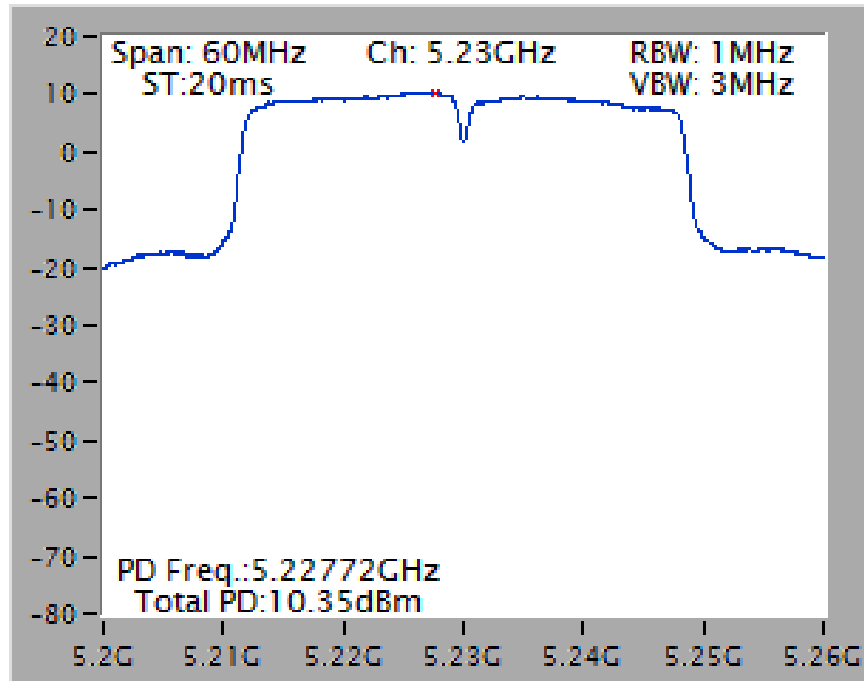
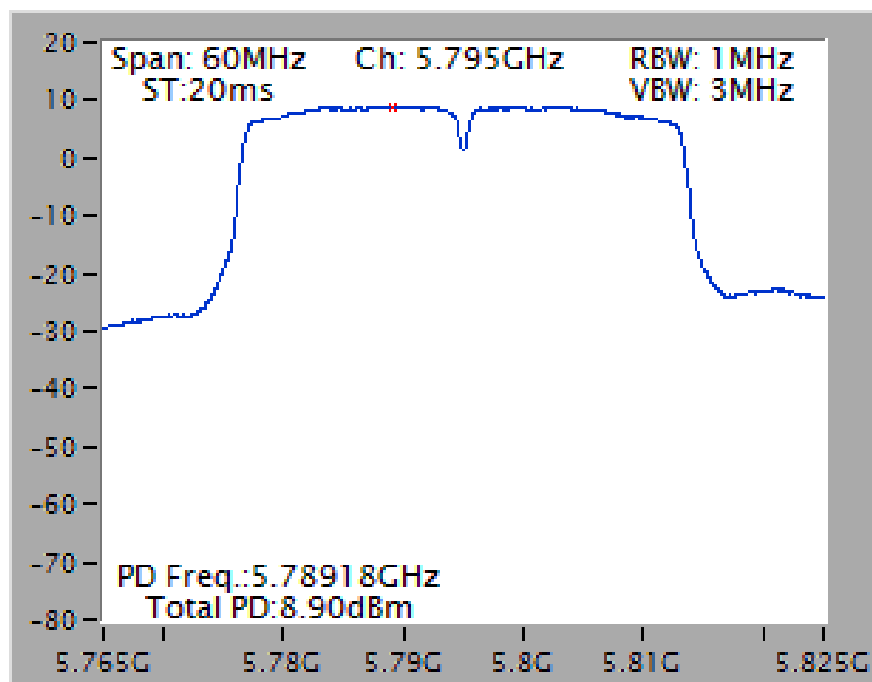


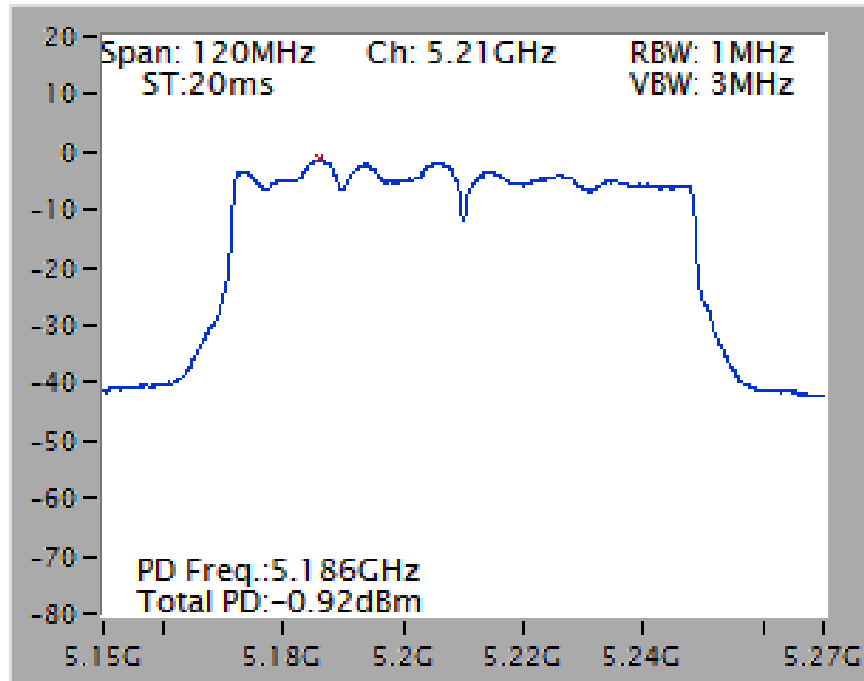
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



