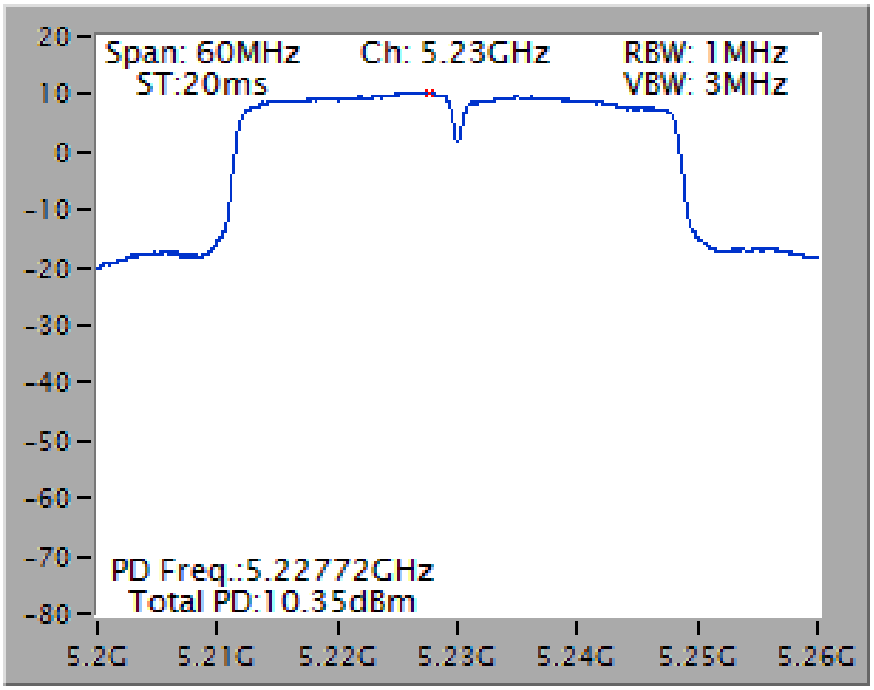
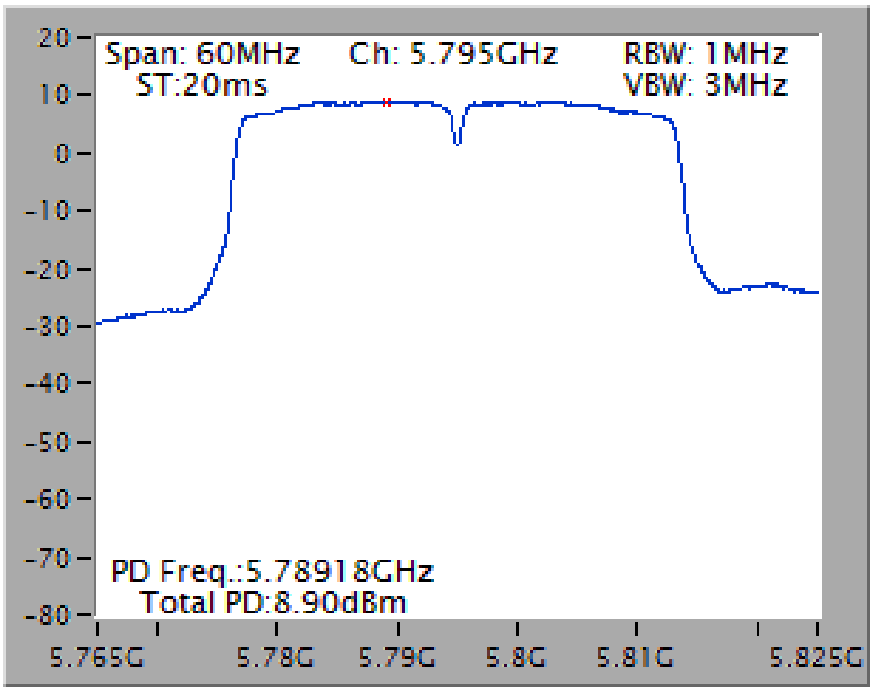
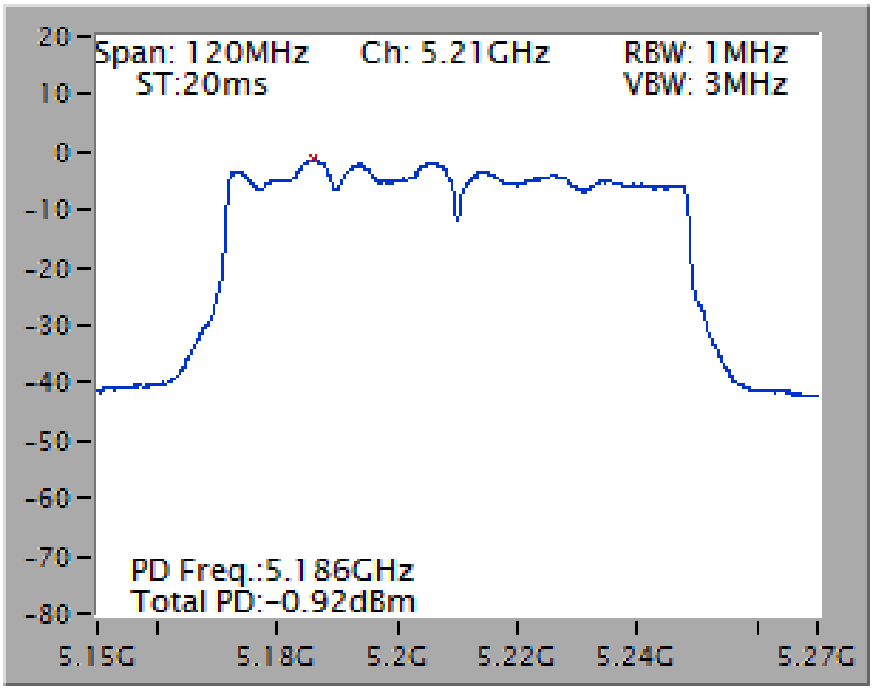
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



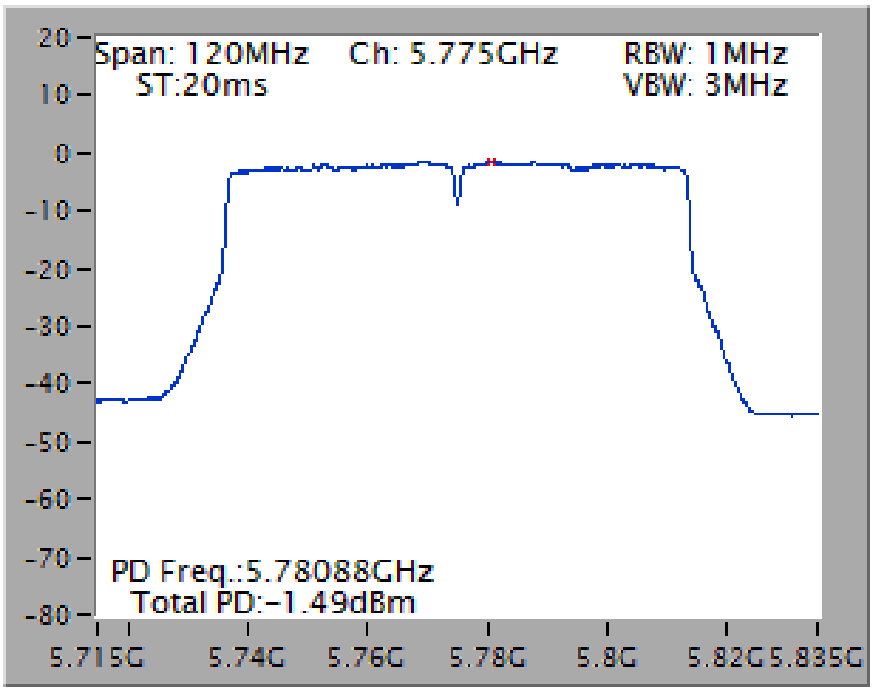
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

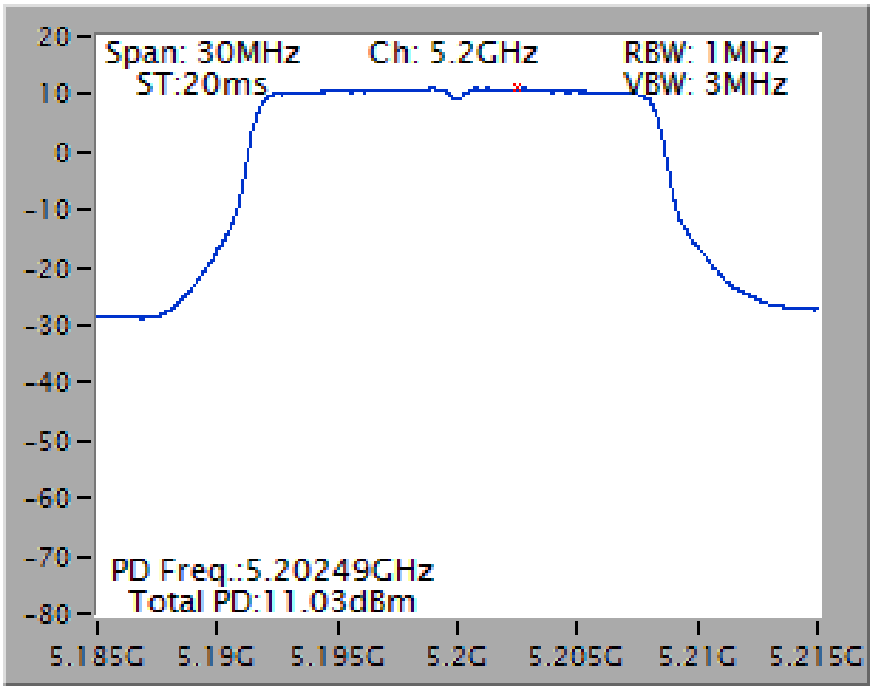


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

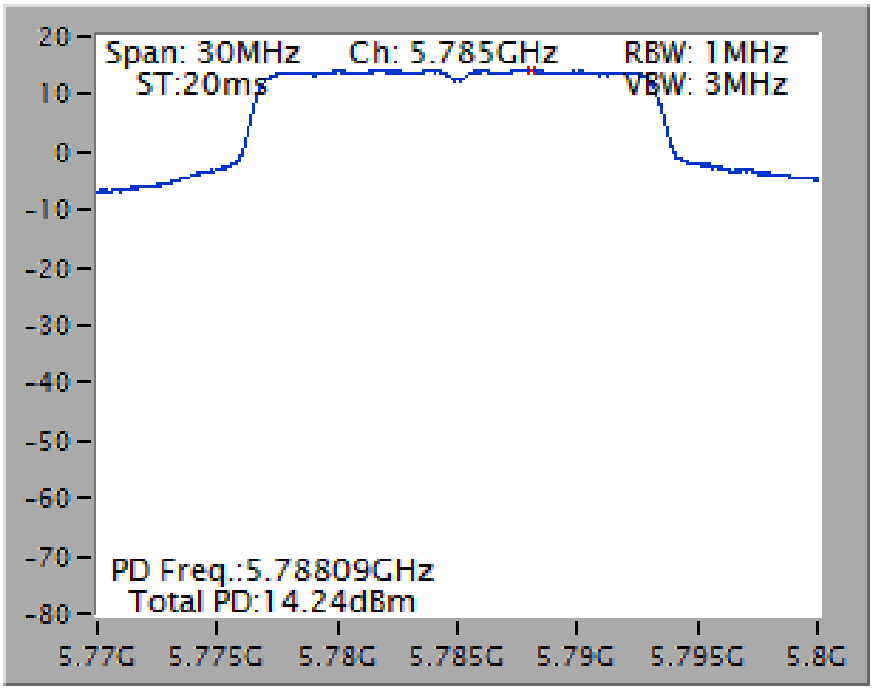


Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi

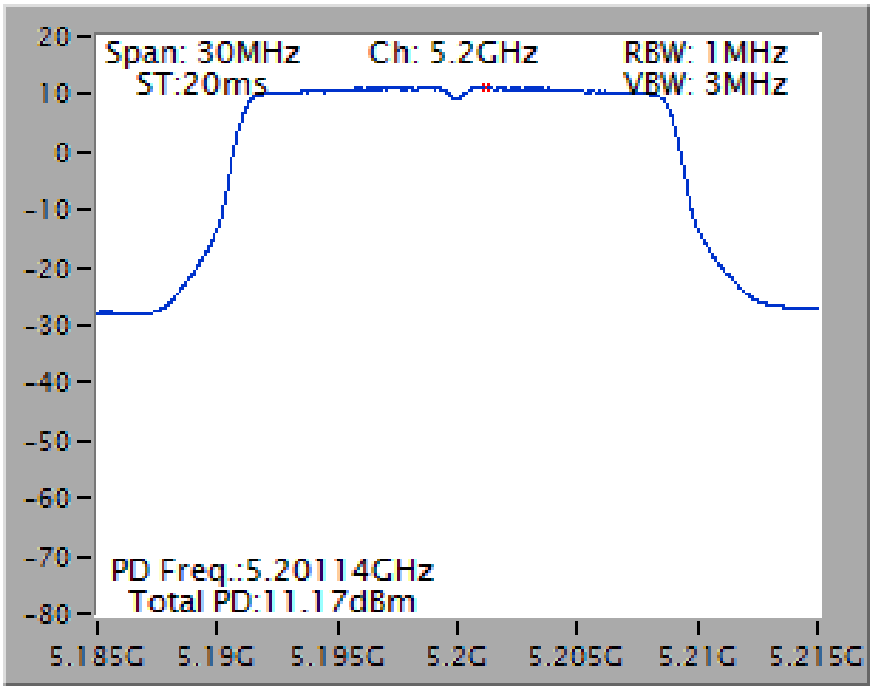
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



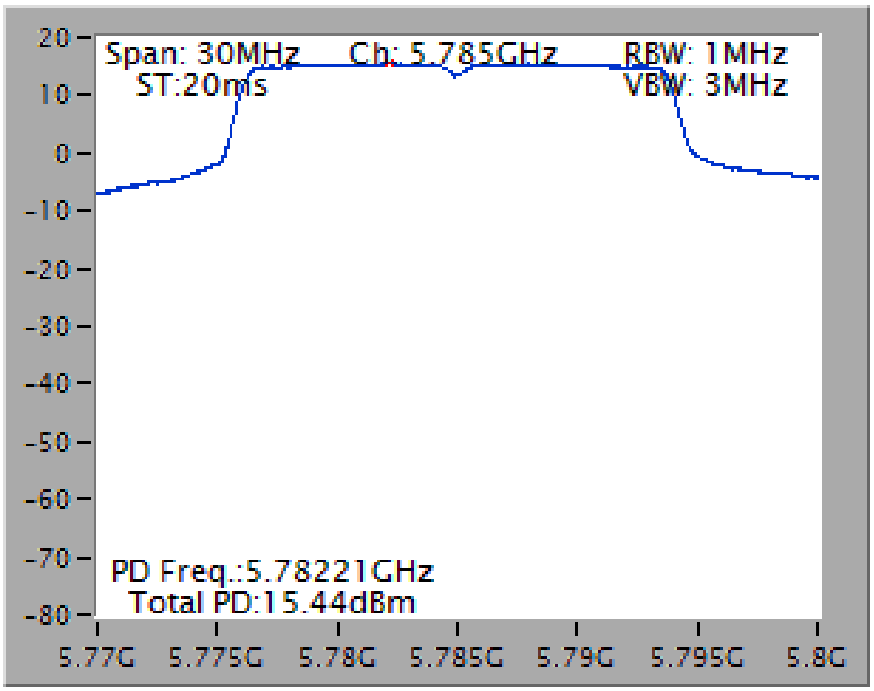
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



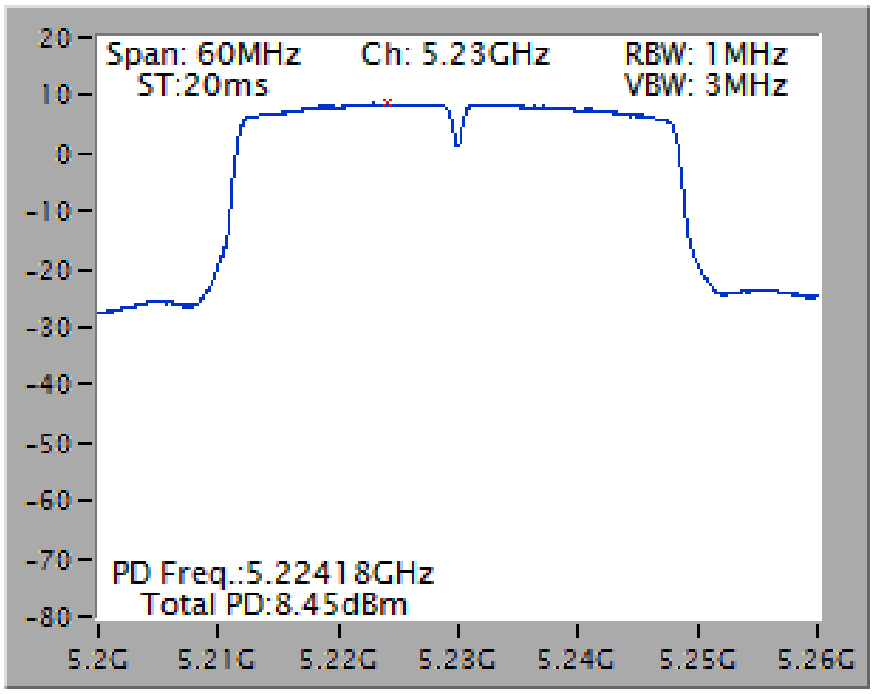
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



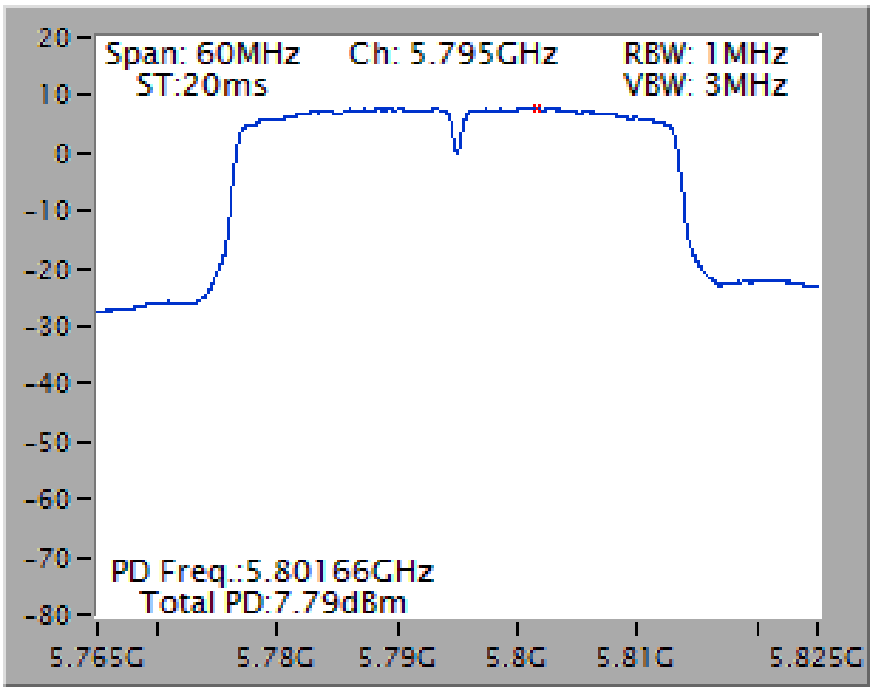
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



