
2	11339.64	57.58	74.00	-16.42	41.02	10.66	39.27	33.37	95	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11420.49	57.77	74.00	-16.23	41.12	10.69	39.33	33.37	303	150	Peak	HORIZONTAL
2	11420.81	44.71	54.00	-9.29	28.06	10.69	39.33	33.37	303	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11420.41	58.82	74.00	-15.18	42.17	10.69	39.33	33.37	197	150	Peak	VERTICAL
2	11420.52	45.73	54.00	-8.27	29.08	10.69	39.33	33.37	197	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15869.08	45.13	54.00	-8.87	28.62	12.57	37.97	34.03	310	150	Average	HORIZONTAL
2	15869.75	58.47	74.00	-15.53	41.96	12.57	37.97	34.03	310	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15869.14	45.22	54.00	-8.78	28.71	12.57	37.97	34.03	262	150	Average	VERTICAL
2	15870.71	59.09	74.00	-14.91	42.58	12.57	37.97	34.03	262	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11059.63	43.75	54.00	-10.25	27.51	10.57	39.05	33.38	187	150	Average	HORIZONTAL
2	11059.72	57.12	74.00	-16.88	40.88	10.57	39.05	33.38	187	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11059.13	43.85	54.00	-10.15	27.61	10.57	39.05	33.38	251	150	Average	VERTICAL
2	11059.52	57.20	74.00	-16.80	40.96	10.57	39.05	33.38	251	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11219.36	57.37	74.00	-16.63	40.95	10.63	39.17	33.38	48	150	Peak	HORIZONTAL
2	11219.90	43.86	54.00	-10.14	27.44	10.63	39.17	33.38	48	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11219.11	57.03	74.00	-16.97	40.61	10.63	39.17	33.38	135	150	Peak	VERTICAL
2	11220.90	43.78	54.00	-10.22	27.36	10.63	39.17	33.38	135	150	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.14	57.37	74.00	-16.63	40.75	10.68	39.31	33.37	164	150	Peak	HORIZONTAL
2	11379.44	44.42	54.00	-9.58	27.80	10.68	39.31	33.37	164	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.33	45.44	54.00	-8.56	28.82	10.68	39.31	33.37	67	150	Average	VERTICAL
2	11379.55	58.61	74.00	-15.39	41.99	10.68	39.31	33.37	67	150	Peak	VERTICAL

Note:

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

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

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

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15778.46	44.11	54.00	-9.89	27.38	12.57	38.11	33.95	170	150	Average	HORIZONTAL
2	15780.63	57.67	74.00	-16.33	40.94	12.57	38.11	33.95	170	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15780.44	44.21	54.00	-9.79	27.48	12.57	38.11	33.95	141	150	Average	VERTICAL
2	15781.25	56.93	74.00	-17.07	40.20	12.57	38.11	33.95	141	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.14	56.81	74.00	-17.19	41.36	10.16	38.92	33.63	104	150	Peak	HORIZONTAL
2	10600.44	43.13	54.00	-10.87	27.68	10.16	38.92	33.63	104	150	Average	HORIZONTAL
3	15900.37	58.55	74.00	-15.45	42.09	12.57	37.94	34.05	220	150	Peak	HORIZONTAL
4	15900.49	45.34	54.00	-8.66	28.88	12.57	37.94	34.05	220	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.10	43.42	54.00	-10.58	27.97	10.16	38.92	33.63	204	150	Average	VERTICAL
2	10600.49	57.51	74.00	-16.49	42.06	10.16	38.92	33.63	204	150	Peak	VERTICAL
3	15899.99	58.56	74.00	-15.44	42.10	12.57	37.94	34.05	285	150	Peak	VERTICAL
4	15900.67	45.25	54.00	-8.75	28.81	12.57	37.92	34.05	285	150	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.21	43.44	54.00	-10.56	27.90	10.21	38.93	33.60	165	150	Average	HORIZONTAL
2	10640.81	56.32	74.00	-17.68	40.78	10.21	38.93	33.60	165	150	Peak	HORIZONTAL
3	15959.05	44.95	54.00	-9.05	28.67	12.56	37.85	34.13	188	150	Average	HORIZONTAL
4	15960.02	58.14	74.00	-15.86	41.86	12.56	37.85	34.13	188	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.67	56.33	74.00	-17.67	40.79	10.21	38.93	33.60	247	150	Peak	VERTICAL
2	10640.96	43.49	54.00	-10.51	27.95	10.21	38.93	33.60	247	150	Average	VERTICAL
3	15960.46	58.05	74.00	-15.95	41.77	12.56	37.85	34.13	111	150	Peak	VERTICAL
4	15960.79	44.84	54.00	-9.16	28.56	12.56	37.85	34.13	111	150	Average	VERTICAL



Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10999.98	56.55	74.00	-17.45	40.38	10.55	39.00	33.38	67	150	Peak	HORIZONTAL
2	11000.18	43.83	54.00	-10.17	27.66	10.55	39.00	33.38	67	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10999.91	43.93	54.00	-10.07	27.76	10.55	39.00	33.38	139	150	Average	VERTICAL
2	11000.08	57.65	74.00	-16.35	41.48	10.55	39.00	33.38	139	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11159.17	44.16	54.00	-9.84	27.81	10.60	39.13	33.38	155	150	Average	HORIZONTAL
2	11160.31	57.93	74.00	-16.07	41.58	10.60	39.13	33.38	155	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11159.07	43.93	54.00	-10.07	27.58	10.60	39.13	33.38	26	150	Average	VERTICAL
2	11159.78	56.49	74.00	-17.51	40.14	10.60	39.13	33.38	26	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.31	44.62	54.00	-9.38	27.98	10.69	39.32	33.37	185	150	Average	HORIZONTAL
2	11400.44	58.26	74.00	-15.74	41.62	10.69	39.32	33.37	185	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11400.32	44.64	54.00	-9.36	28.00	10.69	39.32	33.37	321	150	Average	VERTICAL
2	11400.67	57.47	74.00	-16.53	40.83	10.69	39.32	33.37	321	150	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6
Test Date	Feb. 01, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11439.39	44.81	54.00	-9.19	28.14	10.69	39.35	33.37	21	150	Average	HORIZONTAL
2	11439.92	57.91	74.00	-16.09	41.24	10.69	39.35	33.37	21	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11440.35	57.95	74.00	-16.05	41.28	10.69	39.35	33.37	134	150	Peak	VERTICAL
2	11440.39	44.76	54.00	-9.24	28.09	10.69	39.35	33.37	134	150	Average	VERTICAL