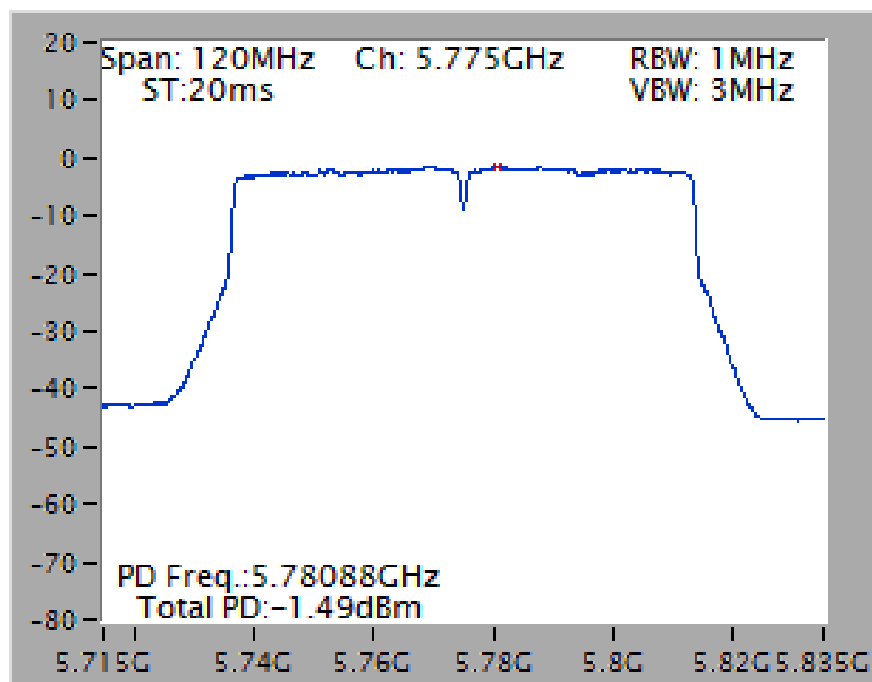
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