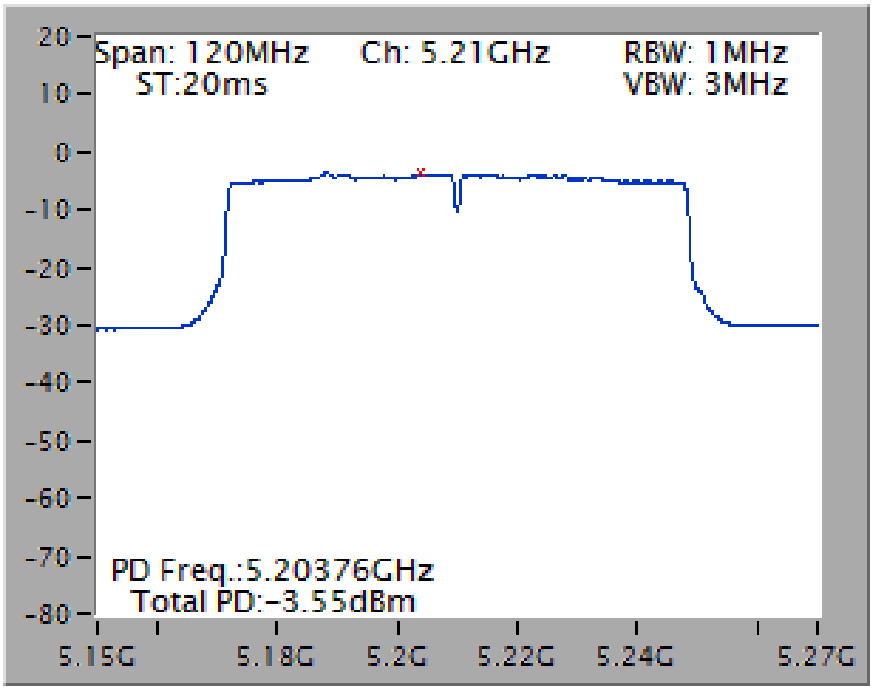
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



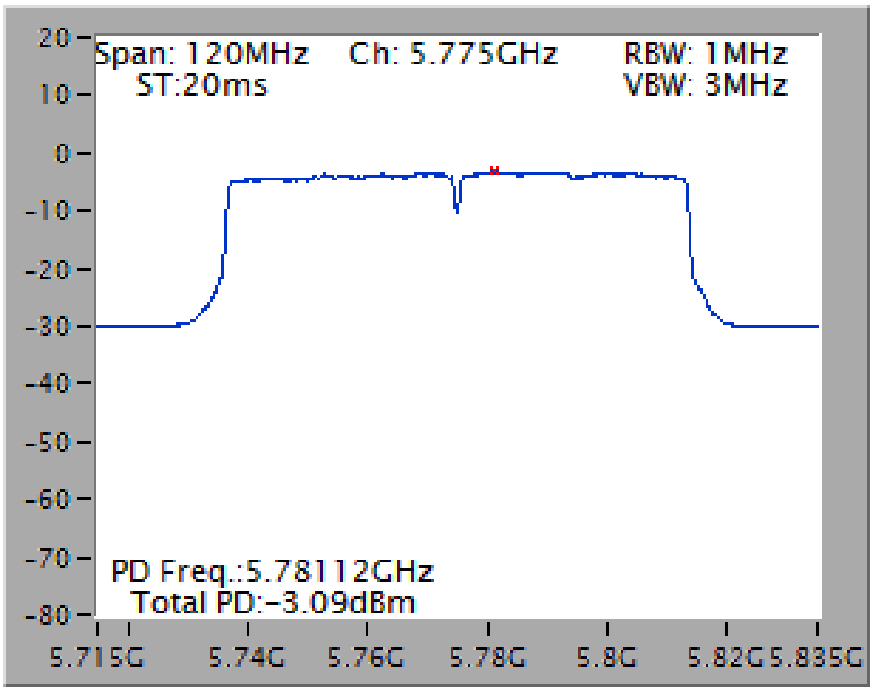
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz



4.6. Radiated Emissions Measurement

4.6.1. Limit

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

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

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

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

4.6.2. Measuring Instruments and Setting

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

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

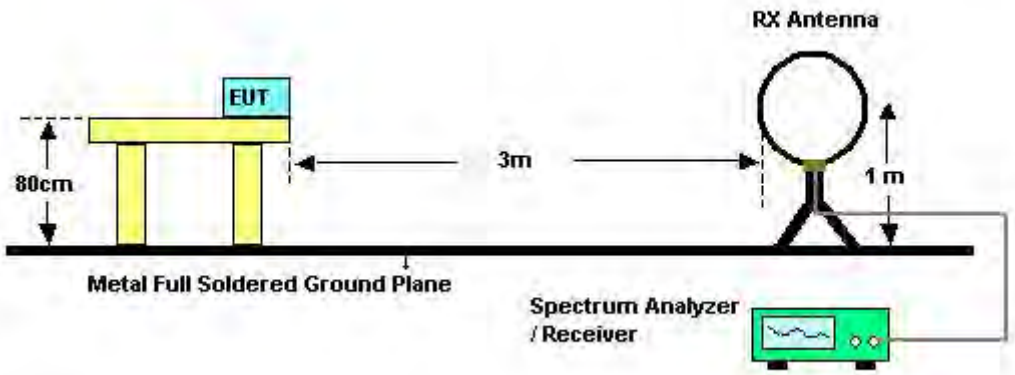
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

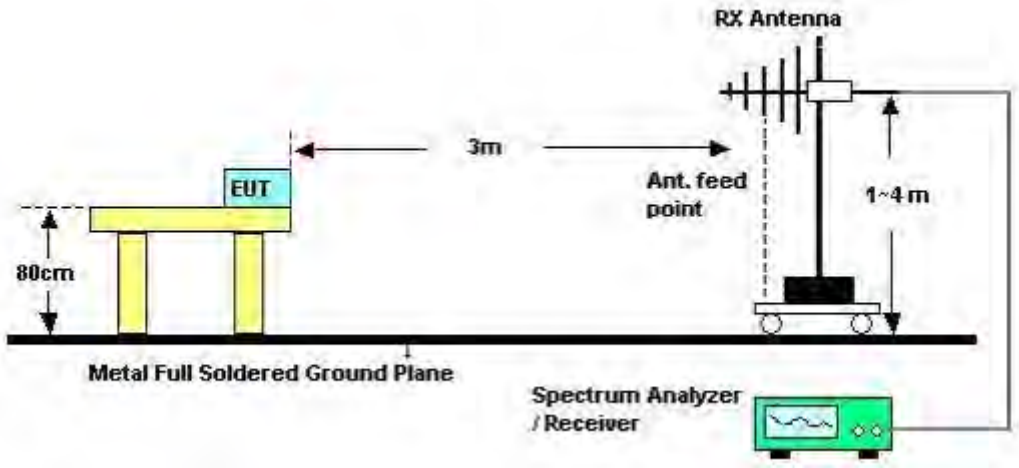
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting 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

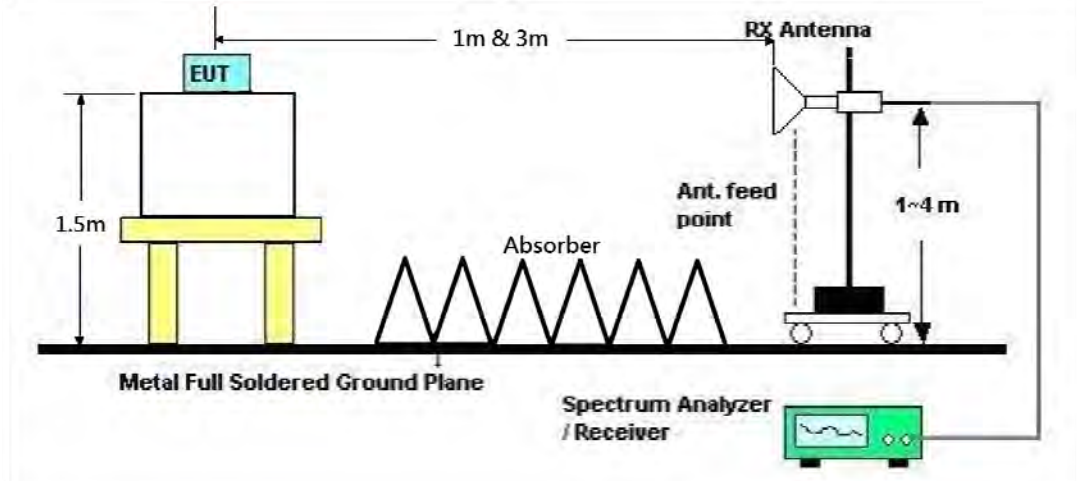
For Radiated Emissions: 9kHz ~30MHz



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

The EUT was programmed to be in continuously transmitting mode.

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	Normal Link
Test Date	Nov. 23, 2015	Test Mode	Mode 2

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

Note:

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

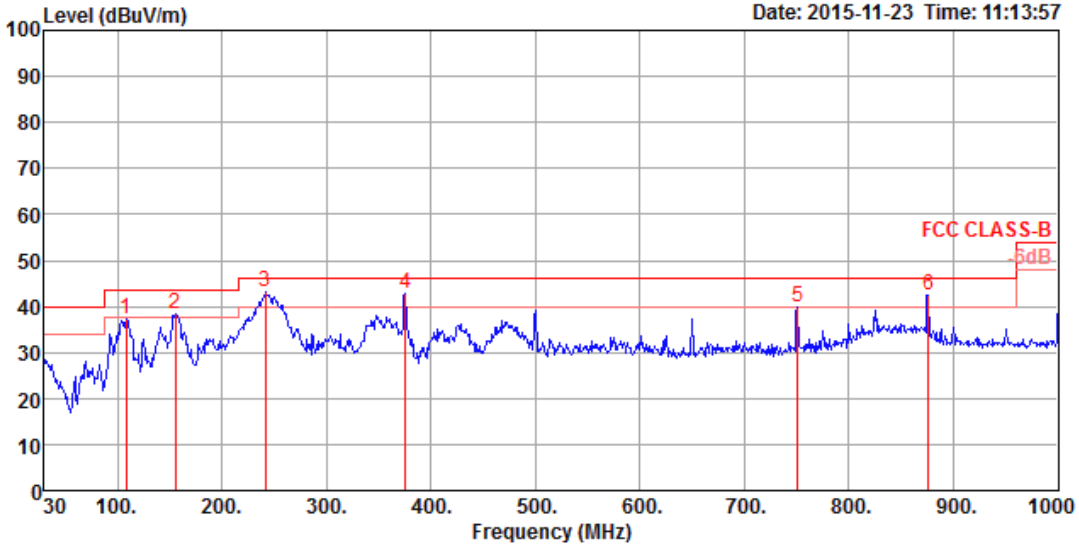
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

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

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

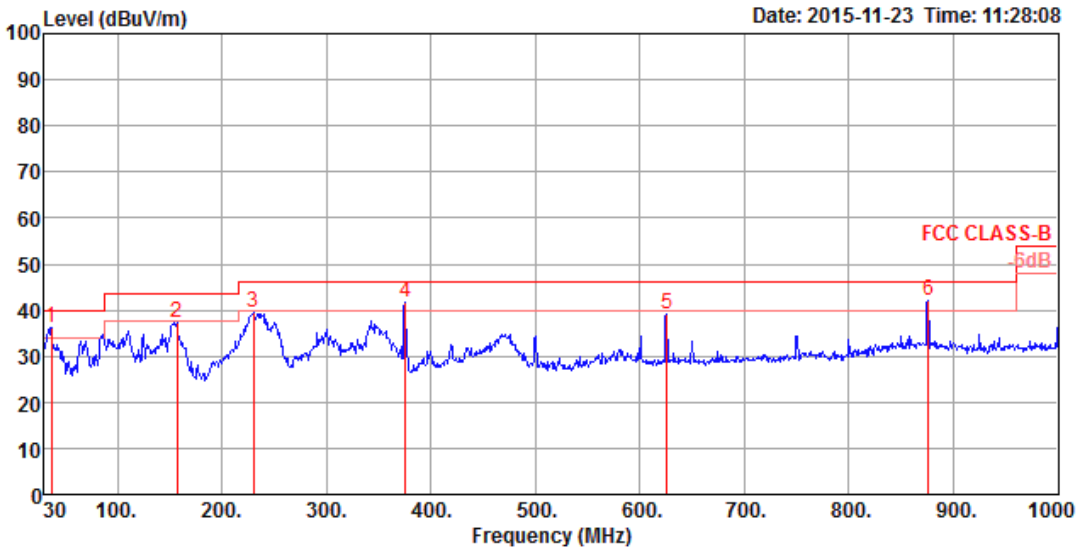
Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	Normal Link
Test Mode	Mode 2		

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	108.57	37.27	43.50	-6.23	56.41	0.90	12.34	32.38	200	186	Peak	HORIZONTAL
2	155.13	38.39	43.50	-5.11	58.65	1.07	11.02	32.35	175	113	Peak	HORIZONTAL
3	241.46	43.00	46.00	-3.00	61.57	1.32	12.42	32.31	125	154	Peak	HORIZONTAL
4	375.32	42.90	46.00	-3.10	57.51	1.67	16.04	32.32	100	84	Peak	HORIZONTAL
5	750.71	39.89	46.00	-6.11	49.42	2.37	20.40	32.30	125	217	Peak	HORIZONTAL
6	875.84	42.40	46.00	-3.60	50.26	2.55	21.45	31.86	100	140	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	36.79	36.19	40.00	-3.81	52.07	0.53	15.99	32.40	100	240	Peak	VERTICAL
2	157.07	37.42	43.50	-6.08	57.76	1.07	10.94	32.35	200	199	Peak	VERTICAL
3	229.82	39.63	46.00	-6.37	59.34	1.30	11.30	32.31	100	54	Peak	VERTICAL
4	375.32	41.65	46.00	-4.35	56.26	1.67	16.04	32.32	100	38	Peak	VERTICAL
5	625.58	38.96	46.00	-7.04	49.79	2.16	19.41	32.40	100	158	Peak	VERTICAL
6	875.84	41.95	46.00	-4.05	49.81	2.55	21.45	31.86	150	211	Peak	VERTICAL

Note:

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

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15527.10	54.55	74.00	-19.45	40.73	10.77	38.25	35.20	Peak	200	78	HORIZONTAL
2	15546.50	42.86	54.00	-11.14	29.05	10.78	38.23	35.20	Average	200	78	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15558.00	43.52	54.00	-10.48	29.72	10.78	38.23	35.21	Average	200	20	VERTICAL
2	15562.30	56.04	74.00	-17.96	42.27	10.78	38.20	35.21	Peak	200	20	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15577.20	54.63	74.00	-19.37	40.87	10.78	38.20	35.22	Peak	200	83	HORIZONTAL
2	15590.90	42.75	54.00	-11.25	29.01	10.78	38.18	35.22	Average	200	83	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15590.90	43.10	54.00	-10.90	29.36	10.78	38.18	35.22	Average	200	92	VERTICAL
2	15622.70	55.11	74.00	-18.89	41.44	10.78	38.13	35.24	Peak	200	92	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15695.40	42.21	54.00	-11.79	28.66	10.79	38.03	35.27	Average	200	152	HORIZONTAL
2	15713.40	54.59	74.00	-19.41	41.07	10.79	38.01	35.28	Peak	200	152	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15695.50	42.04	54.00	-11.96	28.49	10.79	38.03	35.27	Average	200	131	VERTICAL
2	15712.90	53.99	74.00	-20.01	40.47	10.79	38.01	35.28	Peak	200	131	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11485.14	53.50	74.00	-20.50	39.98	9.24	39.08	34.80	Peak	200	193	HORIZONTAL
2	11488.60	41.31	54.00	-12.69	27.79	9.24	39.08	34.80	Average	200	193	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11485.38	53.88	74.00	-20.12	40.36	9.24	39.08	34.80	Peak	200	259	VERTICAL
2	11490.52	41.16	54.00	-12.84	27.64	9.24	39.08	34.80	Average	200	259	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11491.02	40.22	54.00	-13.78	26.70	9.24	39.08	34.80	Average	200	102	HORIZONTAL
2	11494.10	52.52	74.00	-21.48	39.00	9.24	39.08	34.80	Peak	200	102	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.64	39.54	54.00	-14.46	26.02	9.24	39.08	34.80	Average	200	54	VERTICAL
2	11492.58	52.46	74.00	-21.54	38.94	9.24	39.08	34.80	Peak	200	54	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11651.08	40.97	54.00	-13.03	27.34	9.28	39.19	34.84	Average	200	202	HORIZONTAL
2	11654.16	52.55	74.00	-21.45	38.92	9.28	39.19	34.84	Peak	200	202	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11647.88	41.80	54.00	-12.20	28.18	9.28	39.18	34.84	Average	200	187	VERTICAL
2	11650.24	53.67	74.00	-20.33	40.05	9.28	39.18	34.84	Peak	200	187	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.02	43.78	54.00	-10.22	29.96	10.77	38.25	35.20	Average	200	106	HORIZONTAL
2	15541.10	55.66	74.00	-18.34	41.84	10.77	38.25	35.20	Peak	200	106	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.16	56.59	74.00	-17.41	42.77	10.77	38.25	35.20	Peak	200	26	VERTICAL
2	15544.28	43.57	54.00	-10.43	29.76	10.78	38.23	35.20	Average	200	26	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.44	42.51	54.00	-11.49	28.81	10.78	38.16	35.24	Average	200	64	HORIZONTAL
2	15602.18	55.15	74.00	-18.85	41.45	10.78	38.16	35.24	Peak	200	64	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.54	43.54	54.00	-10.46	29.84	10.78	38.16	35.24	Average	200	159	VERTICAL
2	15602.36	55.66	74.00	-18.34	41.96	10.78	38.16	35.24	Peak	200	159	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.92	52.41	74.00	-21.59	38.91	10.79	37.99	35.28	Peak	200	43	HORIZONTAL
2	15720.12	42.09	54.00	-11.91	28.59	10.79	37.99	35.28	Average	200	43	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.72	43.61	54.00	-10.39	30.11	10.79	37.99	35.28	Average	200	137	VERTICAL
2	15724.70	56.49	74.00	-17.51	42.99	10.79	37.99	35.28	Peak	200	137	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11486.00	41.11	54.00	-12.89	27.59	9.24	39.08	34.80	Average	200	23	HORIZONTAL
2	11492.48	52.70	74.00	-21.30	39.18	9.24	39.08	34.80	Peak	200	23	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11485.00	53.00	74.00	-21.00	39.48	9.24	39.08	34.80	Peak	200	182	VERTICAL
2	11485.78	41.85	54.00	-12.15	28.33	9.24	39.08	34.80	Average	200	182	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11572.42	53.10	74.00	-20.90	39.52	9.26	39.14	34.82	Peak	200	159	HORIZONTAL
2	11572.64	41.42	54.00	-12.58	27.84	9.26	39.14	34.82	Average	200	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.84	53.99	74.00	-20.01	40.41	9.26	39.14	34.82	Peak	200	131	VERTICAL
2	11573.24	41.94	54.00	-12.06	28.36	9.26	39.14	34.82	Average	200	131	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.48	41.41	54.00	-12.59	27.79	9.28	39.18	34.84	Average	200	146	HORIZONTAL
2	11654.62	52.91	74.00	-21.09	39.28	9.28	39.19	34.84	Peak	200	146	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11647.52	42.27	54.00	-11.73	28.65	9.28	39.18	34.84	Average	200	166	VERTICAL
2	11650.02	54.62	74.00	-19.38	41.00	9.28	39.18	34.84	Peak	200	166	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.00	43.90	54.00	-10.10	30.13	10.78	38.20	35.21	Average	200	102	HORIZONTAL
2	15570.10	55.65	74.00	-18.35	41.88	10.78	38.20	35.21	Peak	200	102	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15565.08	55.42	74.00	-18.58	41.65	10.78	38.20	35.21	Peak	200	63	VERTICAL
2	15574.26	43.98	54.00	-10.02	30.22	10.78	38.20	35.22	Average	200	63	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15693.52	43.62	54.00	-10.38	30.07	10.79	38.03	35.27	Average	200	254	HORIZONTAL
2	15698.52	55.30	74.00	-18.70	41.77	10.79	38.01	35.27	Peak	200	254	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15687.12	43.66	54.00	-10.34	30.11	10.79	38.03	35.27	Average	200	64	VERTICAL
2	15697.88	55.34	74.00	-18.66	41.81	10.79	38.01	35.27	Peak	200	64	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.68	41.17	54.00	-12.83	27.62	9.25	39.10	34.80	Average	200	177	HORIZONTAL
2	11509.72	52.55	74.00	-21.45	39.00	9.25	39.10	34.80	Peak	200	177	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.88	41.85	54.00	-12.15	28.30	9.25	39.10	34.80	Average	200	183	VERTICAL
2	11510.43	54.18	74.00	-19.82	40.63	9.25	39.10	34.80	Peak	200	183	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.84	53.53	74.00	-20.47	39.93	9.27	39.15	34.82	Peak	200	123	HORIZONTAL
2	11590.41	41.15	54.00	-12.85	27.55	9.27	39.15	34.82	Average	200	123	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11590.00	54.15	74.00	-19.85	40.55	9.27	39.15	34.82	Peak	200	162	VERTICAL
2	11590.31	42.04	54.00	-11.96	28.44	9.27	39.15	34.82	Average	200	162	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.82	55.18	74.00	-18.82	41.54	10.78	38.11	35.25	Peak	200	191	HORIZONTAL
2	15630.39	43.46	54.00	-10.54	29.82	10.78	38.11	35.25	Average	200	191	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.61	55.45	74.00	-18.55	41.81	10.78	38.11	35.25	Peak	200	177	VERTICAL
2	15630.48	43.42	54.00	-10.58	29.78	10.78	38.11	35.25	Average	200	177	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.70	54.37	74.00	-19.63	40.79	9.26	39.13	34.81	Peak	200	97	HORIZONTAL
2	11549.93	40.99	54.00	-13.01	27.41	9.26	39.13	34.81	Average	200	97	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.52	53.18	74.00	-20.82	39.60	9.26	39.13	34.81	Peak	200	182	VERTICAL
2	11549.65	41.16	54.00	-12.84	27.58	9.26	39.13	34.81	Average	200	182	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	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.41	56.81	74.00	-17.19	42.99	10.77	38.25	35.20	Peak	147	201	HORIZONTAL
2	15539.20	43.62	54.00	-10.38	29.80	10.77	38.25	35.20	Average	147	201	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.34	56.27	74.00	-17.73	42.45	10.77	38.25	35.20	Peak	155	135	VERTICAL
2	15541.53	43.51	54.00	-10.49	29.69	10.77	38.25	35.20	Average	155	135	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.73	43.60	54.00	-10.40	29.88	10.78	38.16	35.22	Average	169	249	HORIZONTAL
2	15598.08	56.61	74.00	-17.39	42.89	10.78	38.16	35.22	Peak	169	249	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.93	57.76	74.00	-16.24	44.06	10.78	38.16	35.24	Peak	160	311	VERTICAL
2	15601.17	43.43	54.00	-10.57	29.73	10.78	38.16	35.24	Average	160	311	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.44	56.75	74.00	-17.25	43.25	10.79	37.99	35.28	Peak	121	135	HORIZONTAL
2	15718.52	42.98	54.00	-11.02	29.48	10.79	37.99	35.28	Average	121	135	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.44	43.23	54.00	-10.77	29.73	10.79	37.99	35.28	Average	189	234	VERTICAL
2	15721.85	56.60	74.00	-17.40	43.10	10.79	37.99	35.28	Peak	189	234	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.07	44.93	54.00	-9.07	31.41	9.24	39.08	34.80	Average	149	305	HORIZONTAL
2	11490.72	57.88	74.00	-16.12	44.36	9.24	39.08	34.80	Peak	149	305	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.64	55.36	74.00	-18.64	41.84	9.24	39.08	34.80	Peak	133	354	VERTICAL
2	11490.29	42.63	54.00	-11.37	29.11	9.24	39.08	34.80	Average	133	354	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.72	64.08	74.00	-9.92	50.50	9.26	39.14	34.82	Peak	164	310	HORIZONTAL
2	11572.17	50.01	54.00	-3.99	36.43	9.26	39.14	34.82	Average	164	310	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11571.52	58.74	74.00	-15.26	45.16	9.26	39.14	34.82	Peak	162	318	VERTICAL
2	11572.39	45.65	54.00	-8.35	32.07	9.26	39.14	34.82	Average	162	318	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.14	43.71	54.00	-10.29	30.09	9.28	39.18	34.84	Average	152	319	HORIZONTAL
2	11652.10	55.10	74.00	-18.90	41.47	9.28	39.19	34.84	Peak	152	319	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11637.84	42.37	54.00	-11.63	28.74	9.28	39.18	34.83	Average	120	53	VERTICAL
2	11661.72	54.71	74.00	-19.29	41.08	9.28	39.19	34.84	Peak	120	53	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15543.76	43.72	54.00	-10.28	29.91	10.78	38.23	35.20	Average	171	63	HORIZONTAL
2	15544.40	56.79	74.00	-17.21	42.98	10.78	38.23	35.20	Peak	171	63	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15543.78	43.47	54.00	-10.53	29.66	10.78	38.23	35.20	Average	136	254	VERTICAL
2	15544.49	57.55	74.00	-16.45	43.74	10.78	38.23	35.20	Peak	136	254	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.17	56.81	74.00	-17.19	43.09	10.78	38.16	35.22	Peak	168	308	HORIZONTAL
2	15598.97	43.53	54.00	-10.47	29.83	10.78	38.16	35.24	Average	168	308	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.98	56.84	74.00	-17.16	43.14	10.78	38.16	35.24	Peak	182	186	VERTICAL
2	15601.30	43.59	54.00	-10.41	29.89	10.78	38.16	35.24	Average	182	186	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.10	43.20	54.00	-10.80	29.70	10.79	37.99	35.28	Average	177	139	HORIZONTAL
2	15721.23	56.11	74.00	-17.89	42.61	10.79	37.99	35.28	Peak	177	139	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.19	56.54	74.00	-17.46	43.04	10.79	37.99	35.28	Peak	153	244	VERTICAL
2	15724.47	43.16	54.00	-10.84	29.66	10.79	37.99	35.28	Average	153	244	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.41	42.75	54.00	-11.25	29.23	9.24	39.08	34.80	Average	192	13	HORIZONTAL
2	11490.51	54.58	74.00	-19.42	41.06	9.24	39.08	34.80	Peak	192	13	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.62	55.58	74.00	-18.42	42.06	9.24	39.08	34.80	Peak	158	166	VERTICAL
2	11491.91	41.93	54.00	-12.07	28.41	9.24	39.08	34.80	Average	158	166	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.00	47.19	54.00	-6.81	33.61	9.26	39.14	34.82	Average	214	292	HORIZONTAL
2	11572.34	58.22	74.00	-15.78	44.64	9.26	39.14	34.82	Peak	214	292	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11571.77	56.38	74.00	-17.62	42.80	9.26	39.14	34.82	Peak	221	45	VERTICAL
2	11573.47	43.22	54.00	-10.78	29.64	9.26	39.14	34.82	Average	221	45	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.78	55.33	74.00	-18.67	41.70	9.28	39.19	34.84	Peak	216	5	HORIZONTAL
2	11653.11	43.20	54.00	-10.80	29.57	9.28	39.19	34.84	Average	216	5	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.57	55.17	74.00	-18.83	41.55	9.28	39.18	34.84	Peak	170	270	VERTICAL
2	11651.30	42.40	54.00	-11.60	28.77	9.28	39.19	34.84	Average	170	270	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15568.25	56.80	74.00	-17.20	43.03	10.78	38.20	35.21	Peak	148	175	HORIZONTAL
2	15570.93	43.55	54.00	-10.45	29.78	10.78	38.20	35.21	Average	148	175	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15565.70	43.48	54.00	-10.52	29.71	10.78	38.20	35.21	Average	189	274	VERTICAL
2	15573.89	55.98	74.00	-18.02	42.22	10.78	38.20	35.22	Peak	189	274	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15686.40	43.14	54.00	-10.86	29.59	10.79	38.03	35.27	Average	146	136	HORIZONTAL
2	15688.03	56.30	74.00	-17.70	42.75	10.79	38.03	35.27	Peak	146	136	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15685.17	56.35	74.00	-17.65	42.80	10.79	38.03	35.27	Peak	117	198	VERTICAL
2	15687.47	43.16	54.00	-10.84	29.61	10.79	38.03	35.27	Average	117	198	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.51	41.78	54.00	-12.22	28.23	9.25	39.10	34.80	Average	165	274	HORIZONTAL
2	11513.81	54.81	74.00	-19.19	41.26	9.25	39.10	34.80	Peak	165	274	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11506.64	41.58	54.00	-12.42	28.03	9.25	39.10	34.80	Average	188	156	VERTICAL
2	11507.22	54.90	74.00	-19.10	41.35	9.25	39.10	34.80	Peak	188	156	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11590.72	42.85	54.00	-11.15	29.25	9.27	39.15	34.82	Average	144	299	HORIZONTAL
2	11592.68	55.47	74.00	-18.53	41.87	9.27	39.15	34.82	Peak	144	299	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.63	42.06	54.00	-11.94	28.46	9.27	39.15	34.82	Average	157	104	VERTICAL
2	11591.32	54.62	74.00	-19.38	41.02	9.27	39.15	34.82	Peak	157	104	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15625.00	56.45	74.00	-17.55	42.79	10.78	38.13	35.25	Peak	103	250	HORIZONTAL
2	15633.14	43.31	54.00	-10.69	29.67	10.78	38.11	35.25	Average	103	250	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.77	43.52	54.00	-10.48	29.86	10.78	38.13	35.25	Average	152	180	VERTICAL
2	15634.02	56.06	74.00	-17.94	42.42	10.78	38.11	35.25	Peak	152	180	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11548.18	41.78	54.00	-12.22	28.21	9.26	39.12	34.81	Average	173	128	HORIZONTAL
2	11549.94	54.53	74.00	-19.47	40.95	9.26	39.13	34.81	Peak	173	128	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.47	41.96	54.00	-12.04	28.38	9.26	39.13	34.81	Average	188	262	VERTICAL
2	11552.97	54.38	74.00	-19.62	40.80	9.26	39.13	34.81	Peak	188	262	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	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.97	42.37	54.00	-11.63	28.55	10.77	38.25	35.20	Average	150	257	HORIZONTAL
2	15540.45	55.85	74.00	-18.15	42.03	10.77	38.25	35.20	Peak	150	257	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.63	42.64	54.00	-11.36	28.82	10.77	38.25	35.20	Average	150	172	VERTICAL
2	15539.72	54.99	74.00	-19.01	41.17	10.77	38.25	35.20	Peak	150	172	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.63	42.11	54.00	-11.89	28.41	10.78	38.16	35.24	Average	150	227	HORIZONTAL
2	15600.21	55.32	74.00	-18.68	41.62	10.78	38.16	35.24	Peak	150	227	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.59	54.89	74.00	-19.11	41.19	10.78	38.16	35.24	Peak	150	151	VERTICAL
2	15600.22	42.81	54.00	-11.19	29.11	10.78	38.16	35.24	Average	150	151	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.52	42.26	54.00	-11.74	28.76	10.79	37.99	35.28	Average	150	226	HORIZONTAL
2	15720.12	55.20	74.00	-18.80	41.70	10.79	37.99	35.28	Peak	150	226	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.15	42.47	54.00	-11.53	28.97	10.79	37.99	35.28	Average	150	136	VERTICAL
2	15720.35	55.20	74.00	-18.80	41.70	10.79	37.99	35.28	Peak	150	136	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.88	54.87	74.00	-19.13	41.35	9.24	39.08	34.80	Peak	169	307	HORIZONTAL
2	11490.00	42.68	54.00	-11.32	29.16	9.24	39.08	34.80	Average	169	307	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.94	54.38	74.00	-19.62	40.86	9.24	39.08	34.80	Peak	167	333	VERTICAL
2	11490.02	42.24	54.00	-11.76	28.72	9.24	39.08	34.80	Average	167	333	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11576.97	57.87	74.00	-16.13	44.29	9.26	39.14	34.82	Peak	158	36	HORIZONTAL
2	11577.37	45.46	54.00	-8.54	31.88	9.26	39.14	34.82	Average	158	36	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11572.08	43.53	54.00	-10.47	29.95	9.26	39.14	34.82	Average	154	323	VERTICAL
2	11572.96	55.16	74.00	-18.84	41.58	9.26	39.14	34.82	Peak	154	323	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.08	42.82	54.00	-11.18	29.20	9.28	39.18	34.84	Average	144	69	HORIZONTAL
2	11650.37	55.06	74.00	-18.94	41.44	9.28	39.18	34.84	Peak	144	69	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.79	41.57	54.00	-12.43	27.95	9.28	39.18	34.84	Average	150	254	VERTICAL
2	11649.94	54.45	74.00	-19.55	40.83	9.28	39.18	34.84	Peak	150	254	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.55	42.23	54.00	-11.77	28.41	10.77	38.25	35.20	Average	150	141	HORIZONTAL
2	15539.75	55.36	74.00	-18.64	41.54	10.77	38.25	35.20	Peak	150	141	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.63	42.58	54.00	-11.42	28.76	10.77	38.25	35.20	Average	150	79	VERTICAL
2	15539.67	55.01	74.00	-18.99	41.19	10.77	38.25	35.20	Peak	150	79	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.64	55.20	74.00	-18.80	41.50	10.78	38.16	35.24	Peak	150	130	HORIZONTAL
2	15599.83	41.96	54.00	-12.04	28.26	10.78	38.16	35.24	Average	150	130	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.50	55.37	74.00	-18.63	41.67	10.78	38.16	35.24	Peak	150	263	VERTICAL
2	15599.56	42.41	54.00	-11.59	28.71	10.78	38.16	35.24	Average	150	263	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.63	42.68	54.00	-11.32	29.18	10.79	37.99	35.28	Average	150	125	HORIZONTAL
2	15720.43	55.29	74.00	-18.71	41.79	10.79	37.99	35.28	Peak	150	125	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.66	42.42	54.00	-11.58	28.92	10.79	37.99	35.28	Average	150	289	VERTICAL
2	15719.69	55.61	74.00	-18.39	42.11	10.79	37.99	35.28	Peak	150	289	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.62	41.17	54.00	-12.83	27.65	9.24	39.08	34.80	Average	150	185	HORIZONTAL
2	11489.67	54.28	74.00	-19.72	40.76	9.24	39.08	34.80	Peak	150	185	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.69	54.24	74.00	-19.76	40.72	9.24	39.08	34.80	Peak	150	258	VERTICAL
2	11490.01	41.55	54.00	-12.45	28.03	9.24	39.08	34.80	Average	150	258	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11574.33	55.00	74.00	-19.00	41.42	9.26	39.14	34.82	Peak	158	47	HORIZONTAL
2	11577.21	44.46	54.00	-9.54	30.88	9.26	39.14	34.82	Average	158	47	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11572.32	56.12	74.00	-17.88	42.54	9.26	39.14	34.82	Peak	152	322	VERTICAL
2	11572.96	43.07	54.00	-10.93	29.49	9.26	39.14	34.82	Average	152	322	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.67	41.39	54.00	-12.61	27.77	9.28	39.18	34.84	Average	150	128	HORIZONTAL
2	11649.81	54.78	74.00	-19.22	41.16	9.28	39.18	34.84	Peak	150	128	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.99	54.21	74.00	-19.79	40.59	9.28	39.18	34.84	Peak	150	268	VERTICAL
2	11650.07	41.61	54.00	-12.39	27.99	9.28	39.18	34.84	Average	150	268	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.72	55.32	74.00	-18.68	41.55	10.78	38.20	35.21	Peak	150	223	HORIZONTAL
2	15570.01	42.14	54.00	-11.86	28.37	10.78	38.20	35.21	Average	150	223	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.67	56.79	74.00	-17.21	43.02	10.78	38.20	35.21	Peak	150	106	VERTICAL
2	15570.43	42.39	54.00	-11.61	28.62	10.78	38.20	35.21	Average	150	106	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.75	42.16	54.00	-11.84	28.61	10.79	38.03	35.27	Average	150	167	HORIZONTAL
2	15689.84	55.78	74.00	-18.22	42.23	10.79	38.03	35.27	Peak	150	167	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.64	55.08	74.00	-18.92	41.53	10.79	38.03	35.27	Peak	150	304	VERTICAL
2	15689.66	42.22	54.00	-11.78	28.67	10.79	38.03	35.27	Average	150	304	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.98	41.08	54.00	-12.92	27.53	9.25	39.10	34.80	Average	150	264	HORIZONTAL
2	11510.44	54.18	74.00	-19.82	40.63	9.25	39.10	34.80	Peak	150	264	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.50	41.40	54.00	-12.60	27.85	9.25	39.10	34.80	Average	150	192	VERTICAL
2	11510.02	54.15	74.00	-19.85	40.60	9.25	39.10	34.80	Peak	150	192	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.52	55.09	74.00	-18.91	41.49	9.27	39.15	34.82	Peak	150	84	HORIZONTAL
2	11590.33	41.22	54.00	-12.78	27.62	9.27	39.15	34.82	Average	150	84	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.63	41.16	54.00	-12.84	27.56	9.27	39.15	34.82	Average	150	151	VERTICAL
2	11590.01	54.13	74.00	-19.87	40.53	9.27	39.15	34.82	Peak	150	151	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.52	41.58	54.00	-12.42	27.94	10.78	38.11	35.25	Average	150	251	HORIZONTAL
2	15629.53	54.98	74.00	-19.02	41.34	10.78	38.11	35.25	Peak	150	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.56	54.75	74.00	-19.25	41.11	10.78	38.11	35.25	Peak	150	143	VERTICAL
2	15629.59	41.89	54.00	-12.11	28.25	10.78	38.11	35.25	Average	150	143	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.86	40.96	54.00	-13.04	27.38	9.26	39.13	34.81	Average	150	103	HORIZONTAL
2	11549.88	54.56	74.00	-19.44	40.98	9.26	39.13	34.81	Peak	150	103	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.61	53.75	74.00	-20.25	40.17	9.26	39.13	34.81	Peak	150	211	VERTICAL
2	11550.44	41.08	54.00	-12.92	27.50	9.26	39.13	34.81	Average	150	211	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	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	15537.47	56.20	74.00	-17.80	42.90	9.76	38.16	34.62	298	165	Peak	HORIZONTAL
2	15545.64	42.97	54.00	-11.03	29.63	9.77	38.19	34.62	298	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	15532.24	43.06	54.00	-10.94	29.76	9.76	38.16	34.62	345	165	Average	VERTICAL
2	15537.12	55.82	74.00	-18.18	42.52	9.76	38.16	34.62	345	165	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	15600.19	42.81	54.00	-11.19	29.40	9.81	38.29	34.69	249	165	Average	HORIZONTAL
2	15607.18	56.15	74.00	-17.85	42.74	9.81	38.29	34.69	249	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	15590.22	42.95	54.00	-11.05	29.56	9.80	38.26	34.67	266	165	Average	VERTICAL
2	15599.29	55.83	74.00	-18.17	42.42	9.81	38.29	34.69	266	165	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	15710.00	43.48	54.00	-10.52	29.92	9.87	38.47	34.78	218	165	Average	HORIZONTAL
2	15723.53	56.70	74.00	-17.30	43.10	9.88	38.50	34.78	218	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	15713.91	43.69	54.00	-10.31	30.09	9.88	38.50	34.78	178	165	Average	VERTICAL
2	15718.27	56.30	74.00	-17.70	42.70	9.88	38.50	34.78	178	165	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	11490.32	47.32	54.00	-6.68	35.90	7.34	38.70	34.62	62	130	Average	HORIZONTAL
2	11490.64	60.51	74.00	-13.49	49.09	7.34	38.70	34.62	62	130	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	11490.58	60.75	74.00	-13.25	49.33	7.34	38.70	34.62	326	171	Peak	VERTICAL
2	11491.67	47.37	54.00	-6.63	35.95	7.34	38.70	34.62	326	171	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	11571.47	61.82	74.00	-12.18	50.35	7.41	38.71	34.65	132	161	Peak	HORIZONTAL
2	11572.12	48.72	54.00	-5.28	37.25	7.41	38.71	34.65	132	161	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	11570.45	59.18	74.00	-14.82	47.71	7.41	38.71	34.65	31	183	Peak	VERTICAL
2	11572.05	47.23	54.00	-6.77	35.76	7.41	38.71	34.65	31	183	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	11647.76	44.92	54.00	-9.08	33.37	7.50	38.73	34.68	312	152	Average	HORIZONTAL
2	11648.27	56.78	74.00	-17.22	45.23	7.50	38.73	34.68	312	152	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	11655.96	58.78	74.00	-15.22	47.21	7.52	38.73	34.68	1	168	Peak	VERTICAL
2	11656.09	46.45	54.00	-7.55	34.88	7.52	38.73	34.68	1	168	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	15532.37	42.86	54.00	-11.14	29.56	9.76	38.16	34.62	300	150	Average	HORIZONTAL
2	15545.64	55.69	74.00	-18.31	42.35	9.77	38.19	34.62	300	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	15535.83	42.82	54.00	-11.18	29.52	9.76	38.16	34.62	331	150	Average	VERTICAL
2	15537.69	56.07	74.00	-17.93	42.77	9.76	38.16	34.62	331	150	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	15595.58	42.74	54.00	-11.26	29.31	9.81	38.29	34.67	94	172	Average	HORIZONTAL
2	15599.04	55.46	74.00	-18.54	42.05	9.81	38.29	34.69	94	172	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	15588.27	56.20	74.00	-17.80	42.81	9.80	38.26	34.67	48	172	Peak	VERTICAL
2	15590.38	42.85	54.00	-11.15	29.46	9.80	38.26	34.67	48	172	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	15704.62	56.86	74.00	-17.14	43.30	9.87	38.47	34.78	104	176	Peak	HORIZONTAL
2	15709.04	43.15	54.00	-10.85	29.59	9.87	38.47	34.78	104	176	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	15709.42	43.48	54.00	-10.52	29.92	9.87	38.47	34.78	54	176	Average	VERTICAL
2	15727.63	56.13	74.00	-17.87	42.55	9.88	38.50	34.80	54	176	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	11489.92	45.38	54.00	-8.62	33.96	7.34	38.70	34.62	62	154	Average	HORIZONTAL
2	11490.16	58.17	74.00	-15.83	46.75	7.34	38.70	34.62	62	154	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	11495.21	57.93	74.00	-16.07	46.51	7.34	38.70	34.62	335	148	Peak	VERTICAL
2	11495.61	45.01	54.00	-8.99	33.59	7.34	38.70	34.62	335	148	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	11572.96	60.60	74.00	-13.40	49.13	7.41	38.71	34.65	133	162	Peak	HORIZONTAL
2	11573.13	47.82	54.00	-6.18	36.35	7.41	38.71	34.65	133	162	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	11575.53	59.61	74.00	-14.39	48.14	7.41	38.71	34.65	4	160	Peak	VERTICAL
2	11576.01	47.23	54.00	-6.77	35.76	7.41	38.71	34.65	4	160	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	11652.80	56.08	74.00	-17.92	44.51	7.52	38.73	34.68	39	157	Peak	HORIZONTAL
2	11653.61	44.26	54.00	-9.74	32.69	7.52	38.73	34.68	39	157	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	11644.95	58.33	74.00	-15.67	46.77	7.50	38.73	34.67	8	158	Peak	VERTICAL
2	11646.15	45.11	54.00	-8.89	33.55	7.50	38.73	34.67	8	158	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	15569.04	42.57	54.00	-11.43	29.21	9.78	38.22	34.64	79	164	Average	HORIZONTAL
2	15577.37	55.27	74.00	-18.73	41.94	9.78	38.22	34.67	79	164	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	15545.88	42.49	54.00	-11.51	29.15	9.77	38.19	34.62	177	178	Average	VERTICAL
2	15577.05	55.85	74.00	-18.15	42.52	9.78	38.22	34.67	177	178	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	15670.53	55.52	74.00	-18.48	41.99	9.85	38.41	34.73	218	178	Peak	HORIZONTAL
2	15704.34	43.17	54.00	-10.83	29.61	9.87	38.47	34.78	218	178	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	15668.45	55.98	74.00	-18.02	42.45	9.85	38.41	34.73	165	178	Peak	VERTICAL
2	15674.46	43.09	54.00	-10.91	29.56	9.85	38.41	34.73	165	178	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	11499.34	41.38	54.00	-12.62	29.97	7.33	38.70	34.62	72	150	Average	HORIZONTAL
2	11510.16	52.85	74.00	-21.15	41.44	7.33	38.70	34.62	72	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	11491.33	52.88	74.00	-21.12	41.46	7.34	38.70	34.62	130	150	Peak	VERTICAL
2	11510.08	40.78	54.00	-13.22	29.37	7.33	38.70	34.62	130	150	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	11578.38	43.92	54.00	-10.08	32.45	7.41	38.71	34.65	135	150	Average	HORIZONTAL
2	11612.68	52.88	74.00	-21.12	41.37	7.45	38.72	34.66	135	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	11585.83	40.05	54.00	-13.95	28.55	7.43	38.72	34.65	193	150	Average	VERTICAL
2	11591.20	53.06	74.00	-20.94	41.56	7.43	38.72	34.65	193	150	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	15628.80	56.60	74.00	-17.40	43.13	9.83	38.35	34.71	216	150	Peak	HORIZONTAL
2	15650.43	42.66	54.00	-11.34	29.17	9.84	38.38	34.73	216	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	15620.95	55.68	74.00	-18.32	42.23	9.82	38.32	34.69	262	150	Peak	VERTICAL
2	15649.63	42.84	54.00	-11.16	29.33	9.84	38.38	34.71	262	150	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