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

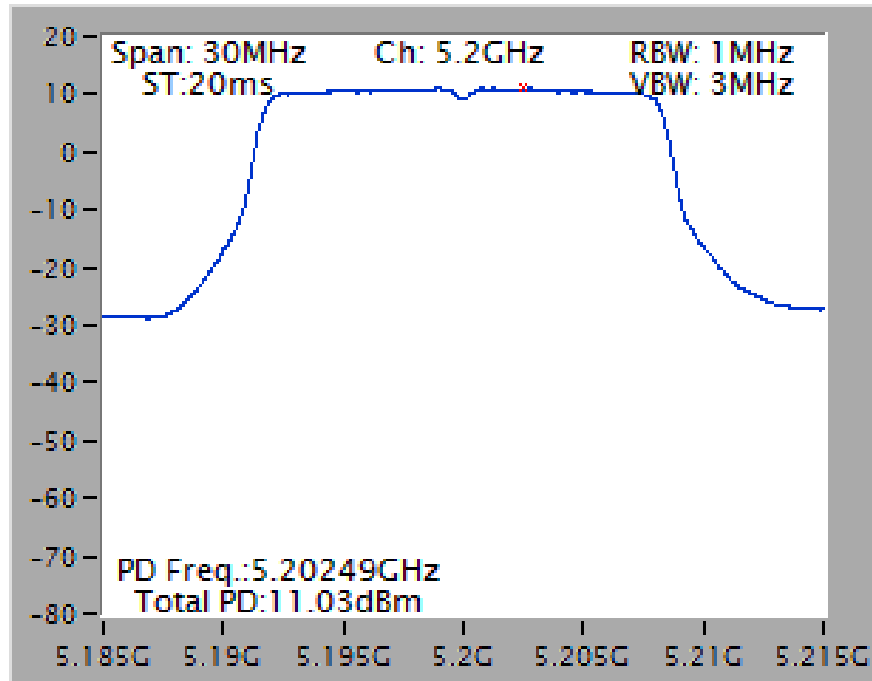


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

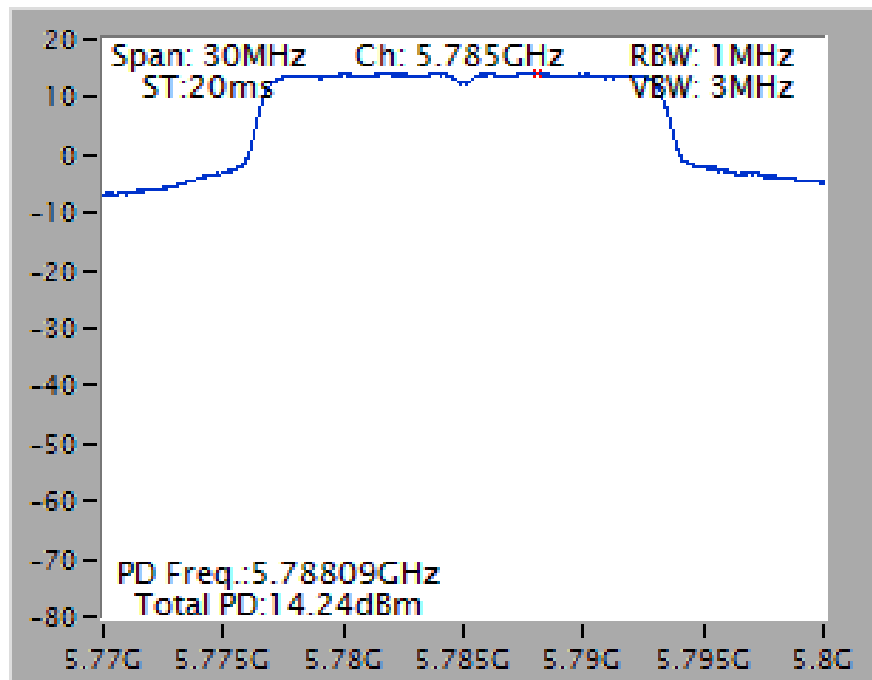


Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi

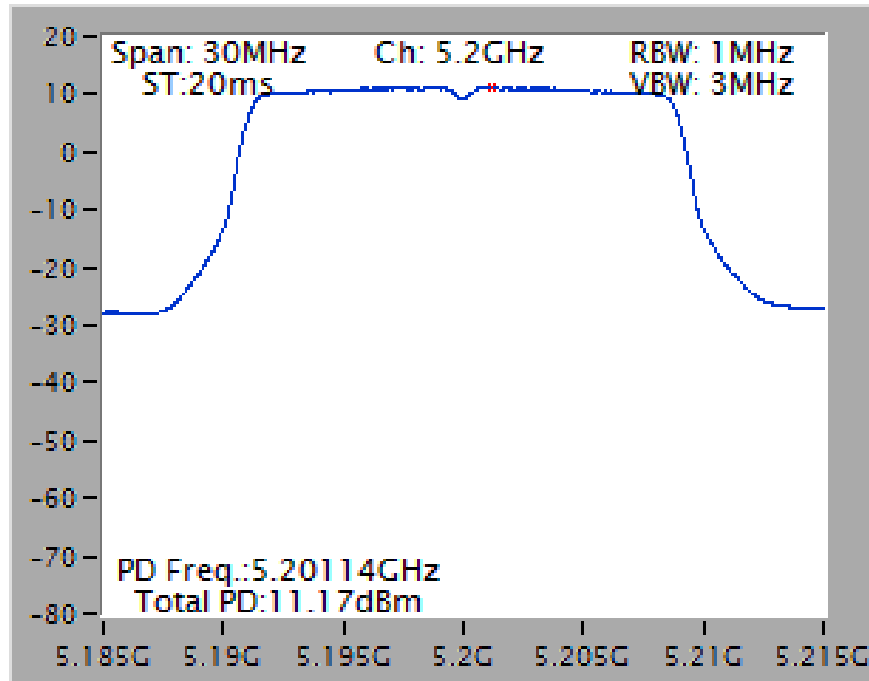
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



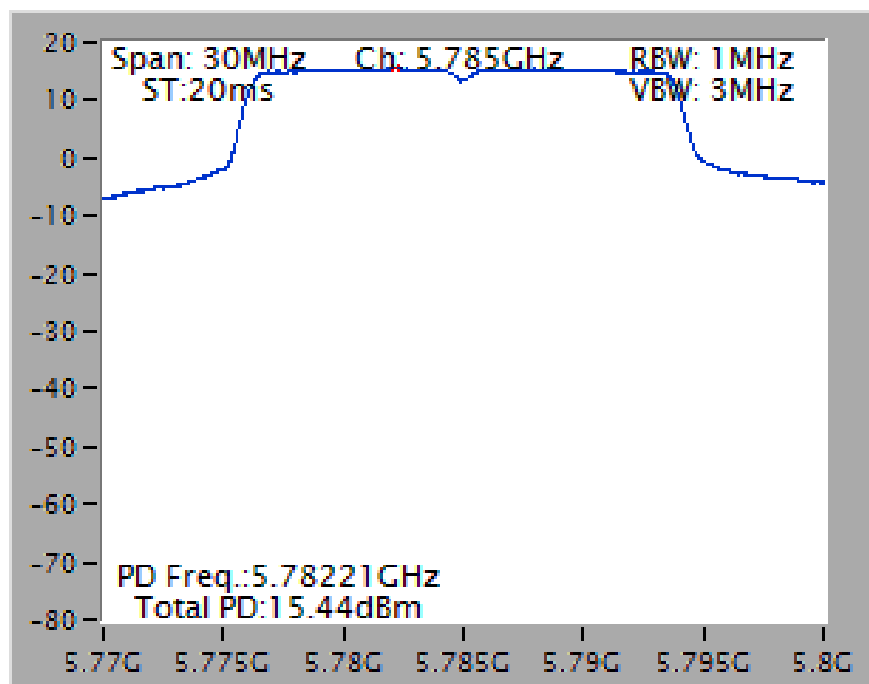
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



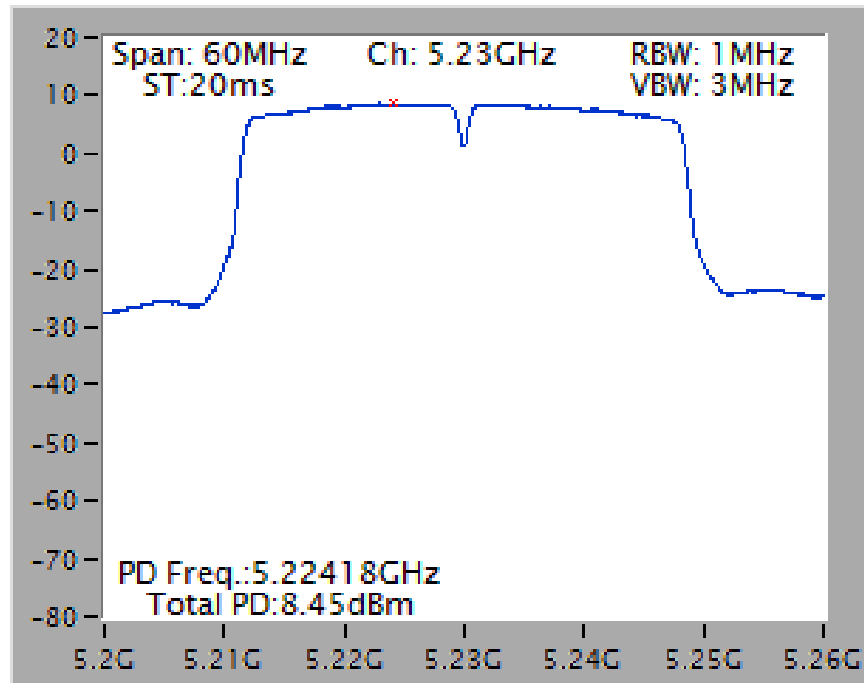
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



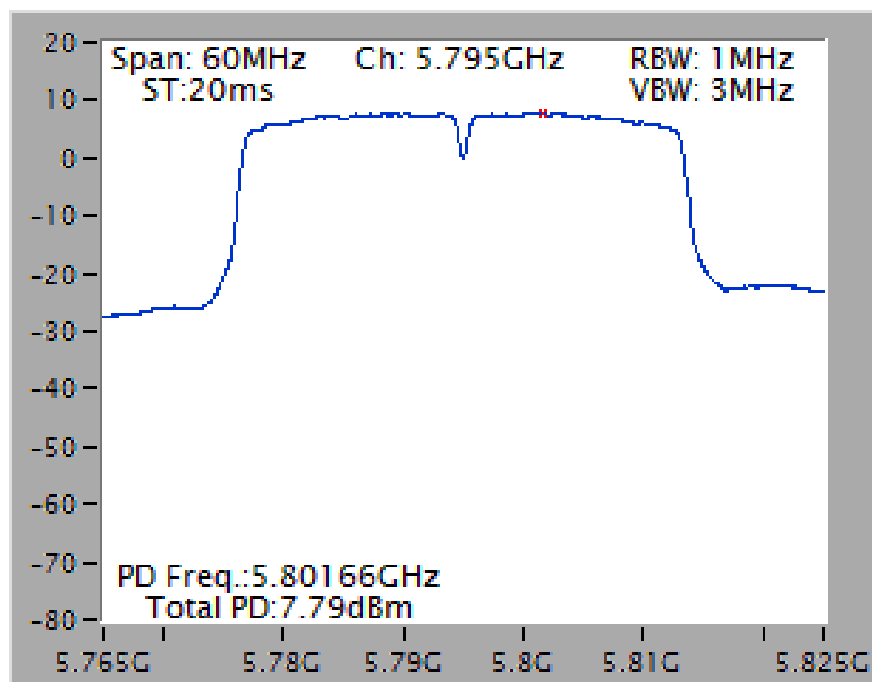
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



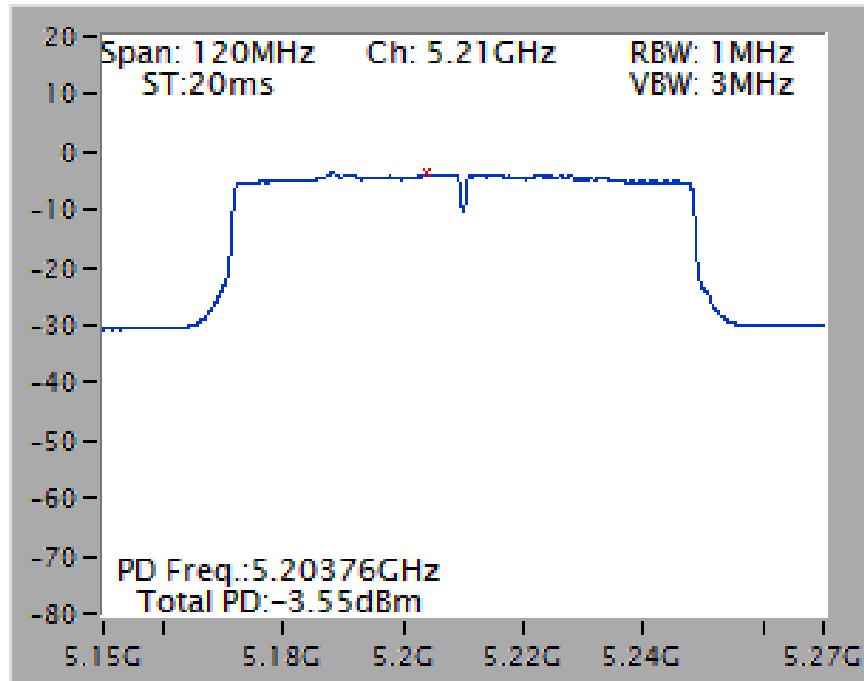
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