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	11557.13	39.92	54.00	-14.08	28.46	7.39	38.71	34.64	103	158	Average	HORIZONTAL
2	11574.44	52.86	74.00	-21.14	41.39	7.41	38.71	34.65	103	158	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	11529.65	52.62	74.00	-21.38	41.20	7.35	38.70	34.63	90	158	Peak	VERTICAL
2	11572.28	39.92	54.00	-14.08	28.45	7.41	38.71	34.65	90	158	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	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.65	58.35	74.00	-15.65	44.53	10.77	38.25	35.20	Peak	160	333	HORIZONTAL
2	15540.18	44.97	54.00	-9.03	31.15	10.77	38.25	35.20	Average	160	333	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.38	45.07	54.00	-8.93	31.25	10.77	38.25	35.20	Average	154	230	VERTICAL
2	15539.77	58.29	74.00	-15.71	44.47	10.77	38.25	35.20	Peak	154	230	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.28	46.10	54.00	-7.90	32.40	10.78	38.16	35.24	Average	133	312	HORIZONTAL
2	15600.18	57.72	74.00	-16.28	44.02	10.78	38.16	35.24	Peak	133	312	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.66	58.10	74.00	-15.90	44.40	10.78	38.16	35.24	Peak	153	136	VERTICAL
2	15600.92	45.02	54.00	-8.98	31.32	10.78	38.16	35.24	Average	153	136	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.45	57.41	74.00	-16.59	43.91	10.79	37.99	35.28	Peak	163	122	HORIZONTAL
2	15720.52	44.21	54.00	-9.79	30.71	10.79	37.99	35.28	Average	163	122	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.37	57.59	74.00	-16.41	44.09	10.79	37.99	35.28	Peak	166	87	VERTICAL
2	15720.53	44.60	54.00	-9.40	31.10	10.79	37.99	35.28	Average	166	87	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.08	55.16	74.00	-18.84	41.64	9.24	39.08	34.80	Peak	151	292	HORIZONTAL
2	11490.78	42.16	54.00	-11.84	28.64	9.24	39.08	34.80	Average	151	292	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.23	55.50	74.00	-18.50	41.98	9.24	39.08	34.80	Peak	143	260	VERTICAL
2	11490.86	42.06	54.00	-11.94	28.54	9.24	39.08	34.80	Average	143	260	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.34	55.62	74.00	-18.38	42.03	9.26	39.14	34.81	Peak	140	193	HORIZONTAL
2	11569.53	46.18	54.00	-7.82	32.59	9.26	39.14	34.81	Average	140	193	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.12	45.64	54.00	-8.36	32.06	9.26	39.14	34.82	Average	136	327	VERTICAL
2	11570.26	57.04	74.00	-16.96	43.46	9.26	39.14	34.82	Peak	136	327	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.01	55.30	74.00	-18.70	41.68	9.28	39.18	34.84	Peak	144	282	HORIZONTAL
2	11650.44	42.77	54.00	-11.23	29.15	9.28	39.18	34.84	Average	144	282	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.34	56.50	74.00	-17.50	42.88	9.28	39.18	34.84	Peak	142	261	VERTICAL
2	11650.07	42.84	54.00	-11.16	29.22	9.28	39.18	34.84	Average	142	261	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.69	44.79	54.00	-9.21	30.97	10.77	38.25	35.20	Average	143	227	HORIZONTAL
2	15540.09	58.07	74.00	-15.93	44.25	10.77	38.25	35.20	Peak	143	227	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.20	57.70	74.00	-16.30	43.88	10.77	38.25	35.20	Peak	136	246	VERTICAL
2	15539.73	44.84	54.00	-9.16	31.02	10.77	38.25	35.20	Average	136	246	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.53	58.19	74.00	-15.81	44.49	10.78	38.16	35.24	Peak	169	329	HORIZONTAL
2	15600.85	44.44	54.00	-9.56	30.74	10.78	38.16	35.24	Average	169	329	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.11	57.95	74.00	-16.05	44.25	10.78	38.16	35.24	Peak	137	238	VERTICAL
2	15600.90	44.90	54.00	-9.10	31.20	10.78	38.16	35.24	Average	137	238	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.14	57.23	74.00	-16.77	43.73	10.79	37.99	35.28	Peak	145	231	HORIZONTAL
2	15719.52	44.53	54.00	-9.47	31.03	10.79	37.99	35.28	Average	145	231	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.62	44.44	54.00	-9.56	30.94	10.79	37.99	35.28	Average	149	177	VERTICAL
2	15720.94	57.72	74.00	-16.28	44.22	10.79	37.99	35.28	Peak	149	177	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.12	42.34	54.00	-11.66	28.82	9.24	39.08	34.80	Average	147	95	HORIZONTAL
2	11490.61	55.08	74.00	-18.92	41.56	9.24	39.08	34.80	Peak	147	95	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.85	42.18	54.00	-11.82	28.66	9.24	39.08	34.80	Average	146	77	VERTICAL
2	11490.11	55.17	74.00	-18.83	41.65	9.24	39.08	34.80	Peak	146	77	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.21	55.82	74.00	-18.18	42.24	9.26	39.14	34.82	Peak	158	173	HORIZONTAL
2	11571.00	44.03	54.00	-9.97	30.45	9.26	39.14	34.82	Average	158	173	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.21	43.46	54.00	-10.54	29.87	9.26	39.14	34.81	Average	154	136	VERTICAL
2	11569.65	57.30	74.00	-16.70	43.71	9.26	39.14	34.81	Peak	154	136	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.24	55.58	74.00	-18.42	41.96	9.28	39.18	34.84	Peak	153	232	HORIZONTAL
2	11649.53	43.56	54.00	-10.44	29.94	9.28	39.18	34.84	Average	153	232	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.20	42.49	54.00	-11.51	28.87	9.28	39.18	34.84	Average	148	262	VERTICAL
2	11650.04	55.48	74.00	-18.52	41.86	9.28	39.18	34.84	Peak	148	262	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.13	44.81	54.00	-9.19	31.04	10.78	38.20	35.21	Average	151	123	HORIZONTAL
2	15569.33	57.93	74.00	-16.07	44.16	10.78	38.20	35.21	Peak	151	123	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.81	44.74	54.00	-9.26	30.97	10.78	38.20	35.21	Average	148	171	VERTICAL
2	15570.25	57.48	74.00	-16.52	43.71	10.78	38.20	35.21	Peak	148	171	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.36	57.21	74.00	-16.79	43.66	10.79	38.03	35.27	Peak	145	206	HORIZONTAL
2	15690.73	44.67	54.00	-9.33	31.12	10.79	38.03	35.27	Average	145	206	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.47	44.37	54.00	-9.63	30.82	10.79	38.03	35.27	Average	137	250	VERTICAL
2	15690.44	57.31	74.00	-16.69	43.76	10.79	38.03	35.27	Peak	137	250	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.07	54.69	74.00	-19.31	41.14	9.25	39.10	34.80	Peak	155	134	HORIZONTAL
2	11510.23	42.05	54.00	-11.95	28.50	9.25	39.10	34.80	Average	155	134	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.40	55.31	74.00	-18.69	41.76	9.25	39.10	34.80	Peak	167	155	VERTICAL
2	11510.88	42.14	54.00	-11.86	28.59	9.25	39.10	34.80	Average	167	155	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.01	42.92	54.00	-11.08	29.32	9.27	39.15	34.82	Average	148	108	HORIZONTAL
2	11590.79	54.98	74.00	-19.02	41.38	9.27	39.15	34.82	Peak	148	108	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.43	55.67	74.00	-18.33	42.07	9.27	39.15	34.82	Peak	152	138	VERTICAL
2	11589.67	43.07	54.00	-10.93	29.47	9.27	39.15	34.82	Average	152	138	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.14	44.63	54.00	-9.37	30.99	10.78	38.11	35.25	Average	130	196	HORIZONTAL
2	15630.28	57.79	74.00	-16.21	44.15	10.78	38.11	35.25	Peak	130	196	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.22	57.59	74.00	-16.41	43.95	10.78	38.11	35.25	Peak	123	316	VERTICAL
2	15630.06	44.75	54.00	-9.25	31.11	10.78	38.11	35.25	Average	123	316	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.02	42.43	54.00	-11.57	28.85	9.26	39.13	34.81	Average	156	179	HORIZONTAL
2	11550.66	55.60	74.00	-18.40	42.02	9.26	39.13	34.81	Peak	156	179	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.31	42.32	54.00	-11.68	28.74	9.26	39.13	34.81	Average	150	193	VERTICAL
2	11549.81	55.57	74.00	-18.43	41.99	9.26	39.13	34.81	Peak	150	193	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	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	15539.90	59.06	74.00	-14.94	45.76	9.76	38.16	34.62	306	243	Peak	HORIZONTAL
2	15540.10	46.16	54.00	-7.84	32.86	9.76	38.16	34.62	306	243	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	15541.30	58.99	74.00	-15.01	45.69	9.76	38.16	34.62	208	217	Peak	VERTICAL
2	15541.90	45.96	54.00	-8.04	32.66	9.76	38.16	34.62	208	217	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	15597.34	45.96	54.00	-8.04	32.53	9.81	38.29	34.67	244	171	Average	HORIZONTAL
2	15603.26	56.18	74.00	-17.82	42.77	9.81	38.29	34.69	244	171	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	15598.00	46.37	54.00	-7.63	32.94	9.81	38.29	34.67	328	188	Average	VERTICAL
2	15603.30	59.05	74.00	-14.95	45.64	9.81	38.29	34.69	328	188	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	15715.24	57.91	74.00	-16.09	44.31	9.88	38.50	34.78	34	174	Peak	HORIZONTAL
2	15716.40	45.53	54.00	-8.47	31.93	9.88	38.50	34.78	34	174	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	15715.92	58.89	74.00	-15.11	45.29	9.88	38.50	34.78	148	146	Peak	VERTICAL
2	15719.20	45.30	54.00	-8.70	31.70	9.88	38.50	34.78	148	146	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	11491.10	53.32	74.00	-20.68	41.90	7.34	38.70	34.62	10	216	Peak	HORIZONTAL
2	11491.90	41.98	54.00	-12.02	30.56	7.34	38.70	34.62	10	216	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	11491.90	41.94	54.00	-12.06	30.52	7.34	38.70	34.62	342	182	Average	VERTICAL
2	11492.20	53.01	74.00	-20.99	41.59	7.34	38.70	34.62	342	182	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	11570.10	47.75	54.00	-6.25	36.28	7.41	38.71	34.65	13	225	Average	HORIZONTAL
2	11572.00	58.48	74.00	-15.52	47.01	7.41	38.71	34.65	13	225	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	11573.10	45.86	54.00	-8.14	34.39	7.41	38.71	34.65	338	225	Average	VERTICAL
2	11575.10	58.19	74.00	-15.81	46.72	7.41	38.71	34.65	338	225	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	11652.60	45.27	54.00	-8.73	33.70	7.52	38.73	34.68	165	225	Average	HORIZONTAL
2	11654.00	54.26	74.00	-19.74	42.69	7.52	38.73	34.68	165	225	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	11627.90	53.54	74.00	-20.46	42.02	7.47	38.72	34.67	248	113	Peak	VERTICAL
2	11653.90	44.09	54.00	-9.91	32.52	7.52	38.73	34.68	248	113	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	15535.56	45.66	54.00	-8.34	32.36	9.76	38.16	34.62	240	185	Average	HORIZONTAL
2	15542.28	57.54	74.00	-16.46	44.24	9.76	38.16	34.62	240	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	15541.04	45.44	54.00	-8.56	32.14	9.76	38.16	34.62	192	148	Average	VERTICAL
2	15544.68	58.32	74.00	-15.68	44.98	9.77	38.19	34.62	192	148	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	15602.50	58.65	74.00	-15.35	45.24	9.81	38.29	34.69	321	161	Peak	HORIZONTAL
2	15603.14	45.88	54.00	-8.12	32.47	9.81	38.29	34.69	321	161	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	15599.52	46.19	54.00	-7.81	32.78	9.81	38.29	34.69	248	176	Average	VERTICAL
2	15600.94	58.77	74.00	-15.23	45.36	9.81	38.29	34.69	248	176	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	15715.54	45.28	54.00	-8.72	31.68	9.88	38.50	34.78	248	136	Average	HORIZONTAL
2	15717.40	57.60	74.00	-16.40	44.00	9.88	38.50	34.78	248	136	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	15715.20	45.12	54.00	-8.88	31.52	9.88	38.50	34.78	210	128	Average	VERTICAL
2	15719.16	58.00	74.00	-16.00	44.40	9.88	38.50	34.78	210	128	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	11481.52	40.08	54.00	-13.92	28.66	7.34	38.70	34.62	358	183	Average	HORIZONTAL
2	11489.52	51.78	74.00	-22.22	40.36	7.34	38.70	34.62	358	183	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	11486.48	52.68	74.00	-21.32	41.26	7.34	38.70	34.62	15	163	Peak	VERTICAL
2	11488.96	41.14	54.00	-12.86	29.72	7.34	38.70	34.62	15	163	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	11575.64	57.17	74.00	-16.83	45.70	7.41	38.71	34.65	0	173	Peak	HORIZONTAL
2	11576.48	44.15	54.00	-9.85	32.68	7.41	38.71	34.65	0	173	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	11575.24	44.63	54.00	-9.37	33.16	7.41	38.71	34.65	336	238	Average	VERTICAL
2	11575.32	56.31	74.00	-17.69	44.84	7.41	38.71	34.65	336	238	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	11651.88	41.04	54.00	-12.96	29.47	7.52	38.73	34.68	159	157	Average	HORIZONTAL
2	11657.84	53.25	74.00	-20.75	41.68	7.52	38.73	34.68	159	157	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	11645.20	53.62	74.00	-20.38	42.06	7.50	38.73	34.67	56	180	Peak	VERTICAL
2	11656.08	41.63	54.00	-12.37	30.06	7.52	38.73	34.68	56	180	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	15575.72	58.37	74.00	-15.63	45.04	9.78	38.22	34.67	108	154	Peak	HORIZONTAL
2	15578.88	45.84	54.00	-8.16	32.45	9.80	38.26	34.67	108	154	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	15569.36	45.75	54.00	-8.25	32.39	9.78	38.22	34.64	186	214	Average	VERTICAL
2	15570.80	58.40	74.00	-15.60	45.04	9.78	38.22	34.64	186	214	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	15683.44	45.64	54.00	-8.36	32.09	9.86	38.44	34.75	175	152	Average	HORIZONTAL
2	15689.20	58.24	74.00	-15.76	44.69	9.86	38.44	34.75	175	152	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	15682.00	45.80	54.00	-8.20	32.25	9.86	38.44	34.75	128	164	Average	VERTICAL
2	15696.36	57.97	74.00	-16.03	44.42	9.86	38.44	34.75	128	164	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	11514.20	53.33	74.00	-20.67	41.92	7.33	38.70	34.62	142	163	Peak	HORIZONTAL
2	11519.76	40.88	54.00	-13.12	29.46	7.35	38.70	34.63	142	163	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	11506.64	53.67	74.00	-20.33	42.26	7.33	38.70	34.62	86	140	Peak	VERTICAL
2	11518.36	40.58	54.00	-13.42	29.15	7.35	38.70	34.62	86	140	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	11592.52	53.64	74.00	-20.36	42.14	7.43	38.72	34.65	254	180	Peak	HORIZONTAL
2	11595.56	41.37	54.00	-12.63	29.88	7.43	38.72	34.66	254	180	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	11590.08	53.44	74.00	-20.56	41.94	7.43	38.72	34.65	160	153	Peak	VERTICAL
2	11598.04	41.54	54.00	-12.46	30.05	7.43	38.72	34.66	160	153	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15634.62	57.48	74.00	-16.52	43.84	10.78	38.11	35.25	Peak	169	147	HORIZONTAL
2	15634.76	46.38	54.00	-7.62	32.74	10.78	38.11	35.25	Average	169	147	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15625.00	46.80	54.00	-7.20	33.14	10.78	38.13	35.25	Average	157	264	VERTICAL
2	15633.35	59.42	74.00	-14.58	45.78	10.78	38.11	35.25	Peak	157	264	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