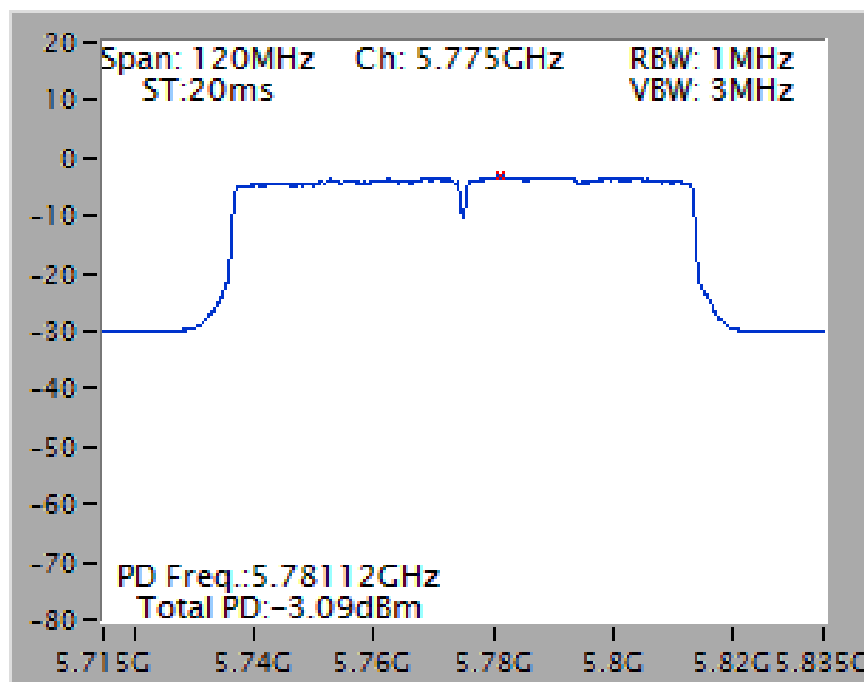
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



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)	1 MHz / 3MHz for Peak, 1 MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1 MHz / 3MHz for peak

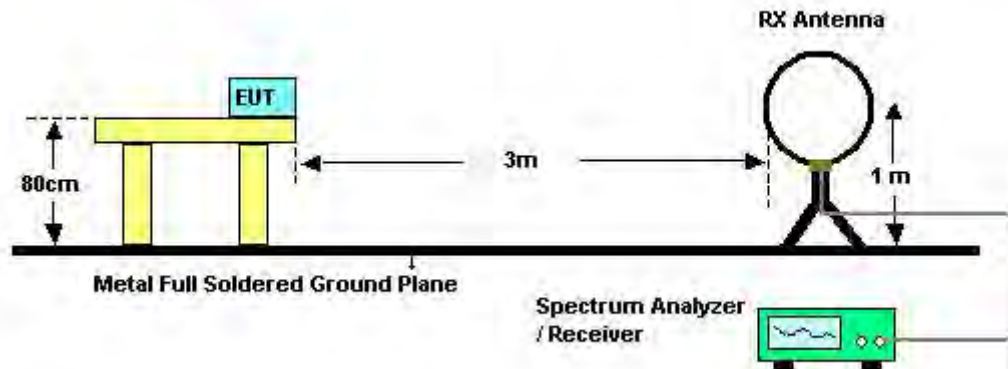
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

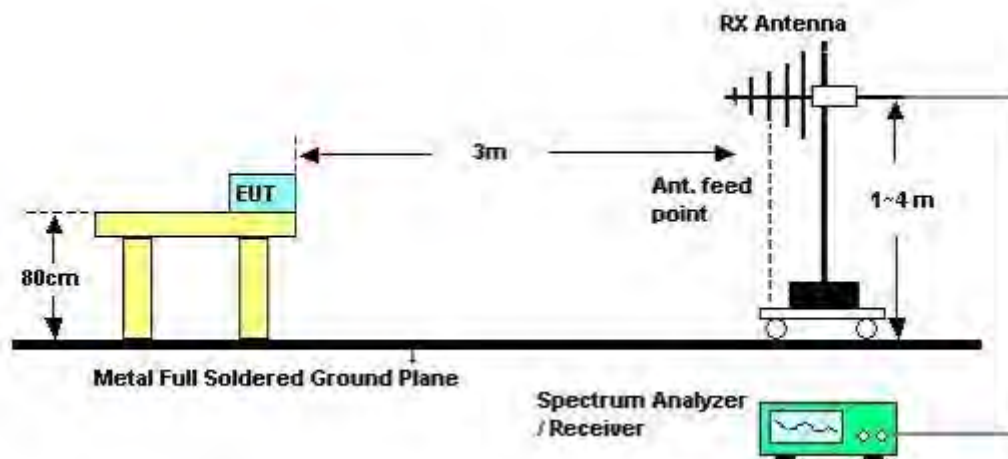
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting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