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	11545.00	49.41	74.00	-24.59	37.97	7.37	38.71	34.64	222	125	Peak	HORIZONTAL
2	11545.00	39.89	54.00	-14.11	28.45	7.37	38.71	34.64	222	125	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	11545.00	48.89	74.00	-25.11	37.45	7.37	38.71	34.64	309	149	Peak	VERTICAL
2	11545.00	40.03	54.00	-13.97	28.59	7.37	38.71	34.64	309	149	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	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15542.36	56.85	74.00	-17.15	43.03	10.77	38.25	35.20	Peak	161	170	HORIZONTAL
2	15542.39	44.20	54.00	-9.80	30.38	10.77	38.25	35.20	Average	161	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.52	44.07	54.00	-9.93	30.25	10.77	38.25	35.20	Average	154	268	VERTICAL
2	15542.21	56.86	74.00	-17.14	43.04	10.77	38.25	35.20	Peak	154	268	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.86	44.33	54.00	-9.67	30.61	10.78	38.16	35.22	Average	158	113	HORIZONTAL
2	15601.53	57.51	74.00	-16.49	43.81	10.78	38.16	35.24	Peak	158	113	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15602.55	57.73	74.00	-16.27	44.03	10.78	38.16	35.24	Peak	185	182	VERTICAL
2	15603.14	44.19	54.00	-9.81	30.49	10.78	38.16	35.24	Average	185	182	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.21	56.59	74.00	-17.41	43.09	10.79	37.99	35.28	Peak	179	144	HORIZONTAL
2	15718.47	44.09	54.00	-9.91	30.59	10.79	37.99	35.28	Average	179	144	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.45	43.99	54.00	-10.01	30.49	10.79	37.99	35.28	Average	166	89	VERTICAL
2	15723.81	56.69	74.00	-17.31	43.19	10.79	37.99	35.28	Peak	166	89	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.82	54.80	74.00	-19.20	41.28	9.24	39.08	34.80	Peak	197	194	HORIZONTAL
2	11490.36	42.53	54.00	-11.47	29.01	9.24	39.08	34.80	Average	197	194	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11492.03	45.75	54.00	-8.25	32.23	9.24	39.08	34.80	Average	234	123	VERTICAL
2	11492.89	59.08	74.00	-14.92	45.56	9.24	39.08	34.80	Peak	234	123	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11559.36	55.75	74.00	-18.25	42.17	9.26	39.13	34.81	Peak	206	138	HORIZONTAL
2	11571.16	45.61	54.00	-8.39	32.03	9.26	39.14	34.82	Average	206	138	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11571.59	60.86	74.00	-13.14	47.28	9.26	39.14	34.82	Peak	211	262	VERTICAL
2	11572.17	48.42	54.00	-5.58	34.84	9.26	39.14	34.82	Average	211	262	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11641.10	42.94	54.00	-11.06	29.31	9.28	39.18	34.83	Average	205	135	HORIZONTAL
2	11653.69	55.38	74.00	-18.62	41.75	9.28	39.19	34.84	Peak	205	135	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.66	56.79	74.00	-17.21	43.16	9.28	39.18	34.83	Peak	236	10	VERTICAL
2	11652.53	44.50	54.00	-9.50	30.87	9.28	39.19	34.84	Average	236	10	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.96	56.80	74.00	-17.20	42.98	10.77	38.25	35.20	Peak	152	140	HORIZONTAL
2	15540.50	43.57	54.00	-10.43	29.75	10.77	38.25	35.20	Average	152	140	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.85	57.39	74.00	-16.61	43.57	10.77	38.25	35.20	Peak	150	238	VERTICAL
2	15540.14	44.47	54.00	-9.53	30.65	10.77	38.25	35.20	Average	150	238	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.90	43.52	54.00	-10.48	29.82	10.78	38.16	35.24	Average	187	104	HORIZONTAL
2	15600.25	56.63	74.00	-17.37	42.93	10.78	38.16	35.24	Peak	187	104	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.08	44.23	54.00	-9.77	30.53	10.78	38.16	35.24	Average	156	286	VERTICAL
2	15600.20	57.37	74.00	-16.63	43.67	10.78	38.16	35.24	Peak	156	286	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.91	56.45	74.00	-17.55	42.95	10.79	37.99	35.28	Peak	187	142	HORIZONTAL
2	15720.40	43.14	54.00	-10.86	29.64	10.79	37.99	35.28	Average	187	142	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.89	57.15	74.00	-16.85	43.65	10.79	37.99	35.28	Peak	157	277	VERTICAL
2	15720.34	43.98	54.00	-10.02	30.48	10.79	37.99	35.28	Average	157	277	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.51	54.36	74.00	-19.64	40.84	9.24	39.08	34.80	Peak	174	276	HORIZONTAL
2	11490.28	41.15	54.00	-12.85	27.63	9.24	39.08	34.80	Average	174	276	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11494.34	56.31	74.00	-17.69	42.79	9.24	39.08	34.80	Peak	165	147	VERTICAL
2	11495.28	44.44	54.00	-9.56	30.92	9.24	39.08	34.80	Average	165	147	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.65	41.91	54.00	-12.09	28.32	9.26	39.14	34.81	Average	221	261	HORIZONTAL
2	11569.87	54.47	74.00	-19.53	40.89	9.26	39.14	34.82	Peak	221	261	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11575.43	60.49	74.00	-13.51	46.91	9.26	39.14	34.82	Peak	182	58	VERTICAL
2	11575.72	47.59	54.00	-6.41	34.01	9.26	39.14	34.82	Average	182	58	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.91	54.55	74.00	-19.45	40.93	9.28	39.18	34.84	Peak	150	222	HORIZONTAL
2	11649.96	41.63	54.00	-12.37	28.01	9.28	39.18	34.84	Average	150	222	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.73	57.12	74.00	-16.88	43.50	9.28	39.18	34.84	Peak	197	95	VERTICAL
2	11649.74	43.80	54.00	-10.20	30.18	9.28	39.18	34.84	Average	197	95	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.98	56.69	74.00	-17.31	42.92	10.78	38.20	35.21	Peak	150	256	HORIZONTAL
2	15570.32	43.29	54.00	-10.71	29.52	10.78	38.20	35.21	Average	150	256	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.72	57.16	74.00	-16.84	43.39	10.78	38.20	35.21	Peak	150	82	VERTICAL
2	15569.89	43.75	54.00	-10.25	29.98	10.78	38.20	35.21	Average	150	82	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.77	43.04	54.00	-10.96	29.49	10.79	38.03	35.27	Average	150	251	HORIZONTAL
2	15690.41	56.32	74.00	-17.68	42.77	10.79	38.03	35.27	Peak	150	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.68	55.73	74.00	-18.27	42.18	10.79	38.03	35.27	Peak	150	147	VERTICAL
2	15690.12	42.72	54.00	-11.28	29.17	10.79	38.03	35.27	Average	150	147	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.81	54.35	74.00	-19.65	40.80	9.25	39.10	34.80	Peak	150	174	HORIZONTAL
2	11510.18	41.68	54.00	-12.32	28.13	9.25	39.10	34.80	Average	150	174	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.88	40.97	54.00	-13.03	27.42	9.25	39.10	34.80	Average	150	334	VERTICAL
2	11510.48	55.36	74.00	-18.64	41.81	9.25	39.10	34.80	Peak	150	334	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.64	41.97	54.00	-12.03	28.37	9.27	39.15	34.82	Average	150	253	HORIZONTAL
2	11589.73	55.09	74.00	-18.91	41.49	9.27	39.15	34.82	Peak	150	253	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.91	54.68	74.00	-19.32	41.08	9.27	39.15	34.82	Peak	161	249	VERTICAL
2	11590.25	41.54	54.00	-12.46	27.94	9.27	39.15	34.82	Average	161	249	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.79	56.77	74.00	-17.23	43.13	10.78	38.11	35.25	Peak	150	261	HORIZONTAL
2	15630.20	43.34	54.00	-10.66	29.70	10.78	38.11	35.25	Average	150	261	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15630.00	42.50	54.00	-11.50	28.86	10.78	38.11	35.25	Average	150	151	VERTICAL
2	15630.15	55.92	74.00	-18.08	42.28	10.78	38.11	35.25	Peak	150	151	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.10	54.53	74.00	-19.47	40.95	9.26	39.13	34.81	Peak	150	186	HORIZONTAL
2	11550.21	41.76	54.00	-12.24	28.18	9.26	39.13	34.81	Average	150	186	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.58	41.37	54.00	-12.63	27.79	9.26	39.13	34.81	Average	150	268	VERTICAL
2	11549.84	54.20	74.00	-19.80	40.62	9.26	39.13	34.81	Peak	150	268	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	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.83	42.97	54.00	-11.03	29.15	10.77	38.25	35.20	Average	150	56	HORIZONTAL
2	15543.53	56.57	74.00	-17.43	42.76	10.78	38.23	35.20	Peak	150	56	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15544.66	43.20	54.00	-10.80	29.39	10.78	38.23	35.20	Average	163	232	VERTICAL
2	15547.79	57.30	74.00	-16.70	43.50	10.78	38.23	35.21	Peak	163	232	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.68	55.68	74.00	-18.32	41.96	10.78	38.16	35.22	Peak	211	153	HORIZONTAL
2	15601.68	42.37	54.00	-11.63	28.67	10.78	38.16	35.24	Average	211	153	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15601.82	55.01	74.00	-18.99	41.31	10.78	38.16	35.24	Peak	181	147	VERTICAL
2	15605.09	42.31	54.00	-11.69	28.61	10.78	38.16	35.24	Average	181	147	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.44	42.38	54.00	-11.62	28.88	10.79	37.99	35.28	Average	153	288	HORIZONTAL
2	15721.79	55.23	74.00	-18.77	41.73	10.79	37.99	35.28	Peak	153	288	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.59	55.74	74.00	-18.26	42.24	10.79	37.99	35.28	Peak	190	62	VERTICAL
2	15724.60	43.21	54.00	-10.79	29.71	10.79	37.99	35.28	Average	190	62	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11495.99	42.77	54.00	-11.23	29.25	9.24	39.08	34.80	Average	199	298	HORIZONTAL
2	11496.45	55.09	74.00	-18.91	41.57	9.24	39.08	34.80	Peak	199	298	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11483.05	40.86	54.00	-13.14	27.34	9.24	39.08	34.80	Average	172	223	VERTICAL
2	11491.56	53.96	74.00	-20.04	40.44	9.24	39.08	34.80	Peak	172	223	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11573.01	46.23	54.00	-7.77	32.65	9.26	39.14	34.82	Average	164	317	HORIZONTAL
2	11573.10	58.85	74.00	-15.15	45.27	9.26	39.14	34.82	Peak	164	317	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.95	41.75	54.00	-12.25	28.16	9.26	39.14	34.81	Average	158	30	VERTICAL
2	11568.18	53.93	74.00	-20.07	40.34	9.26	39.14	34.81	Peak	158	30	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.14	45.17	54.00	-8.83	31.55	9.28	39.18	34.84	Average	179	276	HORIZONTAL
2	11651.04	57.08	74.00	-16.92	43.45	9.28	39.19	34.84	Peak	179	276	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.69	41.35	54.00	-12.65	27.72	9.28	39.18	34.83	Average	166	176	VERTICAL
2	11645.72	54.04	74.00	-19.96	40.41	9.28	39.18	34.83	Peak	166	176	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15541.82	55.96	74.00	-18.04	42.14	10.77	38.25	35.20	Peak	183	104	HORIZONTAL
2	15542.46	43.41	54.00	-10.59	29.59	10.77	38.25	35.20	Average	183	104	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.13	56.57	74.00	-17.43	42.75	10.77	38.25	35.20	Peak	180	305	VERTICAL
2	15539.15	43.37	54.00	-10.63	29.55	10.77	38.25	35.20	Average	180	305	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.44	43.49	54.00	-10.51	29.77	10.78	38.16	35.22	Average	166	79	HORIZONTAL
2	15602.44	56.24	74.00	-17.76	42.54	10.78	38.16	35.24	Peak	166	79	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.07	43.28	54.00	-10.72	29.56	10.78	38.16	35.22	Average	181	316	VERTICAL
2	15598.13	56.15	74.00	-17.85	42.43	10.78	38.16	35.22	Peak	181	316	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.19	56.55	74.00	-17.45	43.05	10.79	37.99	35.28	Peak	179	91	HORIZONTAL
2	15722.06	43.35	54.00	-10.65	29.85	10.79	37.99	35.28	Average	179	91	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.09	56.57	74.00	-17.43	43.07	10.79	37.99	35.28	Peak	182	329	VERTICAL
2	15722.25	43.34	54.00	-10.66	29.84	10.79	37.99	35.28	Average	182	329	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11487.79	56.58	74.00	-17.42	43.06	9.24	39.08	34.80	Peak	224	301	HORIZONTAL
2	11489.41	42.79	54.00	-11.21	29.27	9.24	39.08	34.80	Average	224	301	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.92	41.42	54.00	-12.58	27.90	9.24	39.08	34.80	Average	240	340	VERTICAL
2	11490.96	54.38	74.00	-19.62	40.86	9.24	39.08	34.80	Peak	240	340	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.04	58.44	74.00	-15.56	44.85	9.26	39.14	34.81	Peak	246	309	HORIZONTAL
2	11569.80	45.87	54.00	-8.13	32.29	9.26	39.14	34.82	Average	246	309	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.98	56.47	74.00	-17.53	42.89	9.26	39.14	34.82	Peak	237	354	VERTICAL
2	11572.26	43.66	54.00	-10.34	30.08	9.26	39.14	34.82	Average	237	354	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.65	59.62	74.00	-14.38	46.00	9.28	39.18	34.84	Peak	249	303	HORIZONTAL
2	11650.08	44.67	54.00	-9.33	31.05	9.28	39.18	34.84	Average	249	303	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11647.78	55.78	74.00	-18.22	42.16	9.28	39.18	34.84	Peak	236	336	VERTICAL
2	11649.05	42.66	54.00	-11.34	29.04	9.28	39.18	34.84	Average	236	336	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.83	43.22	54.00	-10.78	29.45	10.78	38.20	35.21	Average	180	97	HORIZONTAL
2	15571.24	56.51	74.00	-17.49	42.74	10.78	38.20	35.21	Peak	180	97	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.68	55.61	74.00	-18.39	41.84	10.78	38.20	35.21	Peak	180	315	VERTICAL
2	15570.28	43.20	54.00	-10.80	29.43	10.78	38.20	35.21	Average	180	315	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15691.22	43.18	54.00	-10.82	29.63	10.79	38.03	35.27	Average	180	89	HORIZONTAL
2	15692.03	55.92	74.00	-18.08	42.37	10.79	38.03	35.27	Peak	180	89	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15688.31	43.29	54.00	-10.71	29.74	10.79	38.03	35.27	Average	182	342	VERTICAL
2	15689.10	56.55	74.00	-17.45	43.00	10.79	38.03	35.27	Peak	182	342	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.96	42.00	54.00	-12.00	28.45	9.25	39.10	34.80	Average	220	299	HORIZONTAL
2	11510.21	54.83	74.00	-19.17	41.28	9.25	39.10	34.80	Peak	220	299	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.07	41.35	54.00	-12.65	27.80	9.25	39.10	34.80	Average	225	315	VERTICAL
2	11509.88	54.61	74.00	-19.39	41.06	9.25	39.10	34.80	Peak	225	315	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.12	43.51	54.00	-10.49	29.91	9.27	39.15	34.82	Average	213	313	HORIZONTAL
2	11589.20	56.05	74.00	-17.95	42.45	9.27	39.15	34.82	Peak	213	313	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.47	41.72	54.00	-12.28	28.12	9.27	39.15	34.82	Average	215	349	VERTICAL
2	11590.02	55.10	74.00	-18.90	41.50	9.27	39.15	34.82	Peak	215	349	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15631.27	56.15	74.00	-17.85	42.51	10.78	38.11	35.25	Peak	190	87	HORIZONTAL
2	15631.32	43.33	54.00	-10.67	29.69	10.78	38.11	35.25	Average	190	87	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.61	56.53	74.00	-17.47	42.89	10.78	38.11	35.25	Peak	187	314	VERTICAL
2	15632.16	43.25	54.00	-10.75	29.61	10.78	38.11	35.25	Average	187	314	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.62	41.63	54.00	-12.37	28.05	9.26	39.13	34.81	Average	223	316	HORIZONTAL
2	11552.15	54.82	74.00	-19.18	41.24	9.26	39.13	34.81	Peak	223	316	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11548.29	54.50	74.00	-19.50	40.93	9.26	39.12	34.81	Peak	231	288	VERTICAL
2	11549.62	41.76	54.00	-12.24	28.18	9.26	39.13	34.81	Average	231	288	VERTICAL