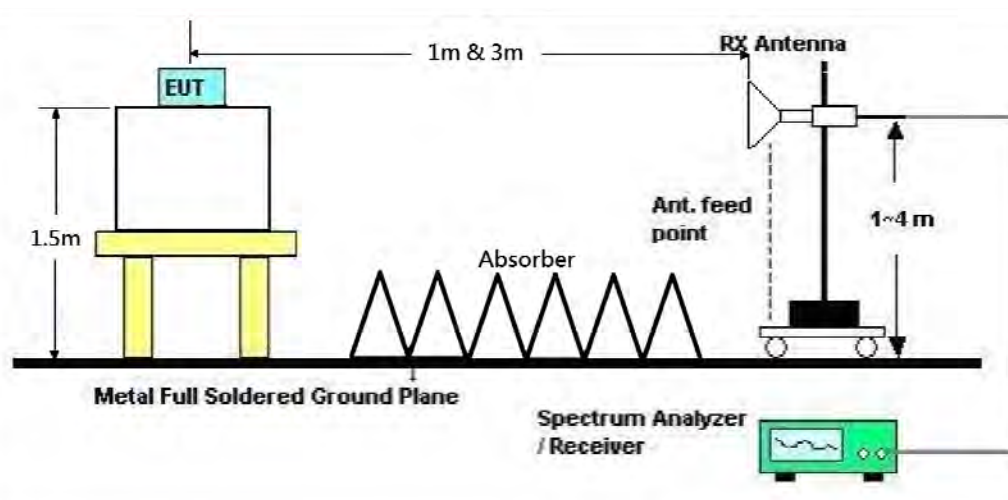
For Radiated Emissions: 9kHz ~30MHz



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.

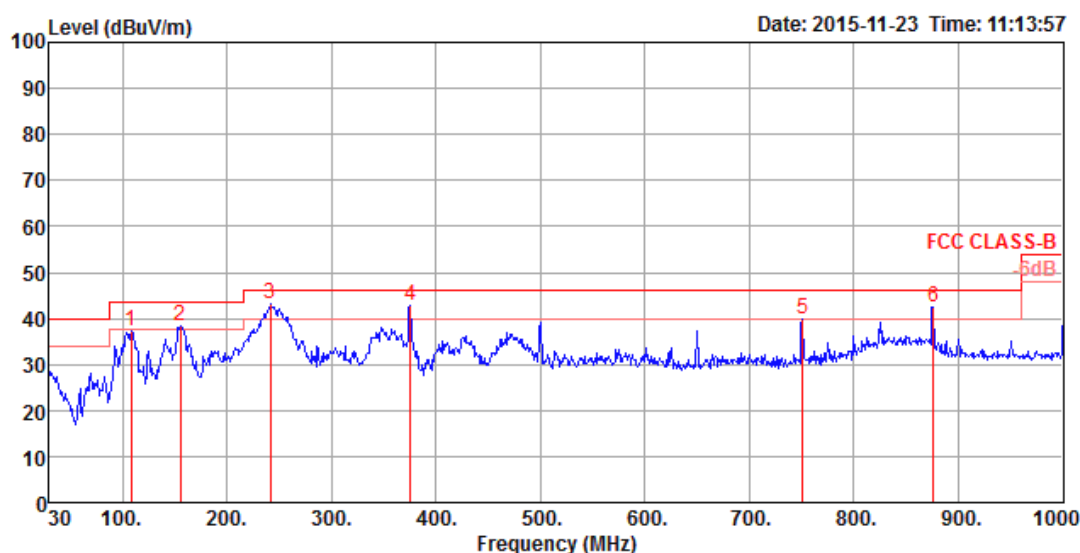
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

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

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

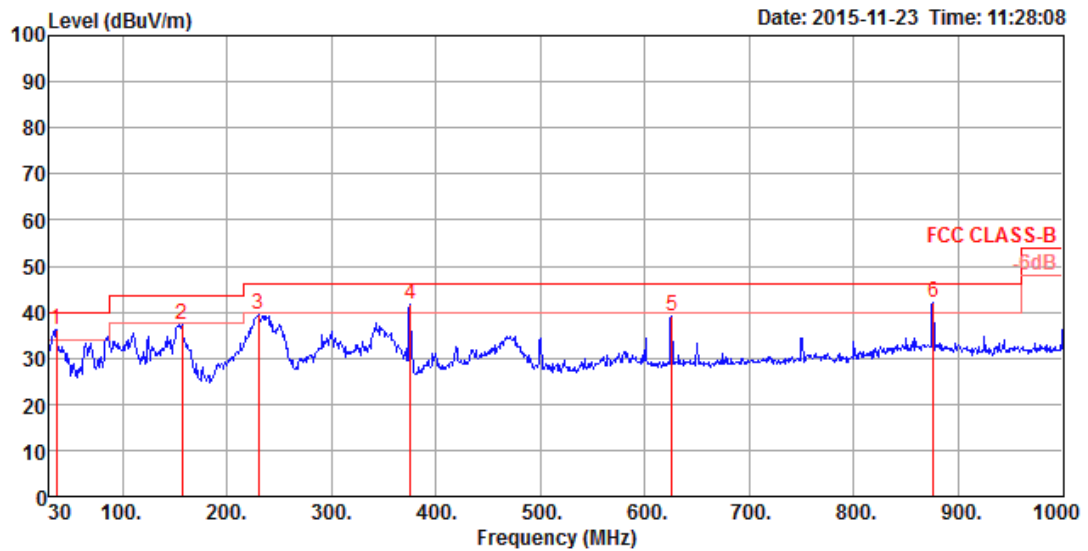
Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	Normal Link
Test Mode	Mode 2		

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preampl	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	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	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°C	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
			Line	Limit	Level	Loss	Factor	Factor	Remark		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°C	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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°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 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°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. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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°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. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	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	CableAntenna Loss	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°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 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 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	CableAntenna Loss	Preamp Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	Line	Line	Limit	Limit	Level	Loss	Factor	Factor	Remark		
	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
2	11510.43	54.18	74.00	-19.82	40.63	9.25	39.10	34.80	Peak	200	183

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. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

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

Vertical

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

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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°C	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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°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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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°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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	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°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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
											Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
											Pol/Phase
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°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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	165	274	HORIZONTAL
2	11513.81	54.81	74.00	-19.19	41.26	9.25	39.10	34.80	165	274	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	188	156	VERTICAL
2	11507.22	54.90	74.00	-19.10	41.35	9.25	39.10	34.80	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	Over	Read	CableAntenna	Preamp		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	144	299	HORIZONTAL
2	11592.68	55.47	74.00	-18.53	41.87	9.27	39.15	34.82	144	299	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	157	104	VERTICAL
2	11591.32	54.62	74.00	-19.38	41.02	9.27	39.15	34.82	157	104	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. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	Pol/Phase
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°C	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	Pol/Phase
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°C	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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°C	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	Over	Read	CableAntenna	Preamp		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	150	226	HORIZONTAL
2	15720.12	55.20	74.00	-18.80	41.70	10.79	37.99	35.28	150	226	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	150	136	VERTICAL
2	15720.35	55.20	74.00	-18.80	41.70	10.79	37.99	35.28	150	136	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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°C	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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°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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	150	141	HORIZONTAL
2	15539.75	55.36	74.00	-18.64	41.54	10.77	38.25	35.20	150	141	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	150	79	VERTICAL
2	15539.67	55.01	74.00	-18.99	41.19	10.77	38.25	35.20	150	79	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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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°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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

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

Vertical

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

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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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°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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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°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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss	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	CableAntenna Loss	Preamp Factor	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°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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

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

Vertical

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

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. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

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

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11549.61	53.75	74.00	-20.25	40.17	9.26	39.13	34.81	Peak	150	211
2	11550.44	41.08	54.00	-12.92	27.50	9.26	39.13	34.81	Average	150	211

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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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°C	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	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	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	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	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°C	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°C	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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°C	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°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. 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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°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. 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°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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	CableAntenna Loss	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	CableAntenna Loss	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°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 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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°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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°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. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

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

Vertical

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

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. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°C	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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°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. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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°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. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

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

Vertical

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

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. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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°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. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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°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. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

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

Vertical

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

Temperature	25°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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°C	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°C	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°C	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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°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. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	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	CableAntenna Loss	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°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. 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°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. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°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. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	CableAntenna Loss	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	CableAntenna Loss	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°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. 23, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	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°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. 27, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

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

Vertical

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

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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

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

Vertical

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

Temperature	25°C	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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°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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
			Line	Limit	Level	Loss	Factor	Factor	Remark		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°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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

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

Vertical

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

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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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°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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

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

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11549.58	41.37	54.00	-12.63	27.79	9.26	39.13	34.81	Average	150	268
2	11549.84	54.20	74.00	-19.80	40.62	9.26	39.13	34.81	Peak	150	268

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. 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	CableAntenna Loss 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	CableAntenna Loss 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°C	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	CableAntenna Loss 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	Line	Line	Limit	Level	Loss	Factor	Factor	Remark			
	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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°C	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	CableAntenna Loss 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	CableAntenna Loss 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°C	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	CableAntenna Loss 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	CableAntenna Loss 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°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. 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	CableAntenna Loss 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	CableAntenna Loss 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°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. 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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	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°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. 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	CableAntenna Loss	Antenna 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	CableAntenna Loss	Antenna 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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°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. 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	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°C	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	Over	Read	CableAntenna	Preamp		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	223	316	HORIZONTAL
2	11552.15	54.82	74.00	-19.18	41.24	9.26	39.13	34.81	223	316	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	231	288	VERTICAL
2	11549.62	41.76	54.00	-12.24	28.18	9.26	39.13	34.81	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)	1 MHz / 3MHz for Peak, 1 MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1 MHz / 3MHz for Peak

4.7.3. Test Procedures

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	Over	Read	CableAntenna	Preamp		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	143	141	VERTICAL
2	5150.00	52.52	54.00	-1.48	47.35	6.13	34.04	35.00	143	141	VERTICAL
3	5176.80	107.42			102.18	6.15	34.09	35.00	143	141	VERTICAL
4	5178.24	116.73			111.49	6.15	34.09	35.00	143	141	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	106	203	VERTICAL
2	5150.00	66.25	74.00	-7.75	61.08	6.13	34.04	35.00	106	203	VERTICAL
3	5192.95	112.52			107.24	6.16	34.12	35.00	106	203	VERTICAL
4	5193.27	122.37			117.09	6.16	34.12	35.00	106	203	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	100	208	VERTICAL
2	5139.52	57.99	74.00	-16.01	52.82	6.13	34.04	35.00	100	208	VERTICAL
3	5233.75	125.06			119.71	6.18	34.17	35.00	100	208	VERTICAL
4	5234.71	113.98			108.63	6.18	34.17	35.00	100	208	VERTICAL
5	5350.58	45.09	54.00	-8.91	39.47	6.26	34.36	35.00	100	208	VERTICAL
6	5360.67	56.99	74.00	-17.01	51.33	6.27	34.39	35.00	100	208	VERTICAL