Note:

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

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

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

4.7. Band Edge Emissions Measurement

4.7.1. Limit

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

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

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

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

4.7.2. Measuring Instruments and Setting

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

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

4.7.3. Test Procedures

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

4.7.4. Test Setup Layout

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

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.71	68.57	74.00	-5.43	63.40	6.13	34.04	35.00	Peak	143	141	VERTICAL
2	5150.00	52.52	54.00	-1.48	47.35	6.13	34.04	35.00	Average	143	141	VERTICAL
3	5176.80	107.42			102.18	6.15	34.09	35.00	Average	143	141	VERTICAL
4	5178.24	116.73			111.49	6.15	34.09	35.00	Peak	143	141	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.70	54.00	-1.30	47.53	6.13	34.04	35.00	Average	106	203	VERTICAL
2	5150.00	66.25	74.00	-7.75	61.08	6.13	34.04	35.00	Peak	106	203	VERTICAL
3	5192.95	112.52			107.24	6.16	34.12	35.00	Average	106	203	VERTICAL
4	5193.27	122.37			117.09	6.16	34.12	35.00	Peak	106	203	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5138.56	46.02	54.00	-7.98	40.89	6.12	34.01	35.00	Average	100	208	VERTICAL
2	5139.52	57.99	74.00	-16.01	52.82	6.13	34.04	35.00	Peak	100	208	VERTICAL
3	5233.75	125.06			119.71	6.18	34.17	35.00	Peak	100	208	VERTICAL
4	5234.71	113.98			108.63	6.18	34.17	35.00	Average	100	208	VERTICAL
5	5350.58	45.09	54.00	-8.91	39.47	6.26	34.36	35.00	Average	100	208	VERTICAL
6	5360.67	56.99	74.00	-17.01	51.33	6.27	34.39	35.00	Peak	100	208	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	66.92	68.20	-1.28	60.87	6.44	34.64	35.03	Peak	200	219	VERTICAL
2	5723.80	72.85	78.20	-5.35	66.79	6.45	34.64	35.03	Peak	200	219	VERTICAL
3	5744.20	108.73			102.67	6.45	34.65	35.04	Average	200	219	VERTICAL
4	5744.40	120.07			114.01	6.45	34.65	35.04	Peak	200	219	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	64.86	68.20	-3.34	58.81	6.44	34.64	35.03	Peak	207	214	VERTICAL
2	5723.40	76.96	78.20	-1.24	70.90	6.45	34.64	35.03	Peak	207	214	VERTICAL
3	5783.40	123.79			117.72	6.46	34.66	35.05	Peak	207	214	VERTICAL
4	5784.20	113.74			107.67	6.46	34.66	35.05	Average	207	214	VERTICAL
5	5850.00	59.49	78.20	-18.71	53.39	6.49	34.67	35.06	Peak	207	214	VERTICAL
6	5880.60	60.39	68.20	-7.81	54.28	6.50	34.68	35.07	Peak	207	214	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5823.80	121.34			115.25	6.48	34.67	35.06	Peak	205	217	VERTICAL
2	5824.20	109.59			103.50	6.48	34.67	35.06	Average	205	217	VERTICAL
3	5852.60	77.09	78.20	-1.11	70.99	6.49	34.67	35.06	Peak	205	217	VERTICAL
4	5864.60	65.42	68.20	-2.78	59.32	6.50	34.67	35.07	Peak	205	217	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.60	65.16	74.00	-8.84	59.99	6.13	34.04	35.00	Peak	201	138	VERTICAL
2	5150.00	52.69	54.00	-1.31	47.52	6.13	34.04	35.00	Average	201	138	VERTICAL
3	5175.80	110.15			104.91	6.15	34.09	35.00	Average	201	138	VERTICAL
4	5176.20	121.55			116.31	6.15	34.09	35.00	Peak	201	138	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.60	64.74	74.00	-9.26	59.57	6.13	34.04	35.00	Peak	195	137	VERTICAL
2	5150.00	52.65	54.00	-1.35	47.48	6.13	34.04	35.00	Average	195	137	VERTICAL
3	5195.60	113.14			107.86	6.16	34.12	35.00	Average	195	137	VERTICAL
4	5196.40	123.99			118.71	6.16	34.12	35.00	Peak	195	137	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5121.20	58.74	74.00	-15.26	53.64	6.11	33.99	35.00	Peak	197	132	VERTICAL
2	5140.40	46.97	54.00	-7.03	41.80	6.13	34.04	35.00	Average	197	132	VERTICAL
3	5235.80	125.18			119.83	6.18	34.17	35.00	Peak	197	132	VERTICAL
4	5237.00	114.84			109.49	6.18	34.17	35.00	Average	197	132	VERTICAL
5	5350.00	58.96	74.00	-15.04	53.34	6.26	34.36	35.00	Peak	197	132	VERTICAL
6	5376.80	46.76	54.00	-7.24	41.09	6.27	34.39	34.99	Average	197	132	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.20	67.02	68.20	-1.18	60.97	6.44	34.64	35.03	Peak	200	158	VERTICAL
2	5725.00	75.48	78.20	-2.72	69.42	6.45	34.64	35.03	Peak	200	158	VERTICAL
3	5736.80	105.43			99.37	6.45	34.65	35.04	Average	200	158	VERTICAL
4	5737.20	114.93			108.87	6.45	34.65	35.04	Peak	200	158	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	63.33	68.20	-4.87	57.28	6.44	34.64	35.03	Peak	200	216	VERTICAL
2	5724.20	71.10	78.20	-7.10	65.04	6.45	34.64	35.03	Peak	200	216	VERTICAL
3	5783.80	113.05			106.98	6.46	34.66	35.05	Average	200	216	VERTICAL
4	5784.20	123.41			117.34	6.46	34.66	35.05	Peak	200	216	VERTICAL
5	5850.00	58.44	78.20	-19.76	52.34	6.49	34.67	35.06	Peak	200	216	VERTICAL
6	5863.00	61.15	68.20	-7.05	55.05	6.50	34.67	35.07	Peak	200	216	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5823.80	120.76			114.67	6.48	34.67	35.06	Peak	200	216	VERTICAL
2	5824.60	110.24			104.15	6.48	34.67	35.06	Average	200	216	VERTICAL
3	5852.40	71.39	78.20	-6.81	65.29	6.49	34.67	35.06	Peak	200	216	VERTICAL
4	5864.20	66.71	68.20	-1.49	60.61	6.50	34.67	35.07	Peak	200	216	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.00	64.24	74.00	-9.76	59.07	6.13	34.04	35.00	Peak	190	137	VERTICAL
2	5149.20	52.73	54.00	-1.27	47.56	6.13	34.04	35.00	Average	190	137	VERTICAL
3	5186.40	114.24			109.00	6.15	34.09	35.00	Peak	190	137	VERTICAL
4	5186.80	104.46			99.22	6.15	34.09	35.00	Average	190	137	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.40	65.97	74.00	-8.03	60.80	6.13	34.04	35.00	Peak	200	134	VERTICAL
2	5146.00	52.69	54.00	-1.31	47.52	6.13	34.04	35.00	Average	200	134	VERTICAL
3	5226.40	110.78			105.43	6.18	34.17	35.00	Average	200	134	VERTICAL
4	5226.40	119.64			114.29	6.18	34.17	35.00	Peak	200	134	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.20	66.62	68.20	-1.58	60.57	6.44	34.64	35.03	Peak	200	215	VERTICAL
2	5725.00	70.24	78.20	-7.96	64.18	6.45	34.64	35.03	Peak	200	215	VERTICAL
3	5753.80	105.21			99.14	6.46	34.65	35.04	Average	200	215	VERTICAL
4	5753.80	114.43			108.36	6.46	34.65	35.04	Peak	200	215	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	67.16	68.20	-1.04	61.11	6.44	34.64	35.03	Peak	200	215	VERTICAL
2	5724.20	68.09	78.20	-10.11	62.03	6.45	34.64	35.03	Peak	200	215	VERTICAL
3	5793.80	107.00			100.92	6.47	34.66	35.05	Average	200	215	VERTICAL
4	5793.80	116.81			110.73	6.47	34.66	35.05	Peak	200	215	VERTICAL
5	5854.40	67.66	78.20	-10.54	61.55	6.50	34.67	35.06	Peak	200	215	VERTICAL
6	5862.20	62.42	68.20	-5.78	56.32	6.50	34.67	35.07	Peak	200	215	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.00	52.87	54.00	-1.13	47.70	6.13	34.04	35.00	Average	200	134	VERTICAL
2	5145.00	63.48	74.00	-10.52	58.31	6.13	34.04	35.00	Peak	200	134	VERTICAL
3	5226.00	98.31			92.96	6.18	34.17	35.00	Average	200	134	VERTICAL
4	5226.00	108.29			102.94	6.18	34.17	35.00	Peak	200	134	VERTICAL
5	5350.00	46.20	54.00	-7.80	40.58	6.26	34.36	35.00	Average	200	134	VERTICAL
6	5400.00	58.92	74.00	-15.08	53.18	6.29	34.44	34.99	Peak	200	134	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	66.64	68.20	-1.56	60.59	6.44	34.64	35.03	Peak	205	215	VERTICAL
2	5720.60	65.89	78.20	-12.31	59.83	6.45	34.64	35.03	Peak	205	215	VERTICAL
3	5753.40	96.43			90.36	6.46	34.65	35.04	Average	205	215	VERTICAL
4	5755.00	107.63			101.56	6.46	34.65	35.04	Peak	205	215	VERTICAL
5	5854.20	65.43	78.20	-12.77	59.32	6.50	34.67	35.06	Peak	205	215	VERTICAL
6	5863.00	61.70	68.20	-6.50	55.60	6.50	34.67	35.07	Peak	205	215	VERTICAL

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

Note:

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

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.58	54.00	-1.42	47.41	6.13	34.04	35.00	Average	156	0	HORIZONTAL
2	5150.00	64.46	74.00	-9.54	59.29	6.13	34.04	35.00	Peak	156	0	HORIZONTAL
3	5181.88	118.52			113.28	6.15	34.09	35.00	Peak	156	0	HORIZONTAL
4	5182.60	107.61			102.37	6.15	34.09	35.00	Average	156	0	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.75	54.00	-1.25	47.58	6.13	34.04	35.00	Average	110	4	VERTICAL
2	5150.00	64.43	74.00	-9.57	59.26	6.13	34.04	35.00	Peak	110	4	VERTICAL
3	5194.79	110.77			105.49	6.16	34.12	35.00	Average	110	4	VERTICAL
4	5194.79	120.45			115.17	6.16	34.12	35.00	Peak	110	4	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5142.19	47.34	54.00	-6.66	42.17	6.13	34.04	35.00	Average	125	360	VERTICAL
2	5150.00	57.98	74.00	-16.02	52.81	6.13	34.04	35.00	Peak	125	360	VERTICAL
3	5236.96	108.73			103.38	6.18	34.17	35.00	Average	125	360	VERTICAL
4	5236.96	118.38			113.03	6.18	34.17	35.00	Peak	125	360	VERTICAL
5	5350.00	46.77	54.00	-7.23	41.15	6.26	34.36	35.00	Average	125	360	VERTICAL
6	5350.00	57.93	74.00	-16.07	52.31	6.26	34.36	35.00	Peak	125	360	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.85	64.25	68.20	-3.95	58.20	6.44	34.64	35.03	Peak	129	355	VERTICAL
2	5724.74	76.60	78.20	-1.60	70.54	6.45	34.64	35.03	Peak	129	355	VERTICAL
3	5748.47	108.01			101.95	6.45	34.65	35.04	Average	129	355	VERTICAL
4	5748.47	118.62			112.56	6.45	34.65	35.04	Peak	129	355	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5703.42	66.80	68.20	-1.40	60.75	6.44	34.64	35.03	Peak	162	2	HORIZONTAL
2	5724.28	72.93	78.20	-5.27	66.87	6.45	34.64	35.03	Peak	162	2	HORIZONTAL
3	5781.38	112.10			106.03	6.46	34.66	35.05	Average	162	2	HORIZONTAL
4	5782.11	122.93			116.86	6.46	34.66	35.05	Peak	162	2	HORIZONTAL
5	5850.00	68.41	78.20	-9.79	62.31	6.49	34.67	35.06	Peak	162	2	HORIZONTAL
6	5860.98	64.09	68.20	-4.11	57.99	6.50	34.67	35.07	Peak	162	2	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5830.21	105.84			99.75	6.48	34.67	35.06	Average	129	353	VERTICAL
2	5830.50	116.52			110.43	6.48	34.67	35.06	Peak	129	353	VERTICAL
3	5850.00	77.15	78.20	-1.05	71.05	6.49	34.67	35.06	Peak	129	353	VERTICAL
4	5894.75	60.70	68.20	-7.50	54.58	6.51	34.68	35.07	Peak	129	353	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.74	65.08	74.00	-8.92	59.91	6.13	34.04	35.00	Peak	120	5	VERTICAL
2	5150.00	52.61	54.00	-1.39	47.44	6.13	34.04	35.00	Average	120	5	VERTICAL
3	5173.92	118.40			113.16	6.15	34.09	35.00	Peak	120	5	VERTICAL
4	5174.50	108.44			103.20	6.15	34.09	35.00	Average	120	5	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.35	63.23	74.00	-10.77	58.06	6.13	34.04	35.00	Peak	109	5	VERTICAL
2	5150.00	50.30	54.00	-3.70	45.13	6.13	34.04	35.00	Average	109	5	VERTICAL
3	5193.92	120.51			115.23	6.16	34.12	35.00	Peak	109	5	VERTICAL
4	5194.79	110.05			104.77	6.16	34.12	35.00	Average	109	5	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5120.17	58.79	74.00	-15.21	53.69	6.11	33.99	35.00	Peak	105	0	VERTICAL
2	5139.71	47.20	54.00	-6.80	42.03	6.13	34.04	35.00	Average	105	0	VERTICAL
3	5235.66	108.11			102.76	6.18	34.17	35.00	Average	105	0	VERTICAL
4	5236.09	118.85			113.50	6.18	34.17	35.00	Peak	105	0	VERTICAL
5	5353.47	46.94	54.00	-7.06	41.32	6.26	34.36	35.00	Average	105	0	VERTICAL
6	5369.54	59.79	74.00	-14.21	54.13	6.27	34.39	35.00	Peak	105	0	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.61	60.38	68.20	-7.82	54.33	6.44	34.64	35.03	Peak	186	5	HORIZONTAL
2	5725.00	77.02	78.20	-1.18	70.96	6.45	34.64	35.03	Peak	186	5	HORIZONTAL
3	5742.11	106.11			100.05	6.45	34.65	35.04	Average	186	5	HORIZONTAL
4	5743.26	115.13			109.07	6.45	34.65	35.04	Peak	186	5	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5711.92	58.37	68.20	-9.83	52.32	6.44	34.64	35.03	Peak	172	3	HORIZONTAL
2	5724.22	63.57	78.20	-14.63	57.51	6.45	34.64	35.03	Peak	172	3	HORIZONTAL
3	5781.38	110.28			104.21	6.46	34.66	35.05	Average	172	3	HORIZONTAL
4	5781.38	119.88			113.81	6.46	34.66	35.05	Peak	172	3	HORIZONTAL
5	5850.00	60.58	78.20	-17.62	54.48	6.49	34.67	35.06	Peak	172	3	HORIZONTAL
6	5864.34	60.35	68.20	-7.85	54.25	6.50	34.67	35.07	Peak	172	3	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5830.21	105.54			99.45	6.48	34.67	35.06	Average	163	358	VERTICAL
2	5830.21	115.29			109.20	6.48	34.67	35.06	Peak	163	358	VERTICAL
3	5850.18	77.09	78.20	-1.11	70.99	6.49	34.67	35.06	Peak	163	358	VERTICAL
4	5860.00	58.86	68.20	-9.34	52.76	6.50	34.67	35.07	Peak	163	358	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.72	54.00	-1.28	47.55	6.13	34.04	35.00	Average	156	8	VERTICAL
2	5150.00	63.85	74.00	-10.15	58.68	6.13	34.04	35.00	Peak	156	8	VERTICAL
3	5184.21	100.43			95.19	6.15	34.09	35.00	Average	156	8	VERTICAL
4	5185.08	108.19			102.95	6.15	34.09	35.00	Peak	156	8	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.91	52.23	54.00	-1.77	47.06	6.13	34.04	35.00	Average	141	4	VERTICAL
2	5144.91	62.97	74.00	-11.03	57.80	6.13	34.04	35.00	Peak	141	4	VERTICAL
3	5225.22	112.38			107.03	6.18	34.17	35.00	Peak	141	4	VERTICAL
4	5226.09	104.93			99.58	6.18	34.17	35.00	Average	141	4	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5709.85	66.76	68.20	-1.44	60.71	6.44	34.64	35.03	Peak	191	355	HORIZONTAL
2	5717.08	67.78	78.20	-10.42	61.73	6.44	34.64	35.03	Peak	191	355	HORIZONTAL
3	5749.21	100.51			94.45	6.45	34.65	35.04	Average	191	355	HORIZONTAL
4	5749.79	110.55			104.49	6.45	34.65	35.04	Peak	191	355	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5622.79	60.19	68.20	-8.01	54.17	6.41	34.62	35.01	Peak	189	2	VERTICAL
2	5721.92	62.28	78.20	-15.92	56.22	6.45	34.64	35.03	Peak	189	2	VERTICAL
3	5799.34	103.15			97.07	6.47	34.66	35.05	Average	189	2	VERTICAL
4	5799.34	112.91			106.83	6.47	34.66	35.05	Peak	189	2	VERTICAL
5	5859.41	67.41	78.20	-10.79	61.31	6.50	34.67	35.07	Peak	189	2	VERTICAL
6	5860.00	66.79	68.20	-1.41	60.69	6.50	34.67	35.07	Peak	189	2	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015 ~ Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.93	52.75	54.00	-1.25	47.58	6.13	34.04	35.00	Average	189	9	VERTICAL
2	5146.38	66.04	74.00	-7.96	60.87	6.13	34.04	35.00	Peak	189	9	VERTICAL
3	5186.12	94.16			88.92	6.15	34.09	35.00	Average	189	9	VERTICAL
4	5186.12	103.85			98.61	6.15	34.09	35.00	Peak	189	9	VERTICAL
5	5352.89	46.91	54.00	-7.09	41.29	6.26	34.36	35.00	Average	189	9	VERTICAL
6	5361.58	59.97	74.00	-14.03	54.31	6.27	34.39	35.00	Peak	189	9	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5707.71	67.07	68.20	-1.13	61.02	6.44	34.64	35.03	Peak	197	358	HORIZONTAL
2	5716.39	67.76	78.20	-10.44	61.71	6.44	34.64	35.03	Peak	197	358	HORIZONTAL
3	5768.49	104.99			98.93	6.46	34.65	35.05	Peak	197	358	HORIZONTAL
4	5788.02	94.98			88.90	6.47	34.66	35.05	Average	197	358	HORIZONTAL
5	5850.00	67.78	78.20	-10.42	61.68	6.49	34.67	35.06	Peak	197	358	HORIZONTAL
6	5869.41	65.79	68.20	-2.41	59.69	6.50	34.67	35.07	Peak	197	358	HORIZONTAL

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

Note:

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

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5141.67	66.82	74.00	-7.18	61.65	6.13	34.04	35.00	Peak	180	359	VERTICAL
2	5150.00	52.60	54.00	-1.40	47.43	6.13	34.04	35.00	Average	180	359	VERTICAL
3	5181.28	109.03			103.79	6.15	34.09	35.00	Average	180	359	VERTICAL
4	5181.92	119.60			114.36	6.15	34.09	35.00	Peak	180	359	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.44	66.66	74.00	-7.34	61.49	6.13	34.04	35.00	Peak	182	357	VERTICAL
2	5148.08	50.87	54.00	-3.13	45.70	6.13	34.04	35.00	Average	182	357	VERTICAL
3	5201.92	109.94			104.66	6.16	34.12	35.00	Average	182	357	VERTICAL
4	5201.92	120.14			114.86	6.16	34.12	35.00	Peak	182	357	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5141.83	46.10	54.00	-7.90	40.93	6.13	34.04	35.00	Average	178	358	VERTICAL
2	5142.31	57.45	74.00	-16.55	52.28	6.13	34.04	35.00	Peak	178	358	VERTICAL
3	5241.92	108.49			103.09	6.20	34.20	35.00	Average	178	358	VERTICAL
4	5242.89	118.60			113.20	6.20	34.20	35.00	Peak	178	358	VERTICAL
5	5350.00	45.59	54.00	-8.41	39.97	6.26	34.36	35.00	Average	178	358	VERTICAL
6	5350.96	56.10	74.00	-17.90	50.48	6.26	34.36	35.00	Peak	178	358	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5706.99	66.96	68.20	-1.24	60.91	6.44	34.64	35.03	Peak	212	347	VERTICAL
2	5725.00	75.11	78.20	-3.09	69.05	6.45	34.64	35.03	Peak	212	347	VERTICAL
3	5748.21	108.54			102.48	6.45	34.65	35.04	Average	212	347	VERTICAL
4	5748.21	118.91			112.85	6.45	34.65	35.04	Peak	212	347	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.36	65.86	68.20	-2.34	59.81	6.44	34.64	35.03	Peak	224	345	HORIZONTAL
2	5720.51	71.92	78.20	-6.28	65.86	6.45	34.64	35.03	Peak	224	345	HORIZONTAL
3	5779.87	112.69			106.62	6.46	34.66	35.05	Average	224	345	HORIZONTAL
4	5779.87	123.57			117.50	6.46	34.66	35.05	Peak	224	345	HORIZONTAL
5	5850.00	66.33	78.20	-11.87	60.23	6.49	34.67	35.06	Peak	224	345	HORIZONTAL
6	5860.00	66.34	68.20	-1.86	60.24	6.50	34.67	35.07	Peak	224	345	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5818.91	120.93			114.85	6.48	34.66	35.06	Peak	210	345	HORIZONTAL
2	5819.55	109.96			103.87	6.48	34.67	35.06	Average	210	345	HORIZONTAL
3	5852.56	70.05	78.20	-8.15	63.95	6.49	34.67	35.06	Peak	210	345	HORIZONTAL
4	5860.00	67.18	68.20	-1.02	61.08	6.50	34.67	35.07	Peak	210	345	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.96	52.95	54.00	-1.05	47.78	6.13	34.04	35.00	Average	217	358	VERTICAL
2	5146.96	68.38	74.00	-5.62	63.21	6.13	34.04	35.00	Peak	217	358	VERTICAL
3	5174.39	117.23			111.99	6.15	34.09	35.00	Peak	217	358	VERTICAL
4	5174.55	106.44			101.20	6.15	34.09	35.00	Average	217	358	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.83	64.06	74.00	-9.94	58.89	6.13	34.04	35.00	Peak	174	357	VERTICAL
2	5149.04	50.45	54.00	-3.55	45.28	6.13	34.04	35.00	Average	174	357	VERTICAL
3	5201.60	120.20			114.92	6.16	34.12	35.00	Peak	174	357	VERTICAL
4	5202.24	109.91			104.63	6.16	34.12	35.00	Average	174	357	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	46.07	54.00	-7.93	40.90	6.13	34.04	35.00	Average	178	352	HORIZONTAL
2	5150.00	56.06	74.00	-17.94	50.89	6.13	34.04	35.00	Peak	178	352	HORIZONTAL
3	5233.27	108.56			103.21	6.18	34.17	35.00	Average	178	352	HORIZONTAL
4	5233.75	118.62			113.27	6.18	34.17	35.00	Peak	178	352	HORIZONTAL
5	5350.00	45.53	54.00	-8.47	39.91	6.26	34.36	35.00	Average	178	352	HORIZONTAL
6	5350.00	55.33	74.00	-18.67	49.71	6.26	34.36	35.00	Peak	178	352	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.23	59.70	68.20	-8.50	53.65	6.44	34.64	35.03	Peak	212	334	HORIZONTAL
2	5721.28	76.81	78.20	-1.39	70.75	6.45	34.64	35.03	Peak	212	334	HORIZONTAL
3	5740.51	105.10			99.04	6.45	34.65	35.04	Average	212	334	HORIZONTAL
4	5741.15	115.39			109.33	6.45	34.65	35.04	Peak	212	334	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.49	62.16	68.20	-6.04	56.11	6.44	34.64	35.03	Peak	229	336	HORIZONTAL
2	5721.70	65.30	78.20	-12.90	59.24	6.45	34.64	35.03	Peak	229	336	HORIZONTAL
3	5780.99	110.02			103.95	6.46	34.66	35.05	Average	229	336	HORIZONTAL
4	5780.99	120.65			114.58	6.46	34.66	35.05	Peak	229	336	HORIZONTAL
5	5859.52	60.00	78.20	-18.20	53.90	6.50	34.67	35.07	Peak	229	336	HORIZONTAL
6	5861.12	59.51	68.20	-8.69	53.41	6.50	34.67	35.07	Peak	229	336	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5818.27	106.50			100.42	6.48	34.66	35.06	Average	211	349	HORIZONTAL
2	5818.91	117.27			111.19	6.48	34.66	35.06	Peak	211	349	HORIZONTAL
3	5858.01	68.84	78.20	-9.36	62.74	6.50	34.67	35.07	Peak	211	349	HORIZONTAL
4	5860.00	67.04	68.20	-1.16	60.94	6.50	34.67	35.07	Peak	211	349	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.80	65.61	74.00	-8.39	60.44	6.13	34.04	35.00	Peak	183	348	HORIZONTAL
2	5149.68	52.27	54.00	-1.73	47.10	6.13	34.04	35.00	Average	183	348	HORIZONTAL
3	5182.63	111.46			106.22	6.15	34.09	35.00	Peak	183	348	HORIZONTAL
4	5182.95	101.24			96.00	6.15	34.09	35.00	Average	183	348	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.96	54.00	-1.04	47.79	6.13	34.04	35.00	Average	179	355	VERTICAL
2	5150.00	65.32	74.00	-8.68	60.15	6.13	34.04	35.00	Peak	179	355	VERTICAL
3	5231.92	115.04			109.69	6.18	34.17	35.00	Peak	179	355	VERTICAL
4	5232.24	105.26			99.91	6.18	34.17	35.00	Average	179	355	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.51	66.79	68.20	-1.41	60.74	6.44	34.64	35.03	Peak	215	341	HORIZONTAL
2	5717.95	72.40	78.20	-5.80	66.34	6.45	34.64	35.03	Peak	215	341	HORIZONTAL
3	5749.23	104.16			98.10	6.45	34.65	35.04	Average	215	341	HORIZONTAL
4	5749.87	114.23			108.17	6.45	34.65	35.04	Peak	215	341	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5789.23	107.23			101.15	6.47	34.66	35.05	Average	222	344	HORIZONTAL
2	5789.55	117.03			110.95	6.47	34.66	35.05	Peak	222	344	HORIZONTAL
3	5850.00	72.20	78.20	-6.00	66.10	6.49	34.67	35.06	Peak	222	344	HORIZONTAL
4	5868.97	67.16	68.20	-1.04	61.06	6.50	34.67	35.07	Peak	222	344	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.19	64.80	74.00	-9.20	59.63	6.13	34.04	35.00	Peak	186	353	VERTICAL
2	5145.67	52.86	54.00	-1.14	47.69	6.13	34.04	35.00	Average	186	353	VERTICAL
3	5191.73	104.05			98.77	6.16	34.12	35.00	Peak	186	353	VERTICAL
4	5212.89	93.95			88.63	6.17	34.15	35.00	Average	186	353	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.19	66.89	68.20	-1.31	60.84	6.44	34.64	35.03	Peak	218	345	HORIZONTAL
2	5724.52	66.53	78.20	-11.67	60.47	6.45	34.64	35.03	Peak	218	345	HORIZONTAL
3	5789.42	96.55			90.47	6.47	34.66	35.05	Average	218	345	HORIZONTAL
4	5789.42	106.58			100.50	6.47	34.66	35.05	Peak	218	345	HORIZONTAL
5	5850.48	64.88	78.20	-13.32	58.78	6.49	34.67	35.06	Peak	218	345	HORIZONTAL
6	5868.17	66.52	68.20	-1.68	60.42	6.50	34.67	35.07	Peak	218	345	HORIZONTAL

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

Note:

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

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5145.71	65.69	74.00	-8.31	61.05	5.84	33.27	34.47	186	198	Peak	VERTICAL
2	5149.55	52.58	54.00	-1.42	47.94	5.84	33.27	34.47	186	198	Average	VERTICAL
3	5176.80	113.66			108.98	5.82	33.33	34.47	186	198	Average	VERTICAL
4	5177.12	122.45			117.77	5.82	33.33	34.47	186	198	Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.80	64.44	74.00	-9.56	59.80	5.84	33.27	34.47	204	191	Peak	VERTICAL
2	5149.68	52.57	54.00	-1.43	47.93	5.84	33.27	34.47	204	191	Average	VERTICAL
3	5196.80	115.51			110.81	5.81	33.36	34.47	204	191	Average	VERTICAL
4	5197.76	122.61			117.91	5.81	33.36	34.47	204	191	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5141.92	47.67	54.00	-6.33	43.03	5.84	33.27	34.47	204	179	Average	VERTICAL
2	5148.65	58.50	74.00	-15.50	53.86	5.84	33.27	34.47	204	179	Peak	VERTICAL
3	5236.64	125.99			121.25	5.79	33.42	34.47	204	179	Peak	VERTICAL
4	5236.64	116.34			111.60	5.79	33.42	34.47	204	179	Average	VERTICAL
5	5350.58	58.15	74.00	-15.85	53.26	5.73	33.63	34.47	204	179	Peak	VERTICAL
6	5376.06	45.62	54.00	-8.38	40.70	5.73	33.66	34.47	204	179	Average	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5712.95	64.17	68.20	-4.03	58.38	5.78	34.52	34.51	178	194	Peak	HORIZONTAL
2	5725.00	76.74	78.20	-1.46	70.89	5.79	34.57	34.51	178	194	Peak	HORIZONTAL
3	5745.96	118.85			112.95	5.80	34.62	34.52	178	194	Peak	HORIZONTAL
4	5745.96	108.64			102.74	5.80	34.62	34.52	178	194	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5715.00	66.91	68.20	-1.29	61.12	5.78	34.52	34.51	182	187	Peak	VERTICAL
2	5722.18	70.93	78.20	-7.27	65.08	5.79	34.57	34.51	182	187	Peak	VERTICAL
3	5779.87	113.81			107.78	5.83	34.73	34.53	182	187	Average	VERTICAL
4	5781.80	124.31			118.28	5.83	34.73	34.53	182	187	Peak	VERTICAL
5	5850.00	62.49	78.20	-15.71	56.23	5.87	34.93	34.54	182	187	Peak	VERTICAL
6	5861.60	60.81	68.20	-7.39	54.48	5.88	34.99	34.54	182	187	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5825.64	119.76			113.55	5.86	34.88	34.53	178	197	Peak	HORIZONTAL
2	5826.28	110.04			103.83	5.86	34.88	34.53	178	197	Average	HORIZONTAL
3	5851.60	76.75	78.20	-1.45	70.49	5.87	34.93	34.54	178	197	Peak	HORIZONTAL
4	5860.00	63.12	68.20	-5.08	56.79	5.88	34.99	34.54	178	197	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.55	64.82	74.00	-9.18	60.18	5.84	33.27	34.47	186	196	Peak	VERTICAL
2	5149.55	52.57	54.00	-1.43	47.93	5.84	33.27	34.47	186	196	Average	VERTICAL
3	5176.15	123.44			118.76	5.82	33.33	34.47	186	196	Peak	VERTICAL
4	5177.12	113.63			108.95	5.82	33.33	34.47	186	196	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.04	66.26	74.00	-7.74	61.62	5.84	33.27	34.47	191	136	Peak	HORIZONTAL
2	5150.00	52.73	54.00	-1.27	48.09	5.84	33.27	34.47	191	136	Average	HORIZONTAL
3	5191.99	113.84			109.14	5.81	33.36	34.47	191	136	Average	HORIZONTAL
4	5193.27	123.58			118.88	5.81	33.36	34.47	191	136	Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.73	58.13	74.00	-15.87	53.49	5.84	33.27	34.47	181	122	Peak	HORIZONTAL
2	5149.62	47.07	54.00	-6.93	42.43	5.84	33.27	34.47	181	122	Average	HORIZONTAL
3	5242.40	114.55			109.79	5.78	33.45	34.47	181	122	Average	HORIZONTAL
4	5242.89	123.72			118.96	5.78	33.45	34.47	181	122	Peak	HORIZONTAL
5	5354.42	58.09	74.00	-15.91	53.20	5.73	33.63	34.47	181	122	Peak	HORIZONTAL
6	5376.54	45.77	54.00	-8.23	40.85	5.73	33.66	34.47	181	122	Average	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015 ~ Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5714.55	61.28	68.20	-6.92	55.49	5.78	34.52	34.51	182	185	Peak	VERTICAL
2	5722.56	76.75	78.20	-1.45	70.90	5.79	34.57	34.51	182	185	Peak	VERTICAL
3	5739.87	108.26			102.36	5.80	34.62	34.52	182	185	Average	VERTICAL
4	5740.51	118.88			112.98	5.80	34.62	34.52	182	185	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5714.17	66.85	68.20	-1.35	61.06	5.78	34.52	34.51	181	183	Peak	VERTICAL
2	5722.18	70.49	78.20	-7.71	64.64	5.79	34.57	34.51	181	183	Peak	VERTICAL
3	5779.87	113.63			107.60	5.83	34.73	34.53	181	183	Average	VERTICAL
4	5780.83	124.81			118.78	5.83	34.73	34.53	181	183	Peak	VERTICAL
5	5851.28	62.15	78.20	-16.05	55.89	5.87	34.93	34.54	181	183	Peak	VERTICAL
6	5861.28	63.33	68.20	-4.87	57.00	5.88	34.99	34.54	181	183	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5825.64	109.37			103.16	5.86	34.88	34.53	177	193	Average	HORIZONTAL
2	5826.60	120.50			114.29	5.86	34.88	34.53	177	193	Peak	HORIZONTAL
3	5850.00	76.92	78.20	-1.28	70.66	5.87	34.93	34.54	177	193	Peak	HORIZONTAL
4	5860.00	64.18	68.20	-4.02	57.85	5.88	34.99	34.54	177	193	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.01	65.32	74.00	-8.68	60.68	5.84	33.27	34.47	191	135	Peak	HORIZONTAL
2	5150.00	52.73	54.00	-1.27	48.09	5.84	33.27	34.47	191	135	Average	HORIZONTAL
3	5181.35	116.04			111.36	5.82	33.33	34.47	191	135	Peak	HORIZONTAL
4	5181.67	105.76			101.08	5.82	33.33	34.47	191	135	Average	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.83	67.02	74.00	-6.98	62.38	5.84	33.27	34.47	204	175	Peak	VERTICAL
2	5147.31	52.62	54.00	-1.38	47.98	5.84	33.27	34.47	204	175	Average	VERTICAL
3	5226.15	120.42			115.68	5.79	33.42	34.47	204	175	Peak	VERTICAL
4	5227.12	110.92			106.18	5.79	33.42	34.47	204	175	Average	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5714.62	67.10	68.20	-1.10	61.31	5.78	34.52	34.51	186	193	Peak	HORIZONTAL
2	5723.59	69.77	78.20	-8.43	63.92	5.79	34.57	34.51	186	193	Peak	HORIZONTAL
3	5745.39	104.28			98.38	5.80	34.62	34.52	186	193	Average	HORIZONTAL
4	5765.90	114.59			108.62	5.82	34.68	34.53	186	193	Peak	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5706.54	63.73	68.20	-4.47	57.94	5.78	34.52	34.51	186	194	Peak	HORIZONTAL
2	5724.81	66.39	78.20	-11.81	60.54	5.79	34.57	34.51	186	194	Peak	HORIZONTAL
3	5785.39	107.63			101.60	5.83	34.73	34.53	186	194	Average	HORIZONTAL
4	5805.58	118.31			112.16	5.85	34.83	34.53	186	194	Peak	HORIZONTAL
5	5850.00	68.59	78.20	-9.61	62.33	5.87	34.93	34.54	186	194	Peak	HORIZONTAL
6	5860.00	67.03	68.20	-1.17	60.70	5.88	34.99	34.54	186	194	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.30	52.67	54.00	-1.33	48.03	5.84	33.27	34.47	346	193	Average	VERTICAL
2	5149.10	64.03	74.00	-9.97	59.39	5.84	33.27	34.47	346	193	Peak	VERTICAL
3	5188.37	96.51			91.83	5.82	33.33	34.47	346	193	Average	VERTICAL
4	5228.43	106.77			102.03	5.79	33.42	34.47	346	193	Peak	VERTICAL
5	5351.83	45.01	54.00	-8.99	40.12	5.73	33.63	34.47	346	193	Average	VERTICAL
6	5407.12	56.87	74.00	-17.13	51.91	5.71	33.72	34.47	346	193	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5698.88	66.33	68.20	-1.87	60.60	5.77	34.47	34.51	352	194	Peak	VERTICAL
2	5723.40	72.70	78.20	-5.50	66.85	5.79	34.57	34.51	352	194	Peak	VERTICAL
3	5761.38	107.31			101.34	5.82	34.68	34.53	352	194	Peak	VERTICAL
4	5781.41	97.52			91.49	5.83	34.73	34.53	352	194	Average	VERTICAL
5	5850.00	63.56	78.20	-14.64	57.30	5.87	34.93	34.54	352	194	Peak	VERTICAL
6	5861.54	67.01	68.20	-1.19	60.68	5.88	34.99	34.54	352	194	Peak	VERTICAL