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

Temperature	25°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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°C	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	Over	Read	CableAntenna	Preamp		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	201	138	VERTICAL
2	5150.00	52.69	54.00	-1.31	47.52	6.13	34.04	35.00	201	138	VERTICAL
3	5175.80	110.15			104.91	6.15	34.09	35.00	201	138	VERTICAL
4	5176.20	121.55			116.31	6.15	34.09	35.00	201	138	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	195	137	VERTICAL
2	5150.00	52.65	54.00	-1.35	47.48	6.13	34.04	35.00	195	137	VERTICAL
3	5195.60	113.14			107.86	6.16	34.12	35.00	195	137	VERTICAL
4	5196.40	123.99			118.71	6.16	34.12	35.00	195	137	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	197	132	VERTICAL
2	5140.40	46.97	54.00	-7.03	41.80	6.13	34.04	35.00	197	132	VERTICAL
3	5235.80	125.18			119.83	6.18	34.17	35.00	197	132	VERTICAL
4	5237.00	114.84			109.49	6.18	34.17	35.00	197	132	VERTICAL
5	5350.00	58.96	74.00	-15.04	53.34	6.26	34.36	35.00	197	132	VERTICAL
6	5376.80	46.76	54.00	-7.24	41.09	6.27	34.39	34.99	197	132	VERTICAL

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

Temperature	25°C	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	CableAntenna Loss 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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	CableAntenna	Preamp		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	190	137	VERTICAL
2	5149.20	52.73	54.00	-1.27	47.56	6.13	34.04	35.00	190	137	VERTICAL
3	5186.40	114.24			109.00	6.15	34.09	35.00	190	137	VERTICAL
4	5186.80	104.46			99.22	6.15	34.09	35.00	190	137	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	200	134	VERTICAL
2	5146.00	52.69	54.00	-1.31	47.52	6.13	34.04	35.00	200	134	VERTICAL
3	5226.40	110.78			105.43	6.18	34.17	35.00	200	134	VERTICAL
4	5226.40	119.64			114.29	6.18	34.17	35.00	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	CableAntenna Loss	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	CableAntenna Loss	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	CableAntenna Loss	Preamp Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	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	CableAntenna Loss	Preamp Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	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°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. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°C	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	Over	Read	CableAntenna	Preamp		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	120	5	VERTICAL
2	5150.00	52.61	54.00	-1.39	47.44	6.13	34.04	35.00	120	5	VERTICAL
3	5173.92	118.40			113.16	6.15	34.09	35.00	120	5	VERTICAL
4	5174.50	108.44			103.20	6.15	34.09	35.00	120	5	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	109	5	VERTICAL
2	5150.00	50.30	54.00	-3.70	45.13	6.13	34.04	35.00	109	5	VERTICAL
3	5193.92	120.51			115.23	6.16	34.12	35.00	109	5	VERTICAL
4	5194.79	110.05			104.77	6.16	34.12	35.00	109	5	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	105	0	VERTICAL
2	5139.71	47.20	54.00	-6.80	42.03	6.13	34.04	35.00	105	0	VERTICAL
3	5235.66	108.11			102.76	6.18	34.17	35.00	105	0	VERTICAL
4	5236.09	118.85			113.50	6.18	34.17	35.00	105	0	VERTICAL
5	5353.47	46.94	54.00	-7.06	41.32	6.26	34.36	35.00	105	0	VERTICAL
6	5369.54	59.79	74.00	-14.21	54.13	6.27	34.39	35.00	105	0	VERTICAL

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

Temperature	25°C	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	CableAntenna Loss	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	CableAntenna Loss	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	CableAntenna Loss	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	CableAntenna Loss	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	CableAntenna Loss	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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	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°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. 27, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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°C	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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°C	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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°C	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	Over	Read	CableAntenna	Preamp		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	212	334	HORIZONTAL
2	5721.28	76.81	78.20	-1.39	70.75	6.45	34.64	35.03	212	334	HORIZONTAL
3	5740.51	105.10			99.04	6.45	34.65	35.04	212	334	HORIZONTAL
4	5741.15	115.39			109.33	6.45	34.65	35.04	212	334	HORIZONTAL

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

Channel 157

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	229	336	HORIZONTAL
2	5721.70	65.30	78.20	-12.90	59.24	6.45	34.64	35.03	229	336	HORIZONTAL
3	5780.99	110.02			103.95	6.46	34.66	35.05	229	336	HORIZONTAL
4	5780.99	120.65			114.58	6.46	34.66	35.05	229	336	HORIZONTAL
5	5859.52	60.00	78.20	-18.20	53.90	6.50	34.67	35.07	229	336	HORIZONTAL
6	5861.12	59.51	68.20	-8.69	53.41	6.50	34.67	35.07	229	336	HORIZONTAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		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	211	349	HORIZONTAL
2	5818.91	117.27			111.19	6.48	34.66	35.06	211	349	HORIZONTAL
3	5858.01	68.84	78.20	-9.36	62.74	6.50	34.67	35.07	211	349	HORIZONTAL
4	5860.00	67.04	68.20	-1.16	60.94	6.50	34.67	35.07	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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°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 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°C	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°C	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°C	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°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. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 36

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

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	5143.33	64.55	74.00	-9.45	59.38	6.13	34.04	35.00	250	173	HORIZONTAL
2	5144.17	51.65	54.00	-2.35	46.48	6.13	34.04	35.00	250	173	HORIZONTAL
3	5225.83	105.43			100.08	6.18	34.17	35.00	250	173	HORIZONTAL
4	5226.67	115.03			109.68	6.18	34.17	35.00	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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		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	Over	Read	Cable	Antenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor		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°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. 21, 2015 ~ Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°C	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°C	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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°C	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	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	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	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	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	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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.