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

Note:

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

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5142.33	66.62	74.00	-7.38	61.45	6.13	34.04	35.00	Peak	104	166	VERTICAL
2	5150.00	52.87	54.00	-1.13	47.70	6.13	34.04	35.00	Average	104	166	VERTICAL
3	5183.33	105.83			100.59	6.15	34.09	35.00	Average	104	166	VERTICAL
4	5183.33	117.52			112.28	6.15	34.09	35.00	Peak	104	166	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.00	64.91	74.00	-9.09	59.74	6.13	34.04	35.00	Peak	100	166	VERTICAL
2	5149.00	51.99	54.00	-2.01	46.82	6.13	34.04	35.00	Average	100	166	VERTICAL
3	5203.33	107.43			102.15	6.16	34.12	35.00	Average	100	166	VERTICAL
4	5203.33	118.91			113.63	6.16	34.12	35.00	Peak	100	166	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.20	58.50	74.00	-15.50	53.33	6.13	34.04	35.00	Peak	278	173	HORIZONTAL
2	5150.00	45.53	54.00	-8.47	40.36	6.13	34.04	35.00	Average	278	173	HORIZONTAL
3	5234.50	107.29			101.94	6.18	34.17	35.00	Average	278	173	HORIZONTAL
4	5235.00	118.60			113.25	6.18	34.17	35.00	Peak	278	173	HORIZONTAL
5	5350.00	45.33	54.00	-8.67	39.71	6.26	34.36	35.00	Average	278	173	HORIZONTAL
6	5353.00	58.37	74.00	-15.63	52.75	6.26	34.36	35.00	Peak	278	173	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.67	66.90	68.20	-1.30	60.85	6.44	34.64	35.03	Peak	253	168	HORIZONTAL
2	5724.67	75.71	78.20	-2.49	69.65	6.45	34.64	35.03	Peak	253	168	HORIZONTAL
3	5738.67	115.87			109.81	6.45	34.65	35.04	Peak	253	168	HORIZONTAL
4	5739.33	102.76			96.70	6.45	34.65	35.04	Average	253	168	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5708.00	66.67	68.20	-1.53	60.62	6.44	34.64	35.03	Peak	250	170	HORIZONTAL
2	5722.00	71.51	78.20	-6.69	65.45	6.45	34.64	35.03	Peak	250	170	HORIZONTAL
3	5779.50	106.89			100.82	6.46	34.66	35.05	Average	250	170	HORIZONTAL
4	5780.00	119.19			113.12	6.46	34.66	35.05	Peak	250	170	HORIZONTAL
5	5856.50	69.27	78.20	-8.93	63.16	6.50	34.67	35.06	Peak	250	170	HORIZONTAL
6	5861.00	65.01	68.20	-3.19	58.91	6.50	34.67	35.07	Peak	250	170	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5821.67	104.02			97.93	6.48	34.67	35.06	Average	223	170	HORIZONTAL
2	5821.67	115.91			109.82	6.48	34.67	35.06	Peak	223	170	HORIZONTAL
3	5850.00	68.07	78.20	-10.13	61.97	6.49	34.67	35.06	Peak	223	170	HORIZONTAL
4	5860.00	66.79	68.20	-1.41	60.69	6.50	34.67	35.07	Peak	223	170	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.33	67.33	74.00	-6.67	62.16	6.13	34.04	35.00	Peak	255	173	HORIZONTAL
2	5150.00	52.90	54.00	-1.10	47.73	6.13	34.04	35.00	Average	255	173	HORIZONTAL
3	5173.67	117.94			112.70	6.15	34.09	35.00	Peak	255	173	HORIZONTAL
4	5174.67	106.41			101.17	6.15	34.09	35.00	Average	255	173	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.67	52.87	54.00	-1.13	47.70	6.13	34.04	35.00	Average	251	173	HORIZONTAL
2	5150.00	66.70	74.00	-7.30	61.53	6.13	34.04	35.00	Peak	251	173	HORIZONTAL
3	5194.67	108.92			103.64	6.16	34.12	35.00	Average	251	173	HORIZONTAL
4	5195.67	119.98			114.70	6.16	34.12	35.00	Peak	251	173	HORIZONTAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.00	46.57	54.00	-7.43	41.40	6.13	34.04	35.00	Average	281	174	HORIZONTAL
2	5149.00	58.68	74.00	-15.32	53.51	6.13	34.04	35.00	Peak	281	174	HORIZONTAL
3	5234.00	120.51			115.16	6.18	34.17	35.00	Peak	281	174	HORIZONTAL
4	5234.50	109.88			104.53	6.18	34.17	35.00	Average	281	174	HORIZONTAL
5	5350.00	45.60	54.00	-8.40	39.98	6.26	34.36	35.00	Average	281	174	HORIZONTAL
6	5350.60	58.68	74.00	-15.32	53.06	6.26	34.36	35.00	Peak	281	174	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.33	65.67	68.20	-2.53	59.62	6.44	34.64	35.03	Peak	226	169	HORIZONTAL
2	5724.67	77.05	78.20	-1.15	70.99	6.45	34.64	35.03	Peak	226	169	HORIZONTAL
3	5741.33	115.52			109.46	6.45	34.65	35.04	Peak	226	169	HORIZONTAL
4	5741.83	104.67			98.61	6.45	34.65	35.04	Average	226	169	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5703.00	64.23	68.20	-3.97	58.18	6.44	34.64	35.03	Peak	217	169	HORIZONTAL
2	5723.67	67.69	78.20	-10.51	61.63	6.45	34.64	35.03	Peak	217	169	HORIZONTAL
3	5781.00	118.45			112.38	6.46	34.66	35.05	Peak	217	169	HORIZONTAL
4	5782.33	107.81			101.74	6.46	34.66	35.05	Average	217	169	HORIZONTAL
5	5851.33	60.47	78.20	-17.73	54.37	6.49	34.67	35.06	Peak	217	169	HORIZONTAL
6	5867.00	59.49	68.20	-8.71	53.39	6.50	34.67	35.07	Peak	217	169	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5818.83	115.66			109.58	6.48	34.66	35.06	Peak	238	170	HORIZONTAL
2	5819.67	104.84			98.75	6.48	34.67	35.06	Average	238	170	HORIZONTAL
3	5856.40	68.86	78.20	-9.34	62.75	6.50	34.67	35.06	Peak	238	170	HORIZONTAL
4	5860.00	67.20	68.20	-1.00	61.10	6.50	34.67	35.07	Peak	238	170	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.50	52.92	54.00	-1.08	47.75	6.13	34.04	35.00	Average	100	166	VERTICAL
2	5147.50	64.58	74.00	-9.42	59.41	6.13	34.04	35.00	Peak	100	166	VERTICAL
3	5193.33	98.45			93.17	6.16	34.12	35.00	Average	100	166	VERTICAL
4	5193.33	108.17			102.89	6.16	34.12	35.00	Peak	100	166	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5143.33	64.55	74.00	-9.45	59.38	6.13	34.04	35.00	Peak	250	173	HORIZONTAL
2	5144.17	51.65	54.00	-2.35	46.48	6.13	34.04	35.00	Average	250	173	HORIZONTAL
3	5225.83	105.43			100.08	6.18	34.17	35.00	Average	250	173	HORIZONTAL
4	5226.67	115.03			109.68	6.18	34.17	35.00	Peak	250	173	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5709.50	67.01	68.20	-1.19	60.96	6.44	34.64	35.03	Peak	250	169	HORIZONTAL
2	5719.00	68.81	78.20	-9.39	62.75	6.45	34.64	35.03	Peak	250	169	HORIZONTAL
3	5749.50	101.22			95.16	6.45	34.65	35.04	Average	250	169	HORIZONTAL
4	5750.00	111.13			105.07	6.45	34.65	35.04	Peak	250	169	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.50	60.39	68.20	-7.81	54.34	6.44	34.64	35.03	Peak	175	181	VERTICAL
2	5725.00	62.10	78.20	-16.10	56.04	6.45	34.64	35.03	Peak	175	181	VERTICAL
3	5787.00	101.17			95.09	6.47	34.66	35.05	Average	175	181	VERTICAL
4	5787.50	111.35			105.27	6.47	34.66	35.05	Peak	175	181	VERTICAL
5	5855.50	62.53	78.20	-15.67	56.42	6.50	34.67	35.06	Peak	175	181	VERTICAL
6	5860.50	62.35	68.20	-5.85	56.25	6.50	34.67	35.07	Peak	175	181	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.83	63.30	74.00	-10.70	58.13	6.13	34.04	35.00	Peak	250	173	HORIZONTAL
2	5145.83	52.76	54.00	-1.24	47.59	6.13	34.04	35.00	Average	250	173	HORIZONTAL
3	5225.00	104.10			98.75	6.18	34.17	35.00	Peak	250	173	HORIZONTAL
4	5225.83	93.28			87.93	6.18	34.17	35.00	Average	250	173	HORIZONTAL
5	5350.50	45.70	54.00	-8.30	40.08	6.26	34.36	35.00	Average	250	173	HORIZONTAL
6	5350.50	57.70	74.00	-16.30	52.08	6.26	34.36	35.00	Peak	250	173	HORIZONTAL

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

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.00	66.93	68.20	-1.27	60.88	6.44	34.64	35.03	Peak	250	167	HORIZONTAL
2	5725.00	62.33	78.20	-15.87	56.27	6.45	34.64	35.03	Peak	250	167	HORIZONTAL
3	5769.17	92.78			86.71	6.46	34.66	35.05	Average	250	167	HORIZONTAL
4	5790.00	103.07			96.99	6.47	34.66	35.05	Peak	250	167	HORIZONTAL
5	5850.00	60.97	78.20	-17.23	54.87	6.49	34.67	35.06	Peak	250	167	HORIZONTAL
6	5867.50	61.12	68.20	-7.08	55.02	6.50	34.67	35.07	Peak	250	167	HORIZONTAL

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

Note:

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

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015 ~ Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.60	62.10	74.00	-11.90	57.46	5.84	33.27	34.47	350	200	Peak	HORIZONTAL
2	5150.00	50.26	54.00	-3.74	45.62	5.84	33.27	34.47	350	200	Average	HORIZONTAL
3	5183.20	119.83			115.15	5.82	33.33	34.47	350	200	Peak	HORIZONTAL
4	5183.60	109.18			104.50	5.82	33.33	34.47	350	200	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.00	64.62	74.00	-9.38	59.98	5.84	33.27	34.47	342	198	Peak	VERTICAL
2	5150.00	52.32	54.00	-1.68	47.68	5.84	33.27	34.47	342	198	Average	VERTICAL
3	5194.80	123.46			118.76	5.81	33.36	34.47	342	198	Peak	VERTICAL
4	5194.80	113.58			108.88	5.81	33.36	34.47	342	198	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5136.20	49.66	54.00	-4.34	45.05	5.84	33.24	34.47	355	181	Average	VERTICAL
2	5144.00	62.76	74.00	-11.24	58.12	5.84	33.27	34.47	355	181	Peak	VERTICAL
3	5232.80	115.14			110.40	5.79	33.42	34.47	355	181	Average	VERTICAL
4	5234.00	125.64			120.90	5.79	33.42	34.47	355	181	Peak	VERTICAL
5	5355.20	61.38	74.00	-12.62	56.49	5.73	33.63	34.47	355	181	Peak	VERTICAL
6	5376.20	48.93	54.00	-5.07	44.01	5.73	33.66	34.47	355	181	Average	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5710.00	64.67	68.20	-3.53	58.88	5.78	34.52	34.51	355	174	Peak	HORIZONTAL
2	5725.00	77.12	78.20	-1.08	71.27	5.79	34.57	34.51	355	174	Peak	HORIZONTAL
3	5746.00	120.41			114.51	5.80	34.62	34.52	355	174	Peak	HORIZONTAL
4	5748.00	110.29			104.39	5.80	34.62	34.52	355	174	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5713.40	67.11	68.20	-1.09	61.32	5.78	34.52	34.51	355	185	Peak	HORIZONTAL
2	5723.80	71.60	78.20	-6.60	65.75	5.79	34.57	34.51	355	185	Peak	HORIZONTAL
3	5787.00	124.90			118.81	5.84	34.78	34.53	355	185	Peak	HORIZONTAL
4	5787.40	114.38			108.29	5.84	34.78	34.53	355	185	Average	HORIZONTAL
5	5855.00	65.22	78.20	-12.98	58.89	5.88	34.99	34.54	355	185	Peak	HORIZONTAL
6	5862.20	65.01	68.20	-3.19	58.68	5.88	34.99	34.54	355	185	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5818.20	110.81			104.66	5.85	34.83	34.53	351	184	Average	VERTICAL
2	5818.60	121.81			115.66	5.85	34.83	34.53	351	184	Peak	VERTICAL
3	5851.80	74.61	78.20	-3.59	68.35	5.87	34.93	34.54	351	184	Peak	VERTICAL
4	5860.00	66.84	68.20	-1.36	60.51	5.88	34.99	34.54	351	184	Peak	VERTICAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5150.00	65.02	74.00	-8.98	60.38	5.84	33.27	34.47	354	192	Peak	HORIZONTAL
2	5150.00	52.35	54.00	-1.65	47.71	5.84	33.27	34.47	354	192	Average	HORIZONTAL
3	5182.80	120.31			115.63	5.82	33.33	34.47	354	192	Peak	HORIZONTAL
4	5183.20	109.49			104.81	5.82	33.33	34.47	354	192	Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.20	66.43	74.00	-7.57	61.79	5.84	33.27	34.47	347	179	Peak	VERTICAL
2	5150.00	52.71	54.00	-1.29	48.07	5.84	33.27	34.47	347	179	Average	VERTICAL
3	5194.00	123.79			119.09	5.81	33.36	34.47	347	179	Peak	VERTICAL
4	5194.40	113.80			109.10	5.81	33.36	34.47	347	179	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5141.60	62.83	74.00	-11.17	58.19	5.84	33.27	34.47	357	178	Peak	HORIZONTAL
2	5147.00	50.05	54.00	-3.95	45.41	5.84	33.27	34.47	357	178	Average	HORIZONTAL
3	5242.40	124.91			120.15	5.78	33.45	34.47	357	178	Peak	HORIZONTAL
4	5243.00	114.66			109.90	5.78	33.45	34.47	357	178	Average	HORIZONTAL
5	5350.60	49.13	54.00	-4.87	44.24	5.73	33.63	34.47	357	178	Average	HORIZONTAL
6	5357.80	61.88	74.00	-12.12	56.99	5.73	33.63	34.47	357	178	Peak	HORIZONTAL

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

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5714.60	66.67	68.20	-1.53	60.88	5.78	34.52	34.51	350	180	Peak	VERTICAL
2	5725.00	76.96	78.20	-1.24	71.11	5.79	34.57	34.51	350	180	Peak	VERTICAL
3	5737.80	110.73			104.83	5.80	34.62	34.52	350	180	Average	VERTICAL
4	5738.60	121.66			115.76	5.80	34.62	34.52	350	180	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5710.20	66.92	68.20	-1.28	61.13	5.78	34.52	34.51	350	184	Peak	VERTICAL
2	5717.00	69.53	78.20	-8.67	63.74	5.78	34.52	34.51	350	184	Peak	VERTICAL
3	5777.80	114.01			107.98	5.83	34.73	34.53	350	184	Average	VERTICAL
4	5778.60	125.12			119.09	5.83	34.73	34.53	350	184	Peak	VERTICAL
5	5850.00	63.57	78.20	-14.63	57.31	5.87	34.93	34.54	350	184	Peak	VERTICAL
6	5872.20	65.58	68.20	-2.62	59.19	5.89	35.04	34.54	350	184	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5818.60	122.17			116.02	5.85	34.83	34.53	349	176	Peak	VERTICAL
2	5819.40	111.00			104.85	5.85	34.83	34.53	349	176	Average	VERTICAL
3	5850.00	75.24	78.20	-2.96	68.98	5.87	34.93	34.54	349	176	Peak	VERTICAL
4	5860.00	66.98	68.20	-1.22	60.65	5.88	34.99	34.54	349	176	Peak	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5150.00	65.61	74.00	-8.39	60.97	5.84	33.27	34.47	355	191	Peak	HORIZONTAL
2	5150.00	52.81	54.00	-1.19	48.17	5.84	33.27	34.47	355	191	Average	HORIZONTAL
3	5192.80	102.98			98.28	5.81	33.36	34.47	355	191	Average	HORIZONTAL
4	5193.20	113.34			108.64	5.81	33.36	34.47	355	191	Peak	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.60	65.10	74.00	-8.90	60.46	5.84	33.27	34.47	357	198	Peak	VERTICAL
2	5150.00	52.98	54.00	-1.02	48.34	5.84	33.27	34.47	357	198	Average	VERTICAL
3	5222.20	119.77			115.05	5.80	33.39	34.47	357	198	Peak	VERTICAL
4	5222.80	109.27			104.55	5.80	33.39	34.47	357	198	Average	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5715.00	67.09	68.20	-1.11	61.30	5.78	34.52	34.51	355	188	Peak	VERTICAL
2	5716.60	68.29	78.20	-9.91	62.50	5.78	34.52	34.51	355	188	Peak	VERTICAL
3	5747.40	113.34			107.44	5.80	34.62	34.52	355	188	Peak	VERTICAL
4	5748.20	102.42			96.52	5.80	34.62	34.52	355	188	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5711.00	62.99	68.20	-5.21	57.20	5.78	34.52	34.51	346	196	Peak	HORIZONTAL
2	5725.00	63.43	78.20	-14.77	57.58	5.79	34.57	34.51	346	196	Peak	HORIZONTAL
3	5798.60	118.28			112.19	5.84	34.78	34.53	346	196	Peak	HORIZONTAL
4	5799.40	108.21			102.12	5.84	34.78	34.53	346	196	Average	HORIZONTAL
5	5858.20	69.14	78.20	-9.06	62.81	5.88	34.99	34.54	346	196	Peak	HORIZONTAL
6	5860.00	67.19	68.20	-1.01	60.86	5.88	34.99	34.54	346	196	Peak	HORIZONTAL

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